

DATA PACKAGE
SEMI-VOLATILE ORGANICS

PROJECT NAME : USACE018-44 DOD

FIRST ENVIRONMENT, INC.
10 Park Place, Bldg 1A, Suite 504

Butler, NJ - 07405
Phone No: 973-334-0003

ORDER ID : Q2814
ATTENTION : Al Smith



Laboratory Certification ID # 20012



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Order ID : Q2814

Project ID : USACE018-44 DOD

Client : First Environment, Inc.

Lab Sample Number

Q2814-01
Q2814-02
Q2814-03
Q2814-04
Q2814-05
Q2814-06
Q2814-07
Q2814-08
Q2814-09
Q2814-10
Q2814-11
Q2814-12
Q2814-13
Q2814-14
Q2814-15
Q2814-16
Q2814-17
Q2814-18
Q2814-19
Q2814-20
Q2814-21
Q2814-22
Q2814-23

Client Sample Number

TW-84SB-E
TW-17M-N
TW-17M-W
TW-82H-N
TW-82H-E
TW-82H-S
TW-82H-W
TW-38M-E
TW-38M-W
TW-38M-N
TW-38M-S
TW-BP-S
TW-BP-N
TW-BP-E
TW-BP-W
FB
TW-518R-S
TW-518R-N
TW-518R-E
TW-518R-W
TB
TW-84SB-E
TW-17M-W

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:29 pm, Aug 22, 2025

Date: 8/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2814

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

23 Water samples were received on 08/08/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_P using GC Column ZB-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis except for TW-BP-S, TW-BP-N, TW-BP-E, TW-BP-W, FB, TW-BP-S, TW-BP-N, TW-BP-E, TW-BP-W and FB, Extraction out of hold due to receive late.

The Surrogate recoveries met the acceptable criteria except for TW-82H-E [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 44%], TW-82H-ERE [2,4,6-Tribromophenol - 36%, 2-Fluorobiphenyl - 31%, Nitrobenzene-d5 - 35%, Terphenyl-d14 - 33%], TW-82H-S [Terphenyl-d14 - 48%], TW-518R-N [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 45%], TW-518R-NRE [2-Fluorobiphenyl - 43%, Failure sample for surrogate was reanalyzed to confirm the failure and both run were reported in Hard Copy, and Terphenyl-d14 - 43%], as per method one acid and one base surrogate allow to fail therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {PB169223BSD} with File ID: BF143501.D met criteria except for 3,3-Dichlorobenzidine[25%], 4-Chloroaniline[46%], due to difference in results of BS and BSD.

The Blank Spike for {PB169223BS} with File ID: BF143500.D met requirements for all samples except for 1,4-Dioxane[68%], The associate samples have no positive hit for this compound therefore no corrective action was taken.

The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF081225.M) for 2-Nitrophenol, Hexachlorocyclopentadiene, 2-Nitroaniline, 2,6-Dinitrotoluene, 4-Nitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylephenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexylephthalate), Di-n-octyl phthalate, These Compounds is passing on Linear Regression . 2,4-Dinitrophenol is passing on Quadratic Regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF082025.M) for Benzoic acid, Hexachlorocyclopentadiene, 2,4-Dinitrophenol these Compounds are passing on Linear regression.

The Continuous Calibration File ID BF143377.D met the requirements except for Bis(2-ethylhexyl)phthalate and Butylbenzylphthalate, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF143397.D met the requirements except for Bis(2-ethylhexyl)phthalate,. The associate samples have no positive hit for these compounds therefore no corrective action was taken

The Continuous Calibration File ID BF143539.D met the requirements except for Pentachlorophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken

The Continuous Calibration File ID BP025422.D met the requirements except for Benzaldehyde The associate compound are not required for the samples under the sequences, therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

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

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:34 pm, Aug 22, 2025

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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

ORDER ID: Q2814

MATRIX: Water

METHOD: 8270E/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.		✓	

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF081225.M) for 2-Nitrophenol, Hexachlorocyclopentadiene, 2-Nitroaniline, 2,6-Dinitrotoluene, 4-Nitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylephenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexylephthalate), Di-n-octyl phthalate. These Compounds is passing on Linear Regression . 2,4-Dinitrophenol is passing on Quadratic Regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF082025.M) for Benzoic acid, Hexachlorocyclopentadiene, 2,4-Dinitrophenol these Compounds are passing on Linear regression.

The Continuous Calibration File ID BF143377.D met the requirements except for Bis(2-ethylhexyl)phthalate and Butylbenzylphthalate, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF143397.D met the requirements except for Bis(2-ethylhexyl)phthalate, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF143539.D met the requirements except for Pentachlorophenol , The associate samples have no positive hit for this compound therefore no corrective action was taken.

The Continuous Calibration File ID BP025422.D met the requirements except for Benzaldehyde The associate compound are not required for the samples under the sequences, therefore no corrective action was taken.

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

		NA	NO	YES
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for TW-82H-E [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 44%], TW-82H-ERE [2,4,6-Tribromophenol - 36%, 2-Fluorobiphenyl - 31%, Nitrobenzene-d5 - 35%, Terphenyl-d14 - 33%], TW-82H-S [Terphenyl-d14 - 48%], TW-518R-N [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 45%], TW-518R-NRE [2-Fluorobiphenyl - 43%, Failure sample for surrogate was reanalyzed to confirm the failure and both run were reported in Hard Copy, and Terphenyl-d14 - 43%], as per method one acid and one base surrogate allow to fail therefore no corrective action taken.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike for {PB169223BS} with File ID: BF143500.D met requirements for all samples except for 1,4-Dioxane[68%], The associate samples have no positive hit for this compound therefore no corrective action was taken.			
	The Blank Spike Duplicate met requirements for all samples .The RPD for {PB169223BSD} with File ID: BF143501.D met criteria except for 3,3-Dichlorobenzidine[25%], 4-Chloroaniline[46%], due to difference in results of BS and BSD.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met		✓	
	If not met, list number of days exceeded for each sample:			

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

		NA	NO	YES
11.	Analysis Holding Time Met		✓	
	If not met, list number of days exceeded for each sample:			
	The Holding Times were met for all analysis except for TW-BP-S, TW-BP-N, TW-BP-E, TW-BP-W, FB, TW-BP-S, TW-BP-N, TW-BP-E, TW-BP-W and FB, Extraction out of hold due to receive late.			

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW



APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2814

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SSOHHIL JODHANI

Date: 08/22/2025

LAB CHRONICLE

OrderID:	Q2814	OrderDate:	8/11/2025 10:31:02 AM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2814-01	TW-84SB-E	Water	SVOC-TCL BNA -20	8270E	08/05/25	08/12/25	08/14/25	08/08/25
Q2814-02	TW-17M-N	Water	SVOC-TCL BNA -20	8270E	08/05/25	08/12/25	08/14/25	08/08/25
Q2814-03	TW-17M-W	Water	SVOC-TCL BNA -20	8270E	08/05/25	08/12/25	08/14/25	08/08/25
Q2814-04	TW-82H-N	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/14/25	08/08/25
Q2814-05	TW-82H-E	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/14/25	08/08/25
Q2814-05RE	TW-82H-ERE	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/15/25	08/08/25
Q2814-06	TW-82H-S	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/14/25	08/08/25
Q2814-07	TW-82H-W	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/21/25	08/08/25
Q2814-08	TW-38M-E	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/14/25	08/08/25
Q2814-09	TW-38M-W	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/14/25	08/08/25
Q2814-10	TW-38M-N	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/14/25	08/08/25
Q2814-11	TW-38M-S	Water			08/06/25			08/08/25

LAB CHRONICLE

			SVOC-TCL BNA -20	8270E		08/12/25	08/14/25	
Q2814-12	TW-BP-S	Water			08/04/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/14/25	
Q2814-13	TW-BP-N	Water			08/04/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/14/25	
Q2814-14	TW-BP-E	Water			08/04/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/14/25	
Q2814-15	TW-BP-W	Water			08/04/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/14/25	
Q2814-16	FB	Water			08/04/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/14/25	
Q2814-17	TW-518R-S	Water			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/15/25	
Q2814-18	TW-518R-N	Water			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/15/25	
Q2814-18RE	TW-518R-NRE	Water			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/21/25	
Q2814-19	TW-518R-E	Water			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/21/25	
Q2814-20	TW-518R-W	Water			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/15/25	

Hit Summary Sheet SW-846

SDG No.: Q2814
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TW-84SB-E									
Q2814-01	TW-84SB-E	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.300	AB	0	0	ug/L
Q2814-01	TW-84SB-E	WATER	Benzophenone	*	2.700	J	0	0	ug/L
Q2814-01	TW-84SB-E	WATER	Butane, 2-methoxy-2-methyl-	*	110.000	JB	0	0	ug/L
Total Tics :					121.00				
Total Concentration:					121.00				
Client ID : TW-17M-N									
Q2814-02	TW-17M-N	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.900	AB	0	0	ug/L
Q2814-02	TW-17M-N	WATER	Benzophenone	*	6.800	J	0	0	ug/L
Q2814-02	TW-17M-N	WATER	Butane, 2-methoxy-2-methyl-	*	100.000	JB	0	0	ug/L
Q2814-02	TW-17M-N	WATER	Heptadecyl heptafluorobutyrate	*	4.000	J	0	0	ug/L
Q2814-02	TW-17M-N	WATER	n-Hexadecanoic acid	*	5.000	J	0	0	ug/L
Total Tics :					123.70				
Total Concentration:					123.70				
Client ID : TW-17M-W									
Q2814-03	TW-17M-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.500	AB	0	0	ug/L
Q2814-03	TW-17M-W	WATER	Benzophenone	*	6.500	J	0	0	ug/L
Q2814-03	TW-17M-W	WATER	Butane, 2-methoxy-2-methyl-	*	99.800	JB	0	0	ug/L
Q2814-03	TW-17M-W	WATER	Heptadecyl heptafluorobutyrate	*	4.300	J	0	0	ug/L
Q2814-03	TW-17M-W	WATER	n-Hexadecanoic acid	*	5.400	J	0	0	ug/L
Total Tics :					124.50				
Total Concentration:					124.50				
Client ID : TW-82H-N									
Q2814-04	TW-82H-N	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	12.000	AB	0	0	ug/L
Q2814-04	TW-82H-N	WATER	Benzophenone	*	5.700	J	0	0	ug/L
Q2814-04	TW-82H-N	WATER	Butane, 2-methoxy-2-methyl-	*	100.000	JB	0	0	ug/L
Q2814-04	TW-82H-N	WATER	Heptadecyl heptafluorobutyrate	*	3.700	J	0	0	ug/L
Q2814-04	TW-82H-N	WATER	n-Hexadecanoic acid	*	7.200	J	0	0	ug/L
Total Tics :					128.60				
Total Concentration:					128.60				
Client ID : TW-82H-E									
Q2814-05	TW-82H-E	WATER	1-Decanol, 2-hexyl-	*	4.200	J	0	0	ug/L
Q2814-05	TW-82H-E	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.700	AB	0	0	ug/L
Q2814-05	TW-82H-E	WATER	Benzophenone	*	9.000	J	0	0	ug/L
Q2814-05	TW-82H-E	WATER	Butane, 2-methoxy-2-methyl-	*	83.300	JB	0	0	ug/L
Q2814-05	TW-82H-E	WATER	n-Hexadecanoic acid	*	4.800	J	0	0	ug/L
Total Tics :					109.00				

Hit Summary Sheet SW-846

SDG No.: Q2814
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	109.00					
Client ID :	TW-82H-S								
Q2814-06	TW-82H-S	WATER	2-Pentanone, 4-hydroxy-4-methyl *	7.100	AB	0		0	ug/L
Q2814-06	TW-82H-S	WATER	Benzophenone *	9.600	J	0		0	ug/L
Q2814-06	TW-82H-S	WATER	Butane, 2-methoxy-2-methyl- *	90.900	JB	0		0	ug/L
Q2814-06	TW-82H-S	WATER	Carbonic acid, eicosyl vinyl ester *	5.600	J	0		0	ug/L
Q2814-06	TW-82H-S	WATER	Hentriacontane *	2.400	J	0		0	ug/L
Q2814-06	TW-82H-S	WATER	n-Hexadecanoic acid *	6.400	J	0		0	ug/L
Q2814-06	TW-82H-S	WATER	unknown8.328 *	4.600	J	0		0	ug/L
			Total Tics :	126.60					
			Total Concentration:	126.60					
Client ID :	TW-82H-W								
Q2814-07	TW-82H-W	WATER	2-Pentanone, 4-hydroxy-4-methyl *	7.800	AB	0		0	ug/L
Q2814-07	TW-82H-W	WATER	3-Ethoxy-4-hydroxyphenylacetoni *	2.900	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	4-(7-Methyloctyl)phenol *	6.300	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	5-(4-Trifluormethylsulfonylpheny *	4.900	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	Acetamide, N-(3-methylphenyl)- *	6.400	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	Benzophenone *	8.900	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	Butane, 2-methoxy-2-methyl- *	80.600	JB	0		0	ug/L
Q2814-07	TW-82H-W	WATER	Cholesterol *	7.600	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	Heptadecyl heptafluorobutyrate *	3.600	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	Ibuprofen *	5.100	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	Morpholine, 2,6-dimethyl- *	7.700	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	n-Hexadecanoic acid *	7.700	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	Pentanoic acid, 5-hydroxy-, p-t-bu *	3.600	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	Phenol, 2-(1,1,3,3-tetramethylbuty *	6.500	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	unknown10.886 *	4.200	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	unknown11.116 *	3.800	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	unknown14.251 *	3.100	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	unknown14.551 *	2.900	J	0		0	ug/L
Q2814-07	TW-82H-W	WATER	unknown16.386 *	5.500	J	0		0	ug/L
			Total Tics :	179.10					
			Total Concentration:	179.10					
Client ID :	TW-38M-E								
Q2814-08	TW-38M-E	WATER	2-Pentanone, 4-hydroxy-4-methyl *	7.500	AB	0		0	ug/L
Q2814-08	TW-38M-E	WATER	Benzophenone *	6.000	J	0		0	ug/L
Q2814-08	TW-38M-E	WATER	Butane, 2-methoxy-2-methyl- *	100.000	JB	0		0	ug/L
			Total Tics :	113.50					

Hit Summary Sheet SW-846

SDG No.: Q2814
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units	
			Total Concentration:	113.50						
Client ID :	TW-38M-W									
Q2814-09	TW-38M-W	WATER	1-Dodecanol, 2-hexyl-	*	4.200	J	0	0	ug/L	
Q2814-09	TW-38M-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	6.900	AB	0	0	ug/L	
Q2814-09	TW-38M-W	WATER	Benzophenone	*	9.900	J	0	0	ug/L	
Q2814-09	TW-38M-W	WATER	Butane, 2-methoxy-2-methyl-	*	80.600	JB	0	0	ug/L	
Q2814-09	TW-38M-W	WATER	n-Hexadecanoic acid	*	4.100	J	0	0	ug/L	
			Total Tics :	105.70						
			Total Concentration:	105.70						
Client ID :	TW-38M-N									
Q2814-10	TW-38M-N	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	9.700	AB	0	0	ug/L	
Q2814-10	TW-38M-N	WATER	Benzophenone	*	9.300	J	0	0	ug/L	
Q2814-10	TW-38M-N	WATER	Butane, 2-methoxy-2-methyl-	*	93.000	JB	0	0	ug/L	
Q2814-10	TW-38M-N	WATER	Hexatriacontyl pentafluoropropior	*	4.400	J	0	0	ug/L	
Q2814-10	TW-38M-N	WATER	n-Hexadecanoic acid	*	5.300	J	0	0	ug/L	
			Total Tics :	121.70						
			Total Concentration:	121.70						
Client ID :	TW-38M-S									
Q2814-11	TW-38M-S	WATER	Bis(2-ethylhexyl)phthalate		4.900	J	1.6	4	5	ug/L
			Total Svoc :	4.90						
Q2814-11	TW-38M-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	9.500	AB	0	0	ug/L	
Q2814-11	TW-38M-S	WATER	Benzophenone	*	6.700	J	0	0	ug/L	
Q2814-11	TW-38M-S	WATER	Butane, 2-methoxy-2-methyl-	*	100.000	JB	0	0	ug/L	
Q2814-11	TW-38M-S	WATER	n-Hexadecanoic acid	*	2.800	J	0	0	ug/L	
Q2814-11	TW-38M-S	WATER	Tricyclo[5.2.1.0(2,6)]dec-3-en-10-	*	2.800	J	0	0	ug/L	
Q2814-11	TW-38M-S	WATER	unknown8.328	*	2.300	J	0	0	ug/L	
			Total Tics :	124.10						
			Total Concentration:	129.00						
Client ID :	TW-BP-S									
Q2814-12	TW-BP-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	9.800	AB	0	0	ug/L	
Q2814-12	TW-BP-S	WATER	Benzophenone	*	12.400	J	0	0	ug/L	
Q2814-12	TW-BP-S	WATER	Butane, 2-methoxy-2-methyl-	*	79.800	JB	0	0	ug/L	
Q2814-12	TW-BP-S	WATER	n-Hexadecanoic acid	*	8.700	J	0	0	ug/L	
Q2814-12	TW-BP-S	WATER	Pentadecafluorooctanoic acid, octi	*	5.700	J	0	0	ug/L	
			Total Tics :	116.40						
			Total Concentration:	116.40						
Client ID :	TW-BP-N									
Q2814-13	TW-BP-N	WATER	1-Octadecanol	*	2.200	J	0	0	ug/L	

Hit Summary Sheet SW-846

SDG No.: Q2814
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2814-13	TW-BP-N	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.600	AB	0	0	ug/L
Q2814-13	TW-BP-N	WATER	Benzophenone	*	6.900	J	0	0	ug/L
Q2814-13	TW-BP-N	WATER	Butane, 2-methoxy-2-methyl-	*	100.000	JB	0	0	ug/L
Q2814-13	TW-BP-N	WATER	Diethyltoluamide	*	6.300	J	0	0	ug/L
Q2814-13	TW-BP-N	WATER	n-Hexadecanoic acid	*	2.200	J	0	0	ug/L
Total Tics :					125.20				
Total Concentration:					125.20				
Client ID : TW-BP-E									
Q2814-14	TW-BP-E	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	6.700	AB	0	0	ug/L
Q2814-14	TW-BP-E	WATER	Benzophenone	*	3.500	J	0	0	ug/L
Q2814-14	TW-BP-E	WATER	Butane, 2-methoxy-2-methyl-	*	110.000	JB	0	0	ug/L
Q2814-14	TW-BP-E	WATER	n-Hexadecanoic acid	*	2.800	J	0	0	ug/L
Total Tics :					123.00				
Total Concentration:					123.00				
Client ID : TW-BP-W									
Q2814-15	TW-BP-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.100	AB	0	0	ug/L
Q2814-15	TW-BP-W	WATER	Benzophenone	*	5.900	J	0	0	ug/L
Q2814-15	TW-BP-W	WATER	Butane, 2-methoxy-2-methyl-	*	98.200	JB	0	0	ug/L
Q2814-15	TW-BP-W	WATER	Eicosane	*	3.500	J	0	0	ug/L
Q2814-15	TW-BP-W	WATER	n-Hexadecanoic acid	*	3.500	J	0	0	ug/L
Total Tics :					118.20				
Total Concentration:					118.20				
Client ID : FB									
Q2814-16	FB	WATER	1-(1-tert-Butoxypropan-2-yloxy)p	*	2.800	J	0	0	ug/L
Q2814-16	FB	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	9.800	AB	0	0	ug/L
Q2814-16	FB	WATER	2-Propanol, 1-(2-butoxy-1-methyl	*	5.500	J	0	0	ug/L
Q2814-16	FB	WATER	Butane, 2-methoxy-2-methyl-	*	96.900	JB	0	0	ug/L
Q2814-16	FB	WATER	Hexanoic acid, 2-ethyl-	*	21.400	J	0	0	ug/L
Q2814-16	FB	WATER	unknown15.680	*	4.700	J	0	0	ug/L
Q2814-16	FB	WATER	unknown8.581	*	4.700	J	0	0	ug/L
Total Tics :					145.80				
Total Concentration:					145.80				
Client ID : TW-518R-S									
Q2814-17	TW-518R-S	WATER	Bis(2-ethylhexyl)phthalate		6.300		1.6	4	5.1 ug/L
Total Svoc :					6.30				
Q2814-17	TW-518R-S	WATER	1-(4-Pyridinyl)piperazine	*	5.800	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	5.800	AB	0	0	ug/L
Q2814-17	TW-518R-S	WATER	4-(1,1-Dimethylheptyl)phenol	*	8.400	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER	4-(7-Methyloctyl)phenol	*	8.900	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q2814
Client: First Environment, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2814-17	TW-518R-S	WATER 5H-Pyrrolo(3,2-d)pyrimidine-2,4-	*	14.000	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER 6-Amino-1-methylpurine	*	5.100	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER Acetamide, N-(2,5-dimethylpheny	*	4.900	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER Acetamide, N-(3-methylphenyl)-	*	3.200	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER Benzophenone	*	7.100	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER Butane, 2-methoxy-2-methyl-	*	73.300	JB	0	0	ug/L
Q2814-17	TW-518R-S	WATER Dimantine	*	5.500	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER Ethanol, 2-(tetradecyloxy)-	*	6.500	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER Hexacosane	*	2.500	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER n-Hexadecanoic acid	*	10.600	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER Octadecanoic acid	*	5.200	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER Phenol, 4-(1,1,3,3-tetramethylbuty	*	8.200	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER Supraene	*	2.400	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER unknown16.331	*	13.600	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER unknown16.436	*	7.600	J	0	0	ug/L
Q2814-17	TW-518R-S	WATER unknown16.483	*	5.700	J	0	0	ug/L
Total Tics :				204.30				
Total Concentration:				210.60				

Client ID : TW-518R-N

Q2814-18	TW-518R-N	WATER 10,18-Bisnorabieta-8,11,13-triene	*	2.400	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER 1-Docosene	*	12.600	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER 2-Pentanone, 4-hydroxy-4-methyl	*	7.000	AB	0	0	ug/L
Q2814-18	TW-518R-N	WATER 9,12-Octadecadienoic acid (Z,Z)-	*	2.100	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER 9-Octadecenoic acid	*	2.200	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER Benzophenone	*	15.600	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER Butane, 2-methoxy-2-methyl-	*	82.500	JB	0	0	ug/L
Q2814-18	TW-518R-N	WATER Eicosane	*	2.200	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER Heneicosane	*	4.400	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER Methanone, (1-hydroxycyclohexy	*	2.500	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER n-Hexadecanoic acid	*	14.400	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER Nonadecane	*	2.700	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER Octadecanoic acid	*	5.100	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER Squalene	*	3.800	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER Tetracosane	*	3.500	J	0	0	ug/L
Q2814-18	TW-518R-N	WATER unknown10.049	*	3.200	J	0	0	ug/L
Total Tics :				166.20				
Total Concentration:				166.20				

Client ID : TW-518R-E

Q2814-19	TW-518R-E	WATER 2-Pentanone, 4-hydroxy-4-methyl	*	7.700	AB	0	0	ug/L
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Hit Summary Sheet SW-846

SDG No.: Q2814
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2814-19	TW-518R-E	WATER	Benzophenone	*	9.000	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Butane, 2-methoxy-2-methyl-	*	95.700	JB	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Eicosane	*	2.100	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Ethanol, 2-(2-butoxyethoxy)-	*	2.800	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Heneicosane	*	2.300	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Hentriacontane	*	2.300	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Hexadecanoic acid, 2-methylpropyl	*	2.300	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Hexadecanoic acid, butyl ester	*	5.000	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Methanone, (1-hydroxycyclohexyl)	*	2.100	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	n-Hexadecanoic acid	*	6.100	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Octadecanoic acid, butyl ester	*	3.200	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Pentacosane	*	2.600	J	0	0	ug/L
Q2814-19	TW-518R-E	WATER	Tetratetracontane	*	2.900	J	0	0	ug/L
Total Tics :					146.10				
Total Concentration:					146.10				
Client ID : TW-518R-W									
Q2814-20	TW-518R-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.300	AB	0	0	ug/L
Q2814-20	TW-518R-W	WATER	3-Eicosene, (E)-	*	3.000	J	0	0	ug/L
Q2814-20	TW-518R-W	WATER	Benzophenone	*	7.300	J	0	0	ug/L
Q2814-20	TW-518R-W	WATER	Butane, 2-methoxy-2-methyl-	*	76.300	JB	0	0	ug/L
Q2814-20	TW-518R-W	WATER	Diethyltoluamide	*	2.100	J	0	0	ug/L
Q2814-20	TW-518R-W	WATER	n-Hexadecanoic acid	*	5.200	J	0	0	ug/L
Total Tics :					102.20				
Total Concentration:					102.20				



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2814

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169223BL	PB169223BL	2-Fluorophenol	150	122	81		19	119
		Phenol-d6	150	120	80		10	130
		Nitrobenzene-d5	100	93.4	93		44	120
		2-Fluorobiphenyl	100	84.7	85		44	119
		2,4,6-Tribromophenol	150	159	106		43	140
PB169223BS	PB169223BS	Terphenyl-d14	100	90.2	90		50	134
		2-Fluorophenol	150	112	75		19	119
		Phenol-d6	150	114	76		10	130
		Nitrobenzene-d5	100	84.1	84		44	120
		2-Fluorobiphenyl	100	82.9	83		44	119
PB169223BSD	PB169223BSD	2,4,6-Tribromophenol	150	128	85		43	140
		Terphenyl-d14	100	91.9	92		50	134
		2-Fluorophenol	150	127	85		19	119
		Phenol-d6	150	127	85		10	130
		Nitrobenzene-d5	100	91.3	91		44	120
Q2814-01	TW-84SB-E	2-Fluorobiphenyl	100	87.9	88		44	119
		2,4,6-Tribromophenol	150	133	89		43	140
		Terphenyl-d14	100	96.1	96		50	134
		2-Fluorophenol	150	85.9	57		19	119
		Phenol-d6	150	63.4	42		10	130
Q2814-02	TW-17M-N	Nitrobenzene-d5	100	118	118		44	120
		2-Fluorobiphenyl	100	103	103		44	119
		2,4,6-Tribromophenol	150	203	135		43	140
		Terphenyl-d14	100	112	112		50	134
		2-Fluorophenol	150	61.0	41		19	119
Q2814-03	TW-17M-W	Phenol-d6	150	42.6	28		10	130
		Nitrobenzene-d5	100	105	105		44	120
		2-Fluorobiphenyl	100	92.4	92		44	119
		2,4,6-Tribromophenol	150	147	98		43	140
		Terphenyl-d14	100	98.9	99		50	134
Q2814-04	TW-82H-N	2-Fluorophenol	150	89.0	59		19	119
		Phenol-d6	150	68.5	46		10	130
		Nitrobenzene-d5	100	115	115		44	120
		2-Fluorobiphenyl	100	100	100		44	119
		2,4,6-Tribromophenol	150	194	129		43	140
Q2814-05	TW-82H-E	Terphenyl-d14	100	110	110		50	134
		2-Fluorophenol	150	76.7	51		19	119
		Phenol-d6	150	60.5	40		10	130
		Nitrobenzene-d5	100	89.1	89		44	120
		2-Fluorobiphenyl	100	80.2	80		44	119
Q2814-05RE	TW-82H-ERE	2,4,6-Tribromophenol	150	155	104		43	140
		Terphenyl-d14	100	85.2	85		50	134
		2-Fluorophenol	150	47.1	31		19	119
		Phenol-d6	150	41.8	28		10	130
		Nitrobenzene-d5	100	43.7	44		44	120
		2-Fluorobiphenyl	100	40.0	40	*	44	119
		2,4,6-Tribromophenol	150	68.3	46		43	140
		Terphenyl-d14	100	43.7	44	*	50	134
		2-Fluorophenol	150	44.2	29		19	119
		Phenol-d6	150	38.7	26		10	130
		Nitrobenzene-d5	100	34.6	35	*	44	120

Surrogate Summary

SW-846

SDG No.: Q2814

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2814-05RE	TW-82H-ERE	2-Fluorobiphenyl	100	31.4	31	*	44	119
		2,4,6-Tribromophenol	150	53.9	36	*	43	140
		Terphenyl-d14	100	32.8	33	*	50	134
Q2814-06	TW-82H-S	2-Fluorophenol	150	62.0	41		19	119
		Phenol-d6	150	53.1	35		10	130
		Nitrobenzene-d5	100	59.1	59		44	120
Q2814-07	TW-82H-W	2-Fluorobiphenyl	100	50.4	50		44	119
		2,4,6-Tribromophenol	150	88.9	59		43	140
		Terphenyl-d14	100	47.7	48	*	50	134
Q2814-08	TW-38M-E	2-Fluorophenol	150	86.2	57		19	119
		Phenol-d6	150	73.4	49		10	130
		Nitrobenzene-d5	100	97.1	97		44	120
Q2814-09	TW-38M-W	2-Fluorobiphenyl	100	94.6	95		44	119
		2,4,6-Tribromophenol	150	139	93		43	140
		Terphenyl-d14	100	75.7	76		50	134
Q2814-10	TW-38M-N	2-Fluorophenol	150	77.8	52		19	119
		Phenol-d6	150	57.1	38		10	130
		Nitrobenzene-d5	100	105	105		44	120
Q2814-11	TW-38M-S	2-Fluorobiphenyl	100	93.8	94		44	119
		2,4,6-Tribromophenol	150	176	117		43	140
		Terphenyl-d14	100	102	102		50	134
Q2814-12	TW-BP-S	2-Fluorophenol	150	61.3	41		19	119
		Phenol-d6	150	47.0	31		10	130
		Nitrobenzene-d5	100	79.3	79		44	120
Q2814-13	TW-BP-N	2-Fluorobiphenyl	100	74.1	74		44	119
		2,4,6-Tribromophenol	150	132	88		43	140
		Terphenyl-d14	100	82.1	82		50	134
Q2814-14	TW-BP-S	2-Fluorophenol	150	77.7	52		19	119
		Phenol-d6	150	65.3	44		10	130
		Nitrobenzene-d5	100	89.7	90		44	120
Q2814-15	TW-BP-S	2-Fluorobiphenyl	100	79.7	80		44	119
		2,4,6-Tribromophenol	150	149	99		43	140
		Terphenyl-d14	100	88.9	89		50	134
Q2814-16	TW-BP-S	2-Fluorophenol	150	86.2	57		19	119
		Phenol-d6	150	65.7	44		10	130
		Nitrobenzene-d5	100	112	112		44	120
Q2814-17	TW-BP-S	2-Fluorobiphenyl	100	97.7	98		44	119
		2,4,6-Tribromophenol	150	189	126		43	140
		Terphenyl-d14	100	110	110		50	134
Q2814-18	TW-BP-S	2-Fluorophenol	150	91.3	61		19	119
		Phenol-d6	150	76.4	51		10	130
		Nitrobenzene-d5	100	106	106		44	120
Q2814-19	TW-BP-S	2-Fluorobiphenyl	100	95.0	95		44	119
		2,4,6-Tribromophenol	150	180	120		43	140
		Terphenyl-d14	100	105	105		50	134
Q2814-20	TW-BP-N	2-Fluorophenol	150	85.3	57		19	119
		Phenol-d6	150	65.3	44		10	130
		Nitrobenzene-d5	100	114	114		44	120
Q2814-21	TW-BP-N	2-Fluorobiphenyl	100	97.0	97		44	119
		2,4,6-Tribromophenol	150	182	122		43	140
		Terphenyl-d14	100	110	110		50	134

Surrogate Summary

SW-846

SDG No.: Q2814

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2814-14	TW-BP-E	2-Fluorophenol	150	78.9	53		19	119
		Phenol-d6	150	59.9	40		10	130
		Nitrobenzene-d5	100	106	106		44	120
		2-Fluorobiphenyl	100	91.5	91		44	119
		2,4,6-Tribromophenol	150	169	113		43	140
		Terphenyl-d14	100	105	105		50	134
Q2814-15	TW-BP-W	2-Fluorophenol	150	72.8	49		19	119
		Phenol-d6	150	56.9	38		10	130
		Nitrobenzene-d5	100	93.8	94		44	120
		2-Fluorobiphenyl	100	83.6	84		44	119
		2,4,6-Tribromophenol	150	153	102		43	140
		Terphenyl-d14	100	97.2	97		50	134
Q2814-16	FB	2-Fluorophenol	150	91.0	61		19	119
		Phenol-d6	150	70.2	47		10	130
		Nitrobenzene-d5	100	120	120		44	120
		2-Fluorobiphenyl	100	102	102		44	119
		2,4,6-Tribromophenol	150	196	131		43	140
		Terphenyl-d14	100	115	115		50	134
Q2814-17	TW-518R-S	2-Fluorophenol	150	73.3	49		19	119
		Phenol-d6	150	57.5	38		10	130
		Nitrobenzene-d5	100	73.2	73		44	120
		2-Fluorobiphenyl	100	67.6	68		44	119
		2,4,6-Tribromophenol	150	114	76		43	140
		Terphenyl-d14	100	65.2	65		50	134
Q2814-18	TW-518R-N	2-Fluorophenol	150	52.9	35		19	119
		Phenol-d6	150	44.2	29		10	130
		Nitrobenzene-d5	100	46.5	46		44	120
		2-Fluorobiphenyl	100	42.6	43	*	44	119
		2,4,6-Tribromophenol	150	73.5	49		43	140
		Terphenyl-d14	100	44.6	45	*	50	134
Q2814-18RE	TW-518R-NRE	2-Fluorophenol	150	53.6	36		19	119
		Phenol-d6	150	43.4	29		10	130
		Nitrobenzene-d5	100	47.3	47		44	120
		2-Fluorobiphenyl	100	43.1	43	*	44	119
		2,4,6-Tribromophenol	150	70.3	47		43	140
		Terphenyl-d14	100	43.3	43	*	50	134
Q2814-19	TW-518R-E	2-Fluorophenol	150	74.0	49		19	119
		Phenol-d6	150	58.4	39		10	130
		Nitrobenzene-d5	100	82.5	83		44	120
		2-Fluorobiphenyl	100	82.0	82		44	119
		2,4,6-Tribromophenol	150	112	74		43	140
		Terphenyl-d14	100	65.8	66		50	134
Q2814-20	TW-518R-W	2-Fluorophenol	150	93.3	62		19	119
		Phenol-d6	150	73.1	49		10	130
		Nitrobenzene-d5	100	88.8	89		44	120
		2-Fluorobiphenyl	100	81.2	81		44	119
		2,4,6-Tribromophenol	150	145	97		43	140
		Terphenyl-d14	100	84.5	85		50	134

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2814

Analytical Method: 8270E

Client: First Environment, Inc.

DataFile: BF143500.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169223BS	Benzaldehyde	50	27.0	ug/L	54				10	161	
	Phenol	50	40.2	ug/L	80				10	132	
	bis(2-Chloroethyl)ether	50	40.6	ug/L	81				43	118	
	2-Chlorophenol	50	41.6	ug/L	83				38	117	
	2-Methylphenol	50	42.7	ug/L	85				30	117	
	2,2-oxybis(1-Chloropropane)	50	41.0	ug/L	82				37	130	
	Acetophenone	50	42.9	ug/L	86				46	118	
	3+4-Methylphenols	50	43.1	ug/L	86				29	110	
	N-Nitroso-di-n-propylamine	50	42.4	ug/L	85				49	119	
	Hexachloroethane	50	40.5	ug/L	81				21	115	
	Nitrobenzene	50	42.2	ug/L	84				45	121	
	Isophorone	50	43.9	ug/L	88				42	124	
	2-Nitrophenol	50	44.1	ug/L	88				47	123	
	2,4-Dimethylphenol	50	46.3	ug/L	93				31	124	
	bis(2-Chloroethoxy)methane	50	43.3	ug/L	87				48	120	
	2,4-Dichlorophenol	50	42.7	ug/L	85				47	121	
	Naphthalene	50	41.4	ug/L	83				40	121	
	4-Chloroaniline	50	40.4	ug/L	81				33	117	
	Hexachlorobutadiene	50	41.8	ug/L	84				22	124	
	Caprolactam	50	49.3	ug/L	99				10	161	
	4-Chloro-3-methylphenol	50	44.7	ug/L	89				52	119	
	2-Methylnaphthalene	50	38.6	ug/L	77				40	121	
	Hexachlorocyclopentadiene	100	100	ug/L	100				10	155	
	2,4,6-Trichlorophenol	50	44.4	ug/L	89				50	125	
	2,4,5-Trichlorophenol	50	43.2	ug/L	86				53	123	
	1,1-Biphenyl	50	43.3	ug/L	87				49	115	
	2-Chloronaphthalene	50	42.7	ug/L	85				40	116	
	2-Nitroaniline	50	45.7	ug/L	91				55	127	
	Dimethylphthalate	50	45.8	ug/L	92				45	127	
	Acenaphthylene	50	47.7	ug/L	95				41	130	
	2,6-Dinitrotoluene	50	47.4	ug/L	95				57	124	
	3-Nitroaniline	50	39.6	ug/L	79				41	128	
	Acenaphthene	50	45.6	ug/L	91				47	122	
	2,4-Dinitrophenol	100	76.8	ug/L	77				23	143	
	4-Nitrophenol	100	92.9	ug/L	93				10	161	
	Dibenzofuran	50	43.2	ug/L	86				53	118	
	2,4-Dinitrotoluene	50	48.0	ug/L	96				57	128	
	Diethylphthalate	50	46.3	ug/L	93				56	125	
	4-Chlorophenyl-phenylether	50	42.8	ug/L	86				53	121	
	Fluorene	50	43.4	ug/L	87				52	124	
	4-Nitroaniline	50	45.6	ug/L	91				35	120	
	4,6-Dinitro-2-methylphenol	50	45.7	ug/L	91				44	137	
	N-Nitrosodiphenylamine	50	45.0	ug/L	90				51	123	
	4-Bromophenyl-phenylether	50	44.5	ug/L	89				55	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2814</u>	Analytical Method: <u>8270E</u>
Client: <u>First Environment, Inc.</u>	DataFile: <u>BF143500.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169223BS	Hexachlorobenzene	50	44.8	ug/L	90				53	125	
	Atrazine	50	48.5	ug/L	97				44	142	
	Pentachlorophenol	100	90.0	ug/L	90				35	138	
	Phenanthrene	50	43.3	ug/L	87				59	120	
	Anthracene	50	43.4	ug/L	87				57	123	
	Carbazole	50	44.2	ug/L	88				60	122	
	Di-n-butylphthalate	50	48.2	ug/L	96				59	127	
	Fluoranthene	50	42.9	ug/L	86				57	128	
	Pyrene	50	45.4	ug/L	91				57	126	
	Butylbenzylphthalate	50	48.1	ug/L	96				53	134	
	3,3-Dichlorobenzidine	50	40.5	ug/L	81				27	129	
	Benzo(a)anthracene	50	43.2	ug/L	86				58	125	
	Chrysene	50	45.1	ug/L	90				59	123	
	bis(2-Ethylhexyl)phthalate	50	46.0	ug/L	92				55	135	
	Di-n-octyl phthalate	50	45.7	ug/L	91				51	140	
	Benzo(b)fluoranthene	50	44.6	ug/L	89				53	131	
	Benzo(k)fluoranthene	50	44.1	ug/L	88				57	129	
	Benzo(a)pyrene	50	46.9	ug/L	94				54	128	
	Indeno(1,2,3-cd)pyrene	50	46.5	ug/L	93				52	134	
	Dibenz(a,h)anthracene	50	47.6	ug/L	95				51	134	
	Benzo(g,h,i)perylene	50	47.1	ug/L	94				50	134	
	1,2,4,5-Tetrachlorobenzene	50	42.1	ug/L	84				35	121	
	1,4-Dioxane	50	34.2	ug/L	68		*		70	130	
	2,3,4,6-Tetrachlorophenol	50	49.3	ug/L	99				50	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2814

Analytical Method: 8270E

Client: First Environment, Inc.

DataFile: BF143501.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB169223BSD	Benzaldehyde	50	28.3	ug/L	57	5			10	161	20
	Phenol	50	45.0	ug/L	90	11			10	132	20
	bis(2-Chloroethyl)ether	50	46.3	ug/L	93	13			43	118	20
	2-Chlorophenol	50	46.3	ug/L	93	11			38	117	20
	2-Methylphenol	50	47.5	ug/L	95	11			30	117	20
	2,2-oxybis(1-Chloropropane)	50	47.6	ug/L	95	15			37	130	20
	Acetophenone	50	47.2	ug/L	94	10			46	118	20
	3+4-Methylphenols	50	46.7	ug/L	93	8			29	110	20
	N-Nitroso-di-n-propylamine	50	47.6	ug/L	95	12			49	119	20
	Hexachloroethane	50	46.4	ug/L	93	14			21	115	20
	Nitrobenzene	50	46.4	ug/L	93	9			45	121	20
	Isophorone	50	47.3	ug/L	95	7			42	124	20
	2-Nitrophenol	50	48.0	ug/L	96	8			47	123	20
	2,4-Dimethylphenol	50	48.6	ug/L	97	5			31	124	20
	bis(2-Chloroethoxy)methane	50	46.3	ug/L	93	7			48	120	20
	2,4-Dichlorophenol	50	45.3	ug/L	91	6			47	121	20
	Naphthalene	50	45.1	ug/L	90	9			40	121	20
	4-Chloroaniline	50	25.3	ug/L	51	46		*	33	117	20
	Hexachlorobutadiene	50	46.1	ug/L	92	10			22	124	20
	Caprolactam	50	53.5	ug/L	107	8			10	161	20
	4-Chloro-3-methylphenol	50	46.4	ug/L	93	4			52	119	20
	2-Methylnaphthalene	50	41.0	ug/L	82	6			40	121	20
	Hexachlorocyclopentadiene	100	110	ug/L	110	10			10	155	20
	2,4,6-Trichlorophenol	50	46.5	ug/L	93	5			50	125	20
	2,4,5-Trichlorophenol	50	45.3	ug/L	91	5			53	123	20
	1,1-Biphenyl	50	46.2	ug/L	92	6			49	115	20
	2-Chloronaphthalene	50	45.6	ug/L	91	7			40	116	20
	2-Nitroaniline	50	48.7	ug/L	97	6			55	127	20
	Dimethylphthalate	50	48.4	ug/L	97	6			45	127	20
	Acenaphthylene	50	51.0	ug/L	102	7			41	130	20
	2,6-Dinitrotoluene	50	51.6	ug/L	103	8			57	124	20
	3-Nitroaniline	50	33.5	ug/L	67	17			41	128	20
	Acenaphthene	50	49.0	ug/L	98	7			47	122	20
	2,4-Dinitrophenol	100	83.3	ug/L	83	8			23	143	20
	4-Nitrophenol	100	98.5	ug/L	99	6			10	161	20
	Dibenzofuran	50	45.8	ug/L	92	6			53	118	20
	2,4-Dinitrotoluene	50	51.3	ug/L	103	7			57	128	20
	Diethylphthalate	50	49.8	ug/L	100	7			56	125	20
	4-Chlorophenyl-phenylether	50	46.2	ug/L	92	8			53	121	20
	Fluorene	50	45.8	ug/L	92	5			52	124	20
	4-Nitroaniline	50	48.1	ug/L	96	5			35	120	20
	4,6-Dinitro-2-methylphenol	50	49.3	ug/L	99	8			44	137	20
	N-Nitrosodiphenylamine	50	48.1	ug/L	96	7			51	123	20
	4-Bromophenyl-phenylether	50	47.1	ug/L	94	6			55	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2814</u>	Analytical Method: <u>8270E</u>
Client: <u>First Environment, Inc.</u>	DataFile: <u>BF143501.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169223BSD	Hexachlorobenzene	50	47.0	ug/L	94	5			53	125		20
	Atrazine	50	52.7	ug/L	105	8			44	142		20
	Pentachlorophenol	100	98.0	ug/L	98	9			35	138		20
	Phenanthrene	50	46.5	ug/L	93	7			59	120		20
	Anthracene	50	47.3	ug/L	95	9			57	123		20
	Carbazole	50	47.0	ug/L	94	6			60	122		20
	Di-n-butylphthalate	50	52.4	ug/L	105	8			59	127		20
	Fluoranthene	50	45.6	ug/L	91	6			57	128		20
	Pyrene	50	48.6	ug/L	97	7			57	126		20
	Butylbenzylphthalate	50	51.4	ug/L	103	7			53	134		20
	3,3-Dichlorobenzidine	50	31.5	ug/L	63	25		*	27	129		20
	Benzo(a)anthracene	50	47.4	ug/L	95	9			58	125		20
	Chrysene	50	48.2	ug/L	96	7			59	123		20
	bis(2-Ethylhexyl)phthalate	50	49.2	ug/L	98	7			55	135		20
	Di-n-octyl phthalate	50	49.6	ug/L	99	8			51	140		20
	Benzo(b)fluoranthene	50	50.1	ug/L	100	12			53	131		20
	Benzo(k)fluoranthene	50	49.9	ug/L	100	12			57	129		20
	Benzo(a)pyrene	50	51.8	ug/L	104	10			54	128		20
	Indeno(1,2,3-cd)pyrene	50	50.4	ug/L	101	8			52	134		20
	Dibenz(a,h)anthracene	50	51.7	ug/L	103	8			51	134		20
	Benzo(g,h,i)perylene	50	52.0	ug/L	104	10			50	134		20
	1,2,4,5-Tetrachlorobenzene	50	44.9	ug/L	90	6			35	121		20
	1,4-Dioxane	50	38.6	ug/L	77	12			70	130		20
	2,3,4,6-Tetrachlorophenol	50	53.1	ug/L	106	7			50	128		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169223BL

Lab Name: Alliance Contract: FIRS02
Lab Code: ACE SDG NO.: Q2814
Lab File ID: BF143378.D Lab Sample ID: PB169223BL
Instrument ID: BNA_F Date Extracted: 08/12/2025
Matrix: (soil/water) Water Date Analyzed: 08/14/2025
Level: (low/med) LOW Time Analyzed: 13:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TW-84SB-E	Q2814-01	BF143379.D	08/14/2025
TW-17M-N	Q2814-02	BF143380.D	08/14/2025
TW-17M-W	Q2814-03	BF143381.D	08/14/2025
TW-82H-N	Q2814-04	BF143382.D	08/14/2025
TW-82H-E	Q2814-05	BF143383.D	08/14/2025
TW-82H-S	Q2814-06	BF143384.D	08/14/2025
TW-38M-E	Q2814-08	BF143386.D	08/14/2025
TW-38M-W	Q2814-09	BF143387.D	08/14/2025
TW-38M-N	Q2814-10	BF143388.D	08/14/2025
TW-38M-S	Q2814-11	BF143389.D	08/14/2025
TW-BP-S	Q2814-12	BF143390.D	08/14/2025
TW-BP-N	Q2814-13	BF143391.D	08/14/2025
TW-BP-E	Q2814-14	BF143392.D	08/14/2025
TW-BP-W	Q2814-15	BF143393.D	08/14/2025
FB	Q2814-16	BF143396.D	08/14/2025
PB169223BS	PB169223BS	BF143500.D	08/20/2025
PB169223BSD	PB169223BSD	BF143501.D	08/20/2025
TW-82H-W	Q2814-07	BF143534.D	08/21/2025
TW-518R-E	Q2814-19	BF143536.D	08/21/2025
TW-518R-W	Q2814-20	BP025427.D	08/15/2025
TW-518R-S	Q2814-17	BP025429.D	08/15/2025
TW-518R-N	Q2814-18	BP025430.D	08/15/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143342.D
Instrument ID: BNA_F

Contract: FIRS02
SDG NO.: Q2814
DFTPP Injection Date: 08/12/2025
DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	77.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143343.D	08/12/2025	09:03
SSTDICC005	SSTDICC005	BF143344.D	08/12/2025	09:34
SSTDICC010	SSTDICC010	BF143345.D	08/12/2025	10:04
SSTDICC020	SSTDICC020	BF143346.D	08/12/2025	10:35
SSTDICCC040	SSTDICCC040	BF143347.D	08/12/2025	11:06
SSTDICC050	SSTDICC050	BF143348.D	08/12/2025	11:37
SSTDICC060	SSTDICC060	BF143349.D	08/12/2025	12:07
SSTDICC080	SSTDICC080	BF143350.D	08/12/2025	12:38

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143376.D
Instrument ID: BNA_F

Contract: FIRS02
SDG NO.: Q2814
DFTPP Injection Date: 08/14/2025
DFTPP Injection Time: 11:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	77.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143377.D	08/14/2025	12:55
PB169223BL	PB169223BL	BF143378.D	08/14/2025	13:25
TW-84SB-E	Q2814-01	BF143379.D	08/14/2025	13:55
TW-17M-N	Q2814-02	BF143380.D	08/14/2025	14:25
TW-17M-W	Q2814-03	BF143381.D	08/14/2025	14:55
TW-82H-N	Q2814-04	BF143382.D	08/14/2025	15:26
TW-82H-E	Q2814-05	BF143383.D	08/14/2025	15:56
TW-82H-S	Q2814-06	BF143384.D	08/14/2025	16:26
TW-38M-E	Q2814-08	BF143386.D	08/14/2025	17:26
TW-38M-W	Q2814-09	BF143387.D	08/14/2025	17:56
TW-38M-N	Q2814-10	BF143388.D	08/14/2025	18:26
TW-38M-S	Q2814-11	BF143389.D	08/14/2025	18:56
TW-BP-S	Q2814-12	BF143390.D	08/14/2025	19:26
TW-BP-N	Q2814-13	BF143391.D	08/14/2025	19:56
TW-BP-E	Q2814-14	BF143392.D	08/14/2025	20:26
TW-BP-W	Q2814-15	BF143393.D	08/14/2025	20:56
FB	Q2814-16	BF143396.D	08/14/2025	22:26
SSTDCCC040EC	SSTDCCC040	BF143397.D	08/14/2025	22:56

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143476.D
Instrument ID: BNA_F

Contract: FIRS02
SDG NO.: Q2814
DFTPP Injection Date: 08/20/2025
DFTPP Injection Time: 10:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143477.D	08/20/2025	10:55
SSTDICC005	SSTDICC005	BF143478.D	08/20/2025	11:25
SSTDICC010	SSTDICC010	BF143479.D	08/20/2025	11:54
SSTDICC020	SSTDICC020	BF143480.D	08/20/2025	12:23
SSTDICCC040	SSTDICCC040	BF143481.D	08/20/2025	12:53
SSTDICC050	SSTDICC050	BF143482.D	08/20/2025	13:22
SSTDICC060	SSTDICC060	BF143483.D	08/20/2025	13:51
SSTDICC080	SSTDICC080	BF143484.D	08/20/2025	14:20

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143497.D
Instrument ID: BNA_F

Contract: FIRS02
SDG NO.: Q2814
DFTPP Injection Date: 08/20/2025
DFTPP Injection Time: 21:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	83.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143498.D	08/20/2025	22:05
PB169223BS	PB169223BS	BF143500.D	08/20/2025	23:03
PB169223BSD	PB169223BSD	BF143501.D	08/20/2025	23:32
SSTDCCC040EC	SSTDCCC040	BF143516.D	08/21/2025	06:44

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143517.D
Instrument ID: BNA_F

Contract: FIRS02
SDG NO.: Q2814
DFTPP Injection Date: 08/21/2025
DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	77.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143518.D	08/21/2025	09:21
TW-82H-W	Q2814-07	BF143534.D	08/21/2025	17:07
TW-518R-E	Q2814-19	BF143536.D	08/21/2025	18:05
SSTDCCC040EC	SSTDCCC040	BF143539.D	08/21/2025	19:32

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025390.D
Instrument ID: BNA_P

Contract: FIRS02
SDG NO.: Q2814
DFTPP Injection Date: 08/14/2025
DFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	81.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP025392.D	08/14/2025	12:33
SSTDICC005	SSTDICC005	BP025393.D	08/14/2025	13:15
SSTDICC010	SSTDICC010	BP025394.D	08/14/2025	13:56
SSTDICC020	SSTDICC020	BP025395.D	08/14/2025	14:38
SSTDICCC040	SSTDICCC040	BP025396.D	08/14/2025	15:19
SSTDICC050	SSTDICC050	BP025397.D	08/14/2025	16:01
SSTDICC060	SSTDICC060	BP025398.D	08/14/2025	16:42
SSTDICC080	SSTDICC080	BP025399.D	08/14/2025	17:24

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025421.D
Instrument ID: BNA_P

Contract: FIRS02
SDG NO.: Q2814
DFTPP Injection Date: 08/15/2025
DFTPP Injection Time: 09:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025422.D	08/15/2025	10:36
TW-82H-ERE	Q2814-05RE	BP025426.D	08/15/2025	14:08
TW-518R-W	Q2814-20	BP025427.D	08/15/2025	14:49
TW-518R-S	Q2814-17	BP025429.D	08/15/2025	16:12
TW-518R-N	Q2814-18	BP025430.D	08/15/2025	16:54
SSTDCCC040EC	SSTDCCC040	BP025436.D	08/15/2025	21:03

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025511.D
Instrument ID: BNA_P

Contract: FIRS02
SDG NO.: Q2814
DFTPP Injection Date: 08/20/2025
DFTPP Injection Time: 17:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	80.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025512.D	08/20/2025	18:27
TW-518R-NRE	Q2814-18RE	BP025522.D	08/21/2025	01:15
SSTDCCC040EC	SSTDCCC040	BP025526.D	08/21/2025	03:59

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID : SSTDCCC040

Date Analyzed: 08/14/2025

Lab File ID: BF143377.D

Time Analyzed: 12:55

Instrument ID: BNA_F

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	143032	6.934	542236	8.22	283411	9.97
	UPPER LIMIT	286064	7.434	1084470	8.716	566822	10.469
	LOWER LIMIT	71516	6.434	271118	7.716	141706	9.469
	EPA SAMPLE NO.						
01	TW-38M-W	147629	6.93	565548	8.22	301521	9.97
02	TW-38M-N	143835	6.93	555709	8.21	299361	9.97
03	TW-38M-S	150098	6.93	582588	8.21	311951	9.97
04	TW-BP-S	144335	6.93	558822	8.21	295912	9.97
05	TW-BP-N	147123	6.93	561422	8.22	301794	9.97
06	TW-BP-E	147415	6.93	561051	8.21	301049	9.97
07	TW-BP-W	145496	6.93	552631	8.22	297448	9.97
08	FB	150641	6.93	593779	8.21	319866	9.97
09	PB169223BL	154726	6.93	596838	8.21	323008	9.97
10	TW-84SB-E	145977	6.93	555514	8.22	299536	9.97
11	TW-17M-N	147922	6.93	579548	8.22	306866	9.97
12	TW-17M-W	152471	6.93	588451	8.21	306946	9.97
13	TW-82H-N	152831	6.93	587688	8.21	317654	9.97
14	TW-82H-E	145768	6.93	556147	8.21	299418	9.97
15	TW-82H-S	144062	6.93	564075	8.22	297274	9.97
16	TW-38M-E	141367	6.93	547406	8.22	290207	9.97

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID : SSTDCCC040

Date Analyzed: 08/14/2025

Lab File ID: BF143377.D

Time Analyzed: 12:55

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	143032	6.934	542236	8.22	283411	9.97
UPPER LIMIT	286064	7.434	1084470	8.716	566822	10.469
LOWER LIMIT	71516	6.434	271118	7.716	141706	9.469
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID: SSTDCCC040

Date Analyzed: 08/14/2025

Lab File ID: BF143377.D

Time Analyzed: 12:55

Instrument ID: BNA_F

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	404824	11.457	239234	14.098	289673	15.592
	UPPER LIMIT	809648	11.957	478468	14.598	579346	16.092
	LOWER LIMIT	202412	10.957	119617	13.598	144837	15.092
	EPA SAMPLE NO.						
01	TW-38M-W	461596	11.46	251187	14.10	284292	15.59
02	TW-38M-N	455198	11.46	258169	14.10	285769	15.59
03	TW-38M-S	484675	11.46	273593	14.10	288235	15.59
04	TW-BP-S	447522	11.46	264789	14.10	301869	15.59
05	TW-BP-N	453683	11.46	253979	14.10	291392	15.59
06	TW-BP-E	453674	11.46	245304	14.10	285132	15.59
07	TW-BP-W	446811	11.46	248119	14.10	287001	15.59
08	FB	472967	11.46	271036	14.10	338281	15.59
09	PB169223BL	521634	11.46	333271	14.10	283492	15.59
10	TW-84SB-E	474946	11.46	287392	14.10	273915	15.59
11	TW-17M-N	472081	11.46	277273	14.10	296651	15.59
12	TW-17M-W	467839	11.46	268746	14.10	301101	15.59
13	TW-82H-N	484666	11.46	294954	14.10	316888	15.59
14	TW-82H-E	460766	11.46	254834	14.10	257431	15.59
15	TW-82H-S	452249	11.46	249092	14.10	291351	15.59
16	TW-38M-E	435103	11.46	245198	14.10	276692	15.59

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID: SSTDCCC040

Date Analyzed: 08/14/2025

Lab File ID: BF143377.D

Time Analyzed: 12:55

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	404824	11.457	239234	14.098	289673	15.592
UPPER LIMIT	809648	11.957	478468	14.598	579346	16.092
LOWER LIMIT	202412	10.957	119617	13.598	144837	15.092
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID : SSTDCCC040

Date Analyzed: 08/20/2025

Lab File ID: BF143498.D

Time Analyzed: 22:05

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	138596	6.928	522619	8.21	286971	9.97
UPPER LIMIT	277192	7.428	1045240	8.71	573942	10.469
LOWER LIMIT	69298	6.428	261310	7.71	143486	9.469
EPA SAMPLE NO.						
01 PB169223BS	131186	6.93	492884	8.21	270237	9.97
02 PB169223BSD	120429	6.93	465856	8.21	252664	9.97

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID: SSTDCCC040

Date Analyzed: 08/20/2025

Lab File ID: BF143498.D

Time Analyzed: 22:05

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	448105	11.451	253253	14.098	290056	15.592
UPPER LIMIT	896210	11.951	506506	14.598	580112	16.092
LOWER LIMIT	224053	10.951	126627	13.598	145028	15.092
EPA SAMPLE NO.						
01 PB169223BS	416818	11.46	228118	14.10	266176	15.59
02 PB169223BSD	388075	11.45	209415	14.10	232706	15.59

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID : SSTDCCC040

Date Analyzed: 08/21/2025

Lab File ID: BF143518.D

Time Analyzed: 09:21

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	118001	6.928	448774	8.21	244595	9.96
UPPER LIMIT	236002	7.428	897548	8.71	489190	10.463
LOWER LIMIT	59000.5	6.428	224387	7.71	122298	9.463
EPA SAMPLE NO.						
01 TW-82H-W	107966	6.93	407935	8.20	212822	9.96
02 TW-518R-E	109854	6.93	411240	8.20	205974	9.96

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID: SSTDCCC040

Date Analyzed: 08/21/2025

Lab File ID: BF143518.D

Time Analyzed: 09:21

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	369706	11.451	222503	14.098	262934	15.592
UPPER LIMIT	739412	11.951	445006	14.598	525868	16.092
LOWER LIMIT	184853	10.951	111252	13.598	131467	15.092
EPA SAMPLE NO.						
01 TW-82H-W	291316	11.45	216372	14.09	248939	15.59
02 TW-518R-E	272882	11.45	205191	14.09	251013	15.59

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID : SSTDCCC040

Date Analyzed: 08/15/2025

Lab File ID: BP025422.D

Time Analyzed: 10:36

Instrument ID: BNA_P

GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	163210	7.79	699113	10.55	458301	14.41
UPPER LIMIT	326420	8.29	1398230	11.054	916602	14.907
LOWER LIMIT	81605	7.29	349557	10.054	229151	13.907
EPA SAMPLE NO.						
01 TW-82H-ERE	137678	7.79	540790	10.55	370556	14.40
02 TW-518R-S	138753	7.78	565678	10.55	378580	14.40
03 TW-518R-N	144702	7.79	586287	10.55	406797	14.41
04 TW-518R-W	131204	7.79	536271	10.56	359414	14.40

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID: SSTDCCC040

Date Analyzed: 08/15/2025

Lab File ID: BP025422.D

Time Analyzed: 10:36

Instrument ID: BNA_P

GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	913689	17.201	958309	21.648	1096860	25.012
UPPER LIMIT	1827380	17.701	1916620	22.148	2193720	25.512
LOWER LIMIT	456845	16.701	479155	21.148	548430	24.512
EPA SAMPLE NO.						
01 TW-82H-ERE	763380	17.20	864878	21.63	962910	24.99
02 TW-518R-S	745820	17.20	803558	21.62	896940	24.98
03 TW-518R-N	853552	17.20	897128	21.64	1017130	25.01
04 TW-518R-W	752275	17.20	812653	21.63	899631	25.00

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID : SSTDCCC040

Date Analyzed: 08/20/2025

Lab File ID: BP025512.D

Time Analyzed: 18:27

Instrument ID: BNA_P

GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	166180	7.79	619421	10.55	355189	14.40
UPPER LIMIT	332360	8.29	1238840	11.054	710378	14.895
LOWER LIMIT	83090	7.29	309711	10.054	177595	13.895
EPA SAMPLE NO.						
01 TW-518R-NRE	227667	7.79	906269	10.56	565733	14.40

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2814

Client ID: SSTDCCC040

Date Analyzed: 08/20/2025

Lab File ID: BP025512.D

Time Analyzed: 18:27

Instrument ID: BNA_P

GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	670328	17.201	721835	21.648	911460	25.03
UPPER LIMIT	1340660	17.701	1443670	22.148	1822920	25.53
LOWER LIMIT	335164	16.701	360918	21.148	455730	24.53
EPA SAMPLE NO.						
01 TW-518R-NRE	1067340	17.19	1097370	21.64	1243290	25.02

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143379.D	1	08/12/25 09:55	08/14/25 13:55	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143379.D	1	08/12/25 09:55	08/14/25 13:55	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143379.D	1	08/12/25 09:55	08/14/25 13:55	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	85.9		19 - 119	57%	SPK: 150
13127-88-3	Phenol-d6	63.4		10 - 130	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	118		44 - 120	118%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		44 - 119	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	203		43 - 140	135%	SPK: 150
1718-51-0	Terphenyl-d14	112		50 - 134	112%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	146000	6.934
1146-65-2	Naphthalene-d8	556000	8.216
15067-26-2	Acenaphthene-d10	300000	9.969
1517-22-2	Phenanthrene-d10	475000	11.457
1719-03-5	Chrysene-d12	287000	14.098
1520-96-3	Perylene-d12	274000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	110	JB	2.27	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.30	AB	5.16	ug/L
000119-61-9	Benzophenone	2.70	J	10.7	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143379.D	1	08/12/25 09:55	08/14/25 13:55	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143379.D
Acq On : 14 Aug 2025 13:55
Operator : RC/JU
Sample : Q2814-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

Quant Time: Aug 14 14:16:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	145977	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	555514	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	299536	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	474946	20.000	ng	0.00
76) Chrysene-d12	14.098	240	287392	20.000	ng	0.00
86) Perylene-d12	15.592	264	273915	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	725246	85.913	ng	0.00
7) Phenol-d6	6.563	99	686745	63.439	ng	0.00
23) Nitrobenzene-d5	7.492	82	1048688	117.559	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	444168	202.902	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1823076	103.209	ng	0.00
79) Terphenyl-d14	13.039	244	1796599	111.608	ng	0.00

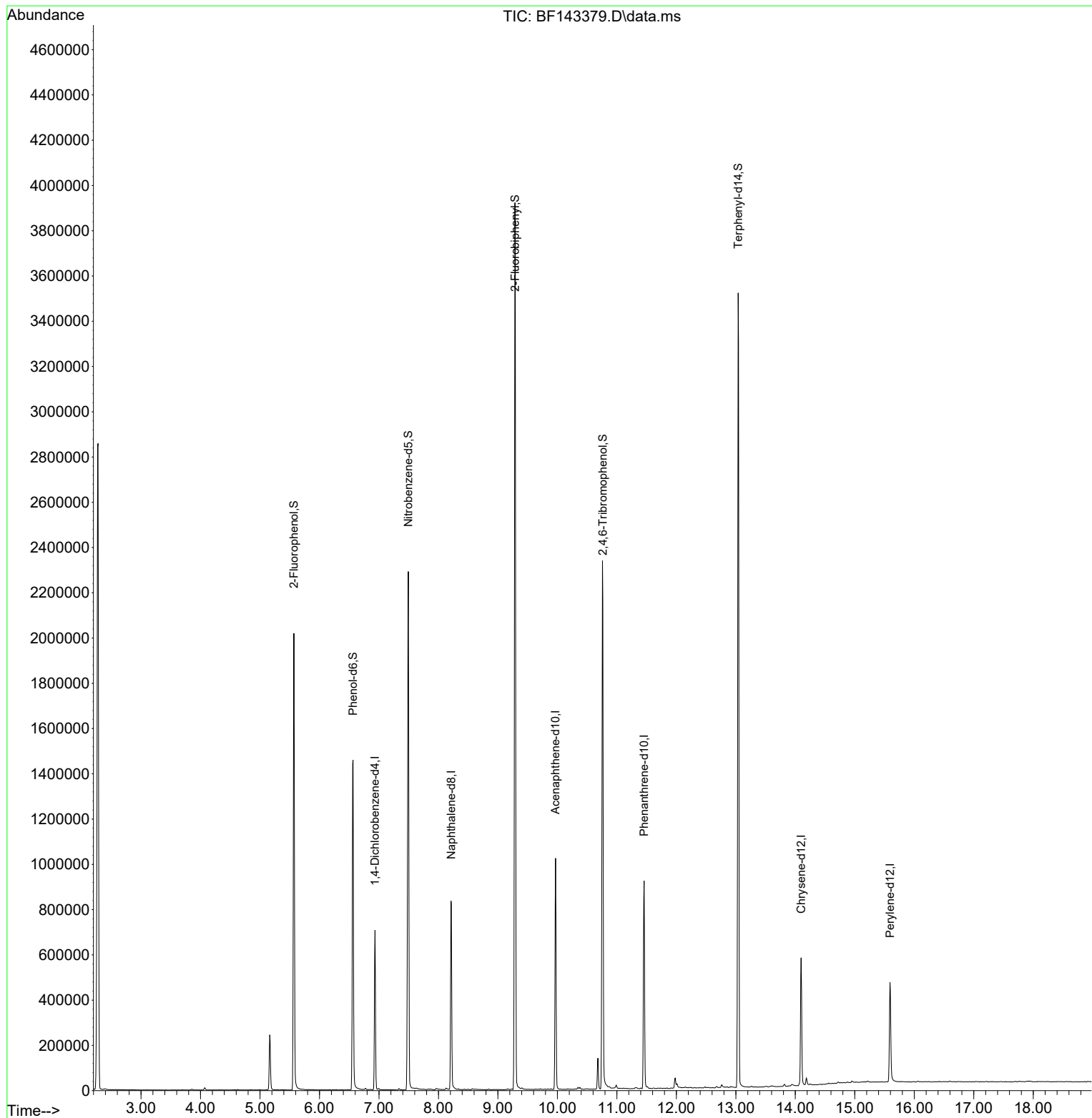
Target Compounds	Qvalue
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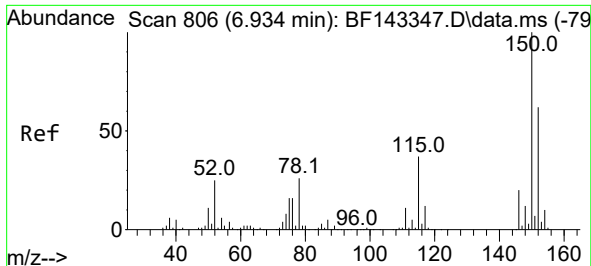
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143379.D
Acq On : 14 Aug 2025 13:55
Operator : RC/JU
Sample : Q2814-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

Quant Time: Aug 14 14:16:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

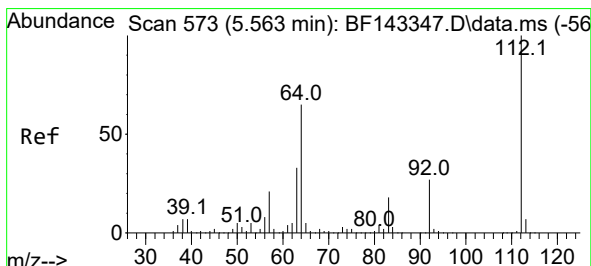
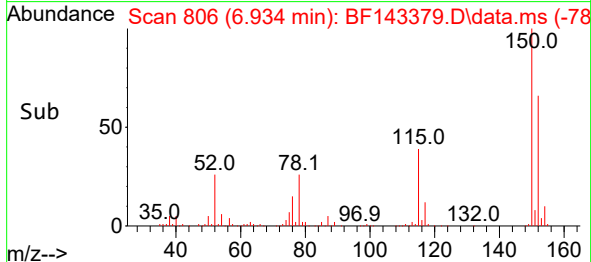
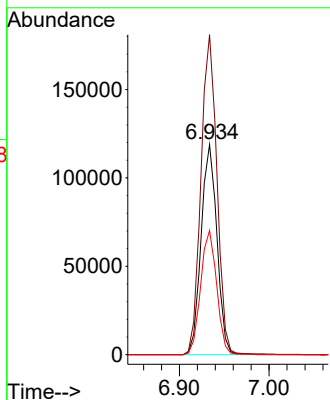
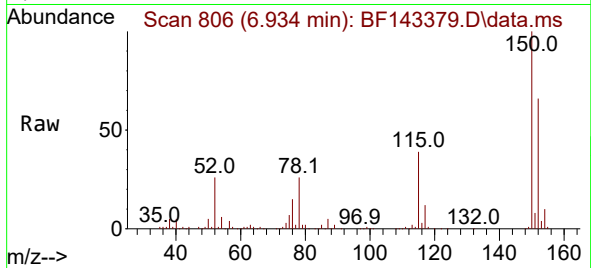




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

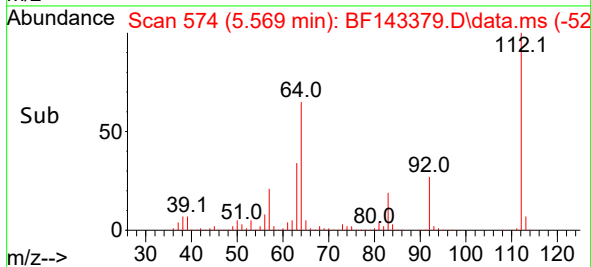
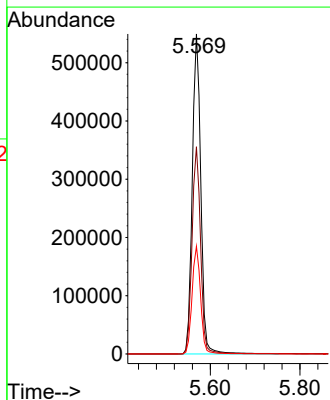
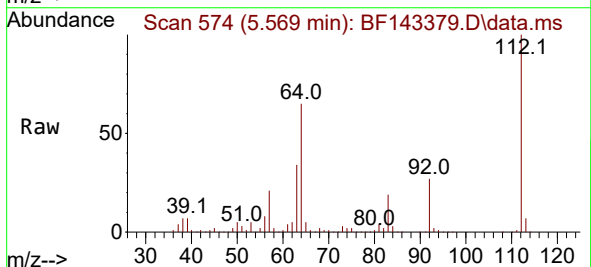
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

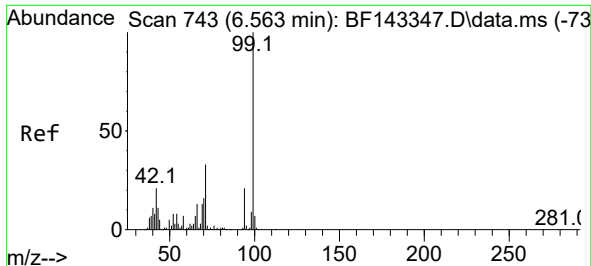
Tgt Ion:152 Resp: 145977
Ion Ratio Lower Upper
152 100
150 152.2 129.8 194.8
115 59.1 47.8 71.8



#5
2-Fluorophenol
Concen: 85.913 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

Tgt Ion:112 Resp: 725246
Ion Ratio Lower Upper
112 100
64 64.8 52.1 78.1
63 33.7 26.6 39.8

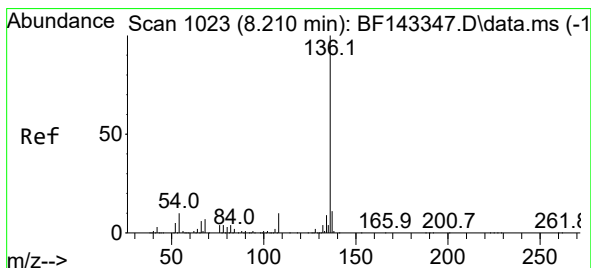
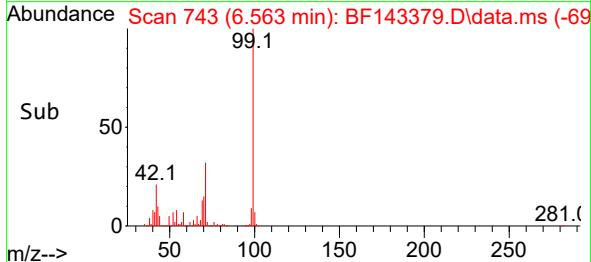
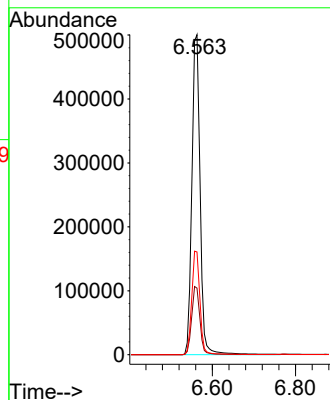
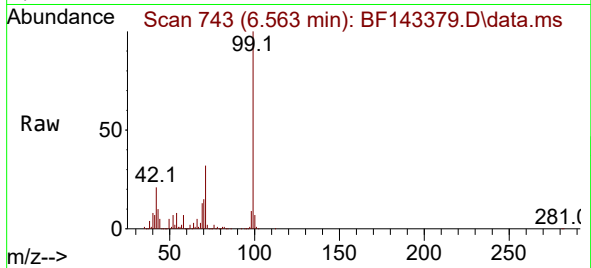




#7
Phenol-d6
Concen: 63.439 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

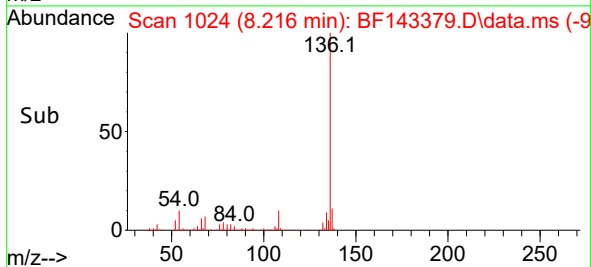
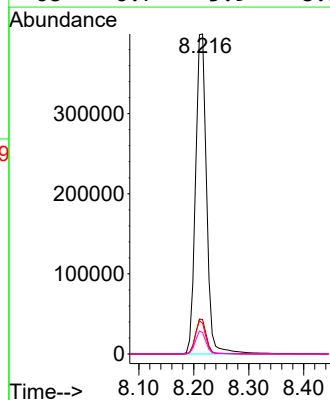
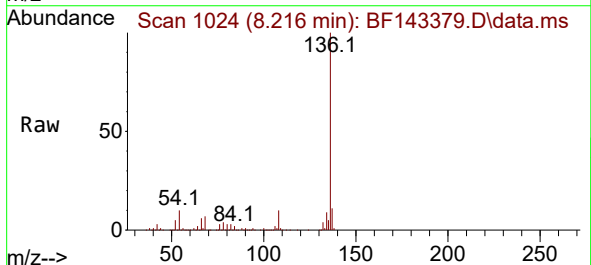
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

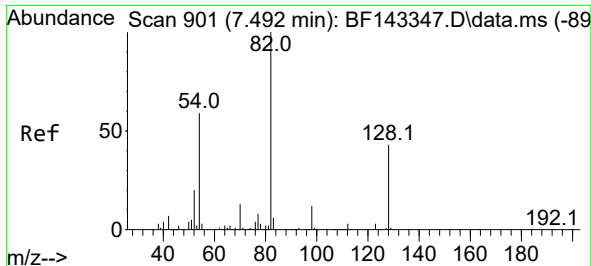
Tgt Ion: 99 Resp: 686745
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 32.1 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

Tgt Ion: 136 Resp: 555514
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.6 8.4 12.6
68 6.7 5.9 8.9





#23

Nitrobenzene-d5

Concen: 117.559 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

Instrument :

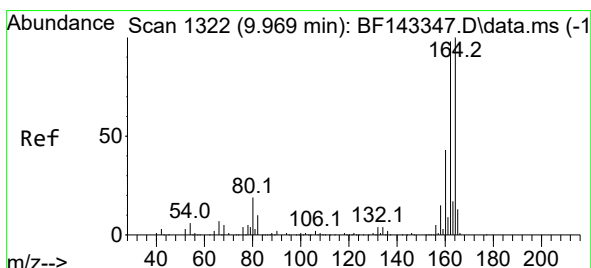
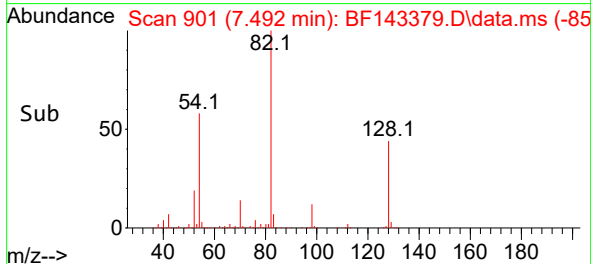
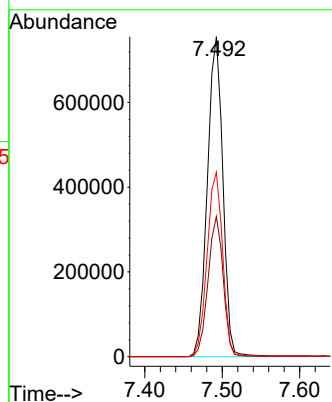
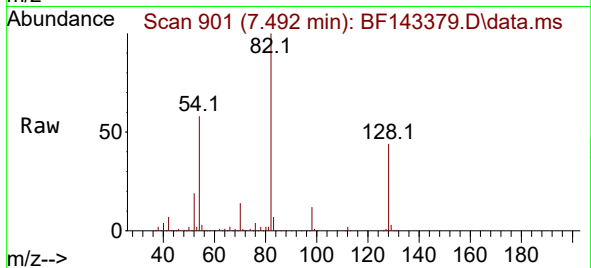
BNA_F

ClientSampleId :

TW-84SB-E

Tgt Ion: 82 Resp: 1048688

Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.5	50.3
54	57.7	46.7	70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

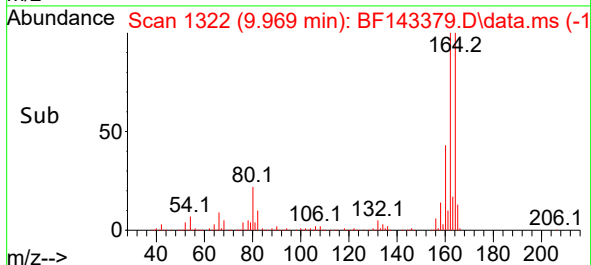
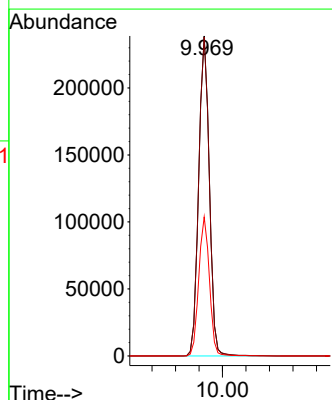
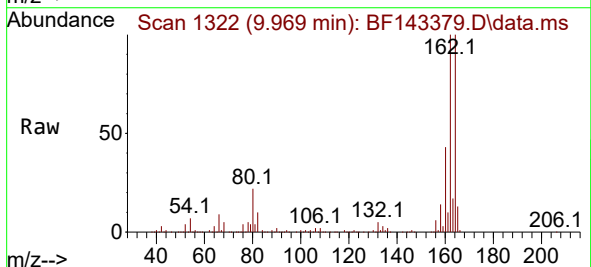
Delta R.T. -0.000 min

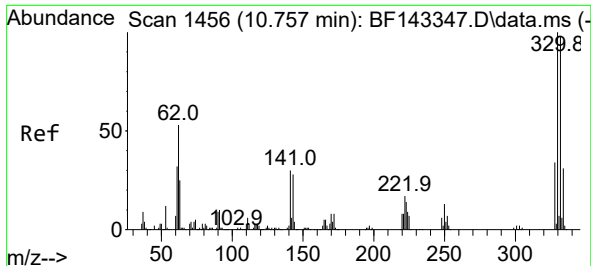
Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

Tgt Ion: 164 Resp: 299536

Ion	Ratio	Lower	Upper
164	100		
162	99.7	78.6	118.0
160	43.5	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 202.902 ng

RT: 10.763 min Scan# 1456

Delta R.T. 0.006 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

Instrument :

BNA_F

ClientSampleId :

TW-84SB-E

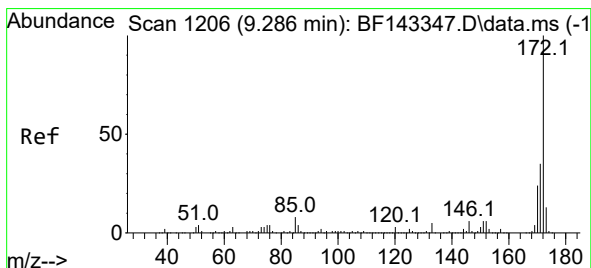
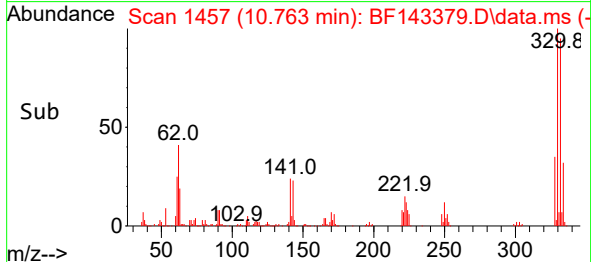
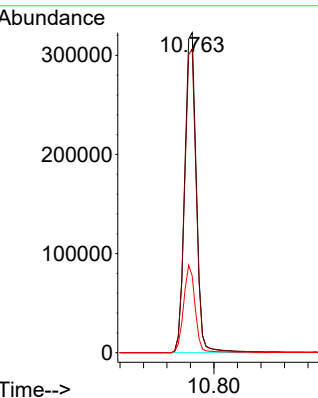
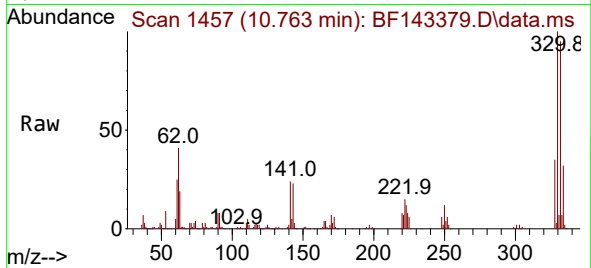
Tgt Ion:330 Resp: 444168

Ion Ratio Lower Upper

330 100

332 95.4 78.1 117.1

141 27.5 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 103.209 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

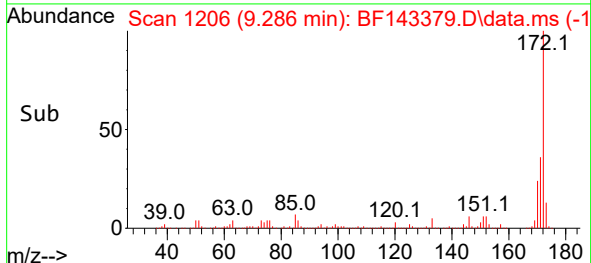
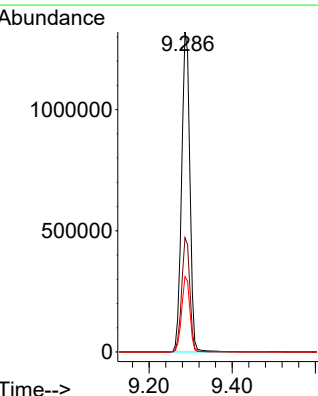
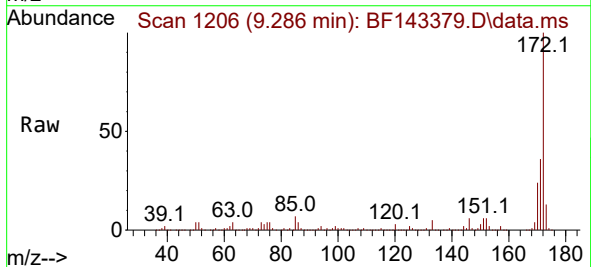
Tgt Ion:172 Resp: 1823076

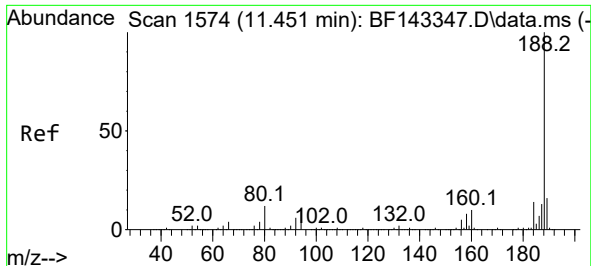
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.6 19.1 28.7

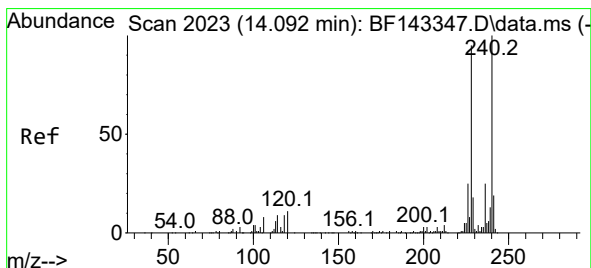
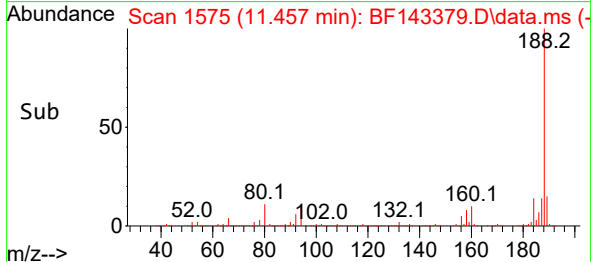
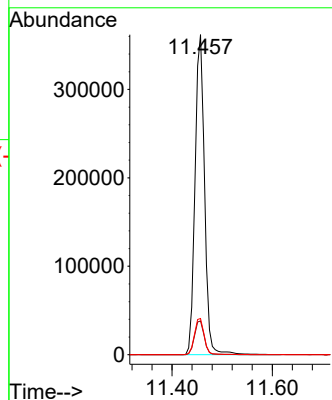
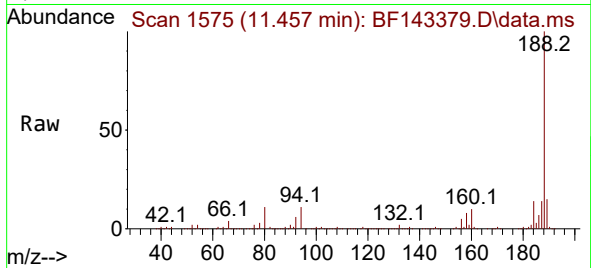




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

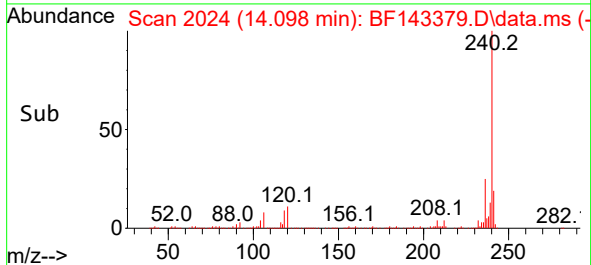
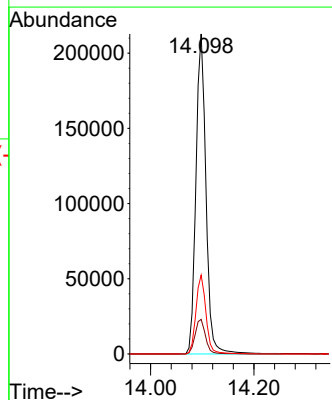
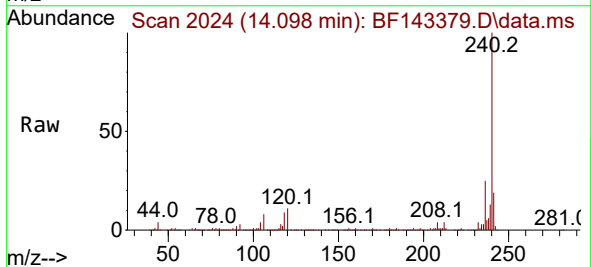
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

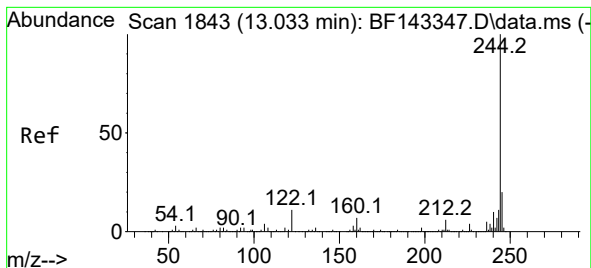
Tgt Ion:188 Resp: 474946
Ion Ratio Lower Upper
188 100
94 10.5 8.8 13.2
80 11.3 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143379.D
Acq: 14 Aug 2025 13:55

Tgt Ion:240 Resp: 287392
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 24.7 19.9 29.9





#79

Terphenyl-d14

Concen: 111.608 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

Instrument :

BNA_F

ClientSampleId :

TW-84SB-E

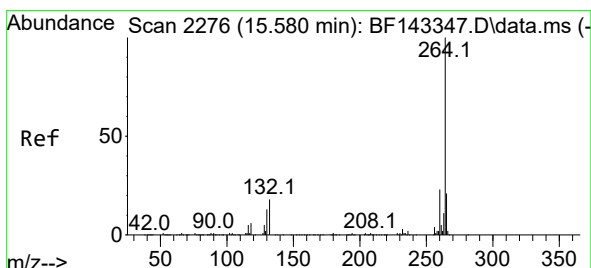
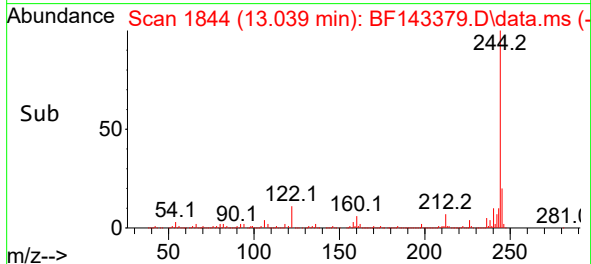
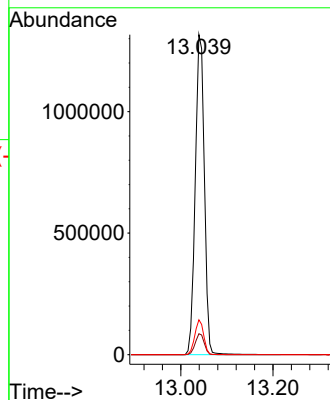
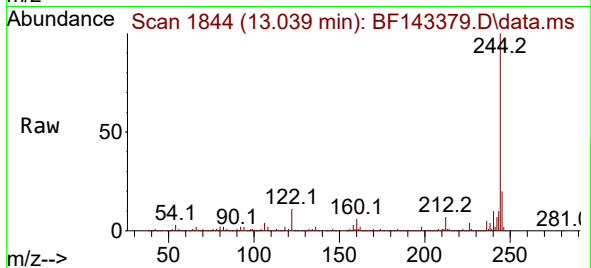
Tgt Ion:244 Resp: 1796599

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 10.9 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143379.D

Acq: 14 Aug 2025 13:55

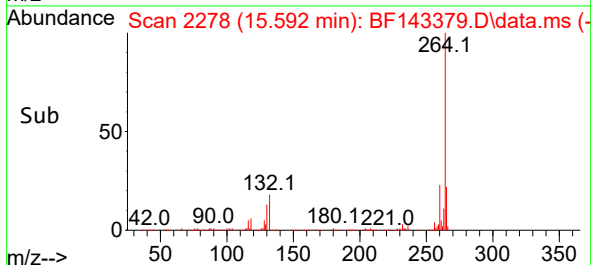
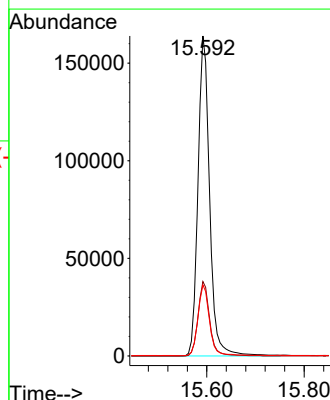
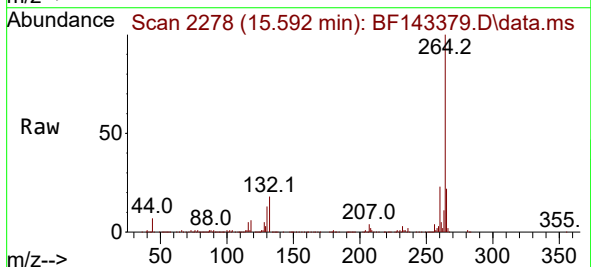
Tgt Ion:264 Resp: 273915

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 22.1 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143379.D
Acq On : 14 Aug 2025 13:55
Operator : RC/JU
Sample : Q2814-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143379.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.275	5	14	25	rBV	2854275	4839592	90.49%	14.821%
2	5.163	498	505	519	rBV	243898	360975	6.75%	1.105%
3	5.569	568	574	596	rBV	2018666	2667398	49.88%	8.169%
4	6.563	737	743	769	rBV	1457374	2017835	37.73%	6.180%
5	6.934	801	806	813	rBV	704954	872271	16.31%	2.671%
6	7.492	894	901	906	rBV	2290466	3160322	59.09%	9.679%
7	8.210	1018	1023	1041	rBV	833111	1141957	21.35%	3.497%
8	9.286	1200	1206	1223	rBV	3918753	5348150	100.00%	16.379%
9	9.969	1316	1322	1336	rBV	1020939	1285982	24.05%	3.938%
10	10.680	1438	1443	1450	rBV	136132	171829	3.21%	0.526%
11	10.757	1450	1456	1473	rBV	2333786	3236910	60.52%	9.913%
12	11.457	1569	1575	1582	rBV	918397	1198853	22.42%	3.672%
13	11.980	1659	1664	1667	rBV	44218	66657	1.25%	0.204%
14	13.039	1838	1844	1861	rBV	3511179	4772713	89.24%	14.617%
15	14.098	2016	2024	2034	rBV	565286	777620	14.54%	2.381%
16	15.592	2272	2278	2297	rBV	439236	733843	13.72%	2.247%

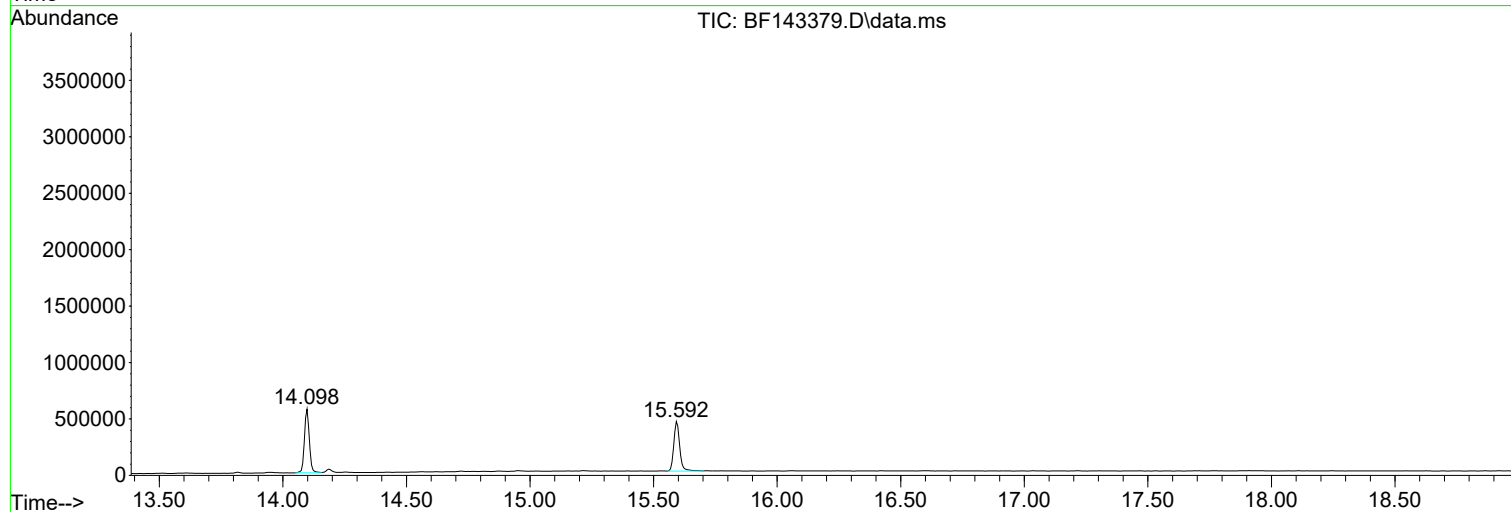
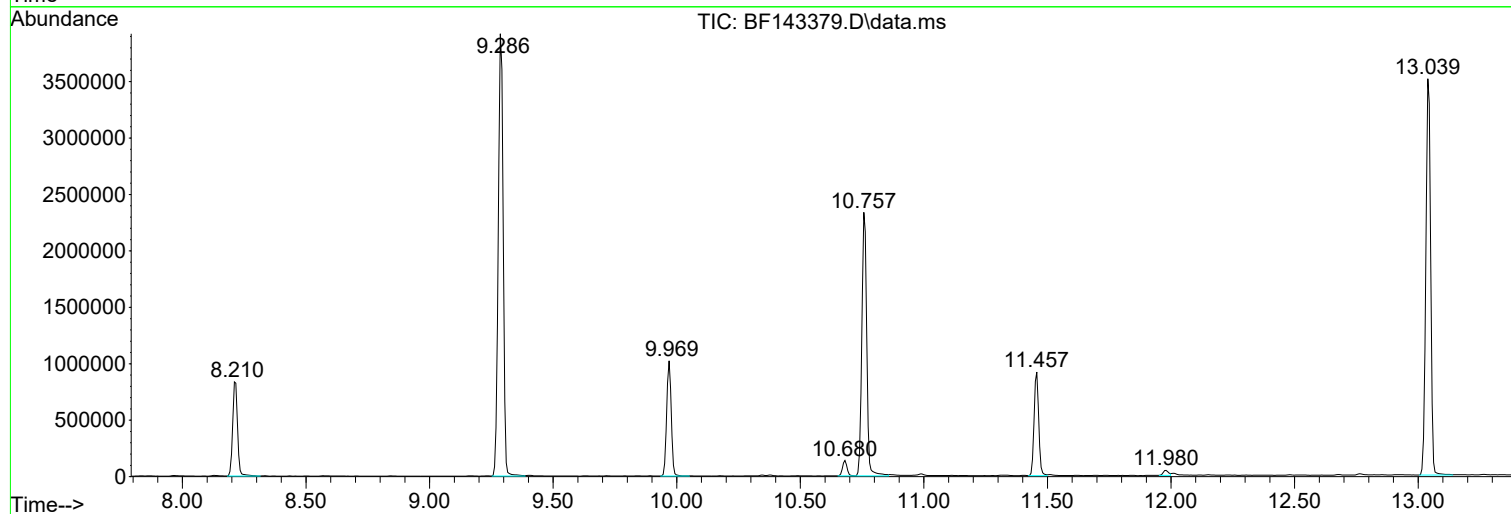
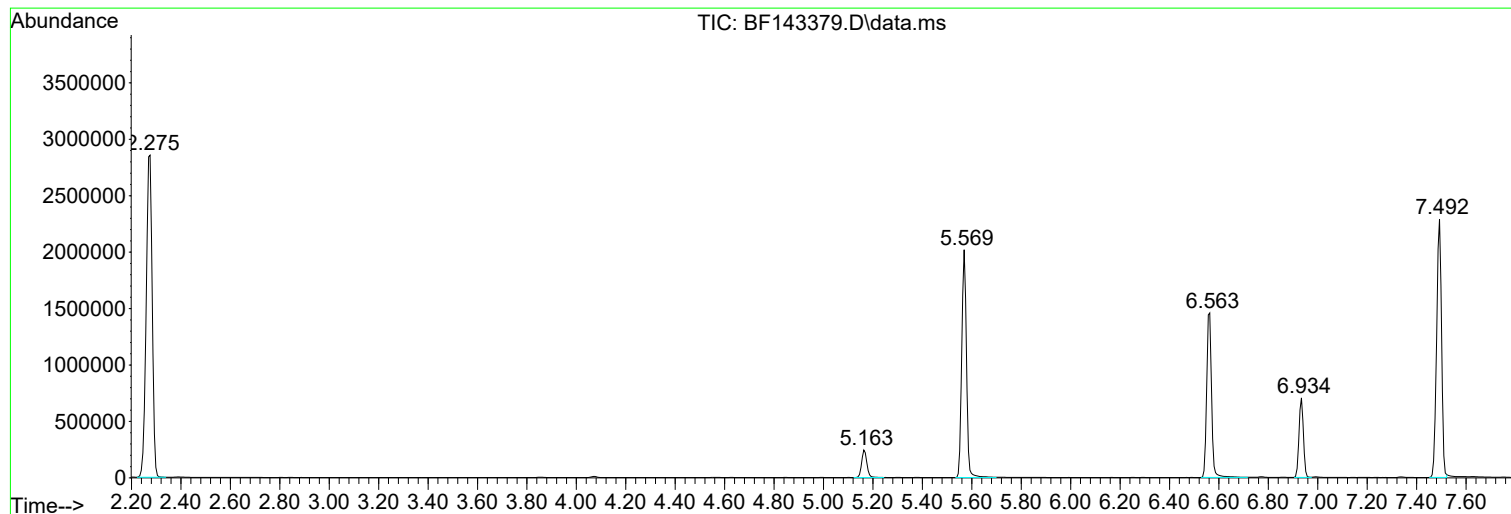
Sum of corrected areas: 32652907

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143379.D
Acq On : 14 Aug 2025 13:55
Operator : RC/JU
Sample : Q2814-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143379.D
Acq On : 14 Aug 2025 13:55
Operator : RC/JU
Sample : Q2814-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

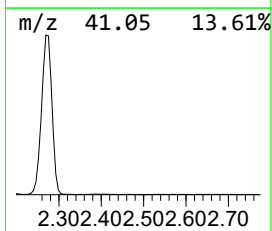
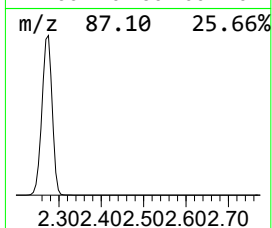
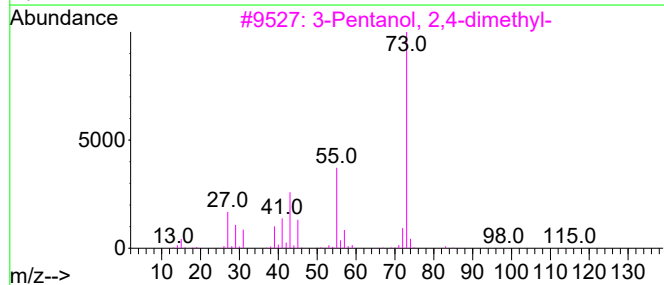
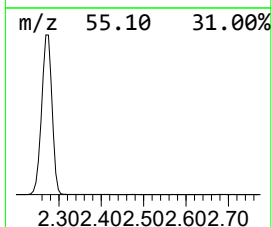
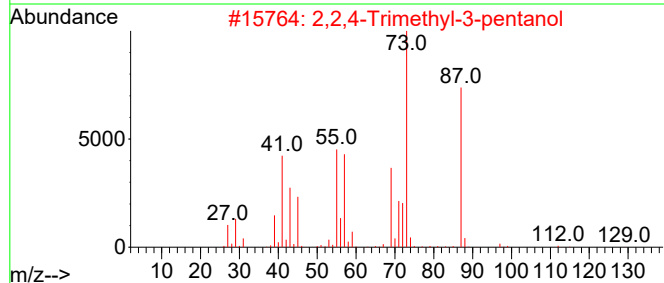
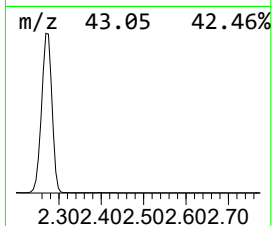
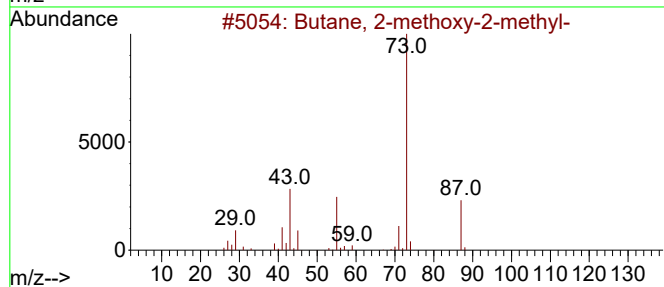
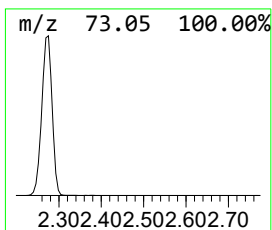
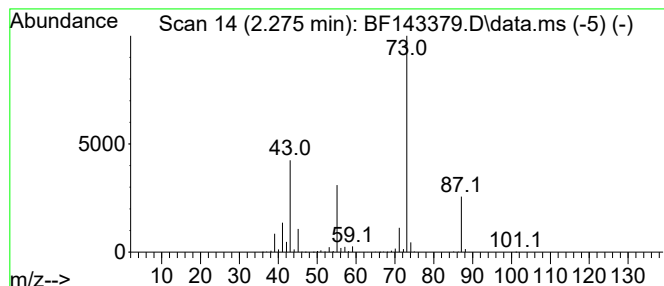
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.275	110.97 ng	4839590	1,4-Dichlorobenzene-d4	6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5		Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143379.D
Acq On : 14 Aug 2025 13:55
Operator : RC/JU
Sample : Q2814-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

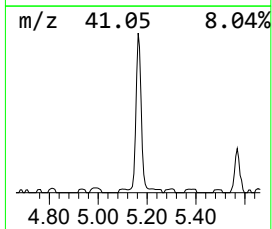
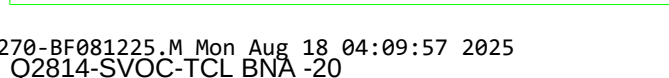
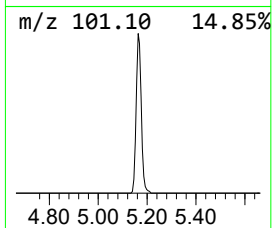
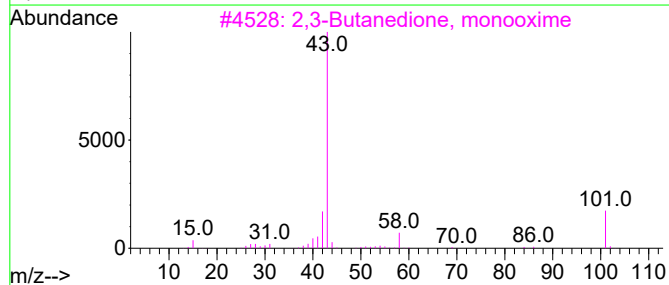
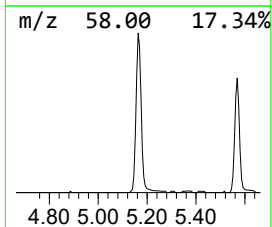
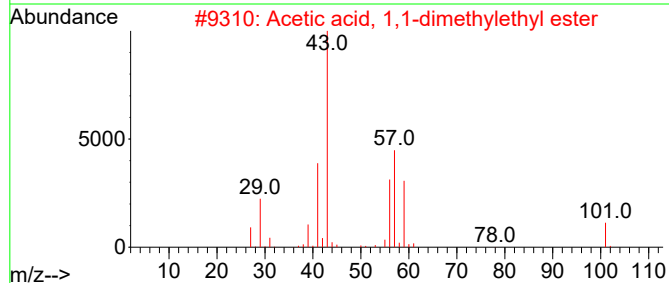
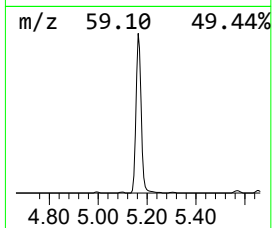
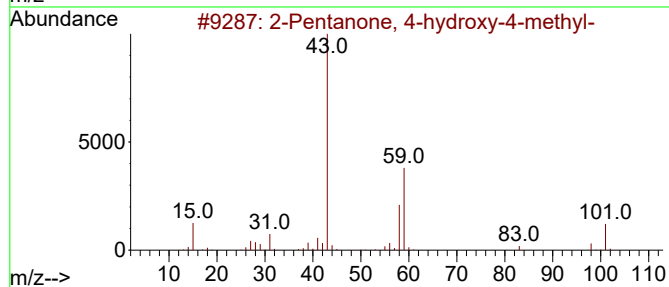
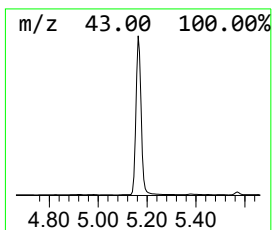
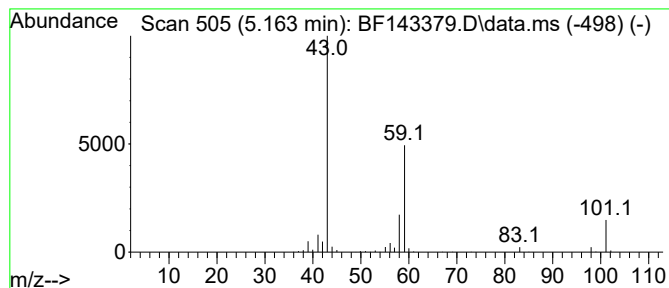
Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
5.163	8.28 ng	360975	1,4-Dichlorobenzene-d4		6.934	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...		116	C6H12O2	000540-88-5	28
3	2,3-Butanedione, monooxime		101	C4H7NO2	000057-71-6	16
4	1-Propen-2-ol, acetate		100	C5H8O2	000108-22-5	12
5	Acetone		58	C3H6O	000067-64-1	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143379.D
Acq On : 14 Aug 2025 13:55
Operator : RC/JU
Sample : Q2814-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

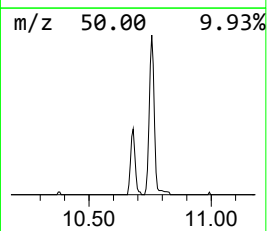
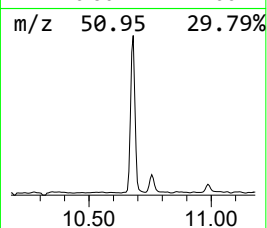
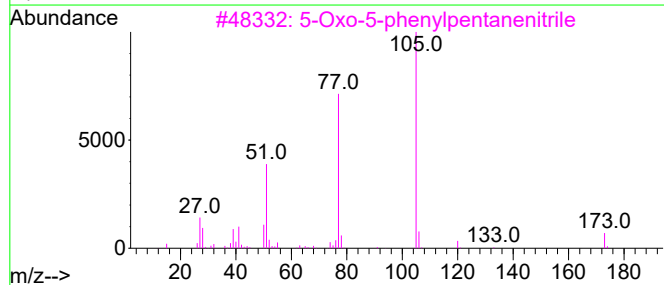
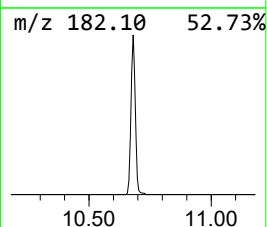
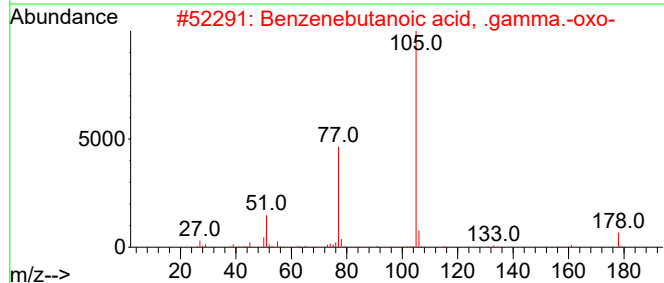
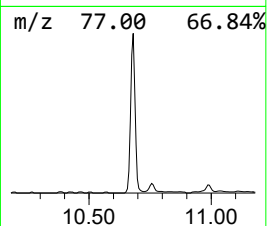
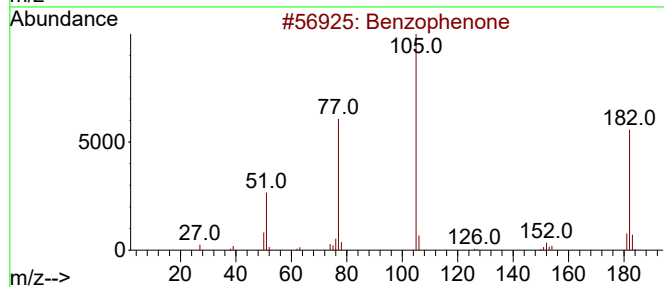
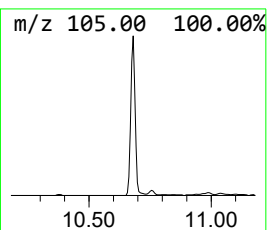
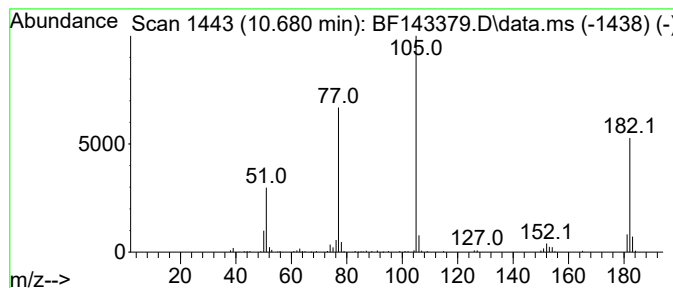
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	2.67 ng	171829	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50
3			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	50
4			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	50
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143379.D
Acq On : 14 Aug 2025 13:55
Operator : RC/JU
Sample : Q2814-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-84SB-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.275	111.0	ng	4839590	1	6.934	872271	20.0
2-Pentanone, 4-...	5.163	8.3	ng	360975	1	6.934	872271	20.0
Benzophenone	10.680	2.7	ng	171829	3	9.969	1285980	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143380.D	1	08/12/25 09:55	08/14/25 14:25	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.10	U	3.90	8.10	10.1	ug/L
108-95-2	Phenol	4.00	U	0.92	4.00	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.82	4.00	5.10	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.59	4.00	5.10	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.10	ug/L
98-86-2	Acetophenone	4.00	U	0.75	4.00	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.10	U	1.10	8.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.66	4.00	5.10	ug/L
98-95-3	Nitrobenzene	4.00	U	0.77	4.00	5.10	ug/L
78-59-1	Isophorone	4.00	U	0.76	4.00	5.10	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.69	4.00	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.53	4.00	5.10	ug/L
91-20-3	Naphthalene	4.00	U	0.51	4.00	5.10	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.85	4.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.55	4.00	5.10	ug/L
105-60-2	Caprolactam	8.10	U	1.10	8.10	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.60	4.00	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.57	4.00	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.10	U	3.70	8.10	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.52	4.00	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.63	4.00	5.10	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.54	4.00	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.62	4.00	5.10	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.10	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.62	4.00	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143380.D	1	08/12/25 09:55	08/14/25 14:25	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.76	4.00	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.93	4.00	5.10	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.10	ug/L
83-32-9	Acenaphthene	4.00	U	0.56	4.00	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.10	U	6.00	8.10	10.1	ug/L
100-02-7	4-Nitrophenol	8.10	U	2.40	8.10	10.1	ug/L
132-64-9	Dibenzofuran	4.00	U	0.62	4.00	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.10	ug/L
84-66-2	Diethylphthalate	4.00	U	0.70	4.00	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.69	4.00	5.10	ug/L
86-73-7	Fluorene	4.00	U	0.64	4.00	5.10	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.10	U	2.90	8.10	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.59	4.00	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.10	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.10	ug/L
87-86-5	Pentachlorophenol	8.10	U	1.60	8.10	10.1	ug/L
85-01-8	Phenanthrene	4.00	U	0.51	4.00	5.10	ug/L
120-12-7	Anthracene	4.00	U	0.62	4.00	5.10	ug/L
86-74-8	Carbazole	4.00	U	0.73	4.00	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.10	ug/L
206-44-0	Fluoranthene	4.00	U	0.83	4.00	5.10	ug/L
129-00-0	Pyrene	4.00	U	0.51	4.00	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.10	U	0.94	8.10	10.1	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.10	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.10	U	2.40	8.10	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143380.D	1	08/12/25 09:55	08/14/25 14:25	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.56	4.00	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.60	4.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.68	4.00	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.70	4.00	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.73	4.00	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	61.0		19 - 119	41%	SPK: 150
13127-88-3	Phenol-d6	42.6		10 - 130	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	105		44 - 120	105%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.4		44 - 119	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		43 - 140	98%	SPK: 150
1718-51-0	Terphenyl-d14	98.9		50 - 134	99%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	148000	6.934
1146-65-2	Naphthalene-d8	580000	8.216
15067-26-2	Acenaphthene-d10	307000	9.969
1517-22-2	Phenanthrene-d10	472000	11.457
1719-03-5	Chrysene-d12	277000	14.098
1520-96-3	Perylene-d12	297000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	100	JB	2.27	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.90	AB	5.16	ug/L
000119-61-9	Benzophenone	6.80	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	5.00	J	12.0	ug/L
959085-66-6	Heptadecyl heptafluorobutyrate	4.00	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143380.D	1	08/12/25 09:55	08/14/25 14:25	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

Quant Time: Aug 14 14:45:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	147922	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	579548	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	306866	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	472081	20.000	ng	0.00
76) Chrysene-d12	14.098	240	277273	20.000	ng	0.00
86) Perylene-d12	15.592	264	296651	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	521391	60.952	ng	0.00
7) Phenol-d6	6.557	99	467483	42.617	ng	0.00
23) Nitrobenzene-d5	7.492	82	981585	105.473	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	330009	147.152	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1671589	92.373	ng	0.00
79) Terphenyl-d14	13.039	244	1535219	98.851	ng	0.00

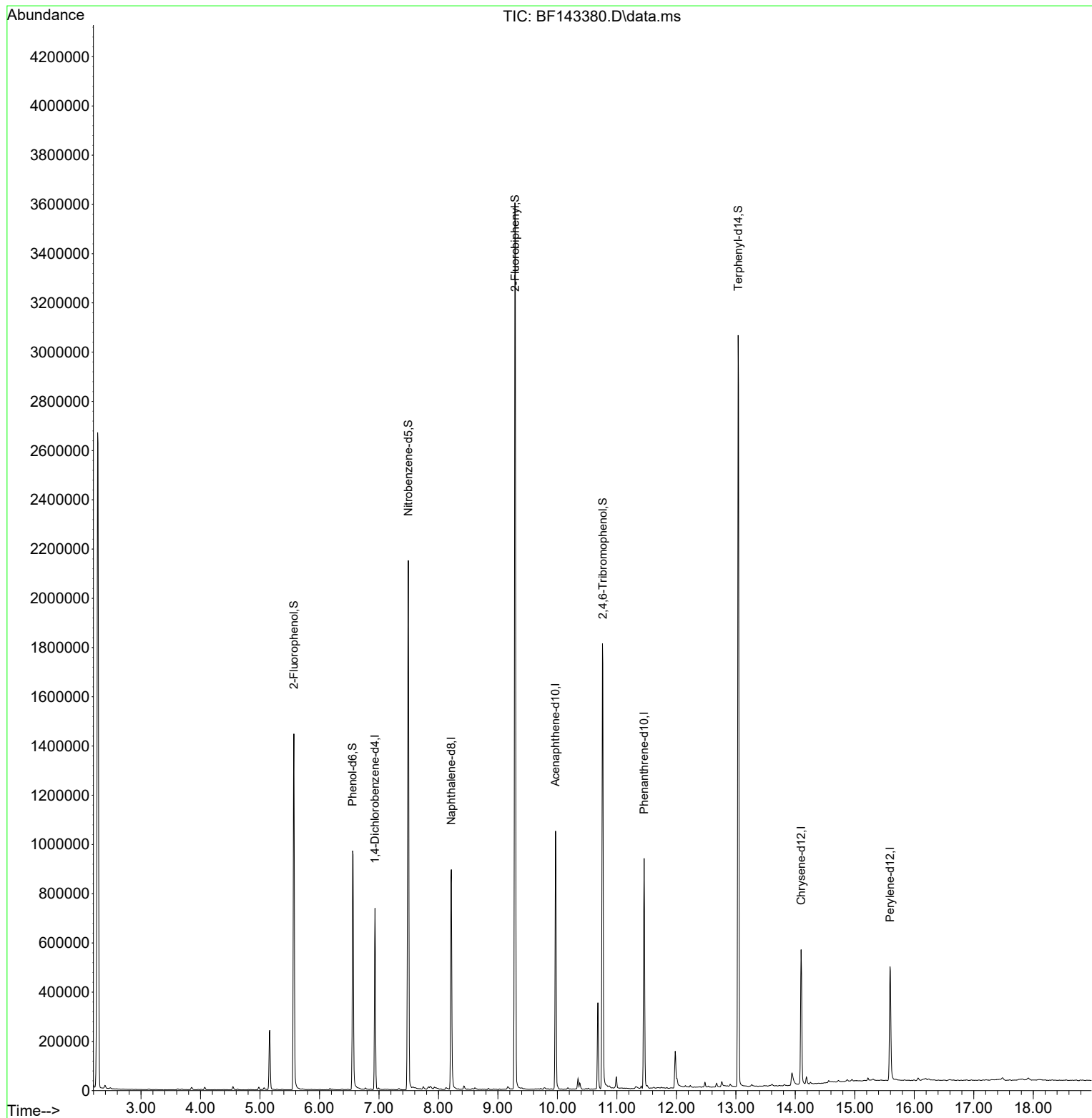
Target Compounds	Qvalue
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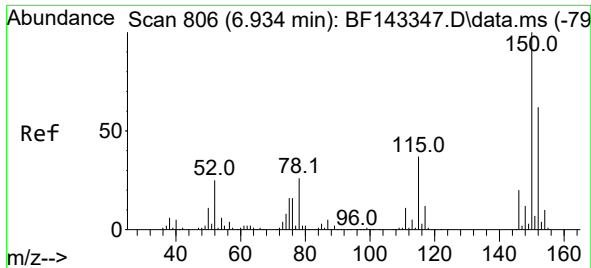
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

Quant Time: Aug 14 14:45:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

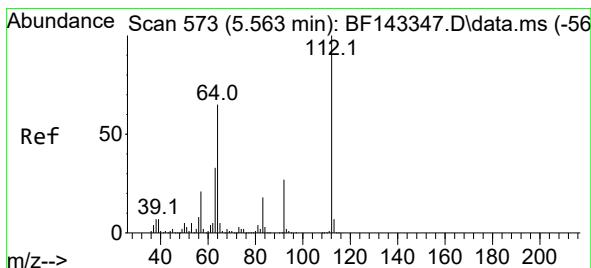
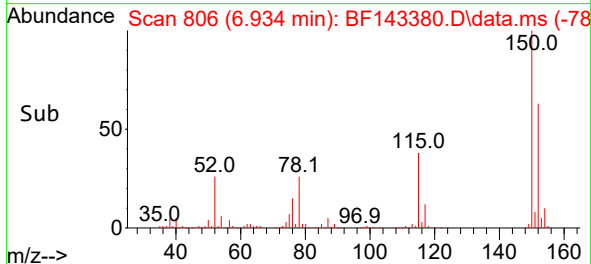
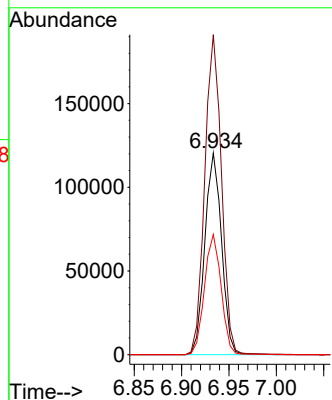
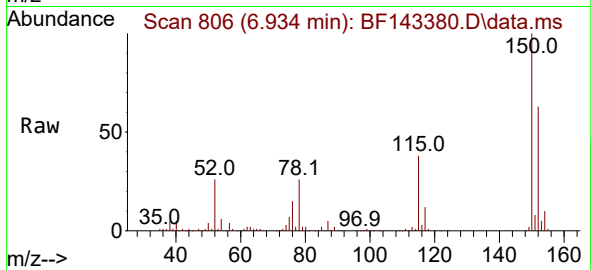




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

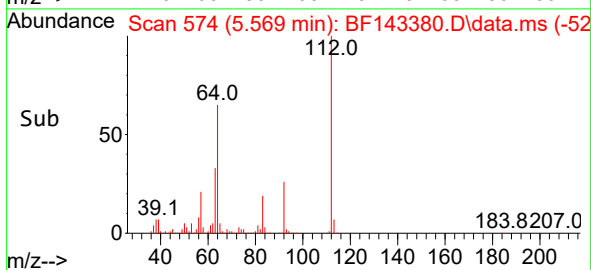
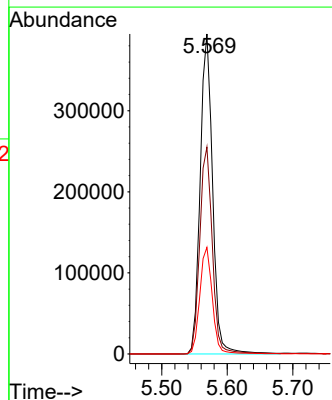
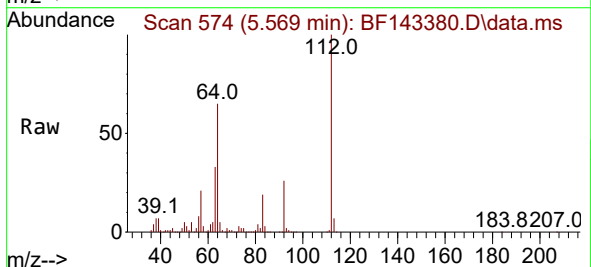
Instrument :
BNA_F
ClientSampleId :
TW-17M-N

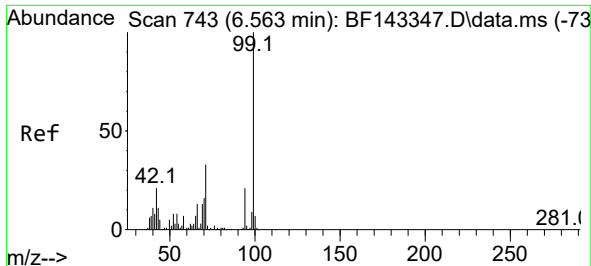
Tgt Ion:152 Resp: 147922
Ion Ratio Lower Upper
152 100
150 158.6 129.8 194.8
115 59.6 47.8 71.8



#5
2-Fluorophenol
Concen: 60.952 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion:112 Resp: 521391
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 33.3 26.6 39.8

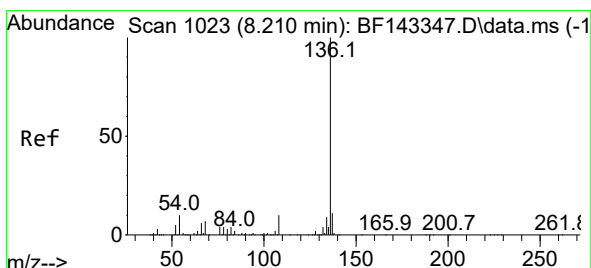
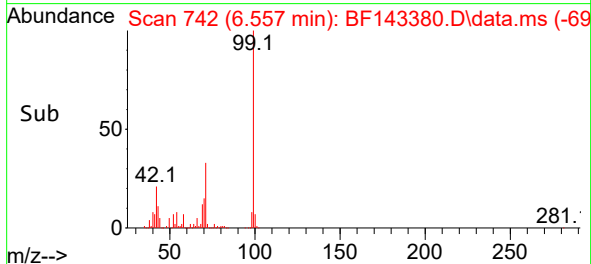
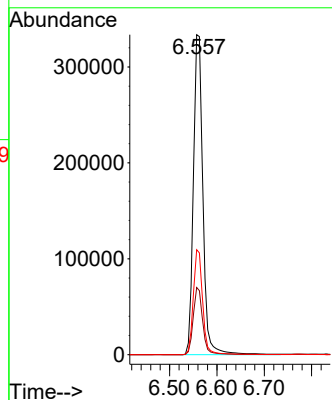
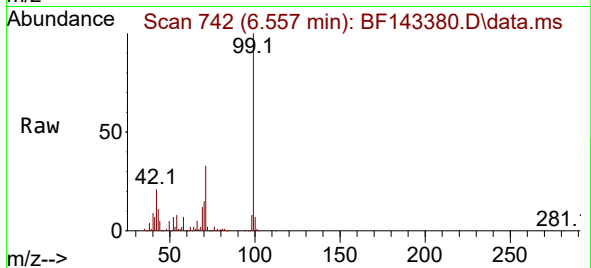




#7
Phenol-d6
Concen: 42.617 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

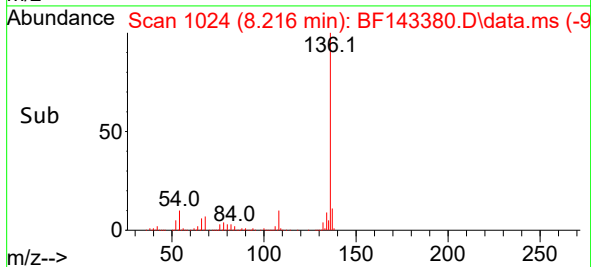
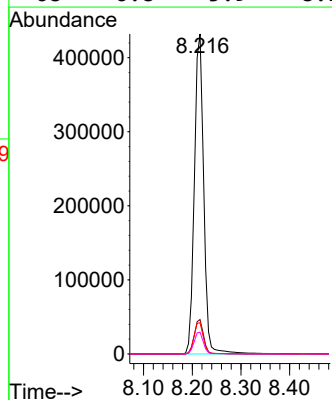
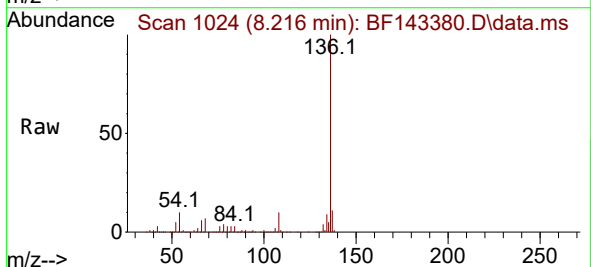
Instrument :
BNA_F
ClientSampleId :
TW-17M-N

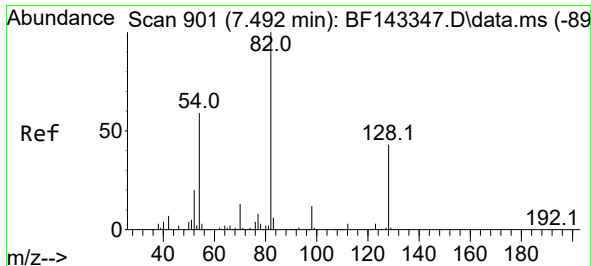
Tgt Ion: 99 Resp: 467483
Ion Ratio Lower Upper
99 100
42 21.0 16.6 25.0
71 32.8 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion: 136 Resp: 579548
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.7 8.4 12.6
68 6.8 5.9 8.9





#23

Nitrobenzene-d5

Concen: 105.473 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TW-17M-N

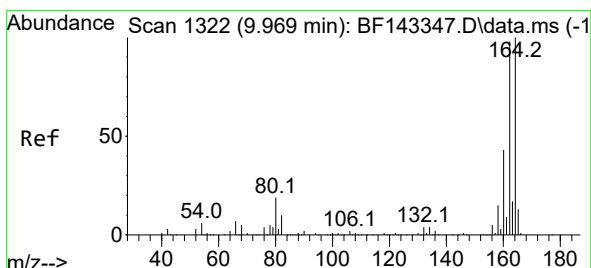
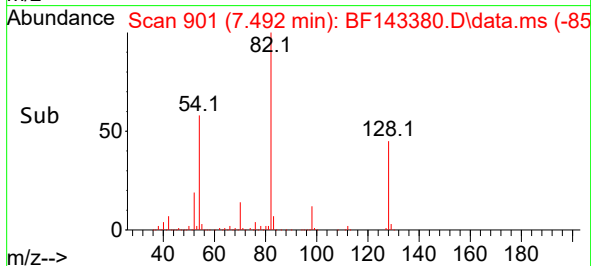
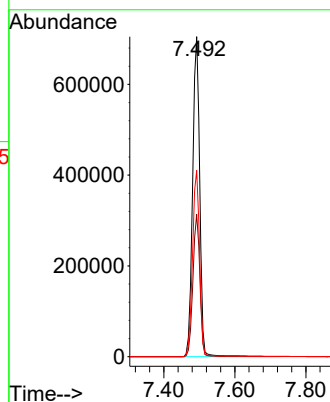
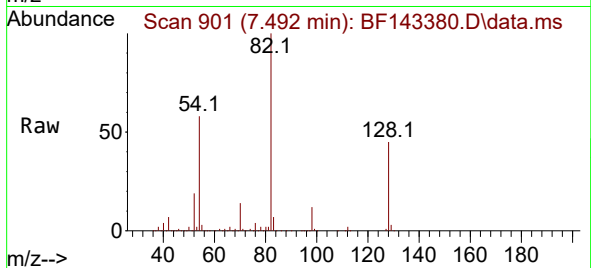
Tgt Ion: 82 Resp: 981585

Ion Ratio Lower Upper

82 100

128 44.5 33.5 50.3

54 58.2 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

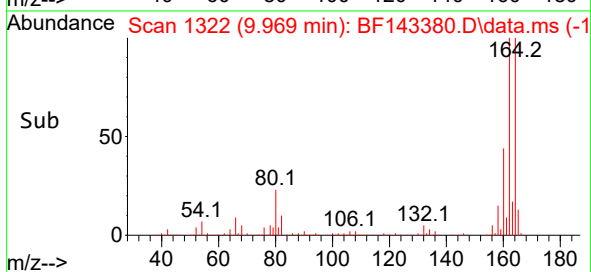
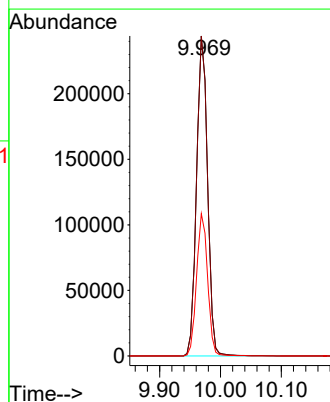
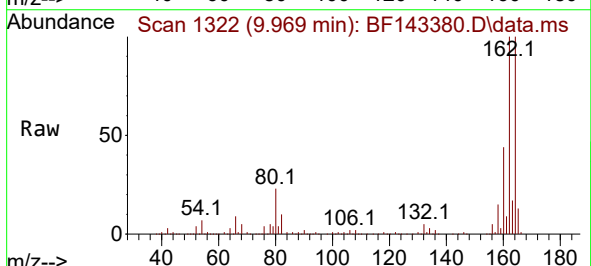
Tgt Ion: 164 Resp: 306866

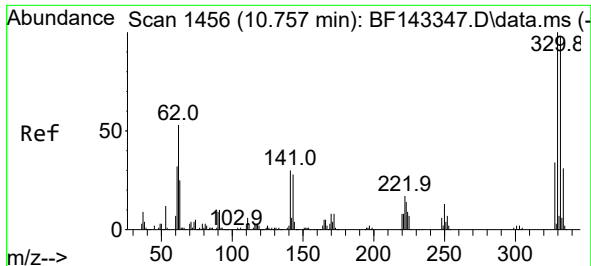
Ion Ratio Lower Upper

164 100

162 99.9 78.6 118.0

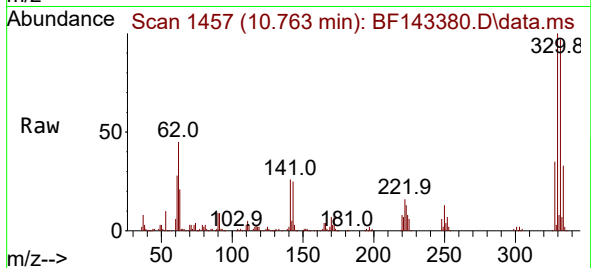
160 44.5 34.4 51.6



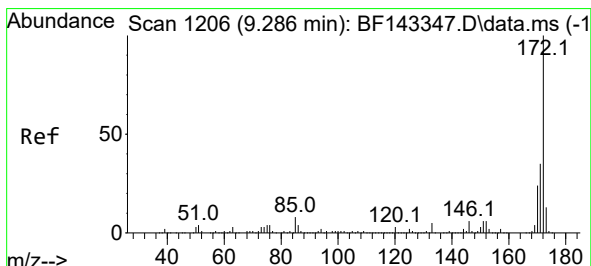
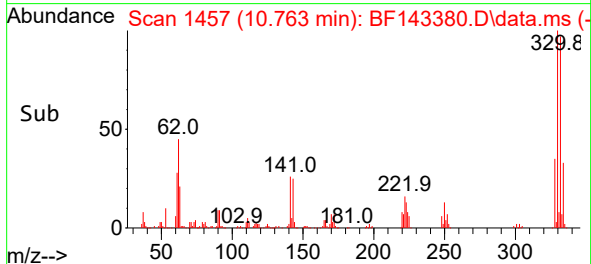
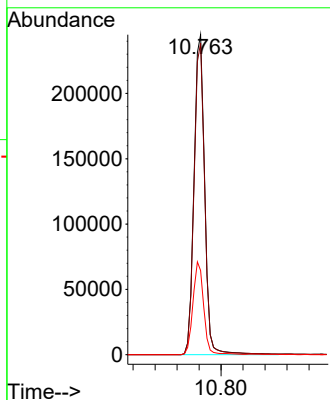


#42
2,4,6-Tribromophenol
Concen: 147.152 ng
RT: 10.763 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

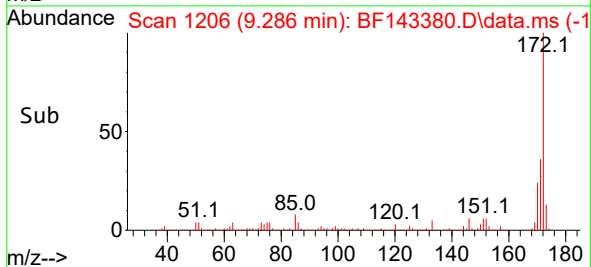
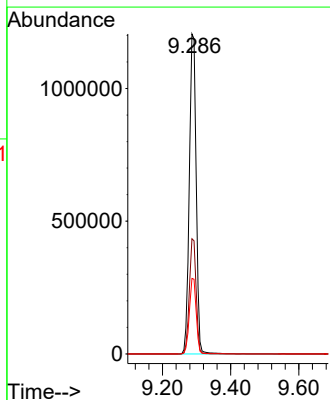
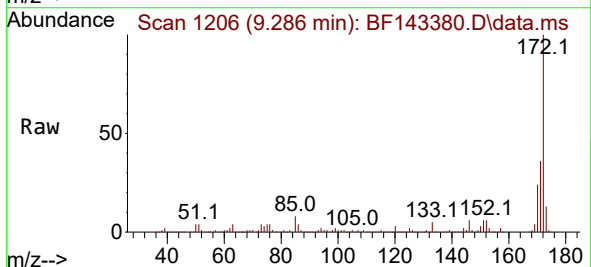


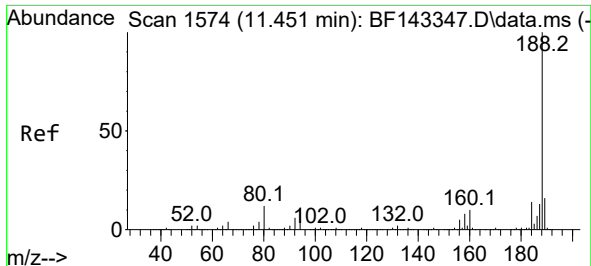
Tgt Ion:330 Resp: 330009
Ion Ratio Lower Upper
330 100
332 97.2 78.1 117.1
141 29.2 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 92.373 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion:172 Resp: 1671589
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 23.6 19.1 28.7

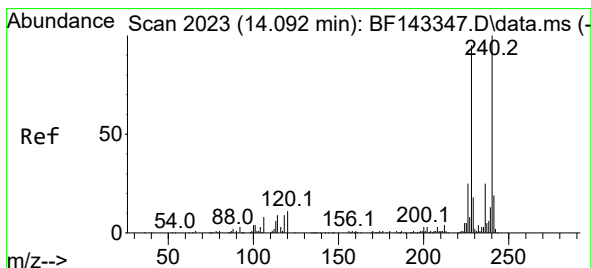
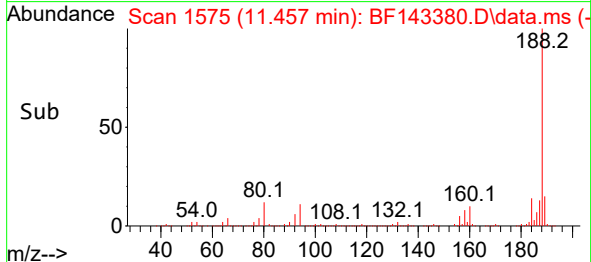
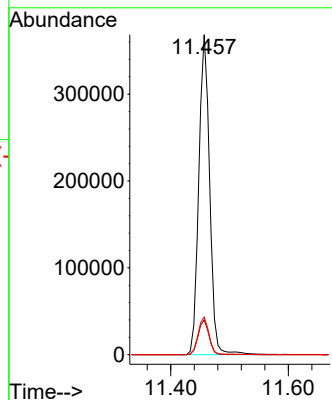
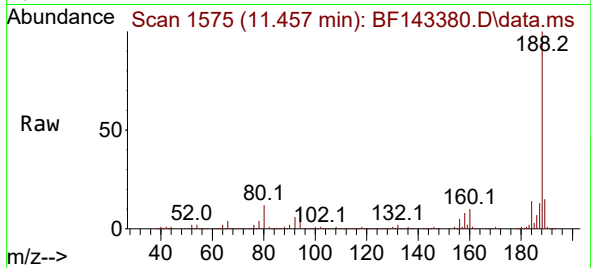




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

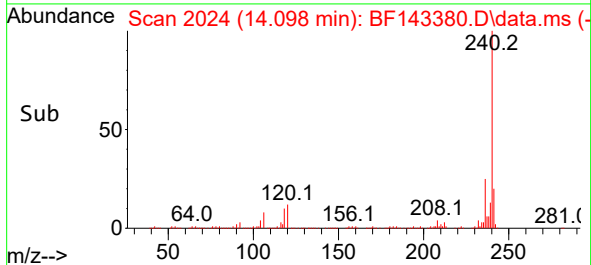
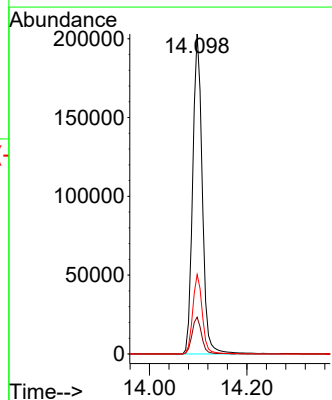
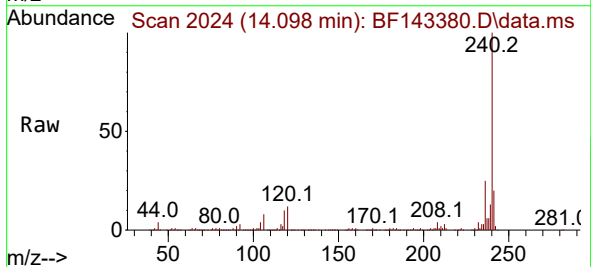
Instrument :
BNA_F
ClientSampleId :
TW-17M-N

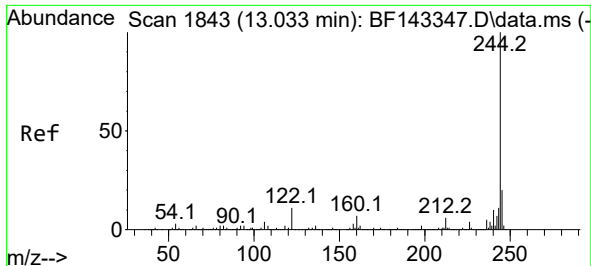
Tgt Ion:188 Resp: 472081
Ion Ratio Lower Upper
188 100
94 10.8 8.8 13.2
80 11.7 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion:240 Resp: 277273
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.6
236 24.8 19.9 29.9

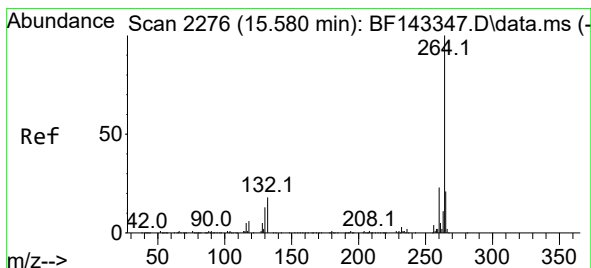
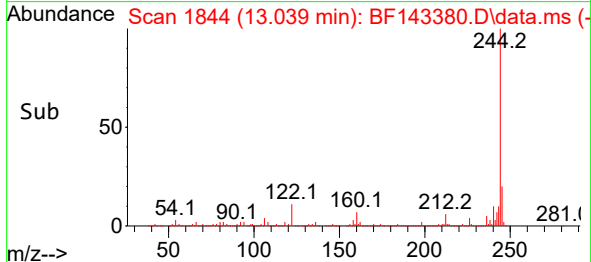
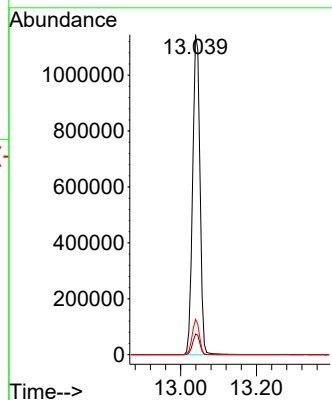
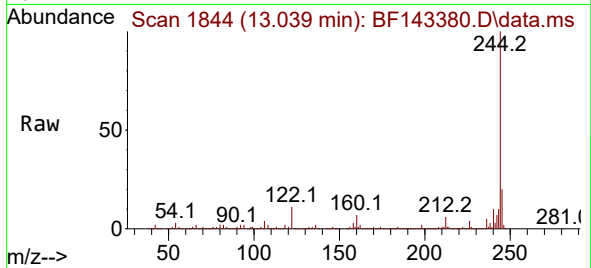




#79
 Terphenyl-d14
 Concen: 98.851 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143380.D
 Acq: 14 Aug 2025 14:25

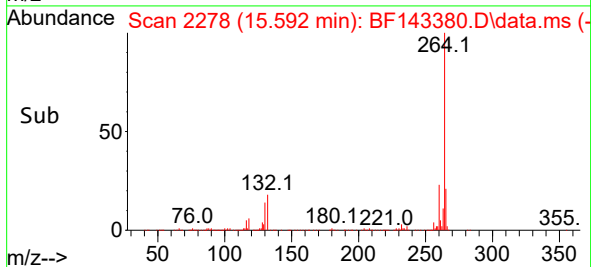
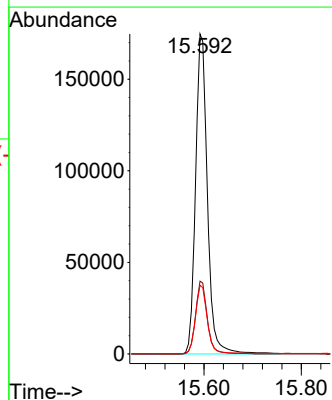
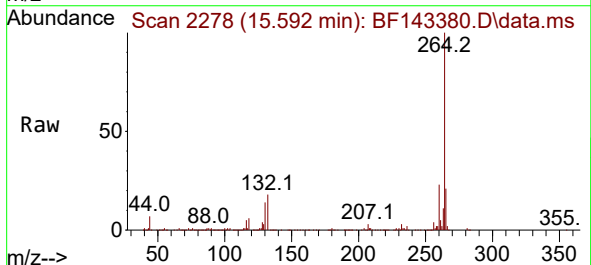
Instrument :
 BNA_F
 ClientSampleId :
 TW-17M-N

Tgt Ion:244 Resp: 1535219
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 11.1 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143380.D
 Acq: 14 Aug 2025 14:25

Tgt Ion:264 Resp: 296651
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.7 28.1
 265 21.5 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143380.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.269	5	13	23	rVB	2662733	4482939	90.94%	15.081%
2	5.163	498	505	522	rVB	241654	355222	7.21%	1.195%
3	5.569	568	574	593	rBV	1445813	1925355	39.06%	6.477%
4	6.557	737	742	767	rBV	969545	1379008	27.98%	4.639%
5	6.934	801	806	813	rBV	736787	905104	18.36%	3.045%
6	7.492	894	901	906	rBV	2150220	2941847	59.68%	9.897%
7	8.216	1018	1024	1041	rBV	891920	1240176	25.16%	4.172%
8	9.286	1200	1206	1223	rBV	3600364	4929352	100.00%	16.583%
9	9.969	1317	1322	1327	rBV	1048317	1310564	26.59%	4.409%
10	10.345	1381	1386	1389	rBV	41736	53294	1.08%	0.179%
11	10.680	1438	1443	1451	rBV	349768	439990	8.93%	1.480%
12	10.757	1451	1456	1472	rBV	1808415	2504201	50.80%	8.424%
13	10.992	1489	1496	1503	rVB	45125	63664	1.29%	0.214%
14	11.457	1570	1575	1582	rBV	933723	1190754	24.16%	4.006%
15	11.980	1659	1664	1681	rBV2	149998	293586	5.96%	0.988%
16	13.039	1838	1844	1859	rBV	3051591	4058117	82.33%	13.652%
17	13.945	1992	1998	2013	rBV2	50414	143286	2.91%	0.482%
18	14.098	2019	2024	2035	rVB	543918	724943	14.71%	2.439%
19	15.592	2272	2278	2291	rBV	463105	784366	15.91%	2.639%

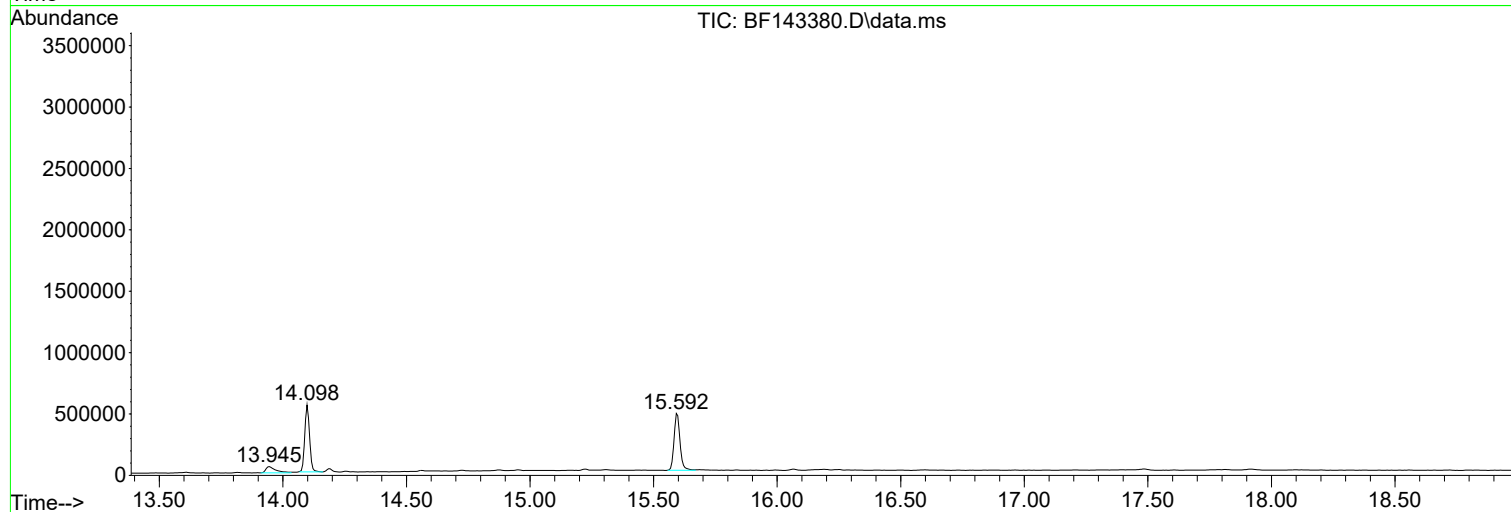
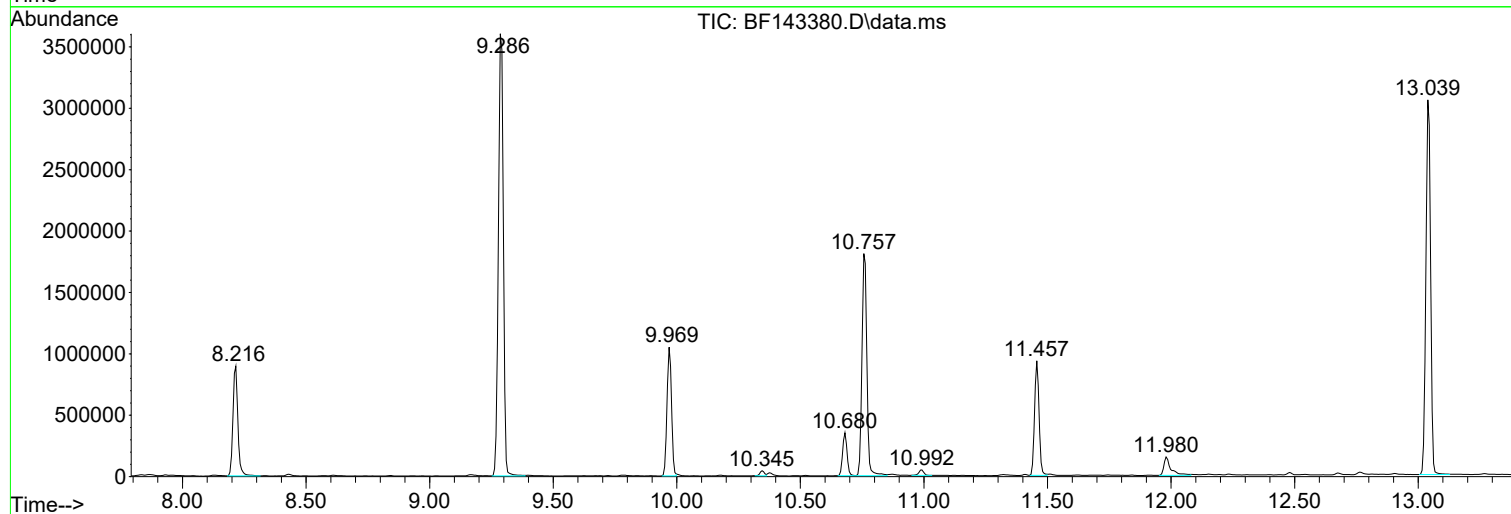
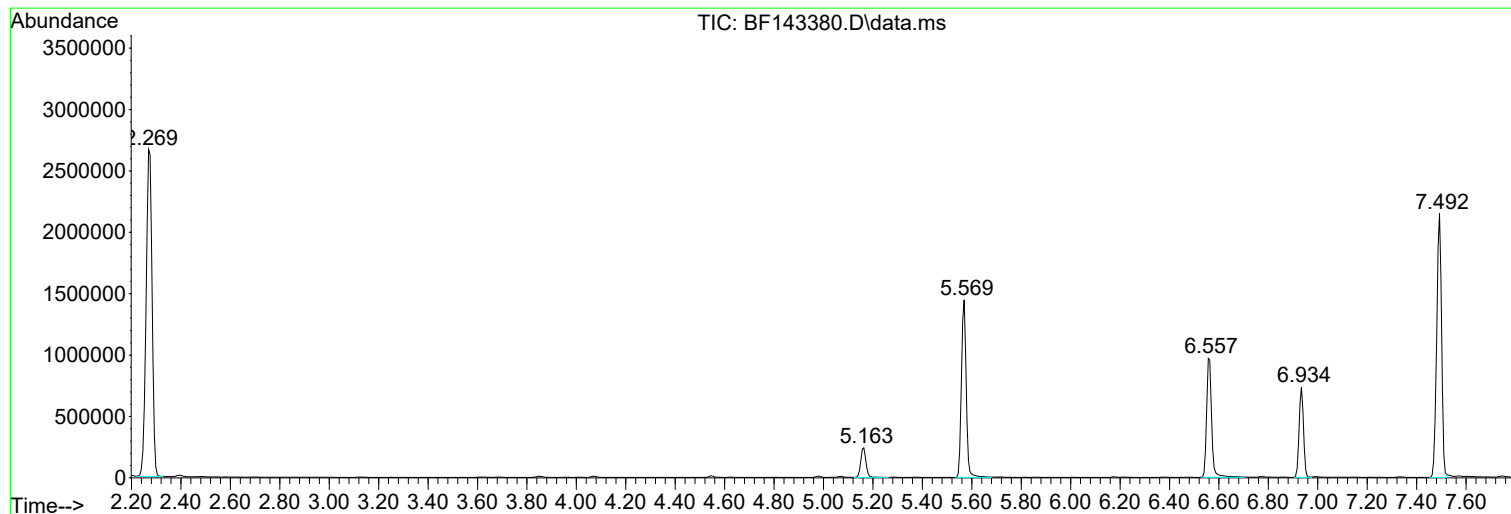
Sum of corrected areas: 29725768

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

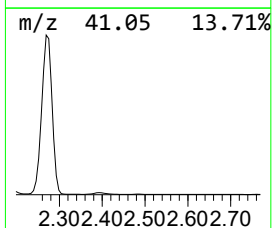
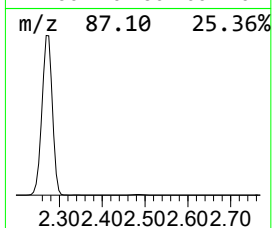
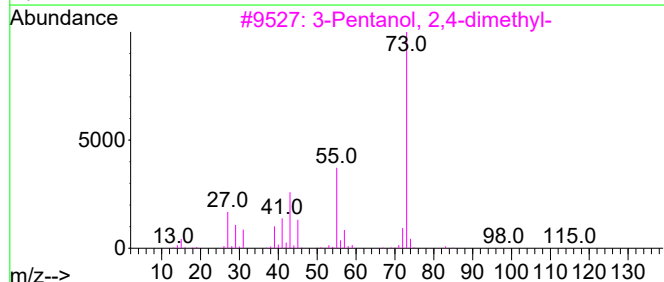
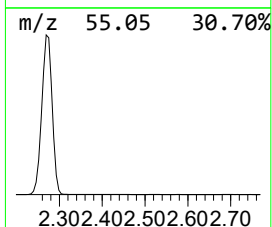
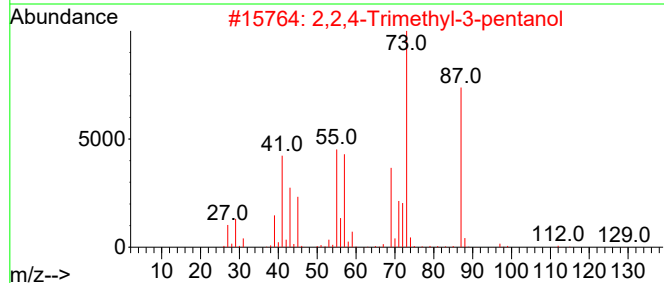
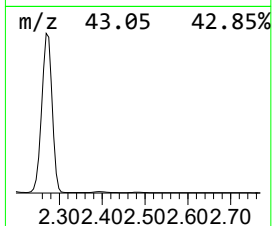
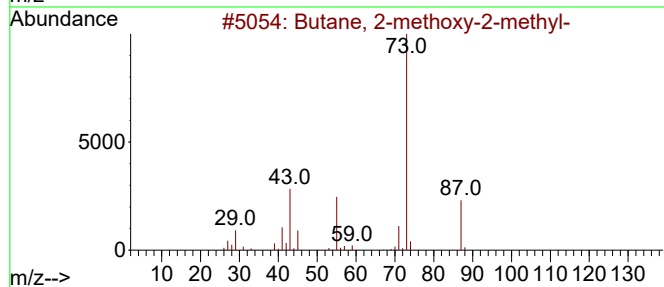
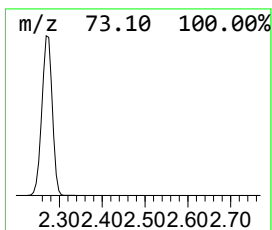
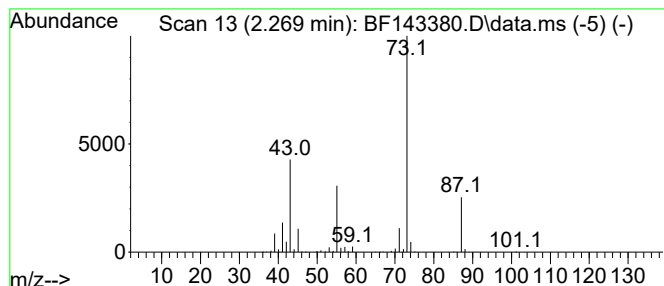
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.269	99.06 ng	4482940	1,4-Dichlorobenzene-d4	6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5		Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

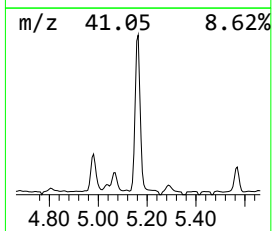
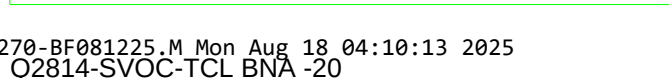
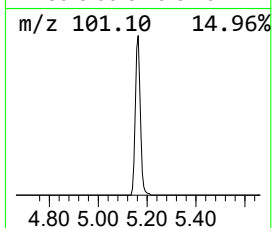
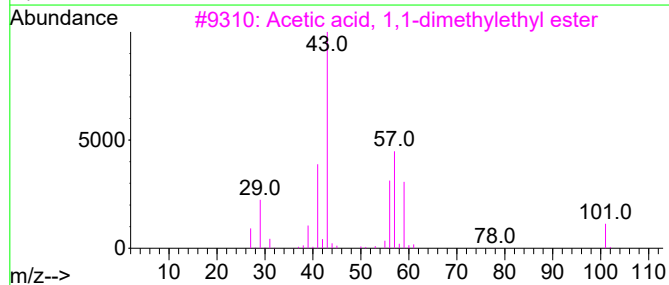
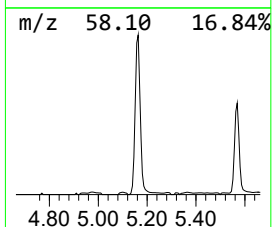
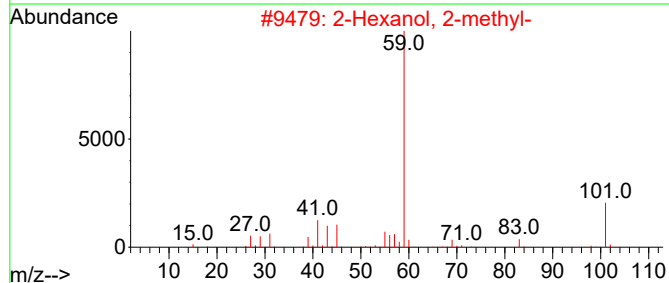
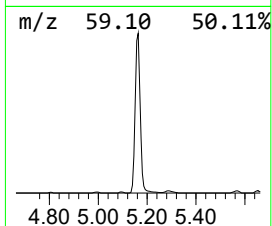
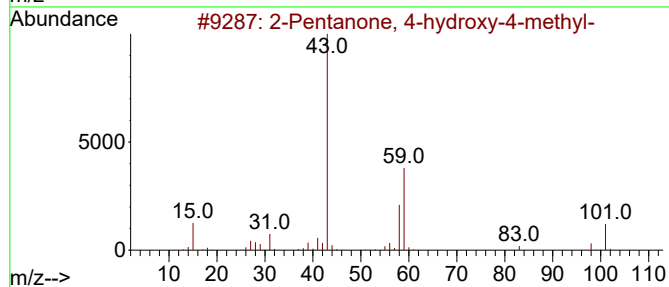
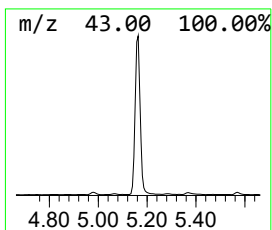
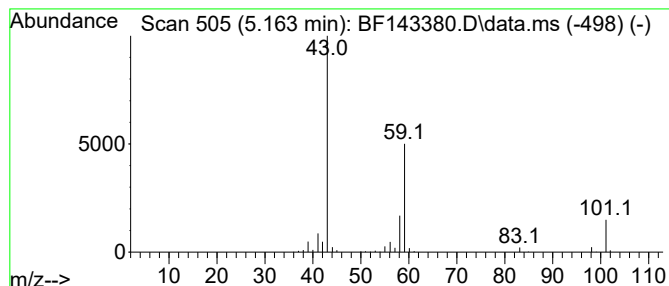
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.163	7.85 ng	355222	1,4-Dichlorobenzene-d4	6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

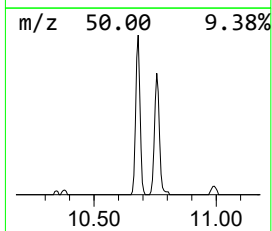
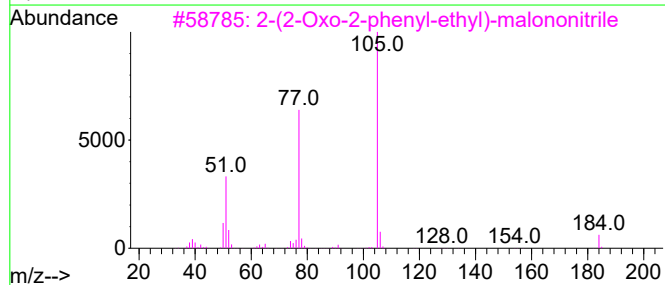
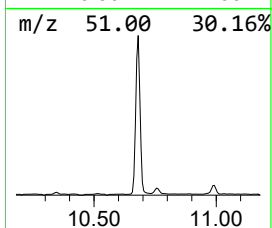
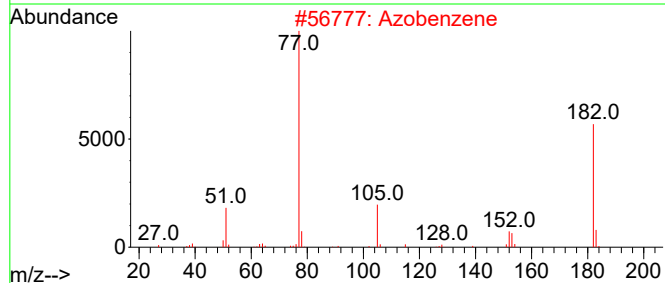
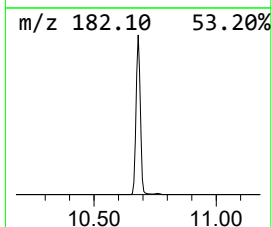
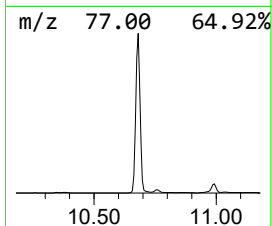
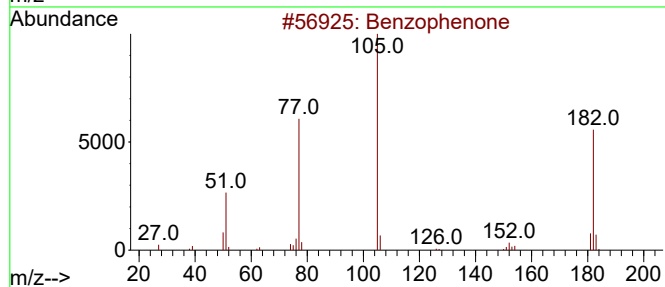
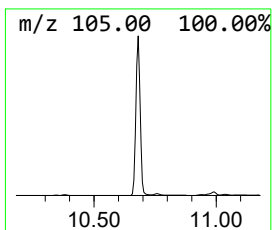
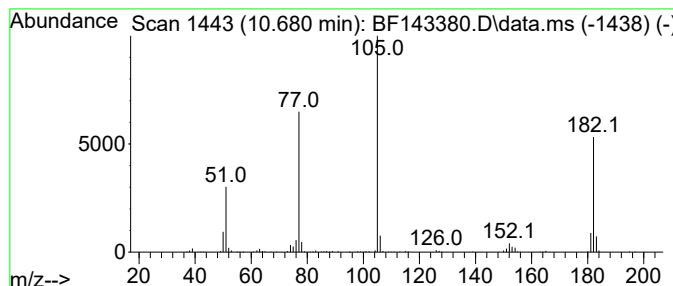
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	6.71 ng	439990	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	58
3			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	58
4			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	50
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

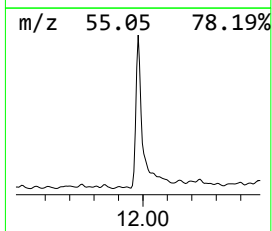
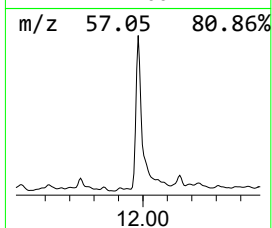
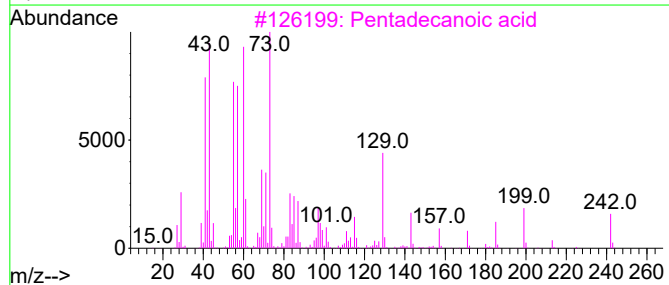
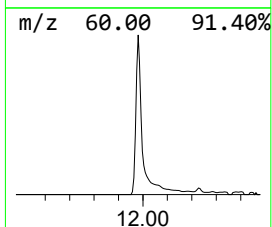
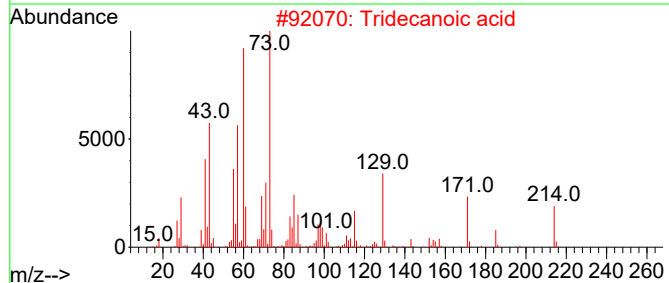
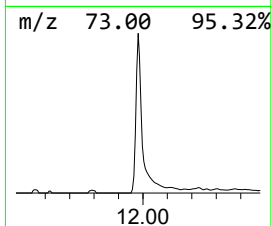
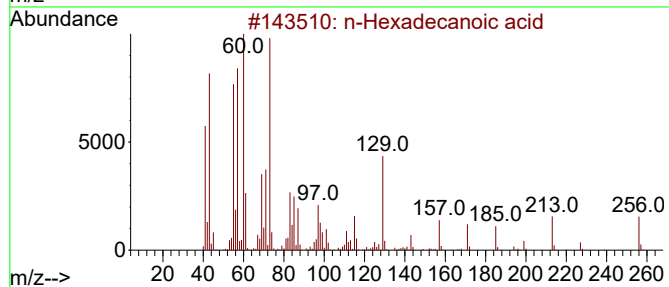
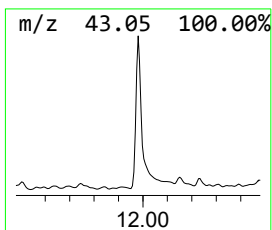
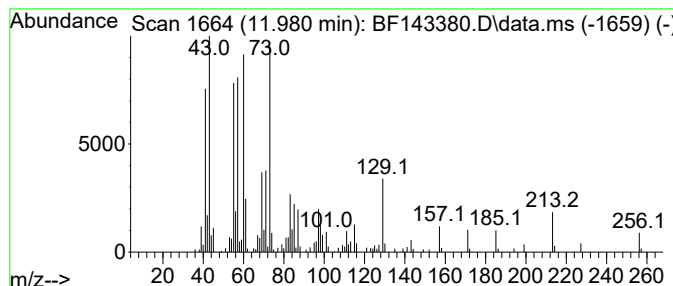
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	4.93 ng	293586	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	91
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5			Undecanoic acid	186	C11H22O2	000112-37-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

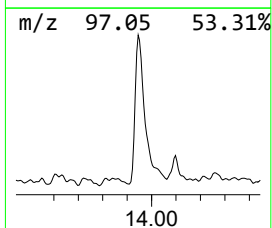
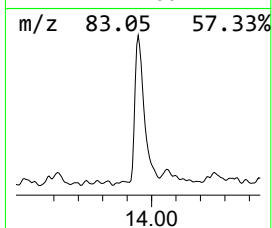
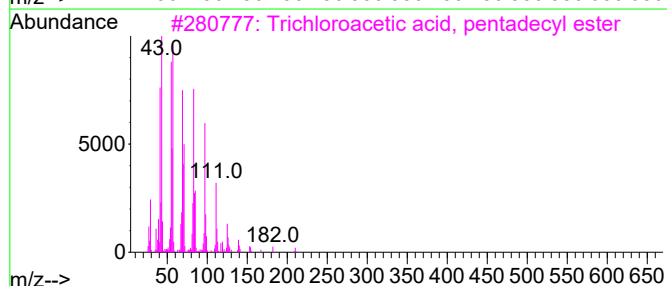
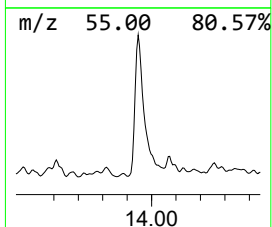
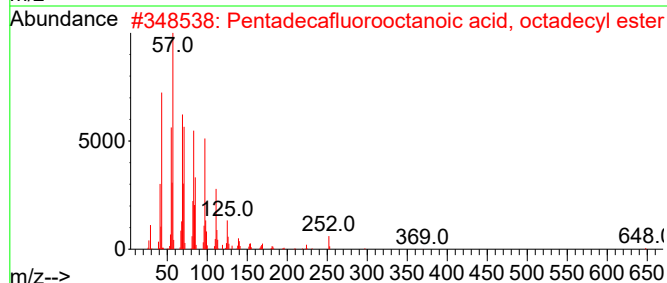
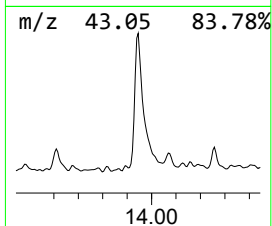
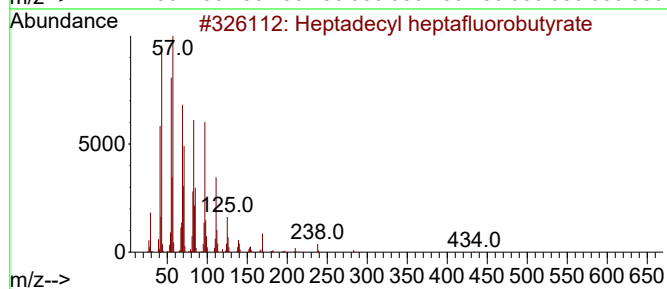
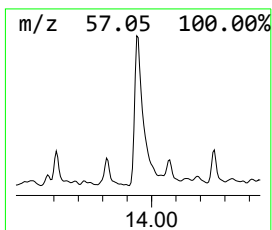
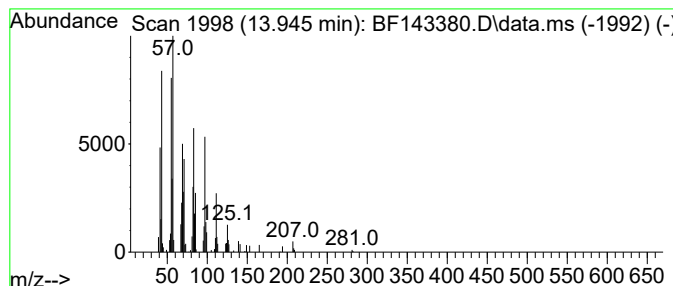
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Heptadecyl heptafluorobutyrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.945	3.95 ng	143286	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
3			Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	93
4			Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91
5			n-Tetracosanol-1	354	C24H50O	000506-51-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143380.D
Acq On : 14 Aug 2025 14:25
Operator : RC/JU
Sample : Q2814-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.269	99.1	ng	4482940	1	6.934	905104	20.0
2-Pentanone, 4-...	5.163	7.8	ng	355222	1	6.934	905104	20.0
Benzophenone	10.680	6.7	ng	439990	3	9.969	1310560	20.0
n-Hexadecanoic ...	11.980	4.9	ng	293586	4	11.457	1190750	20.0
Heptadecyl hept...	13.945	4.0	ng	143286	5	14.098	724943	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143381.D	1	08/12/25 09:55	08/14/25 14:55	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143381.D	1	08/12/25 09:55	08/14/25 14:55	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143381.D	1	08/12/25 09:55	08/14/25 14:55	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	89.0		19 - 119	59%	SPK: 150
13127-88-3	Phenol-d6	68.5		10 - 130	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	115		44 - 120	115%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		44 - 119	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	194		43 - 140	129%	SPK: 150
1718-51-0	Terphenyl-d14	110		50 - 134	110%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	152000	6.934
1146-65-2	Naphthalene-d8	588000	8.21
15067-26-2	Acenaphthene-d10	307000	9.969
1517-22-2	Phenanthrene-d10	468000	11.457
1719-03-5	Chrysene-d12	269000	14.098
1520-96-3	Perylene-d12	301000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	99.8	JB	2.28	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.50	AB	5.17	ug/L
000119-61-9	Benzophenone	6.50	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	5.40	J	12.0	ug/L
959085-66-6	Heptadecyl heptafluorobutyrate	4.30	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143381.D	1	08/12/25 09:55	08/14/25 14:55	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-W

Quant Time: Aug 14 15:16:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	152471	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	588451	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	306946	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	467839	20.000	ng	0.00
76) Chrysene-d12	14.098	240	268746	20.000	ng	0.00
86) Perylene-d12	15.592	264	301101	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	784325	88.955	ng	0.00
7) Phenol-d6	6.563	99	774788	68.524	ng	0.00
23) Nitrobenzene-d5	7.492	82	1083323	114.644	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	434351	193.628	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1810980	100.049	ng	0.00
79) Terphenyl-d14	13.039	244	1663007	110.477	ng	0.00

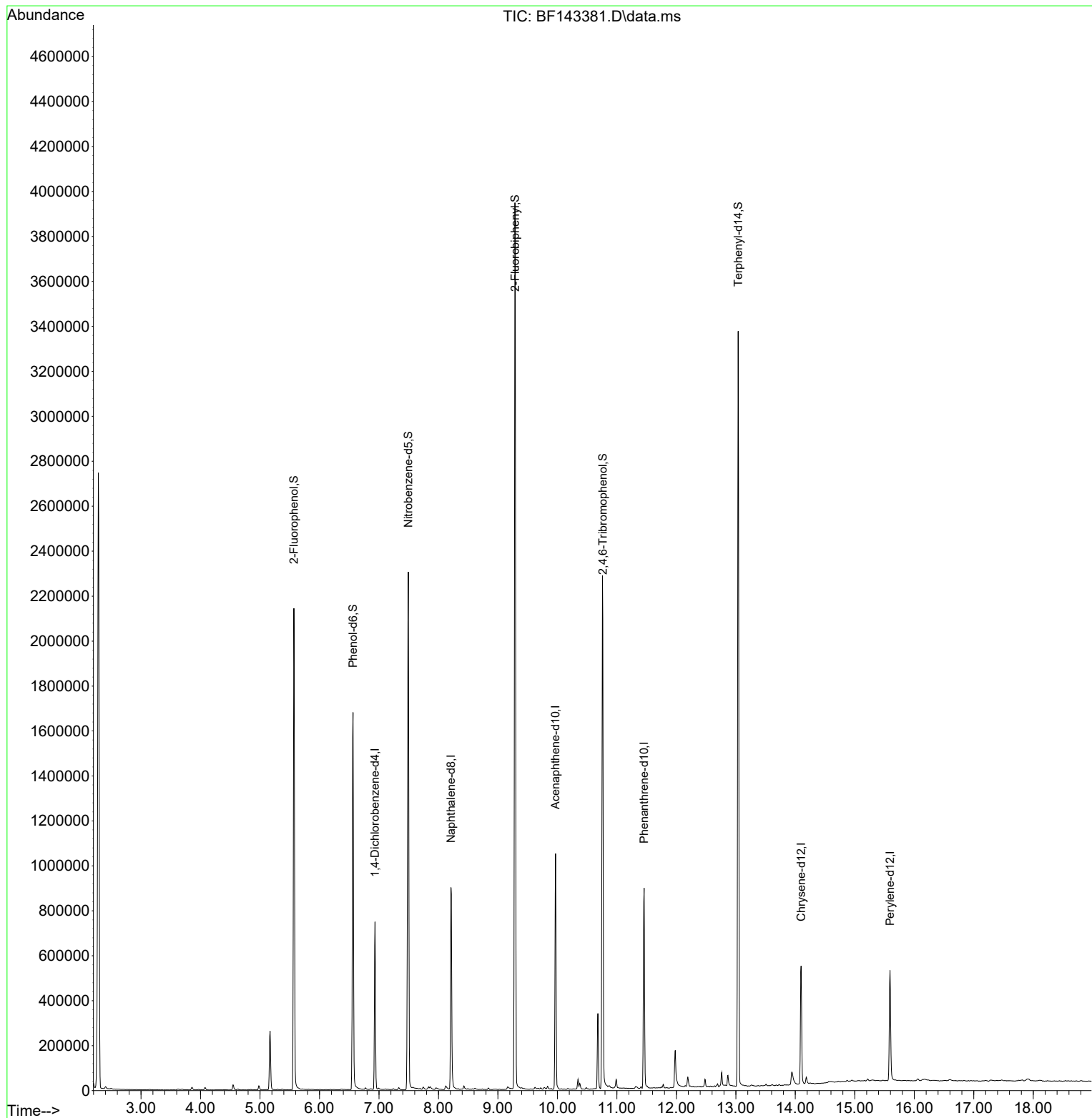
Target Compounds	Qvalue
------------------	--------

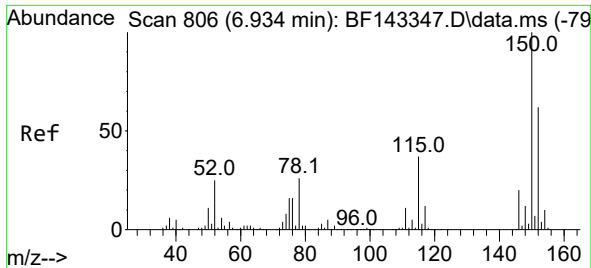
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-W

Quant Time: Aug 14 15:16:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

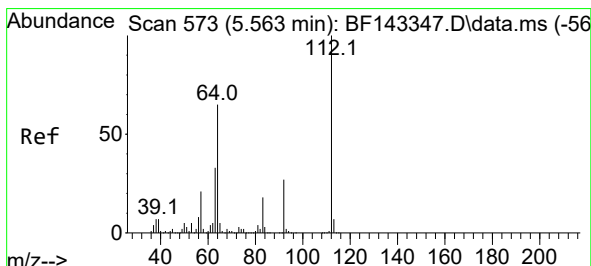
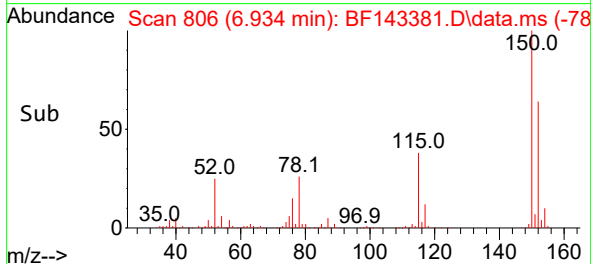
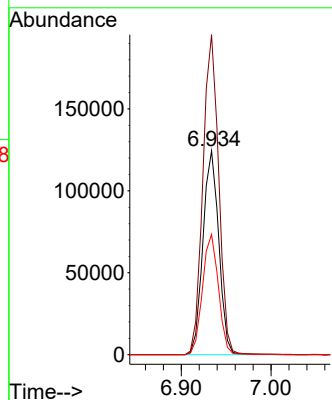
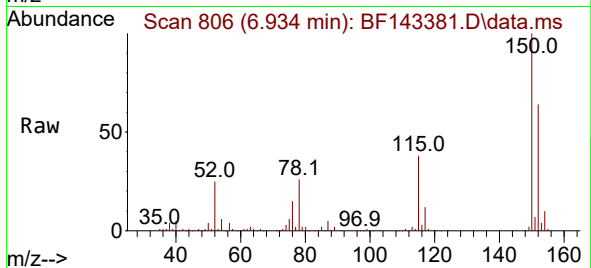




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

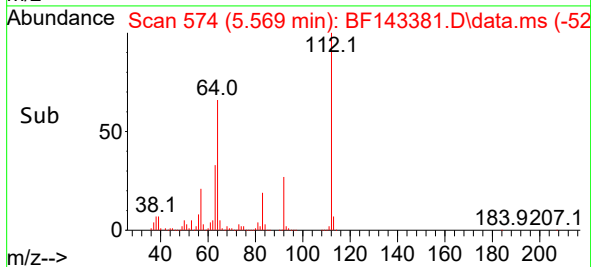
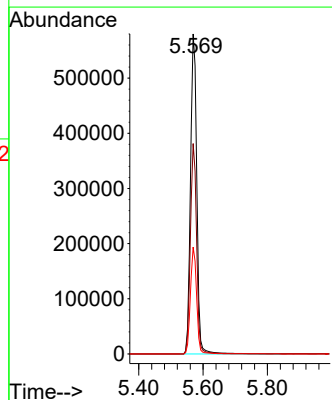
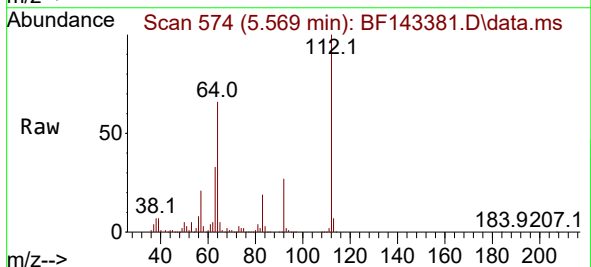
Instrument :
BNA_F
ClientSampleId :
TW-17M-W

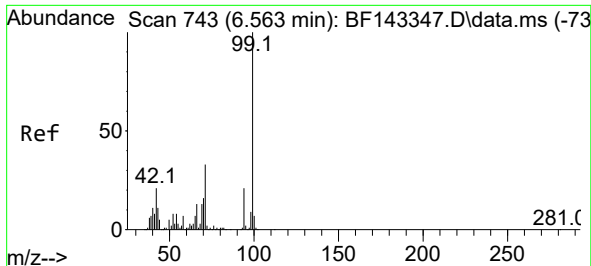
Tgt Ion:152 Resp: 152471
Ion Ratio Lower Upper
152 100
150 156.9 129.8 194.8
115 59.0 47.8 71.8



#5
2-Fluorophenol
Concen: 88.955 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion:112 Resp: 784325
Ion Ratio Lower Upper
112 100
64 65.7 52.1 78.1
63 33.4 26.6 39.8

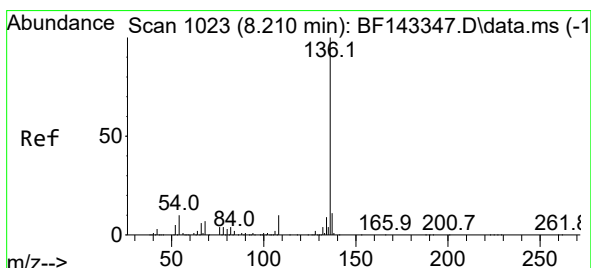
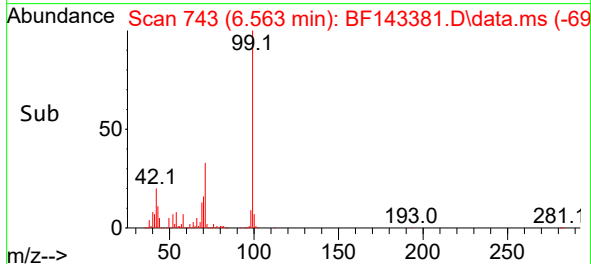
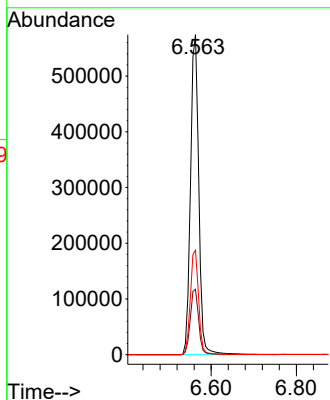
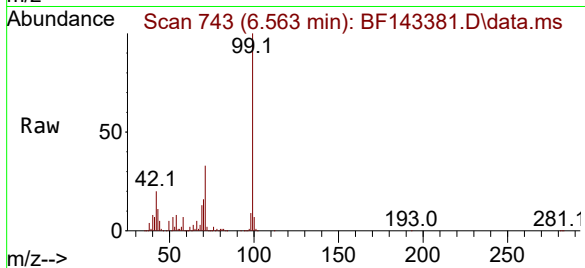




#7
Phenol-d6
Concen: 68.524 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

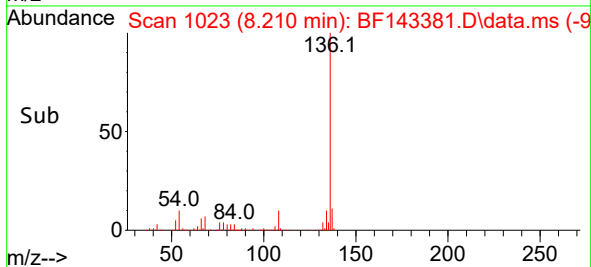
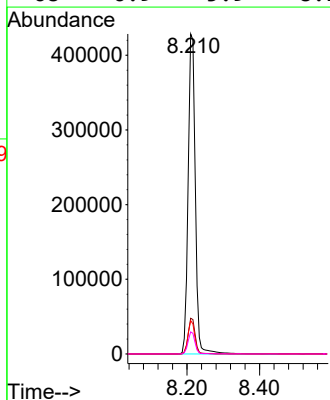
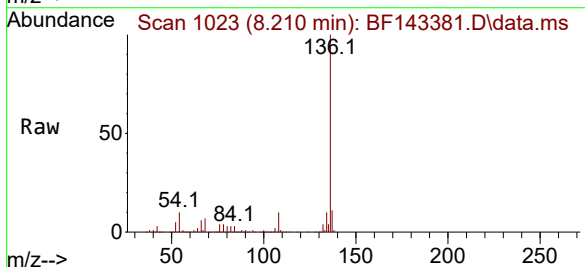
Instrument :
BNA_F
ClientSampleId :
TW-17M-W

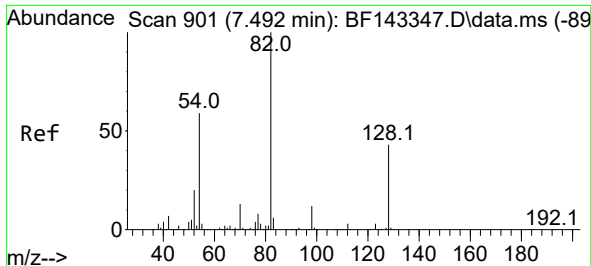
Tgt Ion: 99 Resp: 774788
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 32.6 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion: 136 Resp: 588451
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 10.4 8.4 12.6
68 6.9 5.9 8.9





#23

Nitrobenzene-d5

Concen: 114.644 ng

RT: 7.492 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

Instrument :

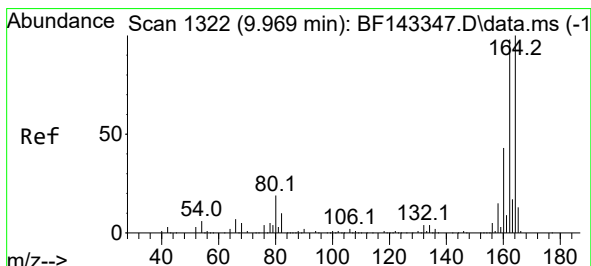
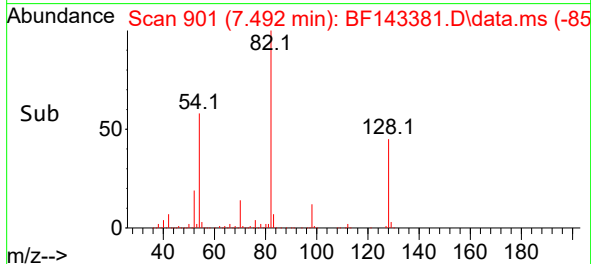
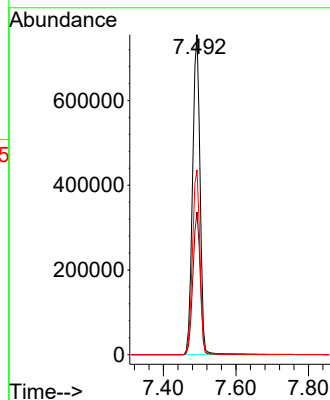
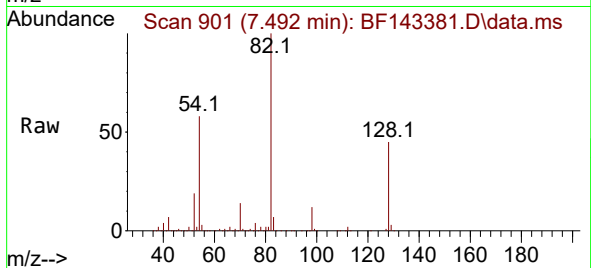
BNA_F

ClientSampleId :

TW-17M-W

Tgt Ion: 82 Resp: 1083323

Ion	Ratio	Lower	Upper
82	100		
128	44.6	33.5	50.3
54	57.7	46.7	70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

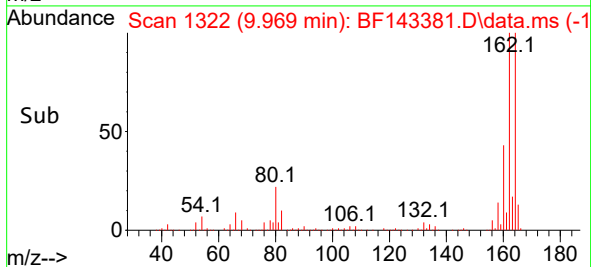
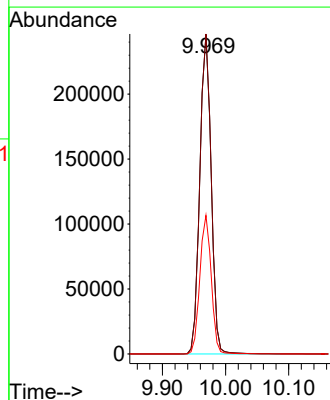
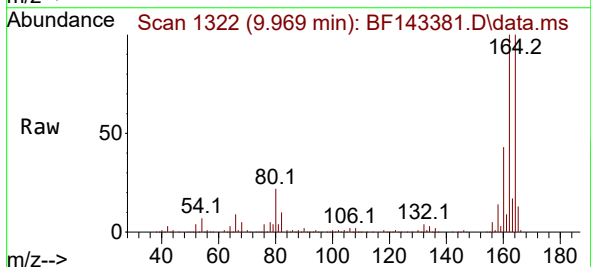
Delta R.T. -0.000 min

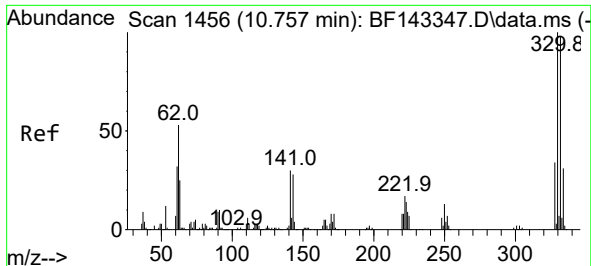
Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

Tgt Ion: 164 Resp: 306946

Ion	Ratio	Lower	Upper
164	100		
162	100.3	78.6	118.0
160	43.4	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 193.628 ng

RT: 10.763 min Scan# 1456

Delta R.T. 0.006 min

Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

Instrument :

BNA_F

ClientSampleId :

TW-17M-W

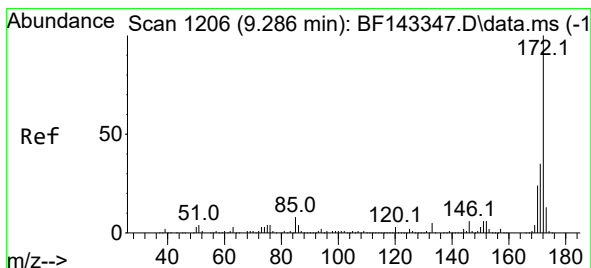
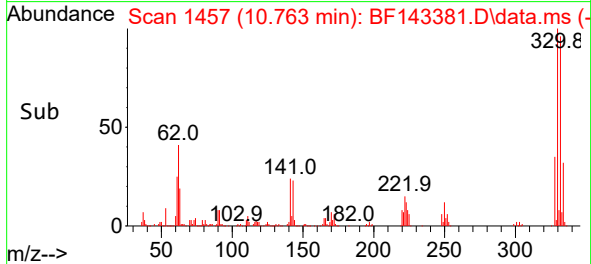
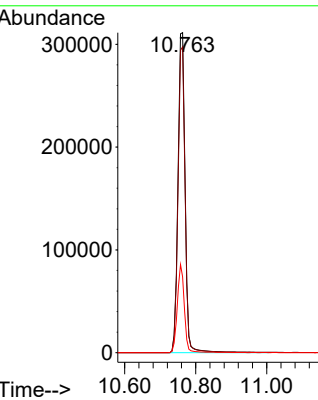
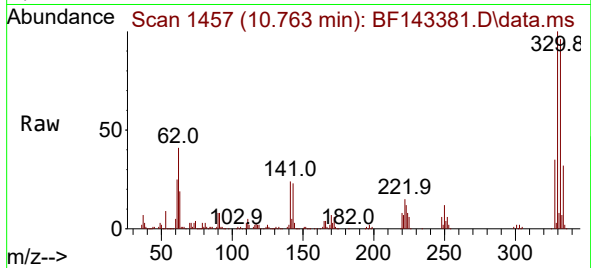
Tgt Ion:330 Resp: 434351

Ion Ratio Lower Upper

330 100

332 94.7 78.1 117.1

141 27.0 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 100.049 ng

RT: 9.286 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

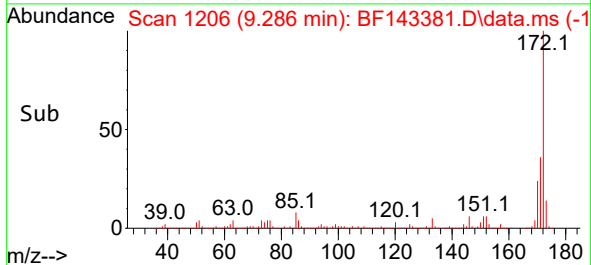
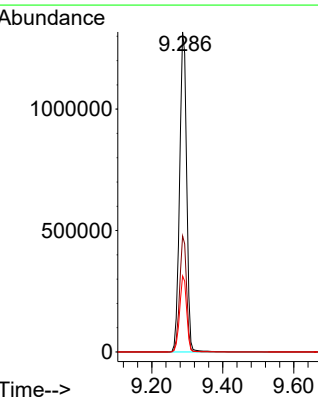
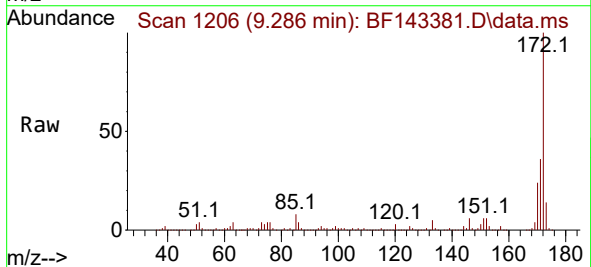
Tgt Ion:172 Resp: 1810980

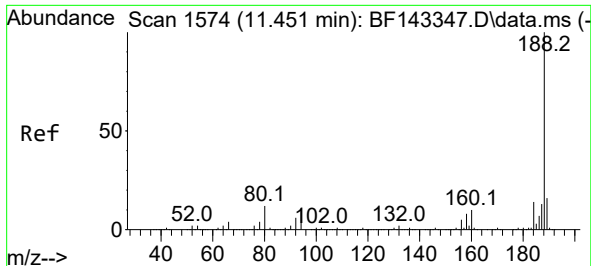
Ion Ratio Lower Upper

172 100

171 36.2 28.4 42.6

170 23.8 19.1 28.7

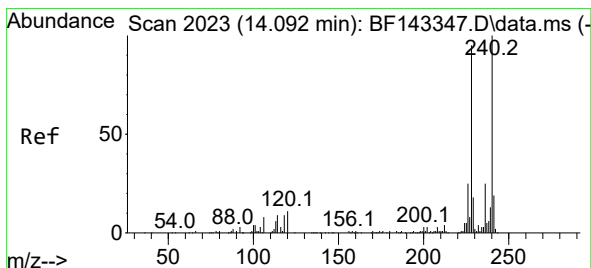
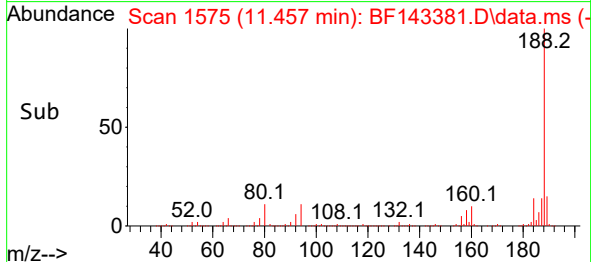
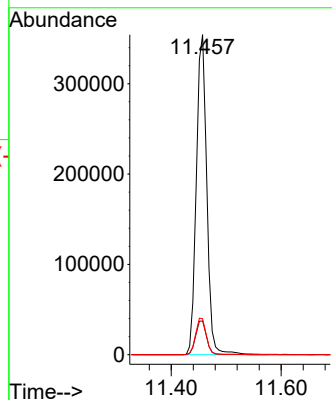
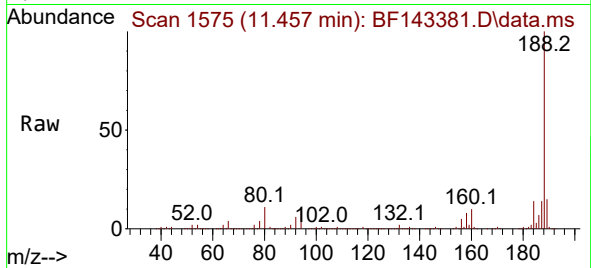




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

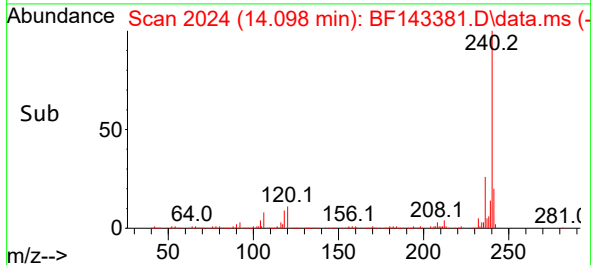
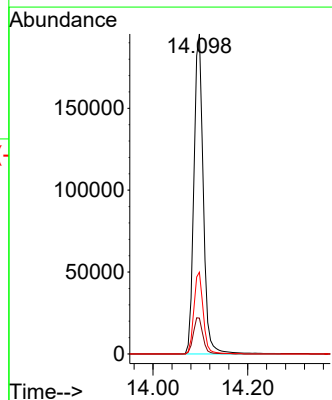
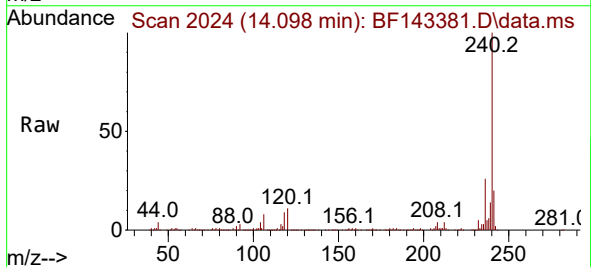
Instrument :
BNA_F
ClientSampleId :
TW-17M-W

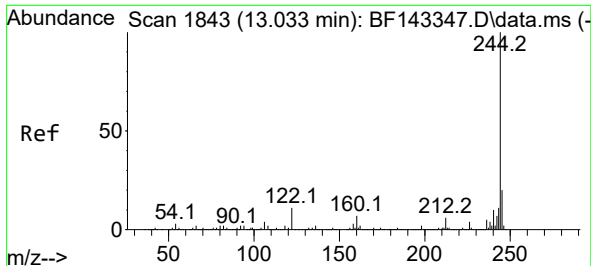
Tgt Ion:188 Resp: 467839
Ion Ratio Lower Upper
188 100
94 10.6 8.8 13.2
80 11.2 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion:240 Resp: 268746
Ion Ratio Lower Upper
240 100
120 11.2 9.0 13.6
236 25.6 19.9 29.9

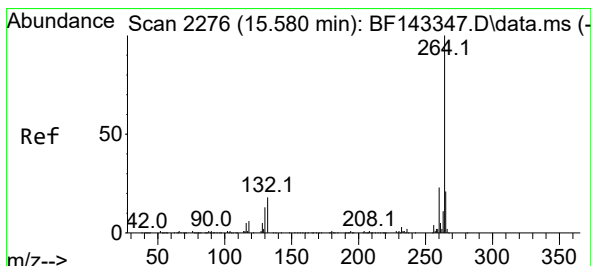
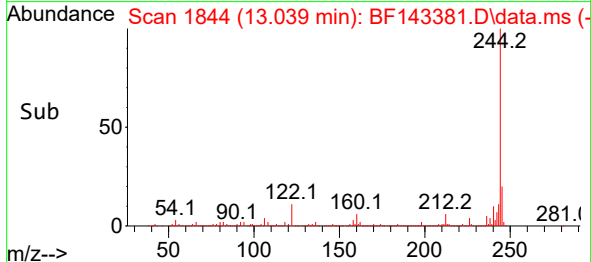
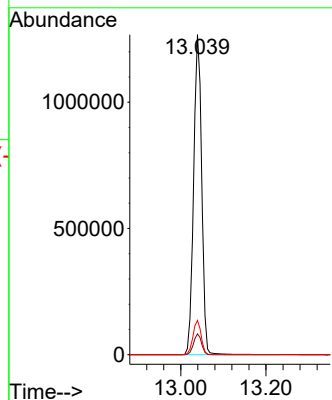
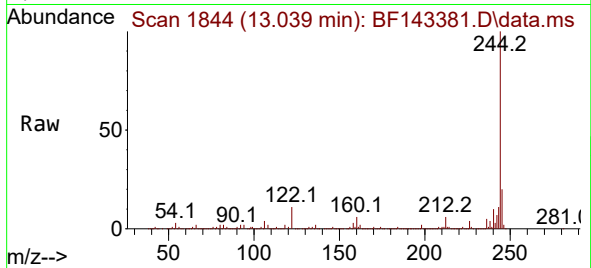




#79
 Terphenyl-d14
 Concen: 110.477 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143381.D
 Acq: 14 Aug 2025 14:55

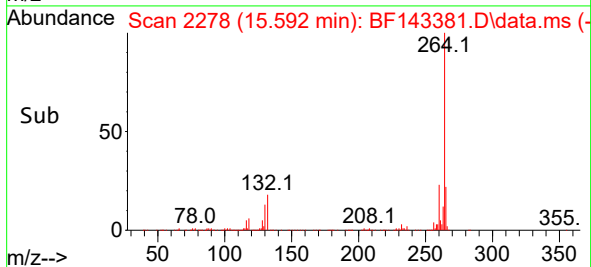
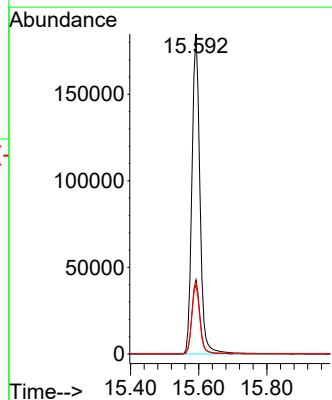
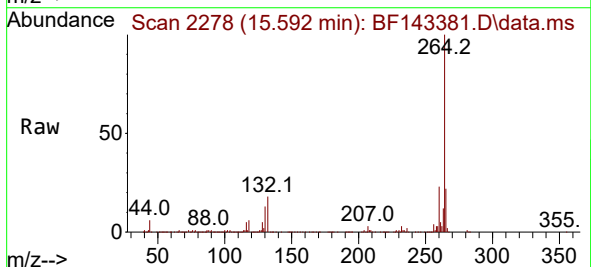
Instrument :
 BNA_F
 ClientSampleId :
 TW-17M-W

Tgt Ion:244 Resp: 1663007
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 10.7 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143381.D
 Acq: 14 Aug 2025 14:55

Tgt Ion:264 Resp: 301101
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 21.6 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143381.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.281	6	15	26	rVB	2738752	4605837	86.11%	13.713%
2	5.169	499	506	522	rVB	261386	394080	7.37%	1.173%
3	5.569	569	574	594	rBV	2140930	2857248	53.42%	8.507%
4	6.563	737	743	771	rBV	1678215	2293295	42.87%	6.828%
5	6.934	801	806	813	rBV	745997	923091	17.26%	2.748%
6	7.492	894	901	906	rBV	2303298	3258081	60.91%	9.701%
7	8.210	1018	1023	1041	rVV	897159	1262954	23.61%	3.760%
8	9.286	1200	1206	1222	rBV	3941582	5349016	100.00%	15.926%
9	9.969	1316	1322	1327	rBV	1047807	1310427	24.50%	3.902%
10	10.681	1438	1443	1450	rBV	334840	425782	7.96%	1.268%
11	10.757	1450	1456	1471	rBV	2283036	3138893	58.68%	9.346%
12	11.457	1570	1575	1582	rBV	890488	1173507	21.94%	3.494%
13	11.980	1658	1664	1689	rBV2	165067	318467	5.95%	0.948%
14	12.192	1696	1700	1705	rVB3	39859	58035	1.08%	0.173%
15	12.763	1789	1797	1804	rBV	63417	99863	1.87%	0.297%
16	12.869	1810	1815	1824	rVB3	46176	65682	1.23%	0.196%
17	13.039	1838	1844	1849	rBV	3359380	4384978	81.98%	13.056%
18	13.945	1992	1998	2013	rBV	56425	155096	2.90%	0.462%
19	14.098	2018	2024	2033	rVV	524853	720616	13.47%	2.146%
20	15.592	2272	2278	2291	rBV	489629	791399	14.80%	2.356%

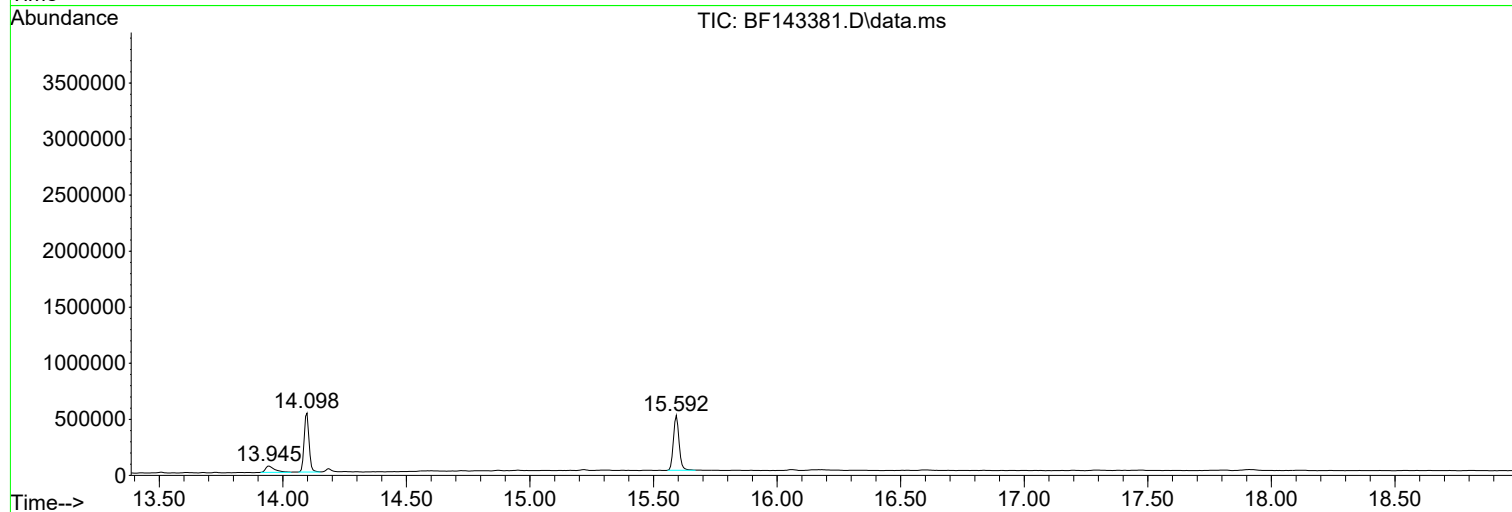
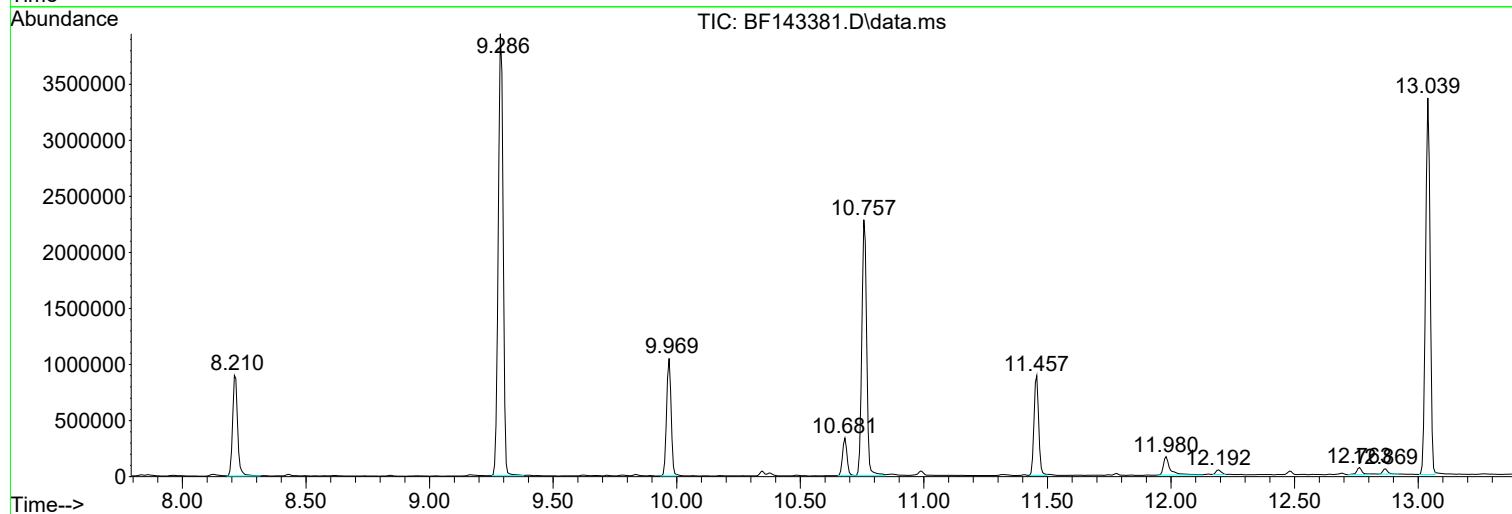
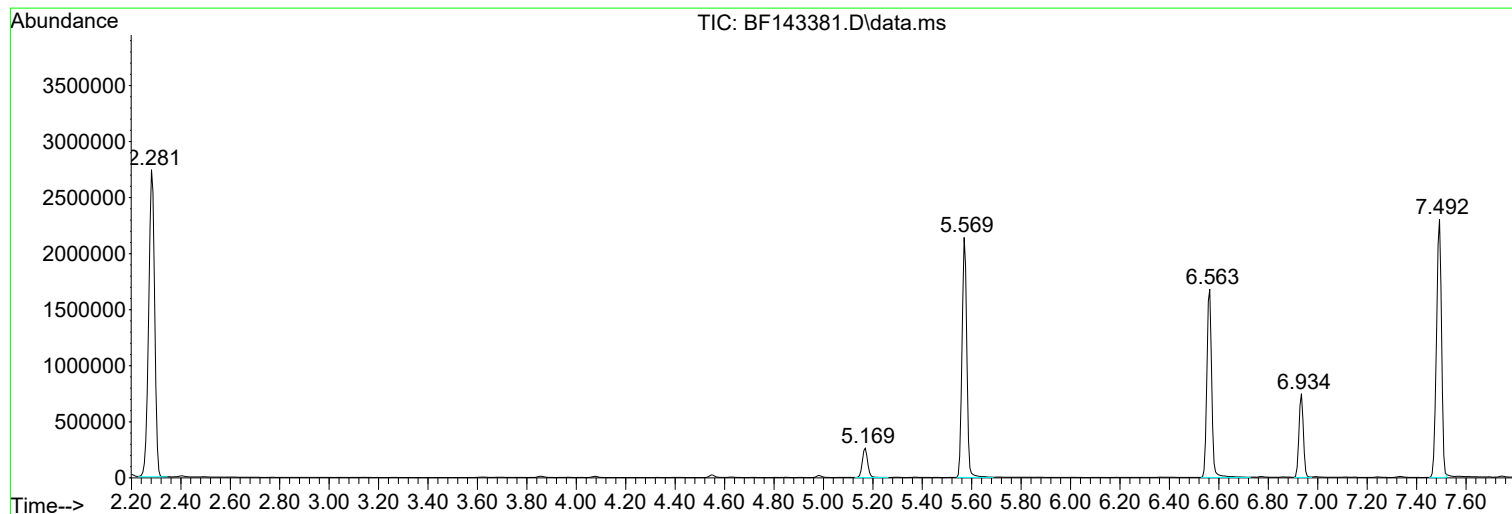
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Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-W

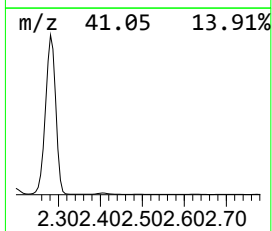
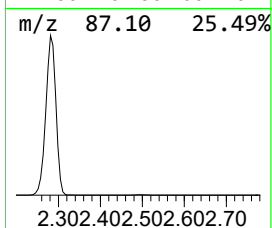
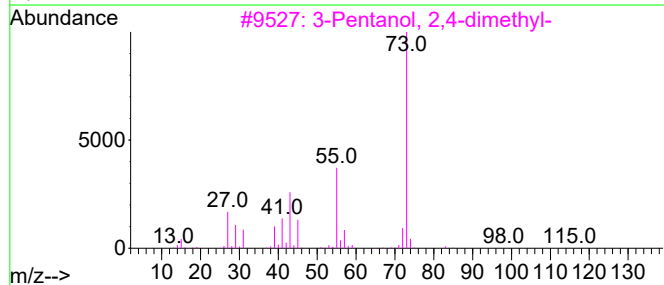
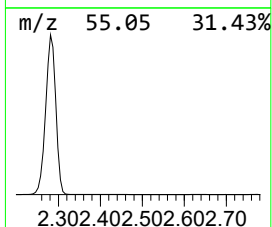
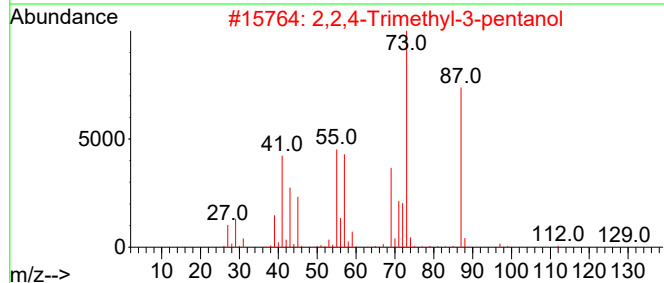
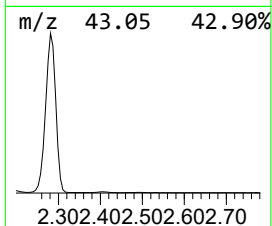
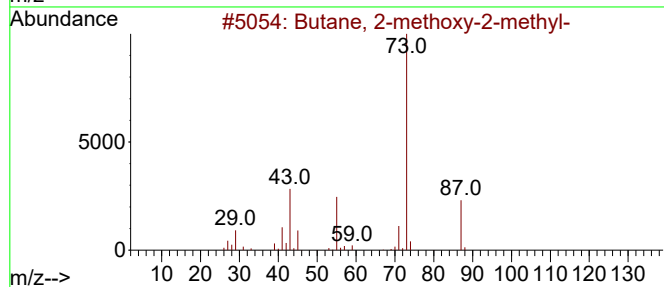
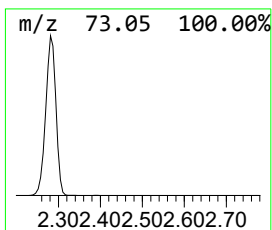
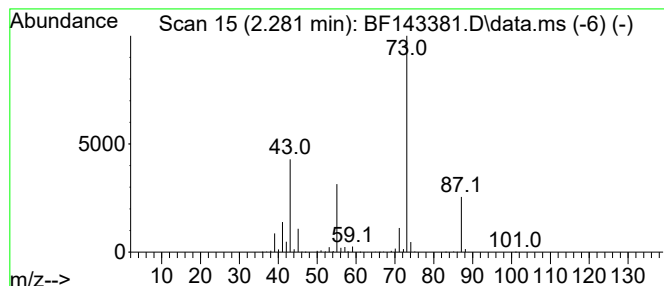
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.281	99.79 ng	4605840	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

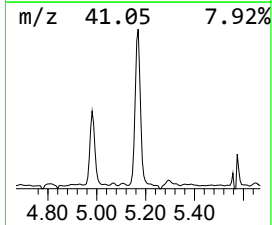
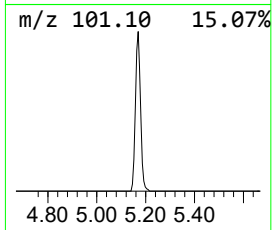
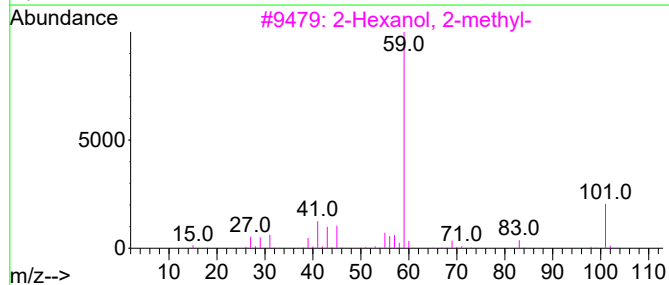
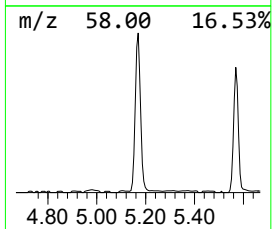
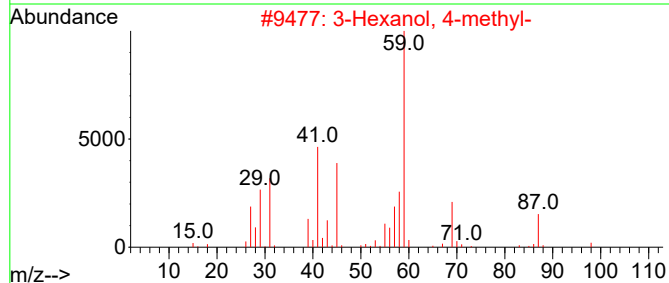
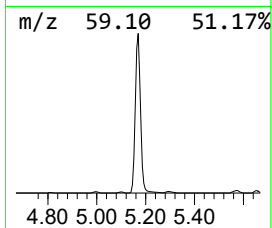
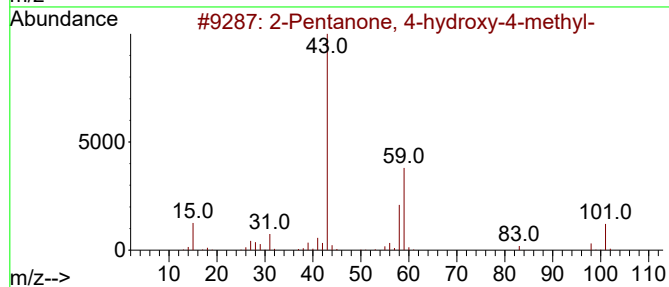
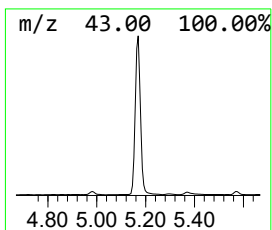
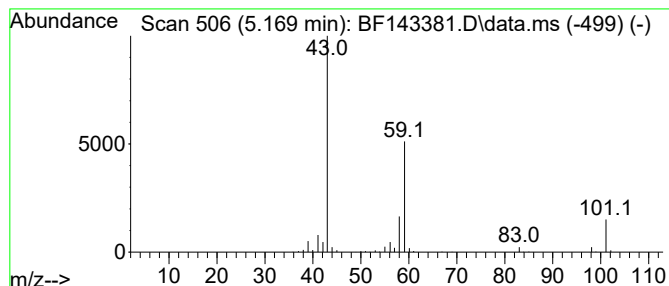
Instrument :
BNA_F
ClientSampleId :
TW-17M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.169	8.54 ng	394080	1,4-Dichlorobenzene-d4			6.934
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-		116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-		116	C7H16O	000625-23-0	33
4	Acetic acid, 1,1-dimethylethyl e...		116	C6H12O2	000540-88-5	28
5	2,3-Butanedione, monooxime		101	C4H7NO2	000057-71-6	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-W

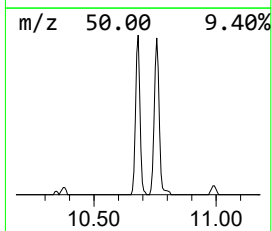
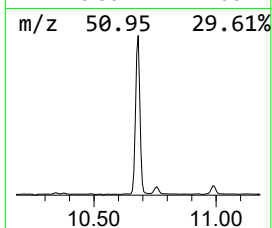
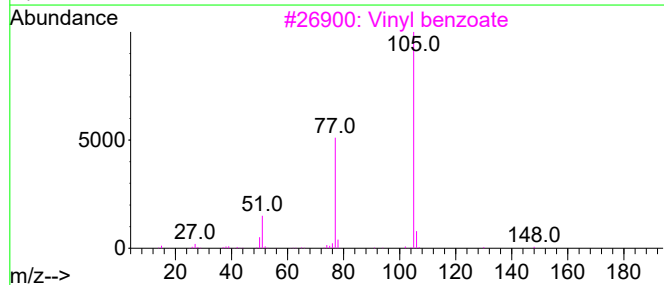
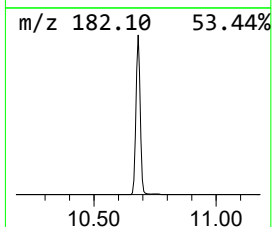
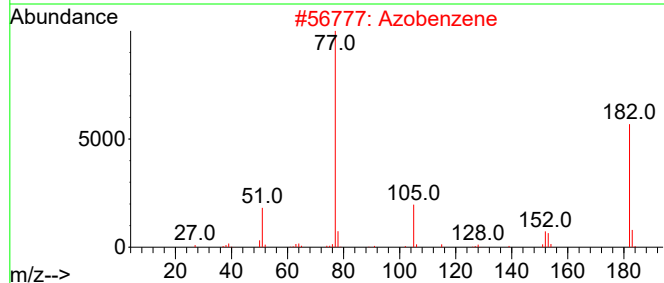
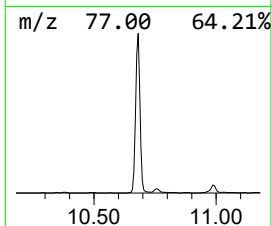
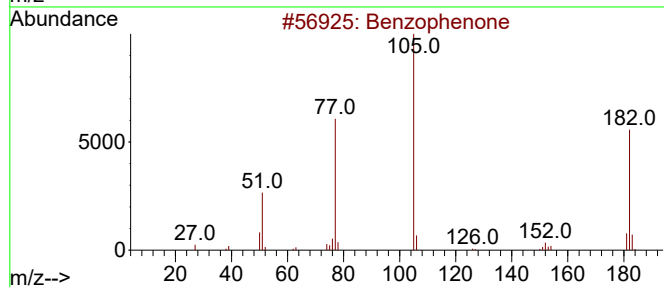
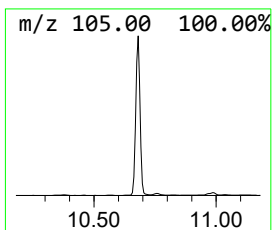
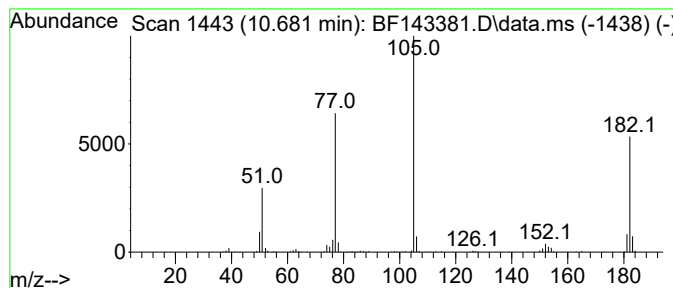
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	6.50 ng	425782	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	58
3			Vinyl benzoate	148	C9H8O2	000769-78-8	50
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50
5			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-W

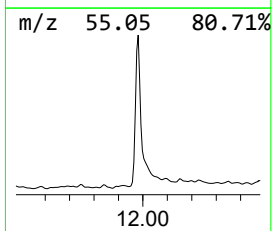
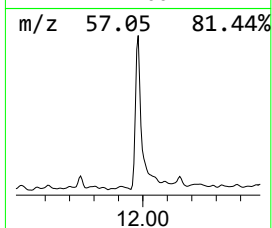
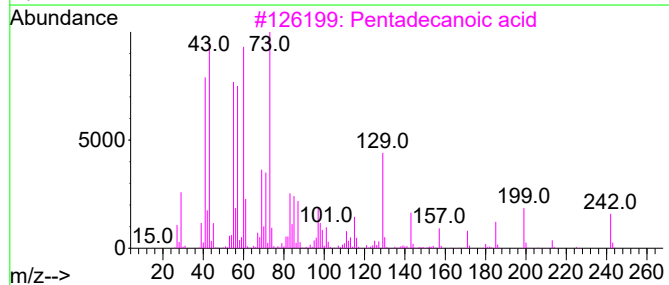
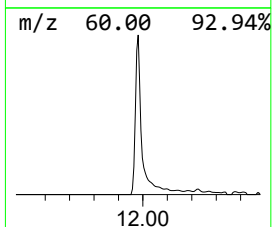
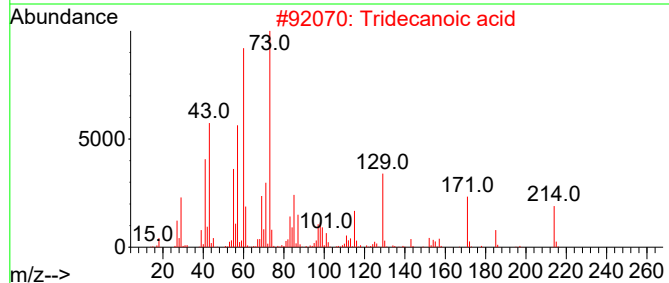
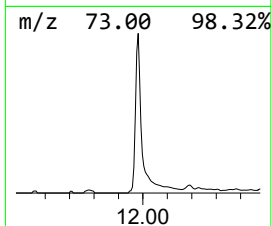
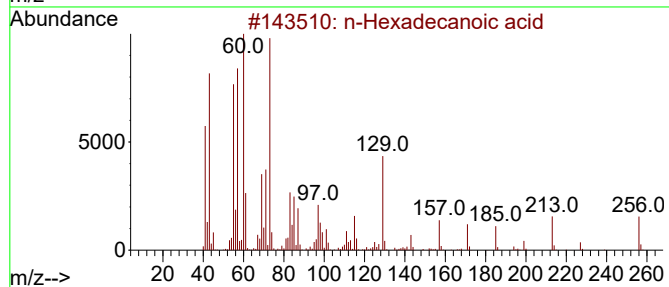
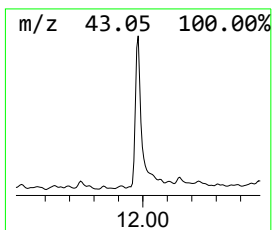
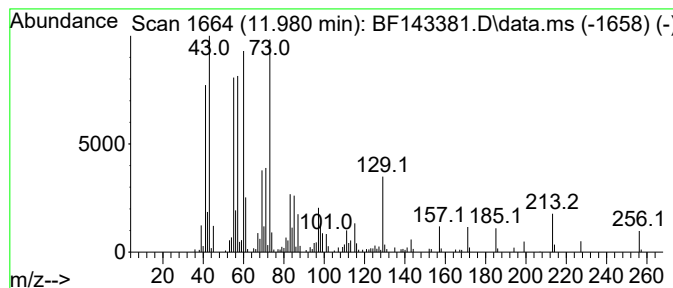
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	5.43 ng	318467	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	91
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			8-Methylnonanoic acid	172	C10H20O2	005963-14-4	83
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-W

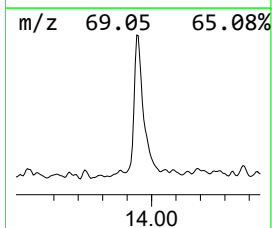
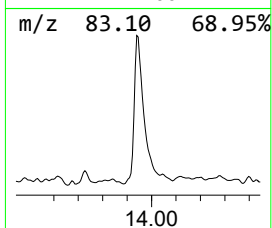
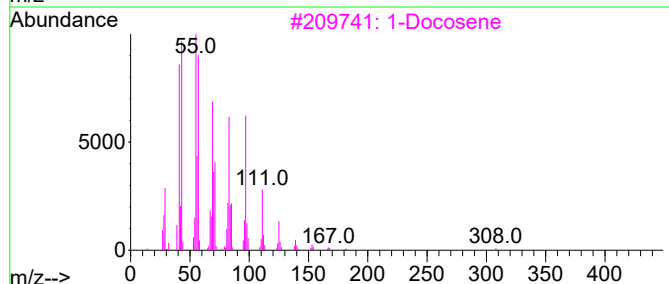
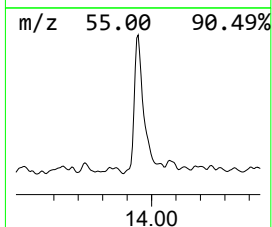
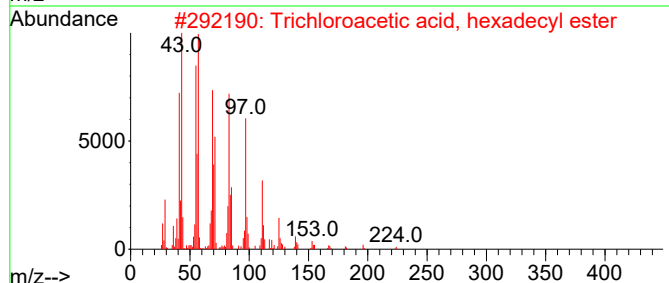
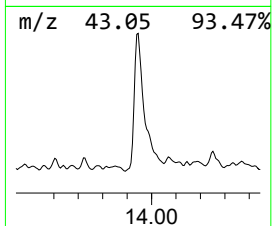
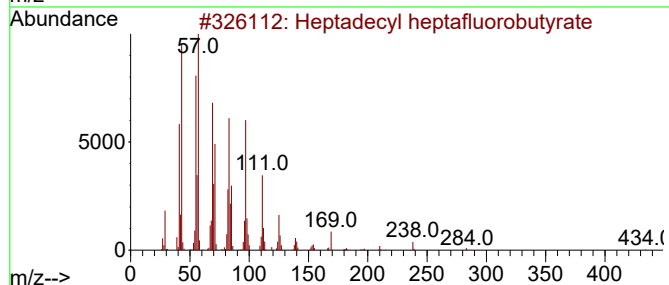
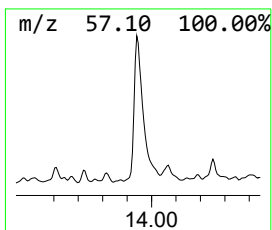
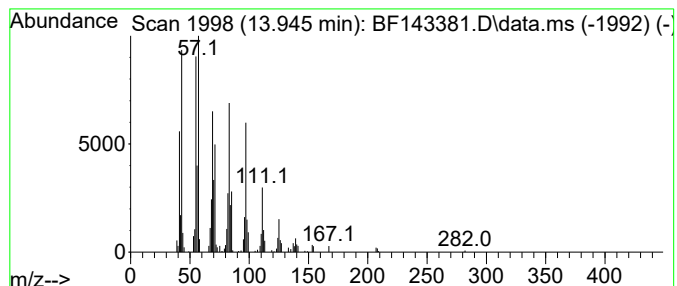
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Heptadecyl heptafluorobutyrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.945	4.30 ng	155096	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
2			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	95
3			1-Docosene	308	C22H44	001599-67-3	95
4			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
5			Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143381.D
Acq On : 14 Aug 2025 14:55
Operator : RC/JU
Sample : Q2814-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.281	99.8	ng	4605840	1	6.934	923091	20.0
2-Pentanone, 4-...	5.169	8.5	ng	394080	1	6.934	923091	20.0
Benzophenone	10.681	6.5	ng	425782	3	9.969	1310430	20.0
n-Hexadecanoic ...	11.980	5.4	ng	318467	4	11.457	1173510	20.0
Heptadecyl hept...	13.945	4.3	ng	155096	5	14.098	720616	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143382.D	1	08/12/25 09:55	08/14/25 15:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	9.20	U	4.50	9.20	11.5	ug/L
108-95-2	Phenol	4.60	U	1.00	4.60	5.70	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.60	U	0.93	4.60	5.70	ug/L
95-57-8	2-Chlorophenol	4.60	U	0.67	4.60	5.70	ug/L
95-48-7	2-Methylphenol	4.60	U	1.30	4.60	5.70	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.60	U	1.50	4.60	5.70	ug/L
98-86-2	Acetophenone	4.60	U	0.85	4.60	5.70	ug/L
65794-96-9	3+4-Methylphenols	9.20	U	1.30	9.20	11.5	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.90	U	1.60	2.90	2.90	ug/L
67-72-1	Hexachloroethane	4.60	U	0.75	4.60	5.70	ug/L
98-95-3	Nitrobenzene	4.60	U	0.87	4.60	5.70	ug/L
78-59-1	Isophorone	4.60	U	0.86	4.60	5.70	ug/L
88-75-5	2-Nitrophenol	4.60	U	2.00	4.60	5.70	ug/L
105-67-9	2,4-Dimethylphenol	4.60	U	2.10	4.60	5.70	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.60	U	0.78	4.60	5.70	ug/L
120-83-2	2,4-Dichlorophenol	4.60	U	0.60	4.60	5.70	ug/L
91-20-3	Naphthalene	4.60	U	0.57	4.60	5.70	ug/L
106-47-8	4-Chloroaniline	4.60	U	0.97	4.60	5.70	ug/L
87-68-3	Hexachlorobutadiene	4.60	U	0.62	4.60	5.70	ug/L
105-60-2	Caprolactam	9.20	U	1.30	9.20	11.5	ug/L
59-50-7	4-Chloro-3-methylphenol	4.60	U	0.68	4.60	5.70	ug/L
91-57-6	2-Methylnaphthalene	4.60	U	0.64	4.60	5.70	ug/L
77-47-4	Hexachlorocyclopentadiene	9.20	U	4.20	9.20	11.5	ug/L
88-06-2	2,4,6-Trichlorophenol	4.60	U	0.59	4.60	5.70	ug/L
95-95-4	2,4,5-Trichlorophenol	4.60	U	0.71	4.60	5.70	ug/L
92-52-4	1,1-Biphenyl	4.60	U	0.61	4.60	5.70	ug/L
91-58-7	2-Chloronaphthalene	4.60	U	0.70	4.60	5.70	ug/L
88-74-4	2-Nitroaniline	4.60	U	1.40	4.60	5.70	ug/L
131-11-3	Dimethylphthalate	4.60	U	0.70	4.60	5.70	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143382.D	1	08/12/25 09:55	08/14/25 15:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.60	U	0.86	4.60	5.70	ug/L
606-20-2	2,6-Dinitrotoluene	4.60	U	1.10	4.60	5.70	ug/L
99-09-2	3-Nitroaniline	4.60	U	1.20	4.60	5.70	ug/L
83-32-9	Acenaphthene	4.60	U	0.63	4.60	5.70	ug/L
51-28-5	2,4-Dinitrophenol	9.20	U	6.90	9.20	11.5	ug/L
100-02-7	4-Nitrophenol	9.20	U	2.70	9.20	11.5	ug/L
132-64-9	Dibenzofuran	4.60	U	0.70	4.60	5.70	ug/L
121-14-2	2,4-Dinitrotoluene	4.60	U	1.40	4.60	5.70	ug/L
84-66-2	Diethylphthalate	4.60	U	0.79	4.60	5.70	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.60	U	0.78	4.60	5.70	ug/L
86-73-7	Fluorene	4.60	U	0.72	4.60	5.70	ug/L
100-01-6	4-Nitroaniline	4.60	U	1.70	4.60	5.70	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	9.20	U	3.30	9.20	11.5	ug/L
86-30-6	n-Nitrosodiphenylamine	4.60	U	0.67	4.60	5.70	ug/L
101-55-3	4-Bromophenyl-phenylether	4.60	U	0.46	4.60	5.70	ug/L
118-74-1	Hexachlorobenzene	4.60	U	0.60	4.60	5.70	ug/L
1912-24-9	Atrazine	4.60	U	1.20	4.60	5.70	ug/L
87-86-5	Pentachlorophenol	9.20	U	1.80	9.20	11.5	ug/L
85-01-8	Phenanthrene	4.60	U	0.57	4.60	5.70	ug/L
120-12-7	Anthracene	4.60	U	0.70	4.60	5.70	ug/L
86-74-8	Carbazole	4.60	U	0.83	4.60	5.70	ug/L
84-74-2	Di-n-butylphthalate	4.60	U	1.40	4.60	5.70	ug/L
206-44-0	Fluoranthene	4.60	U	0.94	4.60	5.70	ug/L
129-00-0	Pyrene	4.60	U	0.57	4.60	5.70	ug/L
85-68-7	Butylbenzylphthalate	4.60	U	2.20	4.60	5.70	ug/L
91-94-1	3,3-Dichlorobenzidine	9.20	U	1.10	9.20	11.5	ug/L
56-55-3	Benzo(a)anthracene	4.60	U	0.52	4.60	5.70	ug/L
218-01-9	Chrysene	4.60	U	0.51	4.60	5.70	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.60	U	1.80	4.60	5.70	ug/L
117-84-0	Di-n-octyl phthalate	9.20	U	2.70	9.20	11.5	ug/L
205-99-2	Benzo(b)fluoranthene	4.60	U	0.56	4.60	5.70	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143382.D	1	08/12/25 09:55	08/14/25 15:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.60	U	0.55	4.60	5.70	ug/L
50-32-8	Benzo(a)pyrene	4.60	U	0.63	4.60	5.70	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.60	U	0.68	4.60	5.70	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.60	U	0.77	4.60	5.70	ug/L
191-24-2	Benzo(g,h,i)perylene	4.60	U	0.79	4.60	5.70	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.60	U	0.60	4.60	5.70	ug/L
123-91-1	1,4-Dioxane	4.60	UQ	1.10	4.60	5.70	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.60	U	0.83	4.60	5.70	ug/L

SURROGATES

367-12-4	2-Fluorophenol	76.7		19 - 119	51%	SPK: 150
13127-88-3	Phenol-d6	60.5		10 - 130	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.1		44 - 120	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.2		44 - 119	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		43 - 140	104%	SPK: 150
1718-51-0	Terphenyl-d14	85.2		50 - 134	85%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	153000	6.934
1146-65-2	Naphthalene-d8	588000	8.21
15067-26-2	Acenaphthene-d10	318000	9.969
1517-22-2	Phenanthrene-d10	485000	11.457
1719-03-5	Chrysene-d12	295000	14.098
1520-96-3	Perylene-d12	317000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	100	JB	2.26	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	12.0	AB	5.16	ug/L
000119-61-9	Benzophenone	5.70	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	7.20	J	12.0	ug/L
959085-66-6	Heptadecyl heptafluorobutyrate	3.70	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	870	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :		Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
			uL
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143382.D	1	08/12/25 09:55	08/14/25 15:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

Quant Time: Aug 14 16:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	152831	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	587688	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	317654	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	484666	20.000	ng	0.00
76) Chrysene-d12	14.098	240	294954	20.000	ng	0.00
86) Perylene-d12	15.592	264	316888	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	677807	76.693	ng	0.00
7) Phenol-d6	6.563	99	685455	60.480	ng	0.00
23) Nitrobenzene-d5	7.493	82	841229	89.140	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	360426	155.257	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1502587	80.214	ng	0.00
79) Terphenyl-d14	13.039	244	1407470	85.193	ng	0.00

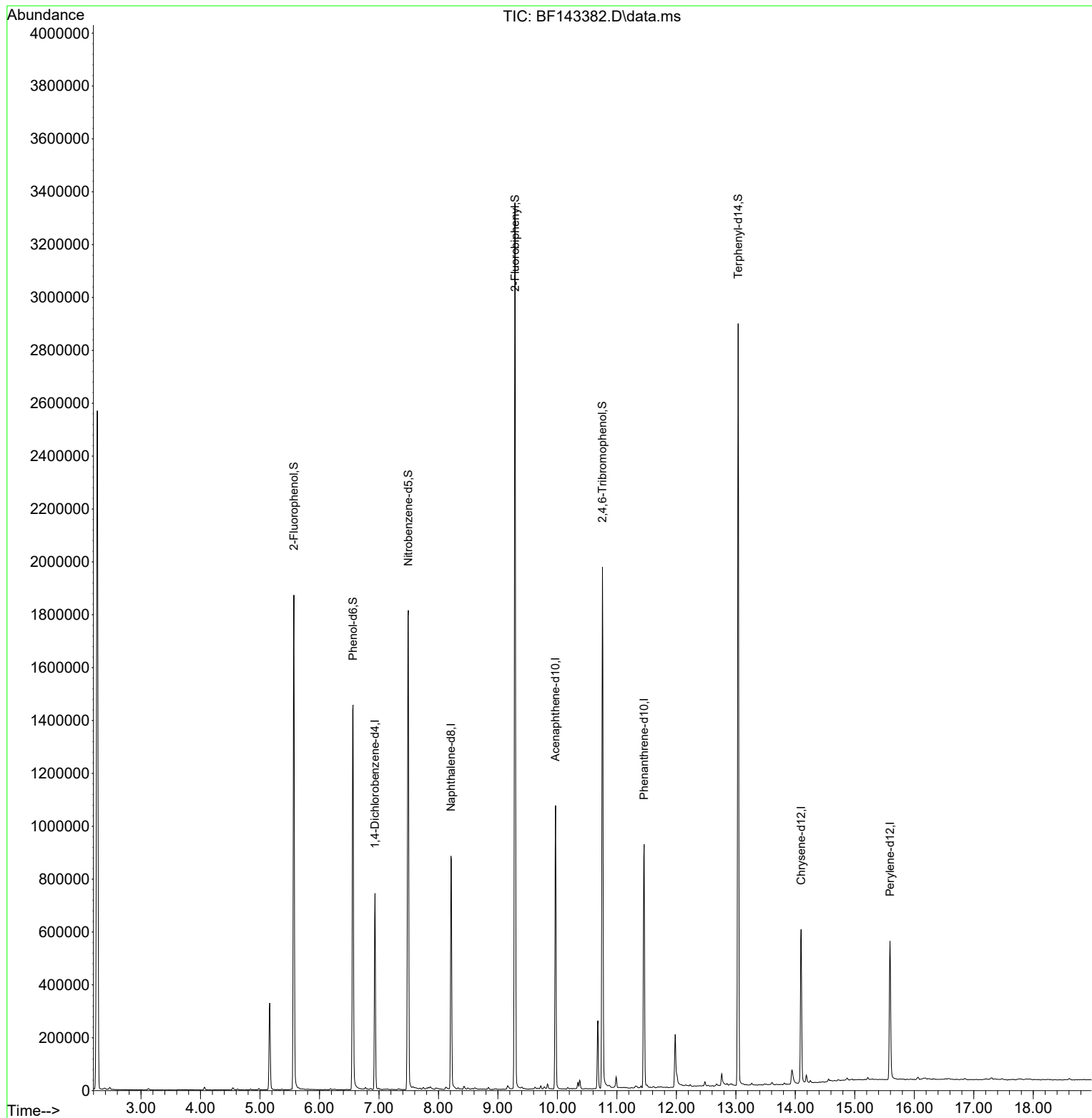
Target Compounds	Qvalue
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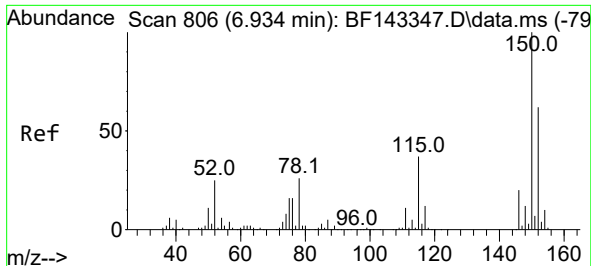
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

Quant Time: Aug 14 16:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

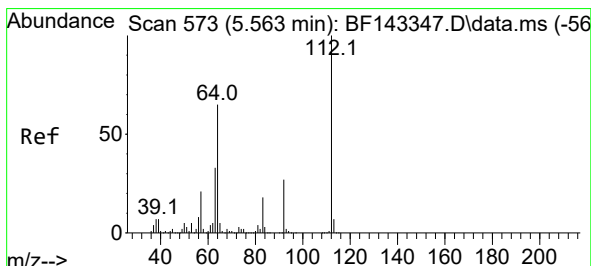
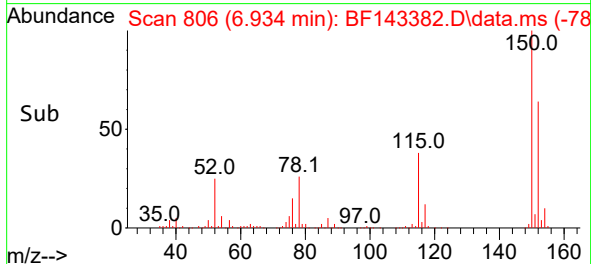
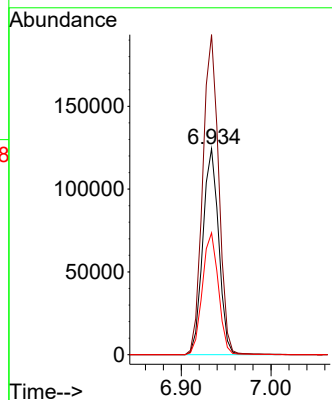
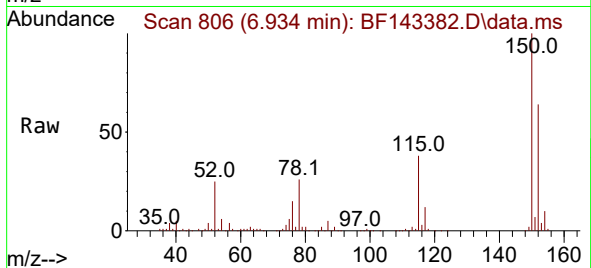




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143382.D
Acq: 14 Aug 2025 15:26

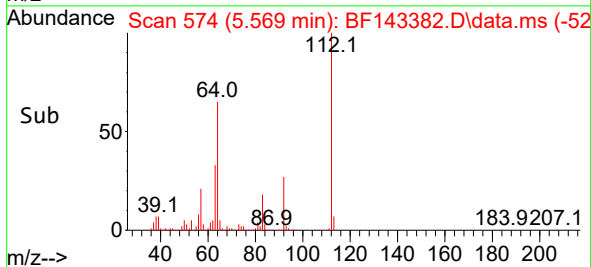
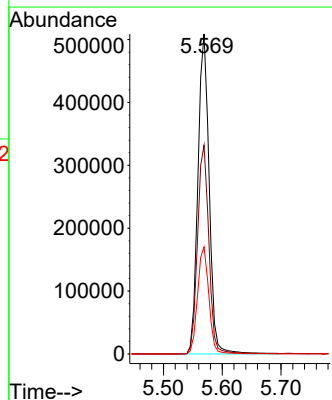
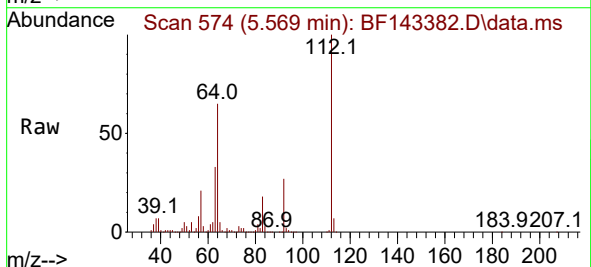
Instrument :
BNA_F
ClientSampleId :
TW-82H-N

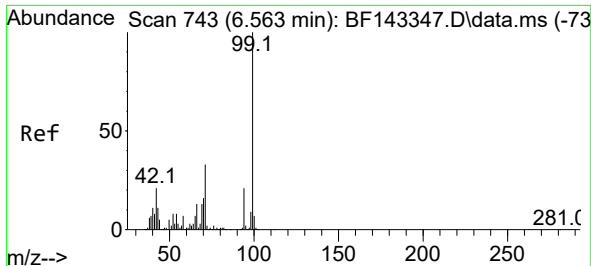
Tgt Ion:152 Resp: 152831
Ion Ratio Lower Upper
152 100
150 155.4 129.8 194.8
115 59.2 47.8 71.8



#5
2-Fluorophenol
Concen: 76.693 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143382.D
Acq: 14 Aug 2025 15:26

Tgt Ion:112 Resp: 677807
Ion Ratio Lower Upper
112 100
64 65.2 52.1 78.1
63 33.5 26.6 39.8

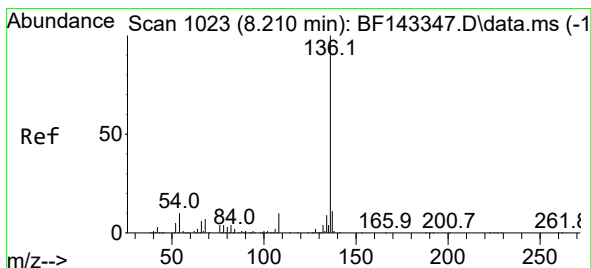
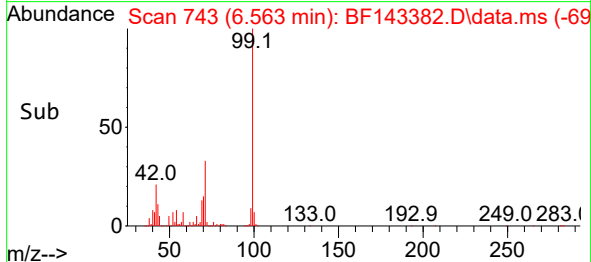
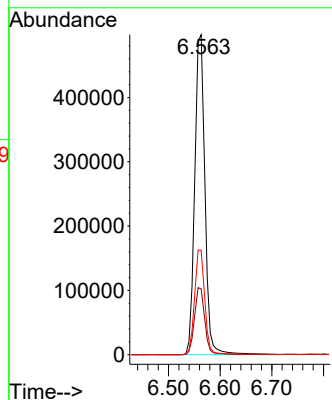
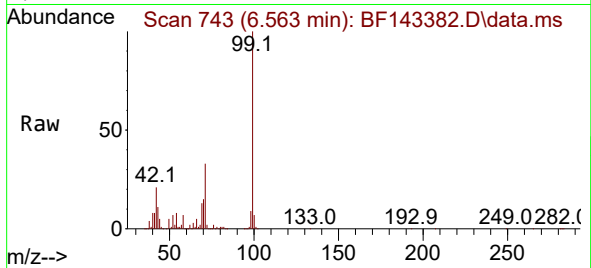




#7
Phenol-d6
Concen: 60.480 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143382.D
Acq: 14 Aug 2025 15:26

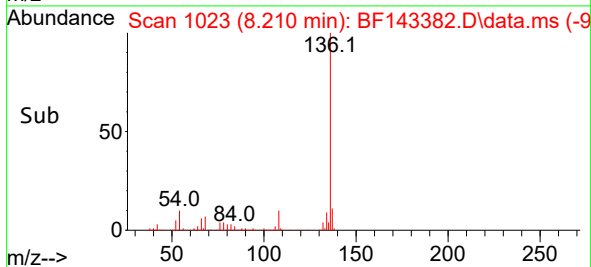
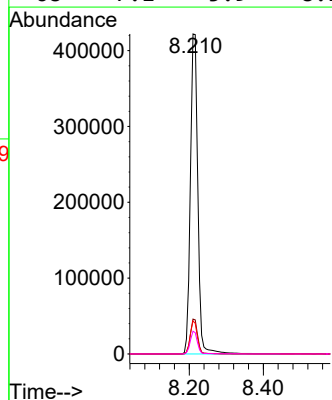
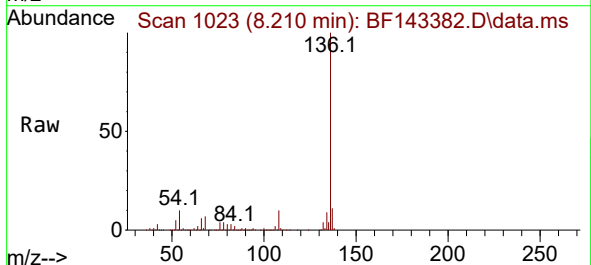
Instrument :
BNA_F
ClientSampleId :
TW-82H-N

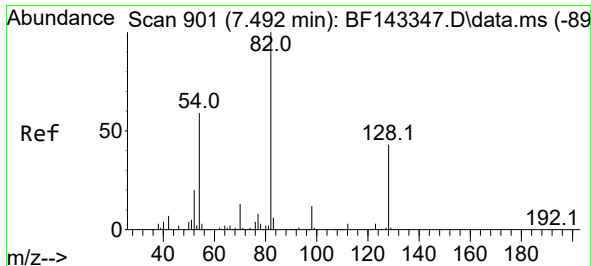
Tgt Ion:	99	Resp:	685455
Ion Ratio	Lower	Upper	
99	100		
42	20.6	16.6	25.0
71	32.7	26.2	39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143382.D
Acq: 14 Aug 2025 15:26

Tgt Ion:	136	Resp:	587688
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	10.3	8.4	12.6
68	7.1	5.9	8.9





#23

Nitrobenzene-d5

Concen: 89.140 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143382.D

Acq: 14 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

TW-82H-N

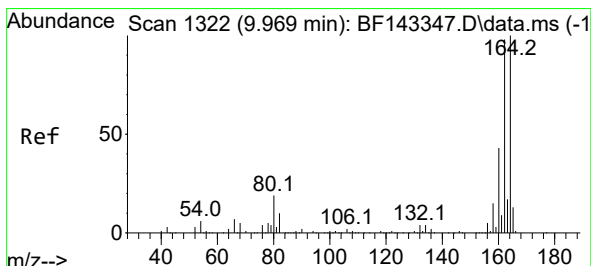
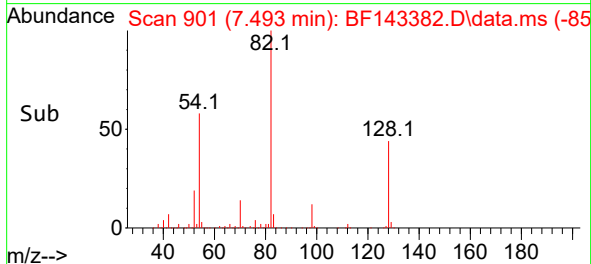
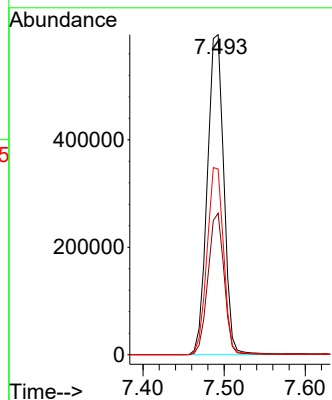
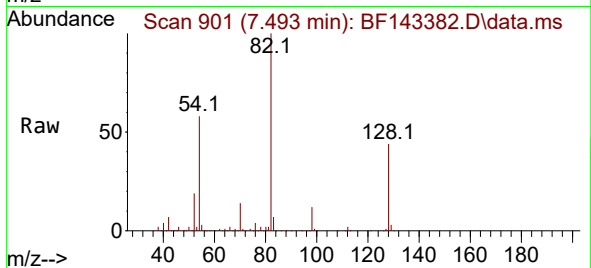
Tgt Ion: 82 Resp: 841229

Ion Ratio Lower Upper

82 100

128 44.2 33.5 50.3

54 58.1 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143382.D

Acq: 14 Aug 2025 15:26

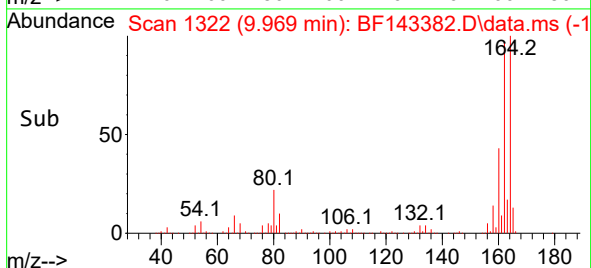
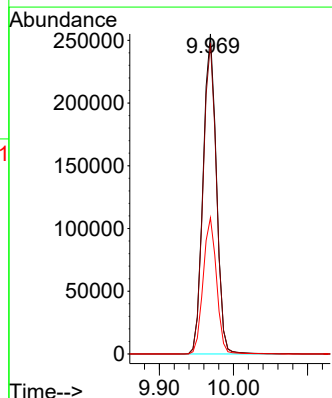
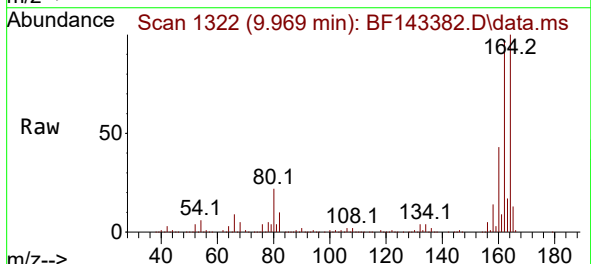
Tgt Ion: 164 Resp: 317654

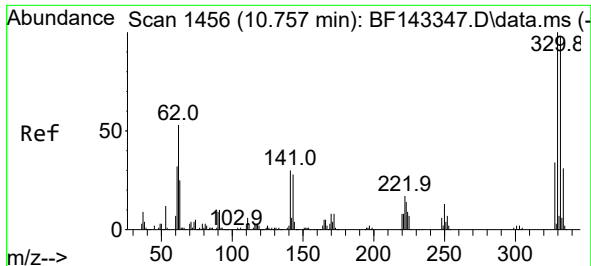
Ion Ratio Lower Upper

164 100

162 97.2 78.6 118.0

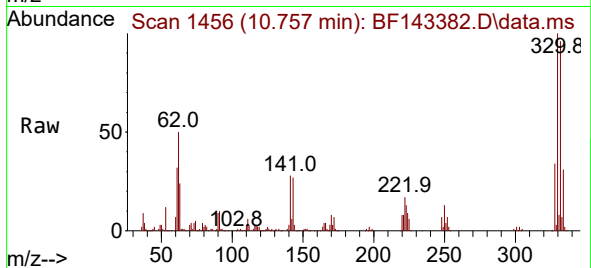
160 42.5 34.4 51.6



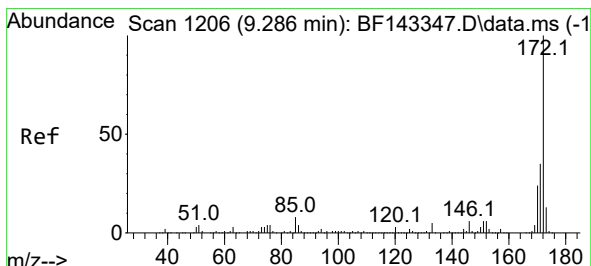
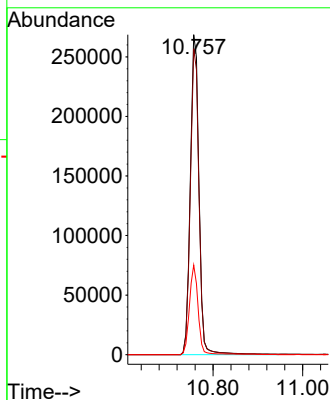
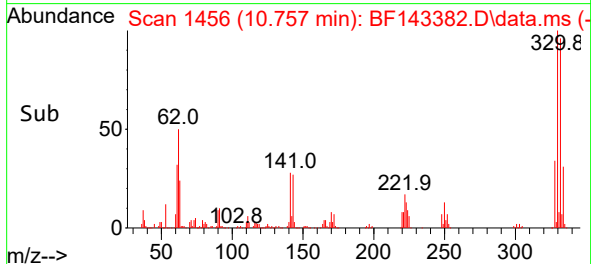


#42
2,4,6-Tribromophenol
Concen: 155.257 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143382.D
Acq: 14 Aug 2025 15:26

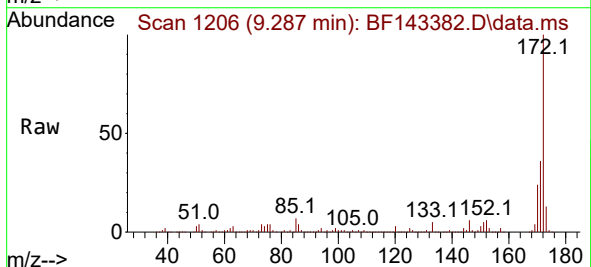
Instrument :
BNA_F
ClientSampleId :
TW-82H-N



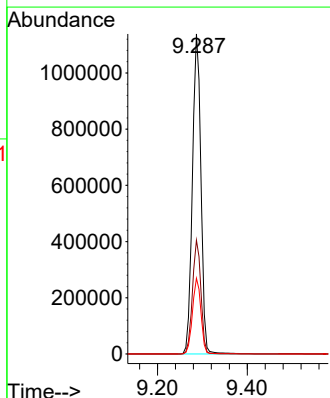
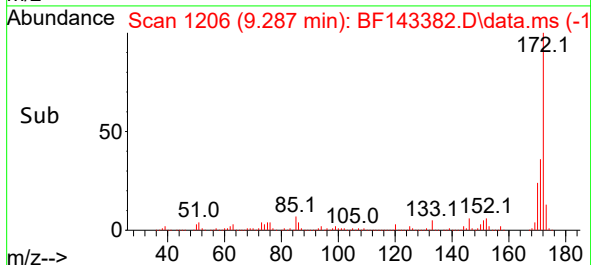
Tgt Ion:330 Resp: 360426
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 28.0 25.4 38.0

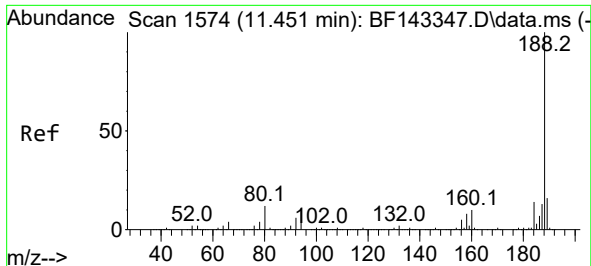


#45
2-Fluorobiphenyl
Concen: 80.214 ng
RT: 9.287 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143382.D
Acq: 14 Aug 2025 15:26



Tgt Ion:172 Resp: 1502587
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.7 19.1 28.7

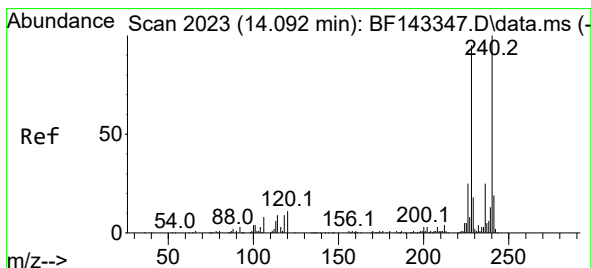
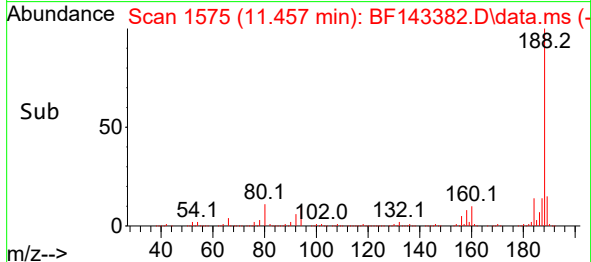
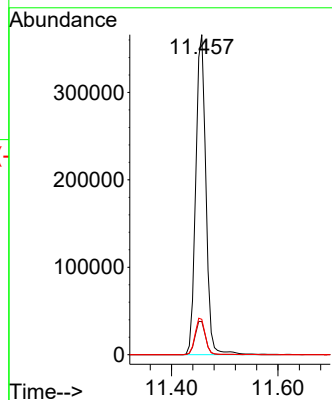
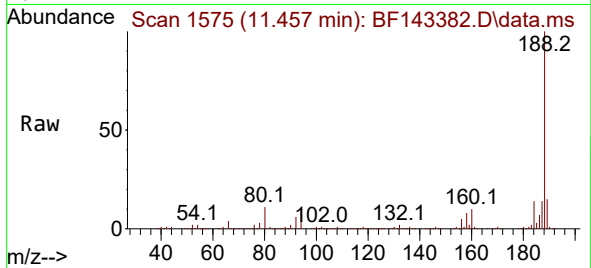




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143382.D
Acq: 14 Aug 2025 15:26

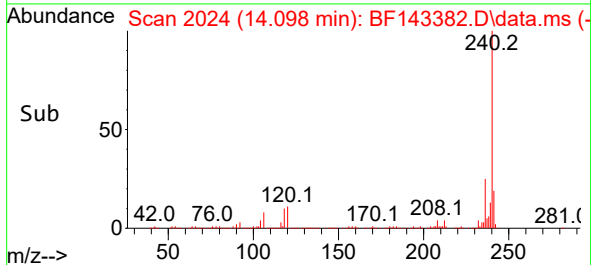
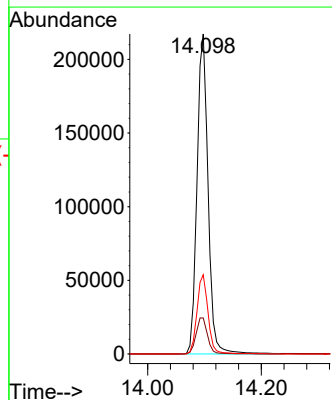
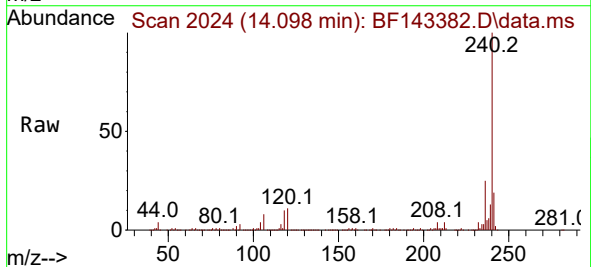
Instrument :
BNA_F
ClientSampleId :
TW-82H-N

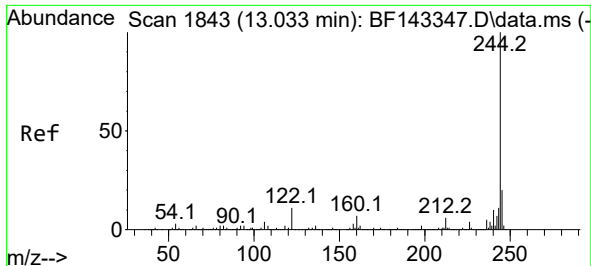
Tgt Ion:188 Resp: 484666
Ion Ratio Lower Upper
188 100
94 10.4 8.8 13.2
80 11.1 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143382.D
Acq: 14 Aug 2025 15:26

Tgt Ion:240 Resp: 294954
Ion Ratio Lower Upper
240 100
120 11.2 9.0 13.6
236 24.8 19.9 29.9

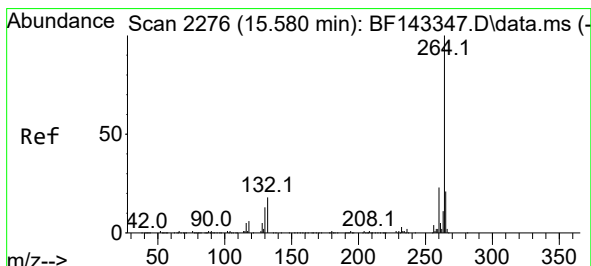
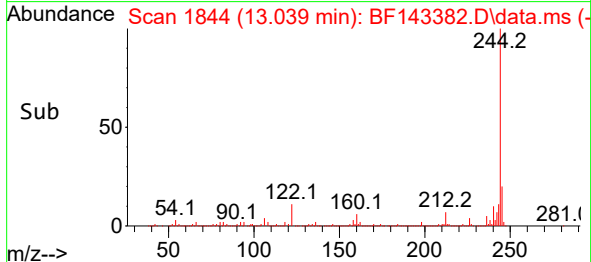
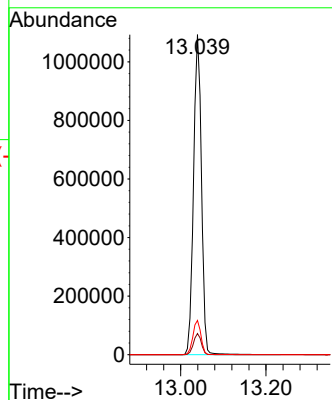
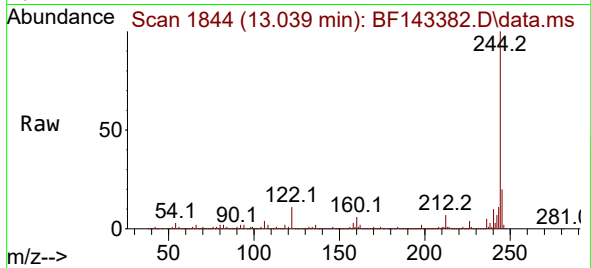




#79
 Terphenyl-d14
 Concen: 85.193 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143382.D
 Acq: 14 Aug 2025 15:26

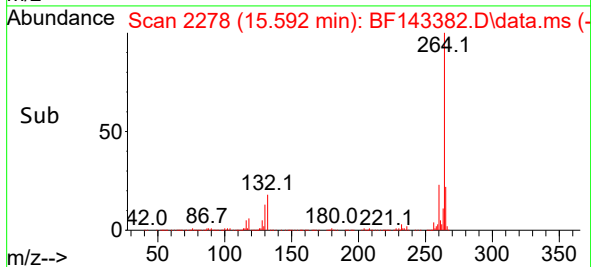
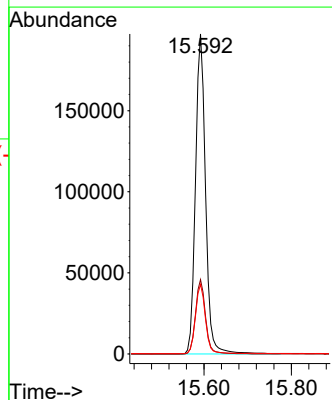
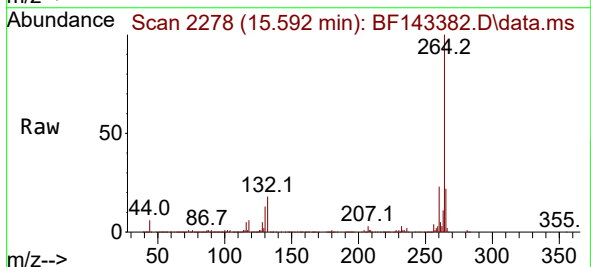
Instrument :
 BNA_F
 ClientSampleId :
 TW-82H-N

Tgt Ion:244 Resp: 1407470
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 10.7 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143382.D
 Acq: 14 Aug 2025 15:26

Tgt Ion:264 Resp: 316888
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.7 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143382.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	4	12	28	rVB	2565708	4134333	94.74%	13.873%
2	5.163	498	505	523	rVB	328203	483478	11.08%	1.622%
3	5.569	568	574	586	rBV	1869681	2484371	56.93%	8.337%
4	6.563	737	743	763	rBV	1454814	2029651	46.51%	6.811%
5	6.934	801	806	813	rBV	741963	922299	21.14%	3.095%
6	7.493	894	901	911	rBV	1812132	2574450	59.00%	8.639%
7	8.210	1018	1023	1040	rBV	880353	1204386	27.60%	4.041%
8	9.287	1200	1206	1211	rBV	3350671	4363728	100.00%	14.643%
9	9.969	1316	1322	1337	rBV	1071812	1346559	30.86%	4.519%
10	10.375	1388	1391	1400	rVB2	33007	47190	1.08%	0.158%
11	10.681	1437	1443	1450	rBV	256616	336200	7.70%	1.128%
12	10.757	1450	1456	1472	rBV	1971203	2637998	60.45%	8.852%
13	10.986	1491	1495	1500	rVB	40187	53153	1.22%	0.178%
14	11.457	1569	1575	1582	rBV	920079	1213476	27.81%	4.072%
15	11.980	1659	1664	1681	rBV2	199232	379162	8.69%	1.272%
16	12.763	1792	1797	1810	rBV	43506	88481	2.03%	0.297%
17	13.039	1838	1844	1849	rBV	2881348	3695729	84.69%	12.401%
18	13.945	1993	1998	2015	rBV	51732	126908	2.91%	0.426%
19	14.098	2018	2024	2034	rVV	580465	793897	18.19%	2.664%
20	14.186	2035	2039	2047	rVB	28114	44079	1.01%	0.148%
21	15.592	2272	2278	2293	rBV	522778	841328	19.28%	2.823%

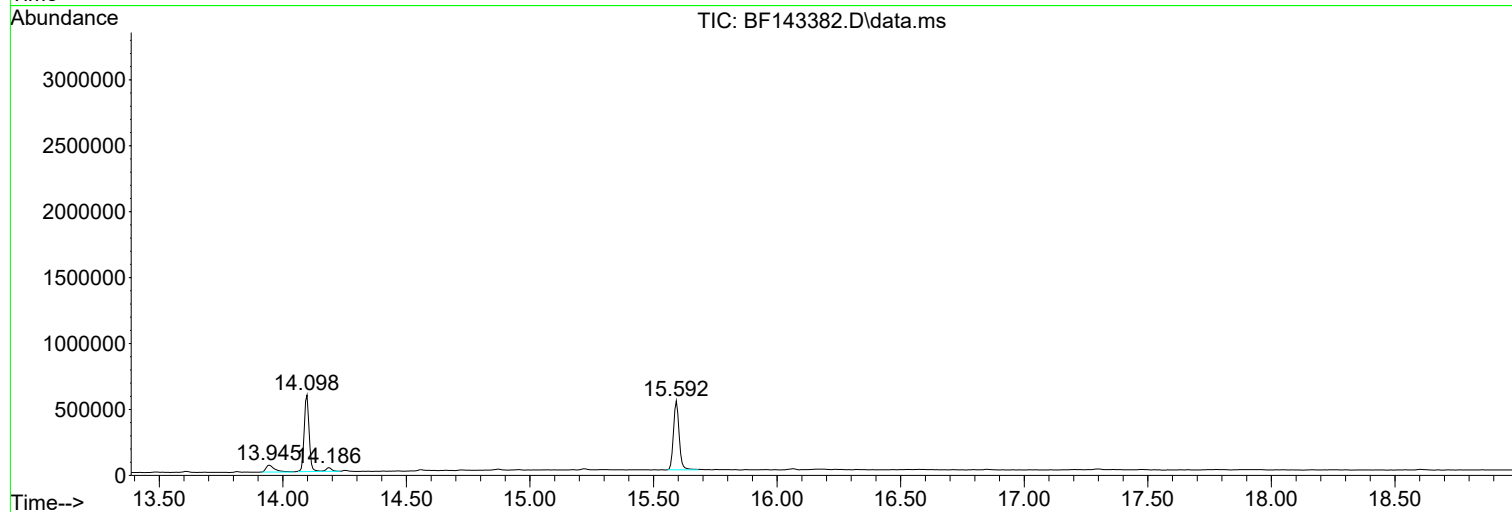
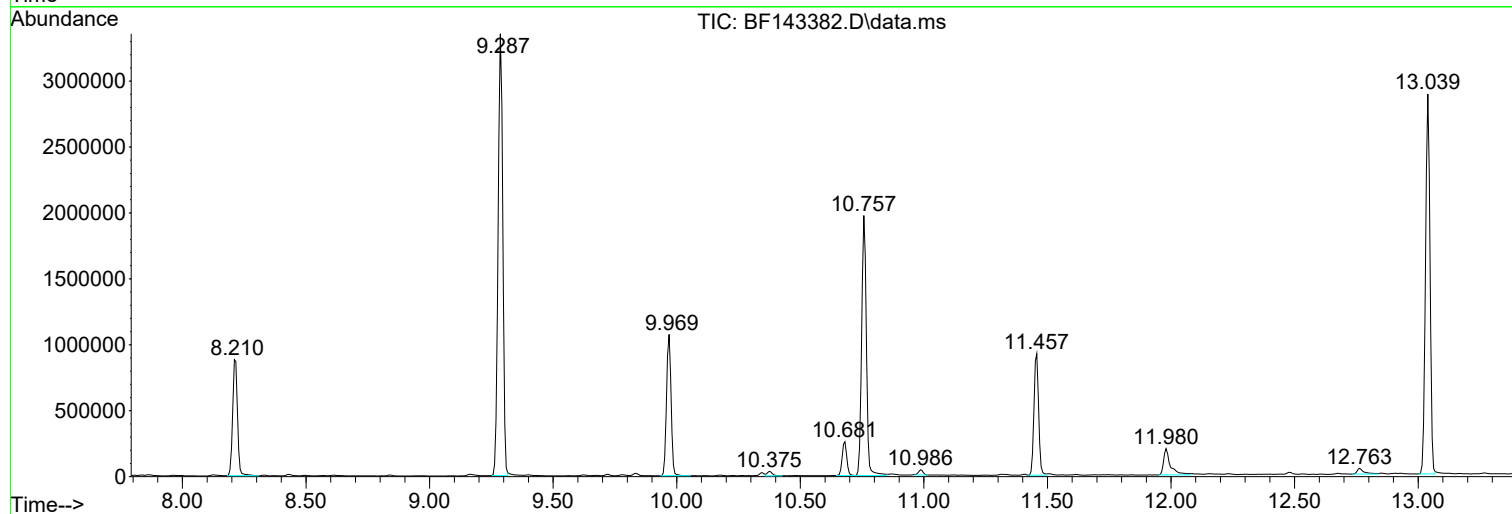
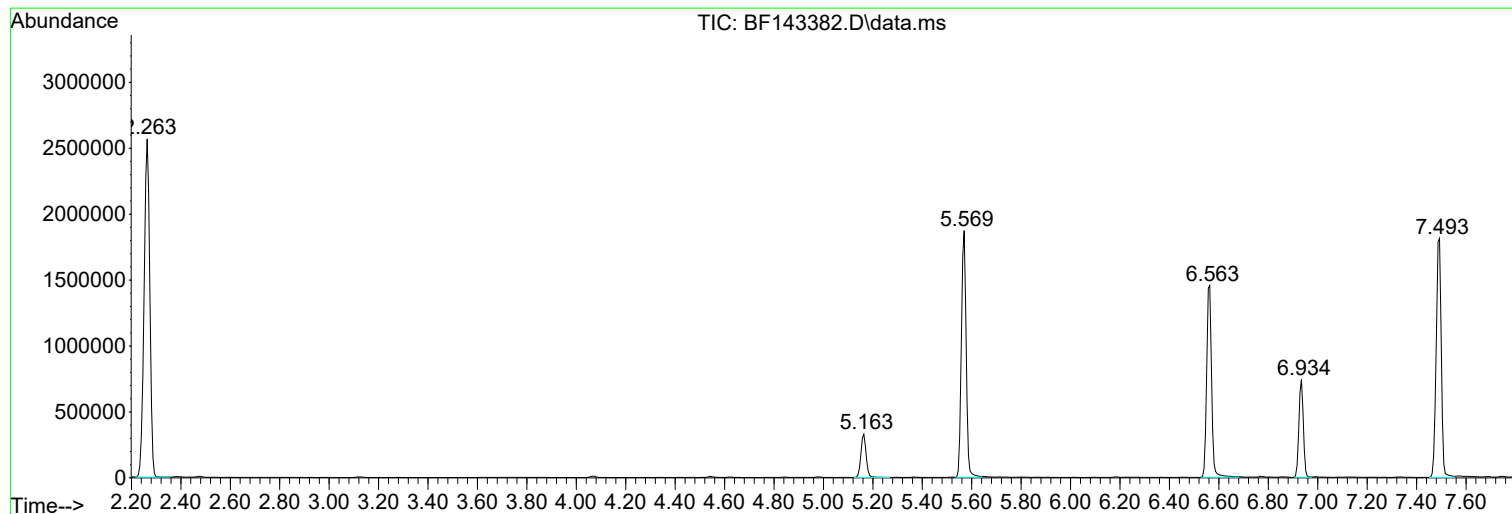
Sum of corrected areas: 29800856

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

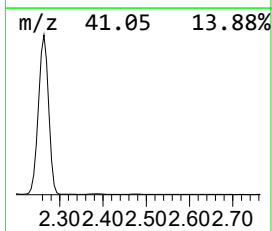
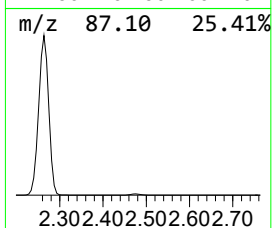
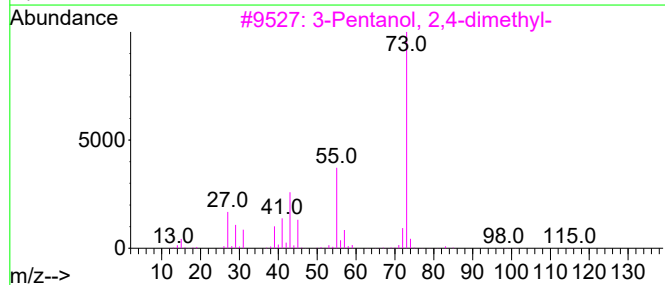
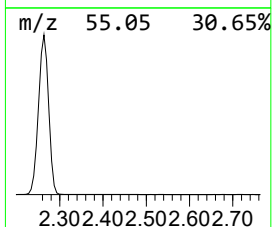
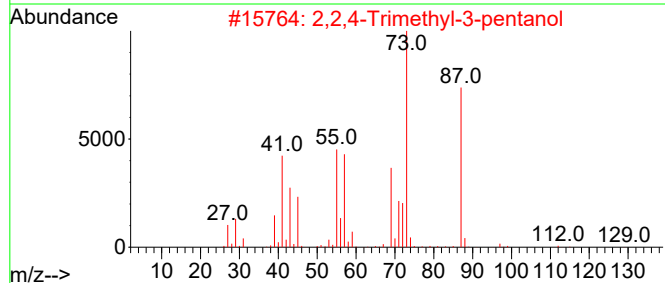
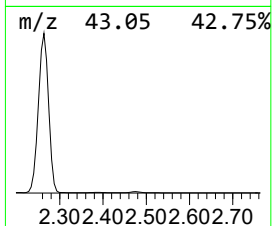
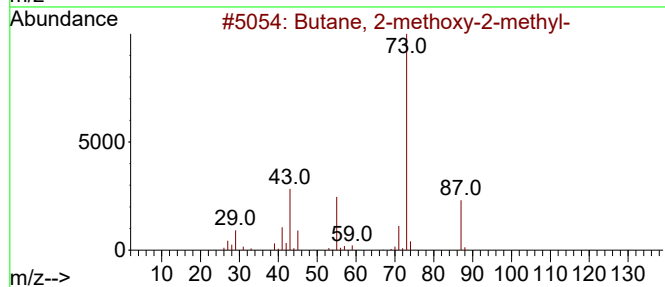
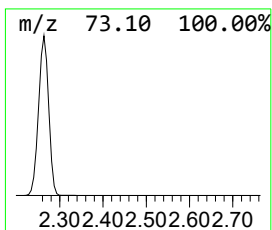
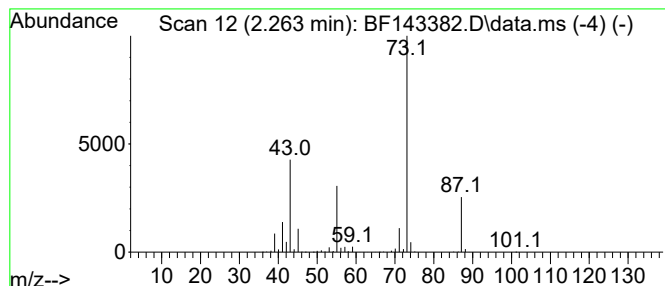
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	89.65 ng	4134330	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

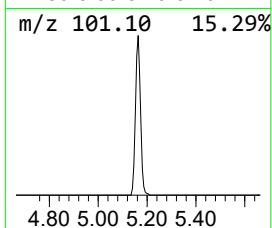
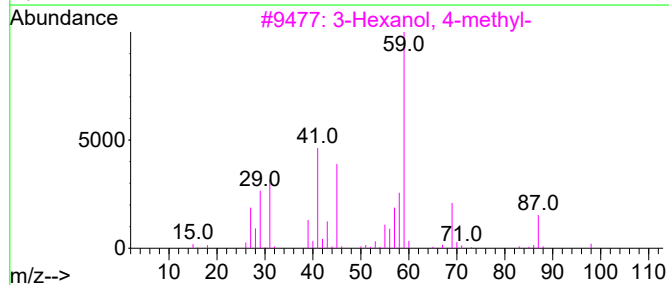
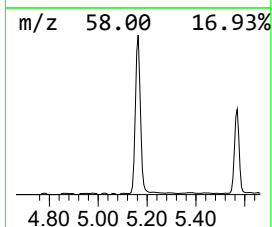
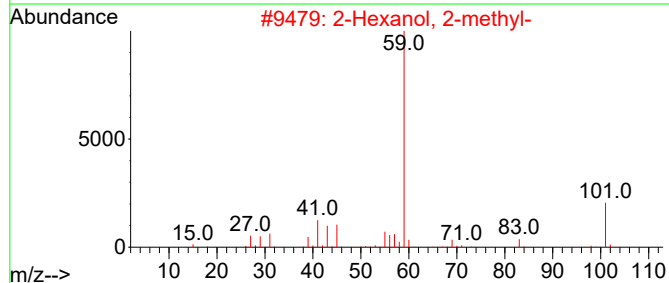
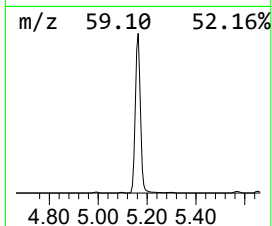
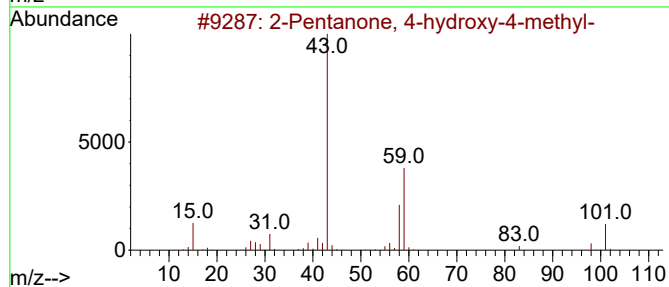
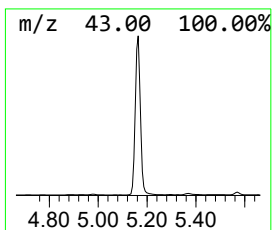
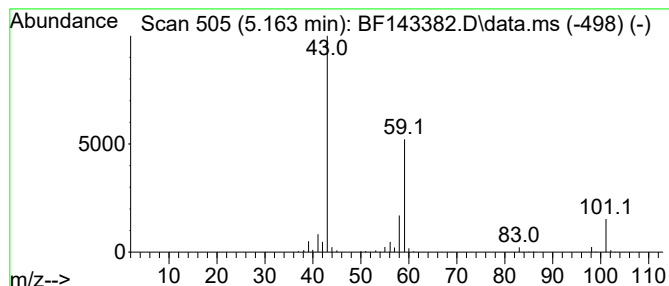
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.163	10.48 ng	483478	1,4-Dichlorobenzene-d4			6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O		000625-23-0	33
3	3-Hexanol, 4-methyl-	116	C7H16O		000615-29-2	33
4	2,3-Butanedione, monooxime	101	C4H7NO2		000057-71-6	27
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2		001116-98-9	23



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

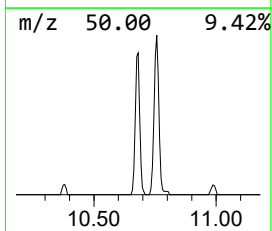
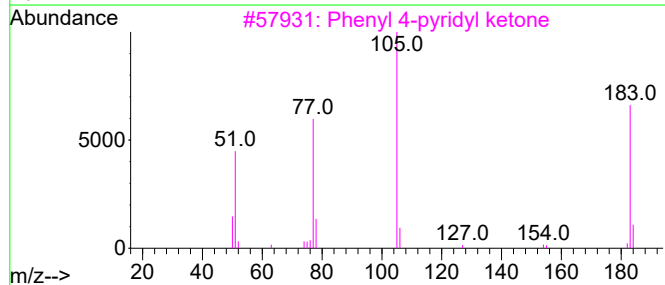
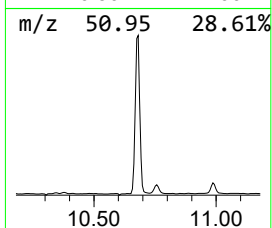
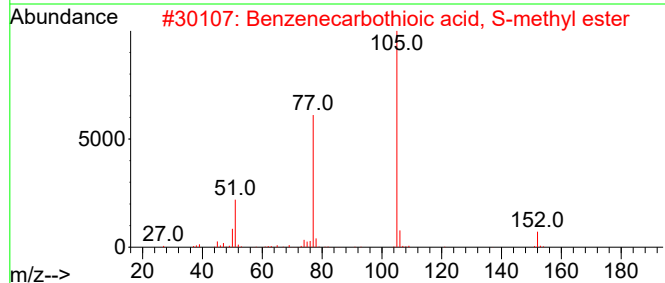
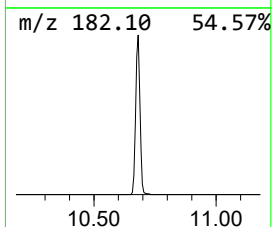
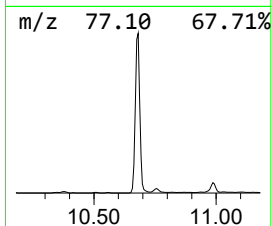
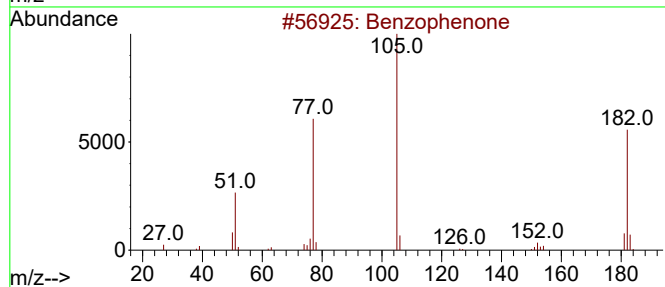
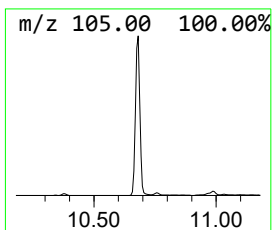
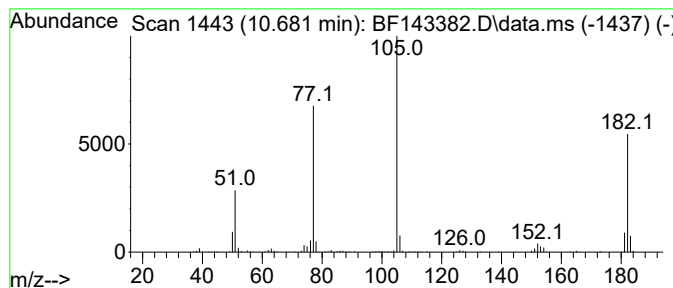
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	4.99 ng	336200	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	58
3			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50
5			Benzenecetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

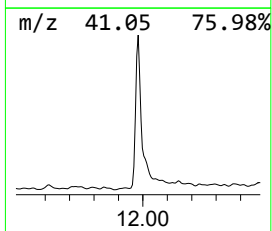
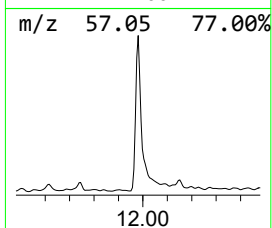
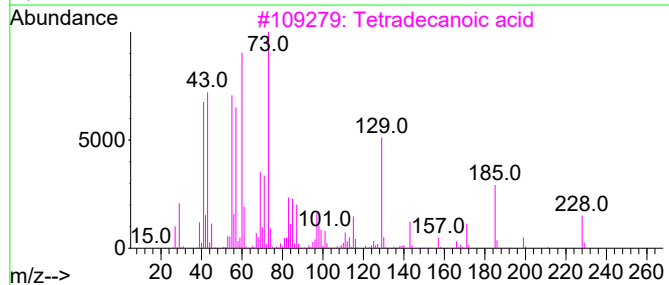
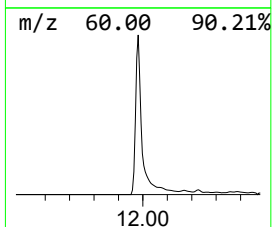
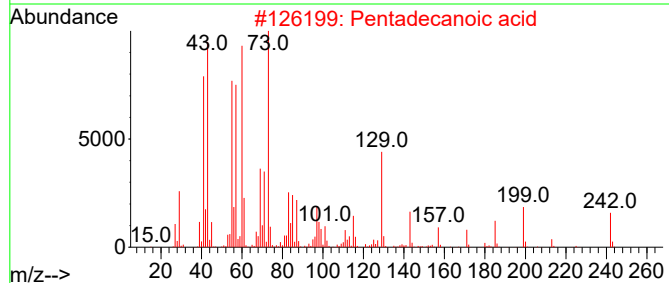
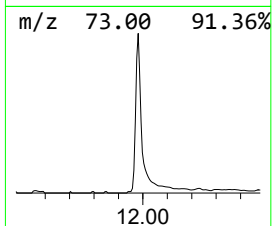
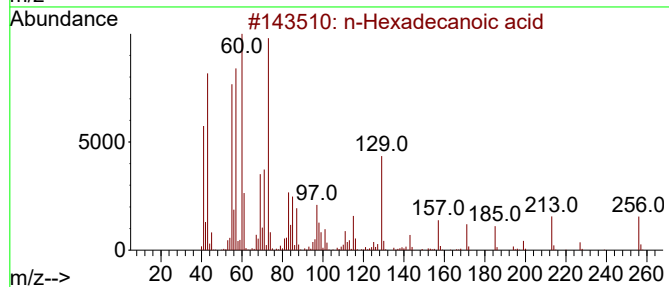
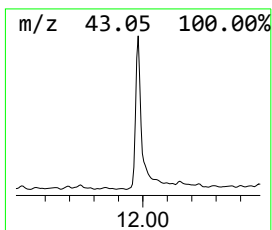
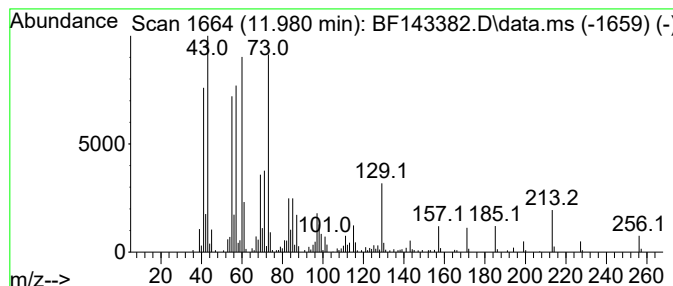
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	6.25 ng	379162	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4			Tridecanoic acid	214	C13H26O2	000638-53-9	74
5			n-Decanoic acid	172	C10H20O2	000334-48-5	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

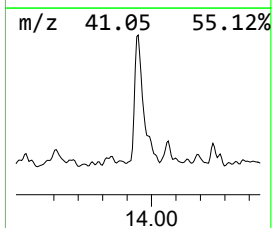
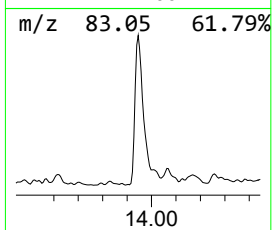
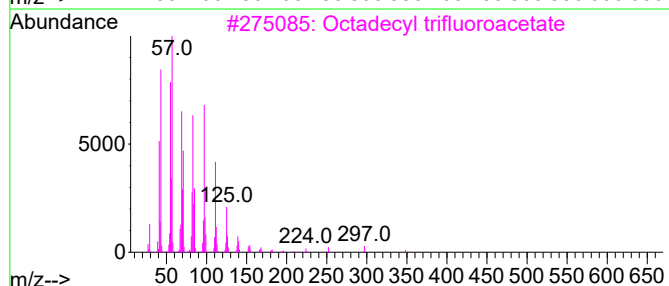
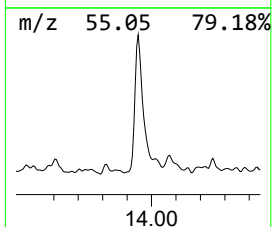
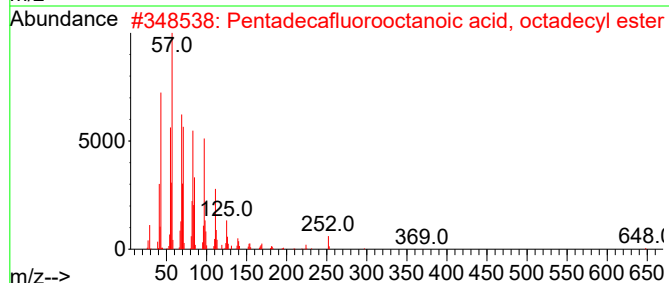
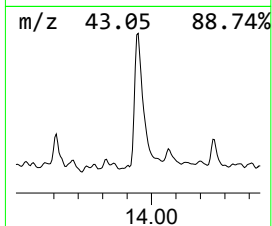
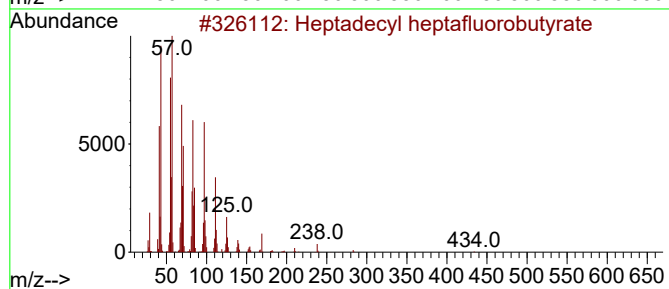
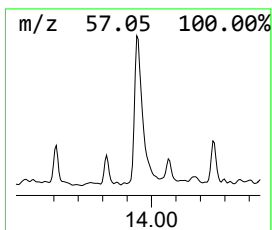
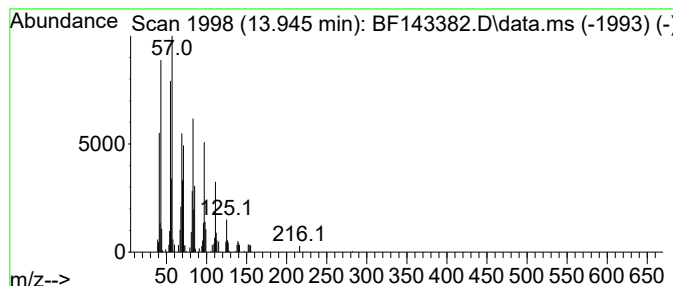
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Heptadecyl heptafluorobutyrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.945	3.20 ng	126908	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
2			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
3			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
4			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
5			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143382.D
Acq On : 14 Aug 2025 15:26
Operator : RC/JU
Sample : Q2814-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.263	89.7	ng	4134330	1	6.934	922299	20.0
2-Pentanone, 4-...	5.163	10.5	ng	483478	1	6.934	922299	20.0
Benzophenone	10.681	5.0	ng	336200	3	9.969	1346560	20.0
n-Hexadecanoic ...	11.980	6.3	ng	379162	4	11.457	1213480	20.0
Heptadecyl hept...	13.945	3.2	ng	126908	5	14.098	793897	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143383.D	1	08/12/25 09:55	08/14/25 15:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.10	U	3.90	8.10	10.1	ug/L
108-95-2	Phenol	4.00	U	0.92	4.00	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.82	4.00	5.10	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.59	4.00	5.10	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.10	ug/L
98-86-2	Acetophenone	4.00	U	0.75	4.00	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.10	U	1.10	8.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.66	4.00	5.10	ug/L
98-95-3	Nitrobenzene	4.00	U	0.77	4.00	5.10	ug/L
78-59-1	Isophorone	4.00	U	0.76	4.00	5.10	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.69	4.00	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.53	4.00	5.10	ug/L
91-20-3	Naphthalene	4.00	U	0.51	4.00	5.10	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.85	4.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.55	4.00	5.10	ug/L
105-60-2	Caprolactam	8.10	U	1.10	8.10	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.60	4.00	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.57	4.00	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.10	U	3.70	8.10	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.52	4.00	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.63	4.00	5.10	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.54	4.00	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.62	4.00	5.10	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.10	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.62	4.00	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143383.D	1	08/12/25 09:55	08/14/25 15:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.76	4.00	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.93	4.00	5.10	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.10	ug/L
83-32-9	Acenaphthene	4.00	U	0.56	4.00	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.10	U	6.00	8.10	10.1	ug/L
100-02-7	4-Nitrophenol	8.10	U	2.40	8.10	10.1	ug/L
132-64-9	Dibenzofuran	4.00	U	0.62	4.00	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.10	ug/L
84-66-2	Diethylphthalate	4.00	U	0.70	4.00	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.69	4.00	5.10	ug/L
86-73-7	Fluorene	4.00	U	0.64	4.00	5.10	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.10	U	2.90	8.10	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.59	4.00	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.10	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.10	ug/L
87-86-5	Pentachlorophenol	8.10	U	1.60	8.10	10.1	ug/L
85-01-8	Phenanthrene	4.00	U	0.51	4.00	5.10	ug/L
120-12-7	Anthracene	4.00	U	0.62	4.00	5.10	ug/L
86-74-8	Carbazole	4.00	U	0.73	4.00	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.10	ug/L
206-44-0	Fluoranthene	4.00	U	0.83	4.00	5.10	ug/L
129-00-0	Pyrene	4.00	U	0.51	4.00	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.10	U	0.94	8.10	10.1	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.10	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.10	U	2.40	8.10	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143383.D	1	08/12/25 09:55	08/14/25 15:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.56	4.00	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.60	4.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.68	4.00	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.70	4.00	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.73	4.00	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	47.1		19 - 119	31%	SPK: 150
13127-88-3	Phenol-d6	41.8		10 - 130	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.7		44 - 120	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.0	*	44 - 119	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.3		43 - 140	46%	SPK: 150
1718-51-0	Terphenyl-d14	43.7	*	50 - 134	44%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	146000	6.934
1146-65-2	Naphthalene-d8	556000	8.21
15067-26-2	Acenaphthene-d10	299000	9.969
1517-22-2	Phenanthrene-d10	461000	11.457
1719-03-5	Chrysene-d12	255000	14.098
1520-96-3	Perylene-d12	257000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	83.3	JB	2.26	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.70	AB	5.16	ug/L
000119-61-9	Benzophenone	9.00	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	4.80	J	12.0	ug/L
002425-77-6	1-Decanol, 2-hexyl-	4.20	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143383.D	1	08/12/25 09:55	08/14/25 15:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

Quant Time: Aug 14 16:17:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	145768	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	556147	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	299418	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	460766	20.000	ng	0.00
76) Chrysene-d12	14.098	240	254834	20.000	ng	0.00
86) Perylene-d12	15.592	264	257431	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	396802	47.073	ng	0.00
7) Phenol-d6	6.557	99	451820	41.797	ng	0.00
23) Nitrobenzene-d5	7.487	82	390120	43.683	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	149481	68.312	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	705425	39.952	ng	0.00
79) Terphenyl-d14	13.039	244	623519	43.683	ng	0.00

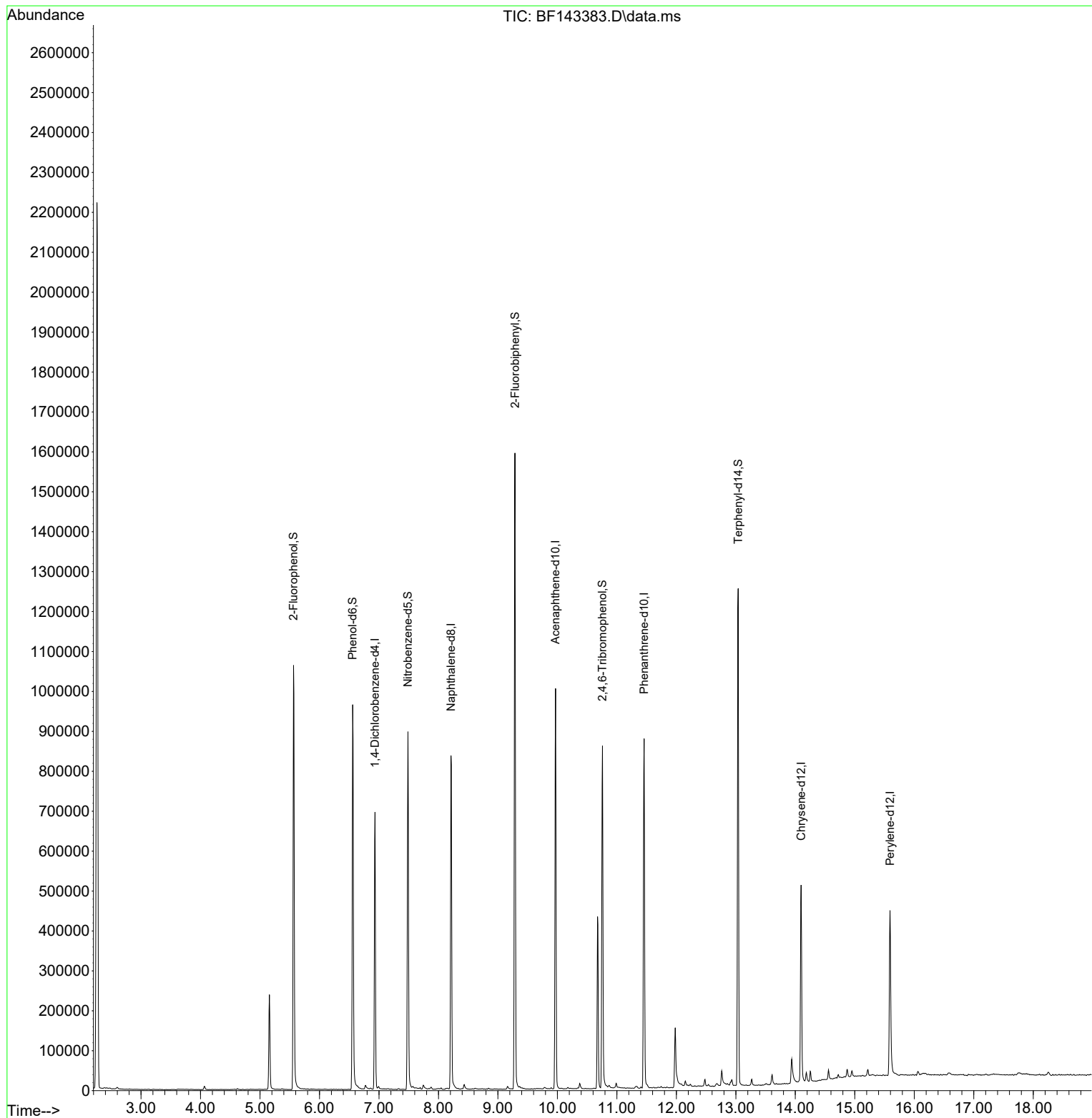
Target Compounds	Qvalue
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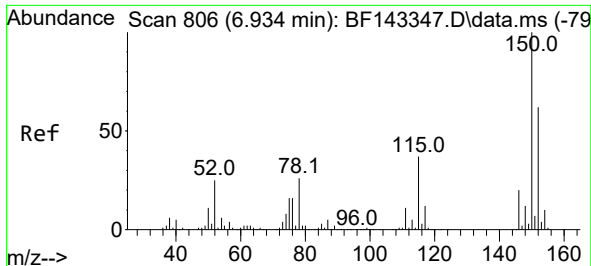
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

Quant Time: Aug 14 16:17:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

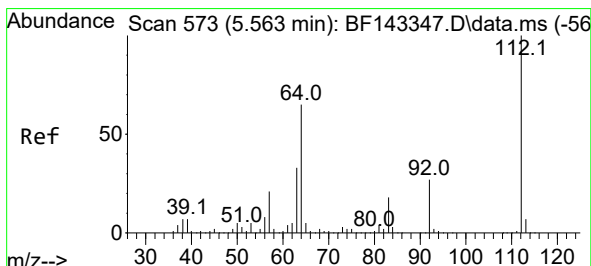
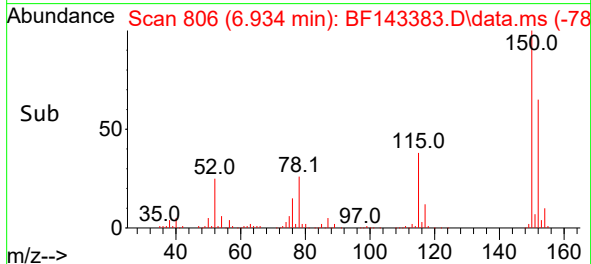
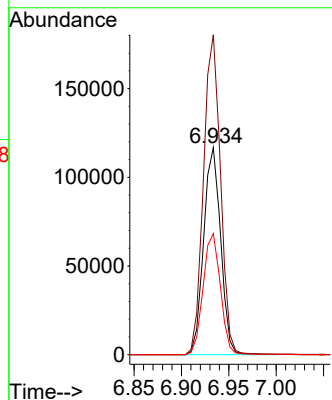
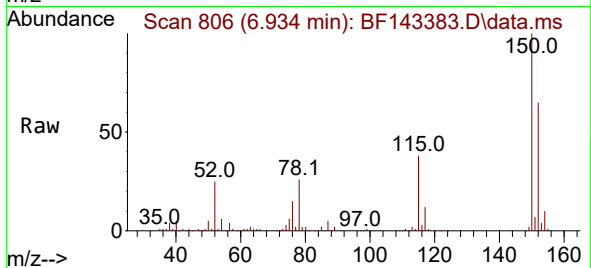




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143383.D
Acq: 14 Aug 2025 15:56

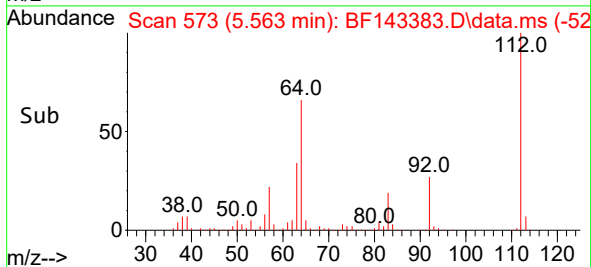
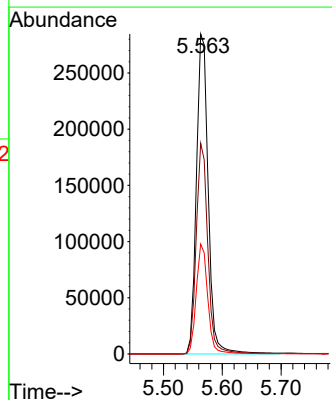
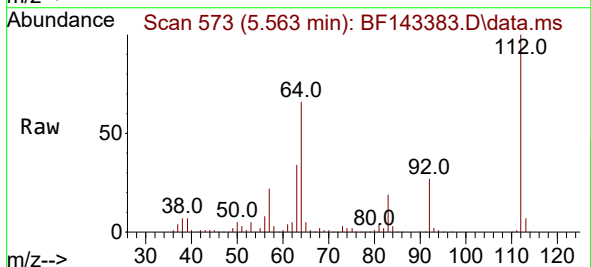
Instrument :
BNA_F
ClientSampleId :
TW-82H-E

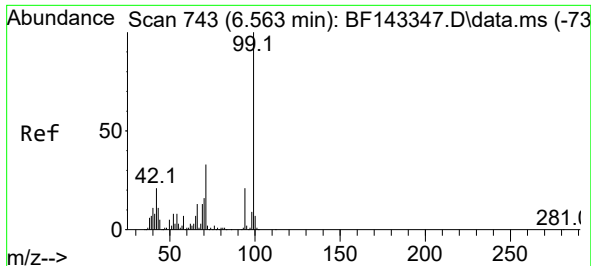
Tgt Ion:152 Resp: 145768
Ion Ratio Lower Upper
152 100
150 154.4 129.8 194.8
115 58.5 47.8 71.8



#5
2-Fluorophenol
Concen: 47.073 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143383.D
Acq: 14 Aug 2025 15:56

Tgt Ion:112 Resp: 396802
Ion Ratio Lower Upper
112 100
64 65.9 52.1 78.1
63 34.4 26.6 39.8

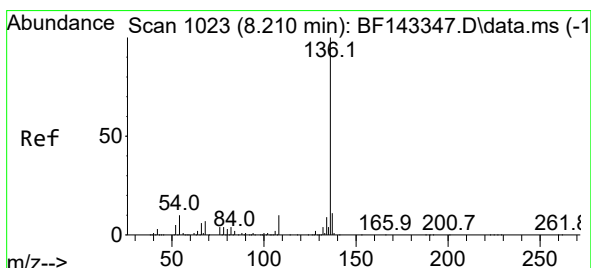
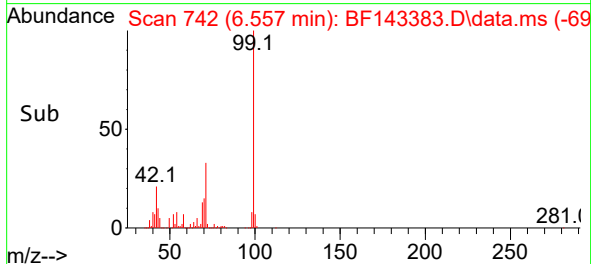
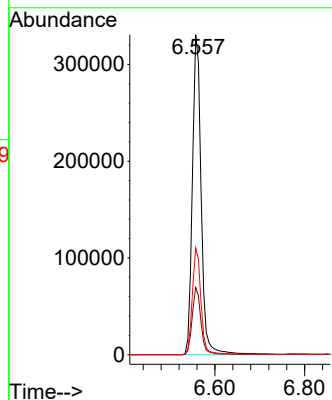
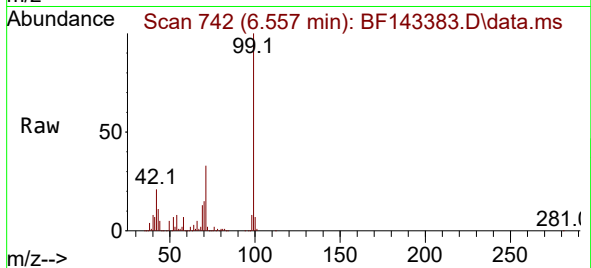




#7
Phenol-d6
Concen: 41.797 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143383.D
Acq: 14 Aug 2025 15:56

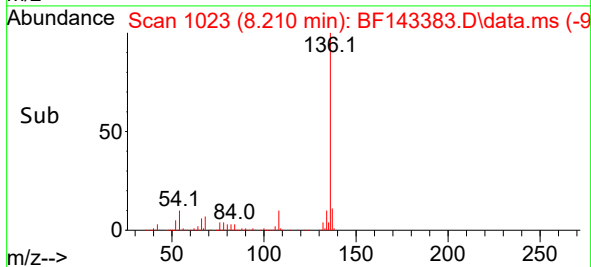
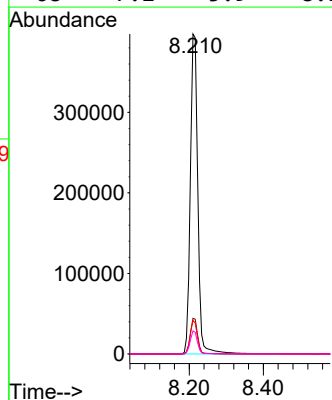
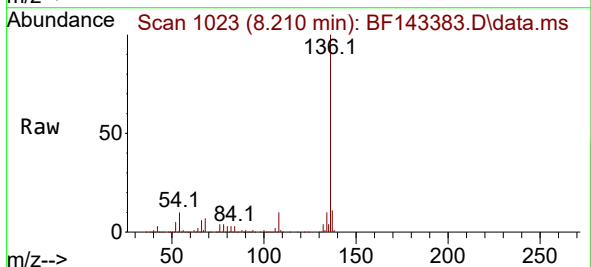
Instrument :
BNA_F
ClientSampleId :
TW-82H-E

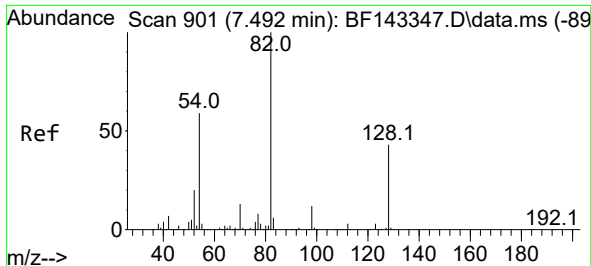
Tgt Ion: 99 Resp: 451820
Ion Ratio Lower Upper
99 100
42 21.0 16.6 25.0
71 33.3 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143383.D
Acq: 14 Aug 2025 15:56

Tgt Ion: 136 Resp: 556147
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 10.4 8.4 12.6
68 7.2 5.9 8.9





#23

Nitrobenzene-d5

Concen: 43.683 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143383.D

Acq: 14 Aug 2025 15:56

Instrument :

BNA_F

ClientSampleId :

TW-82H-E

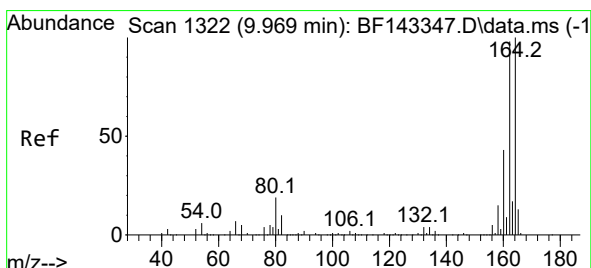
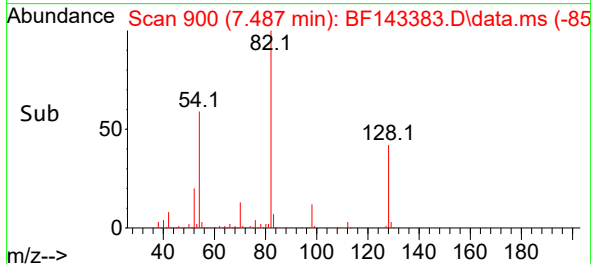
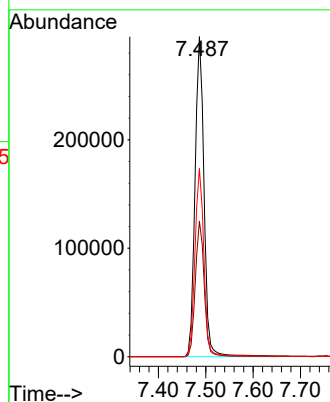
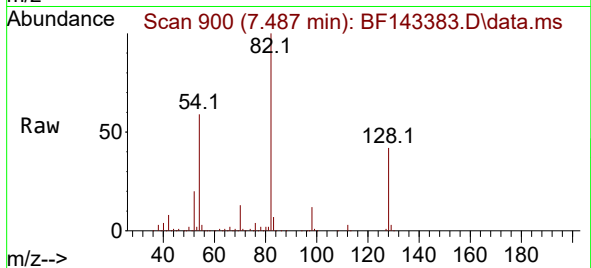
Tgt Ion: 82 Resp: 390120

Ion Ratio Lower Upper

82 100

128 42.4 33.5 50.3

54 58.8 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143383.D

Acq: 14 Aug 2025 15:56

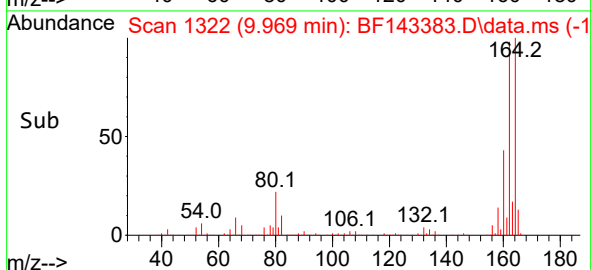
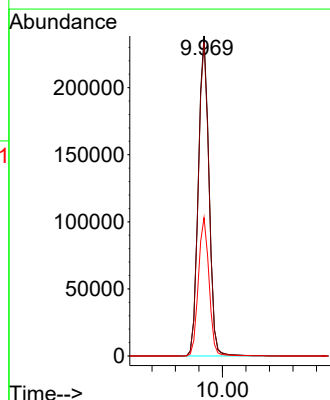
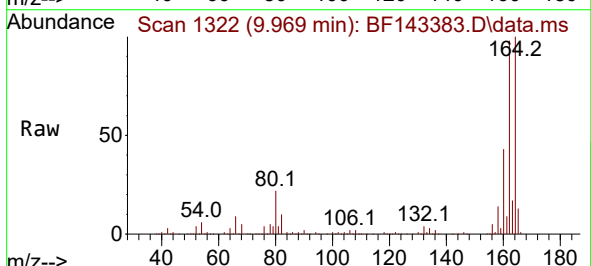
Tgt Ion: 164 Resp: 299418

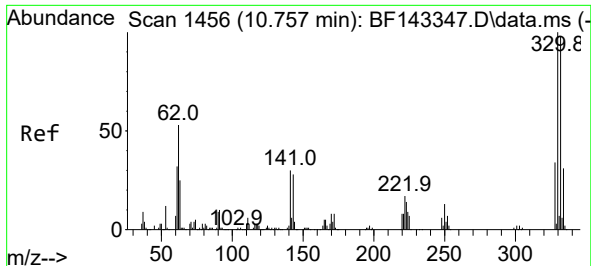
Ion Ratio Lower Upper

164 100

162 98.0 78.6 118.0

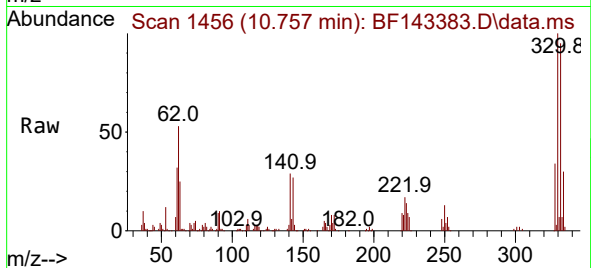
160 43.2 34.4 51.6



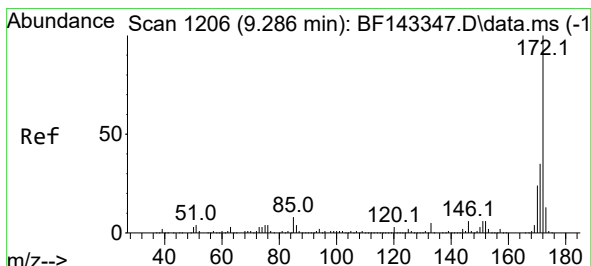
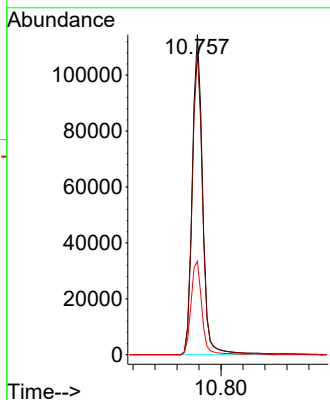
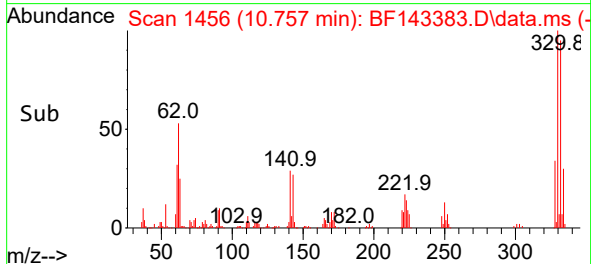


#42
2,4,6-Tribromophenol
Concen: 68.312 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143383.D
Acq: 14 Aug 2025 15:56

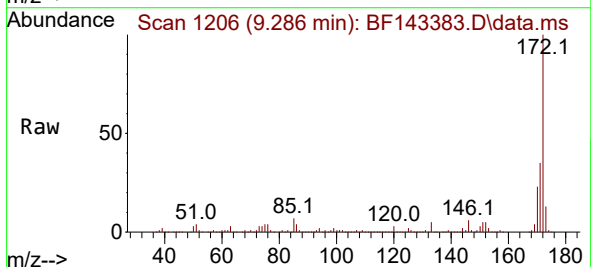
Instrument :
BNA_F
ClientSampleId :
TW-82H-E



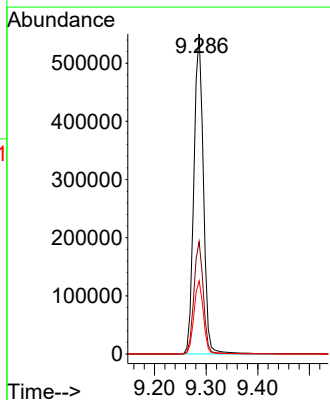
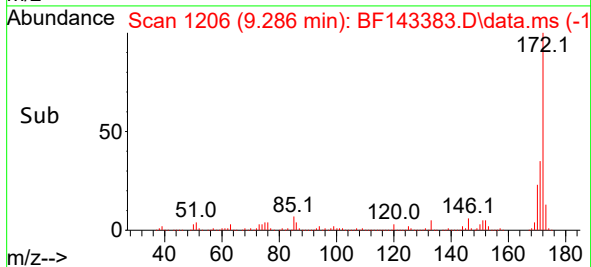
Tgt Ion: 330 Resp: 149481
Ion Ratio Lower Upper
330 100
332 94.9 78.1 117.1
141 30.5 25.4 38.0

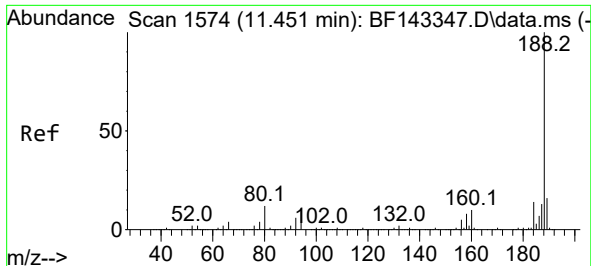


#45
2-Fluorobiphenyl
Concen: 39.952 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143383.D
Acq: 14 Aug 2025 15:56



Tgt Ion: 172 Resp: 705425
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 22.8 19.1 28.7

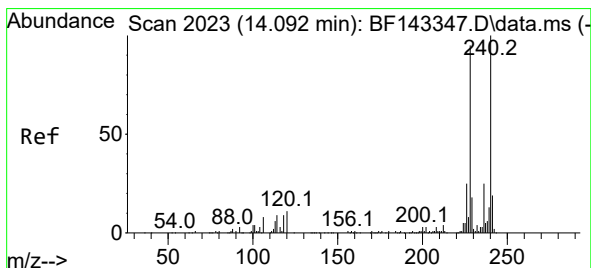
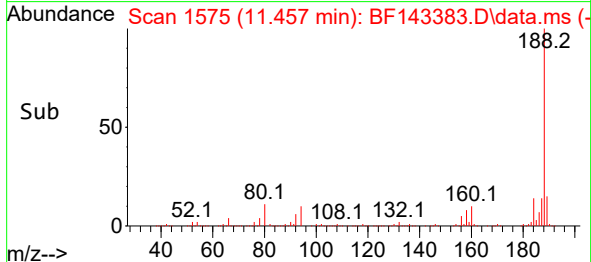
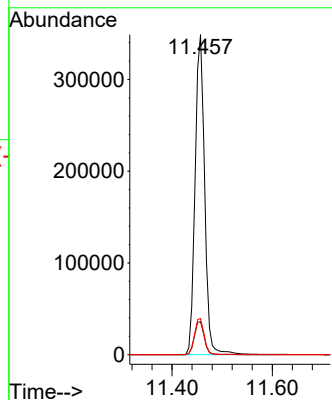
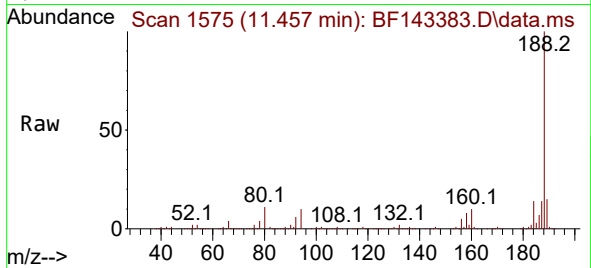




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143383.D
Acq: 14 Aug 2025 15:56

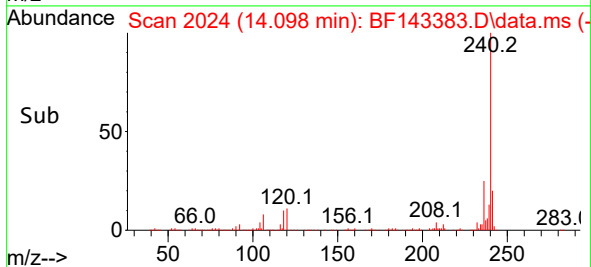
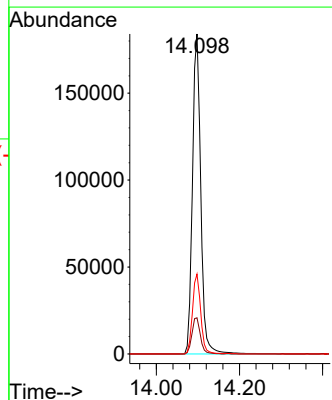
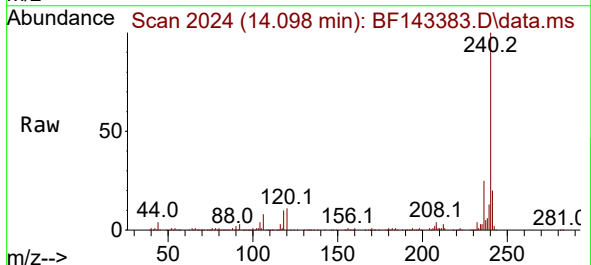
Instrument :
BNA_F
ClientSampleId :
TW-82H-E

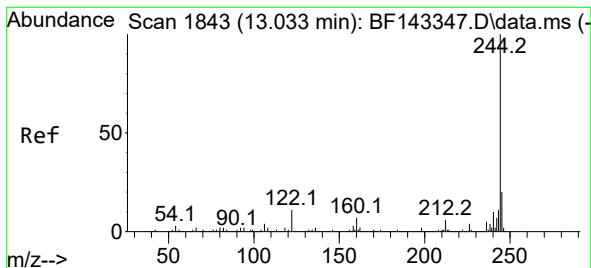
Tgt Ion:188 Resp: 460766
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 11.3 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143383.D
Acq: 14 Aug 2025 15:56

Tgt Ion:240 Resp: 254834
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.6
236 24.9 19.9 29.9





#79

Terphenyl-d14

Concen: 43.683 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143383.D

Acq: 14 Aug 2025 15:56

Instrument :

BNA_F

ClientSampleId :

TW-82H-E

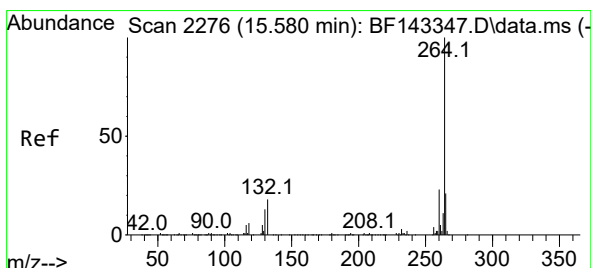
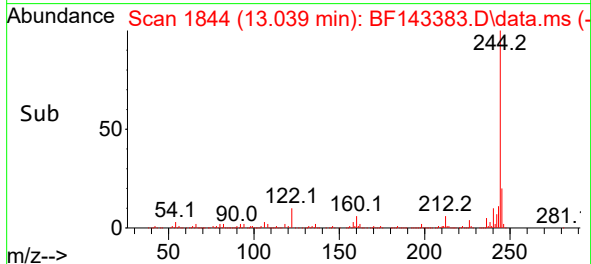
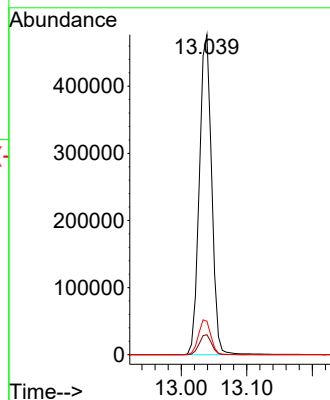
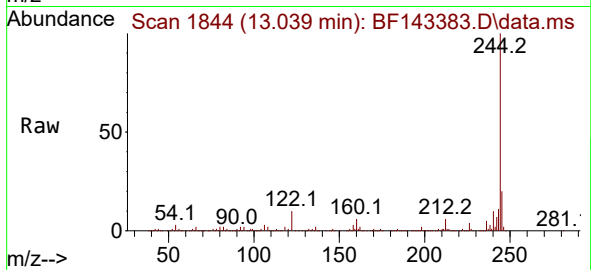
Tgt Ion:244 Resp: 623519

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 10.5 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143383.D

Acq: 14 Aug 2025 15:56

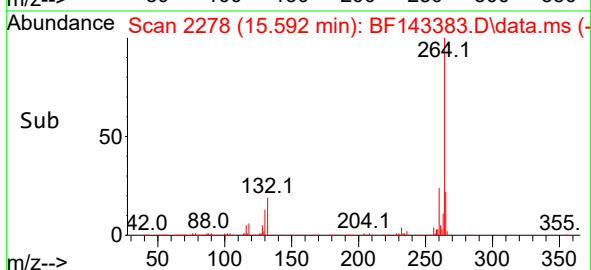
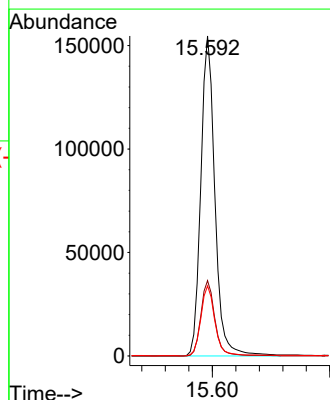
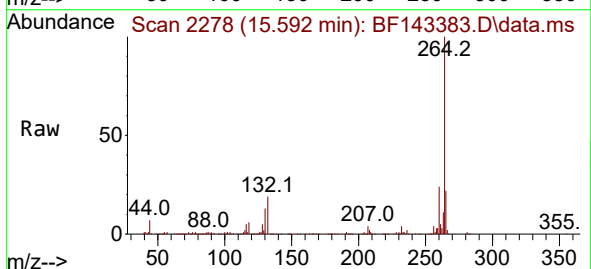
Tgt Ion:264 Resp: 257431

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.9 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143383.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.257	3	11	29	rVB	2218536	3608721	100.00%	18.420%
2	5.157	497	504	521	rVB	236946	331623	9.19%	1.693%
3	5.563	568	573	594	rBV	1062584	1461082	40.49%	7.458%
4	6.557	737	742	763	rBV	963581	1329397	36.84%	6.786%
5	6.934	800	806	812	rBV	694013	874697	24.24%	4.465%
6	7.487	894	900	911	rBV	896175	1175796	32.58%	6.002%
7	8.210	1018	1023	1042	rBV	834733	1146403	31.77%	5.852%
8	9.286	1200	1206	1217	rBV	1592802	2039614	56.52%	10.411%
9	9.969	1316	1322	1335	rBV	1002346	1261726	34.96%	6.440%
10	10.675	1437	1442	1451	rBV	430167	559316	15.50%	2.855%
11	10.757	1451	1456	1471	rVV	856708	1142893	31.67%	5.834%
12	11.457	1569	1575	1590	rBV	875125	1156093	32.04%	5.901%
13	11.980	1659	1664	1679	rBV2	149295	275263	7.63%	1.405%
14	12.763	1792	1797	1811	rBV	36736	76329	2.12%	0.390%
15	13.039	1838	1844	1856	rBV	1244445	1641176	45.48%	8.377%
16	13.939	1992	1997	2010	rBV	60559	137062	3.80%	0.700%
17	14.098	2018	2024	2034	rVB	490520	665062	18.43%	3.395%
18	15.592	2272	2278	2291	rBV	412845	708599	19.64%	3.617%

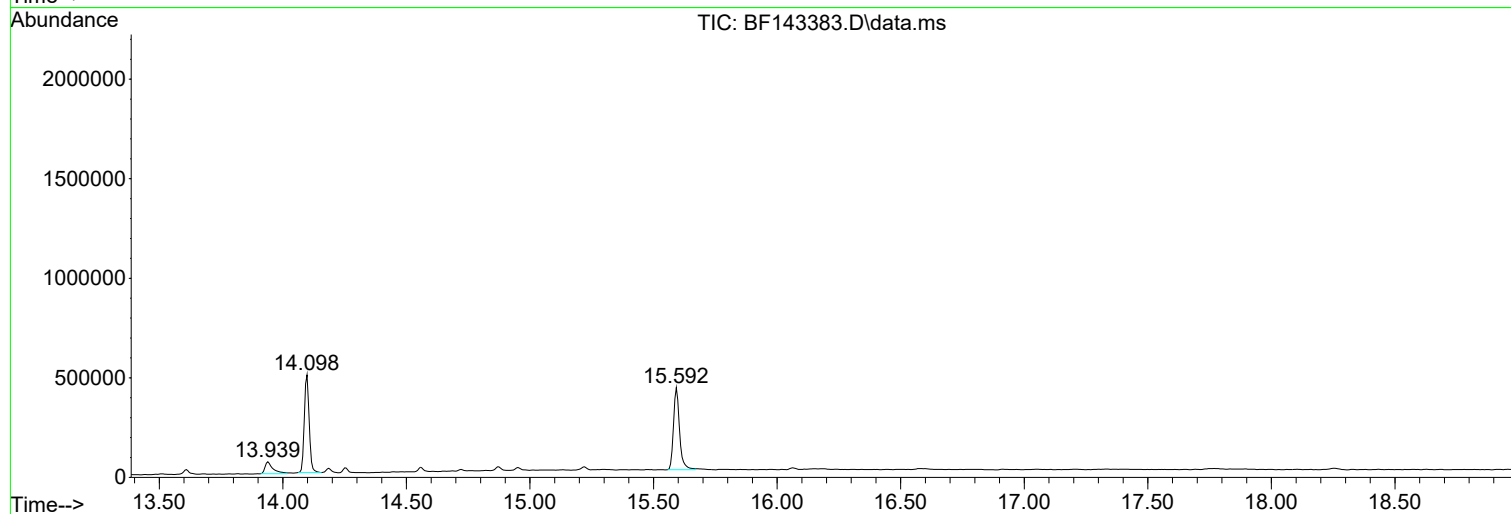
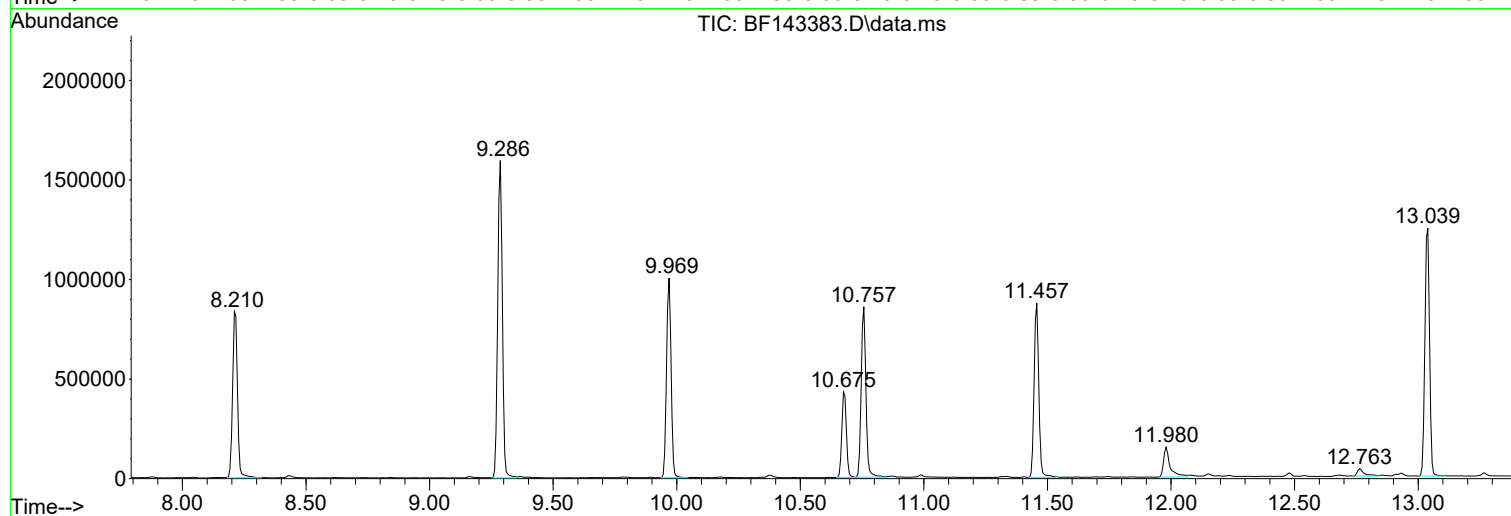
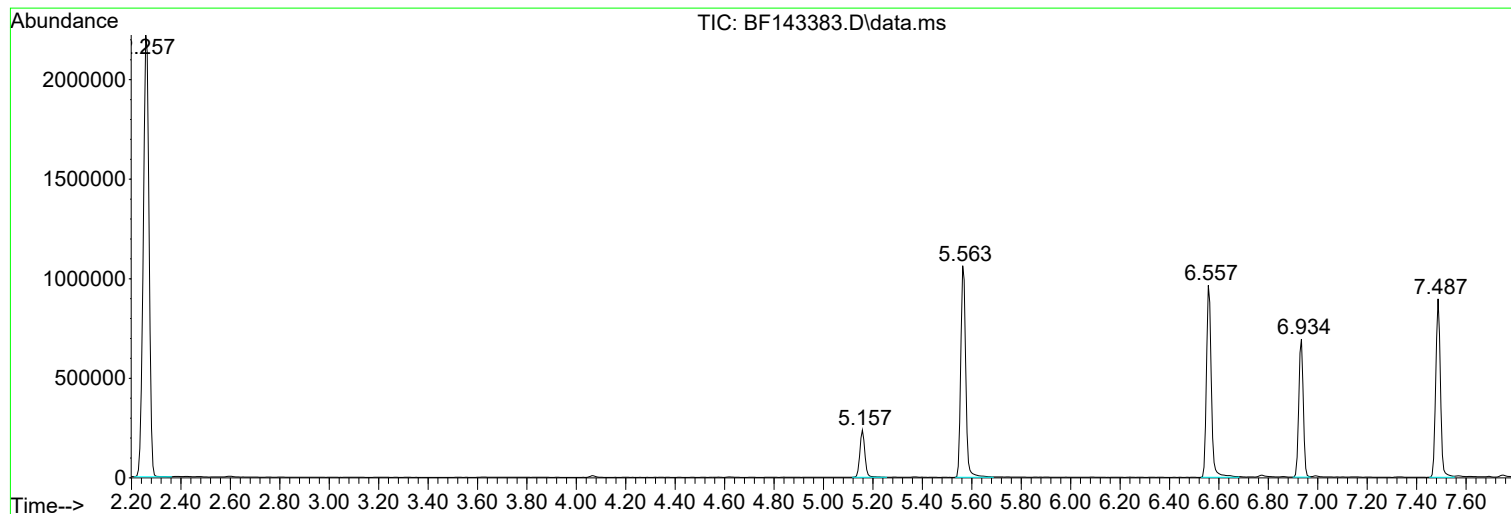
Sum of corrected areas: 19590852

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

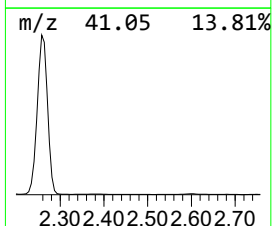
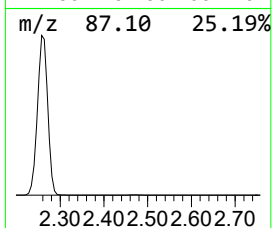
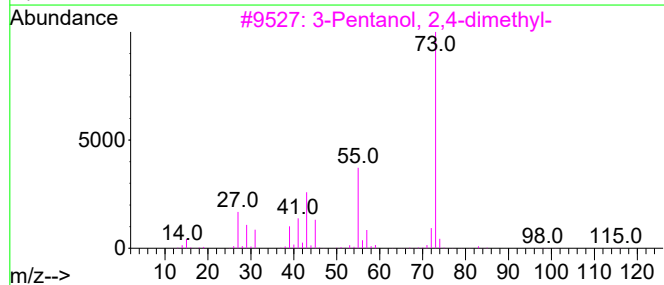
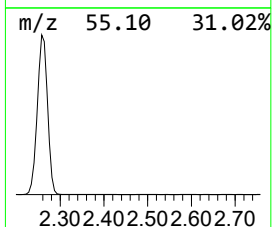
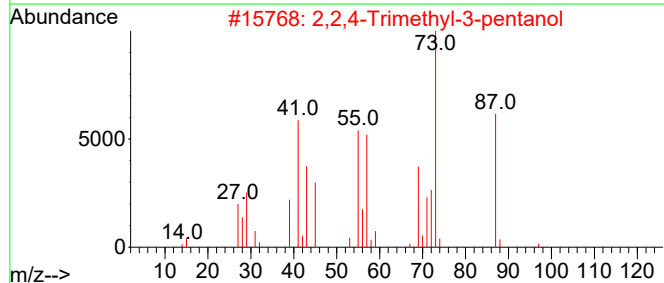
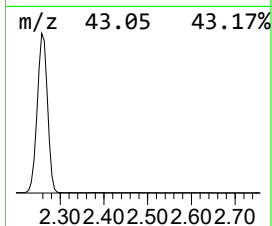
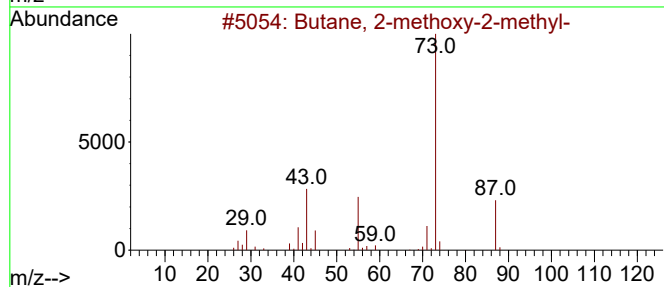
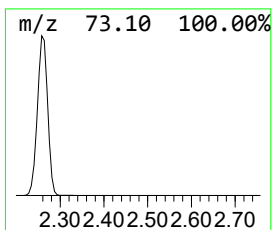
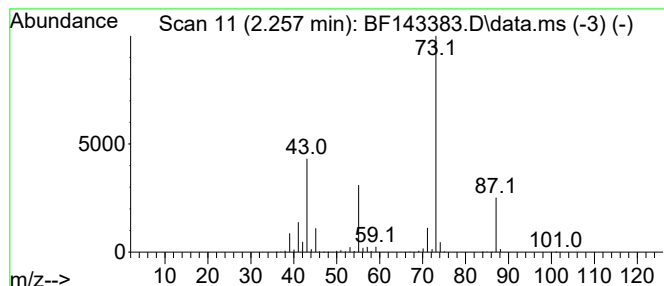
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.257	82.51 ng	3608720	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

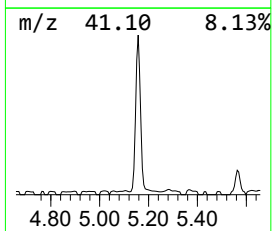
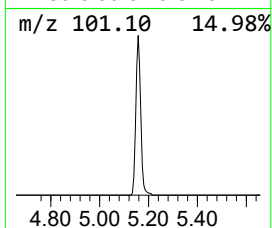
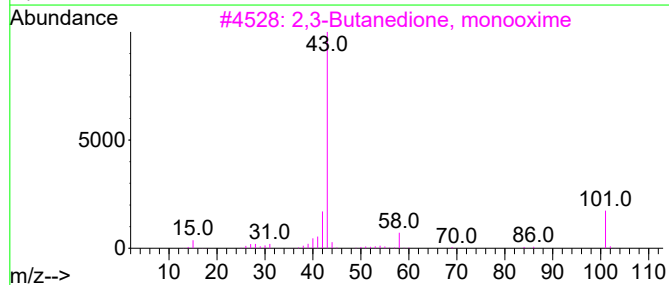
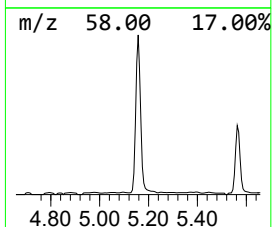
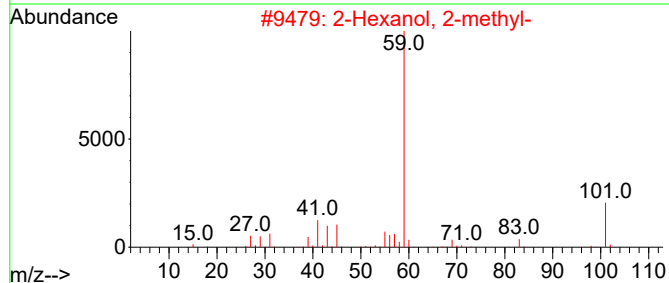
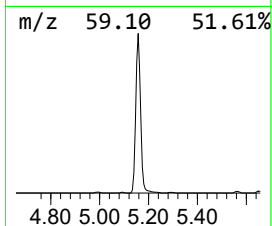
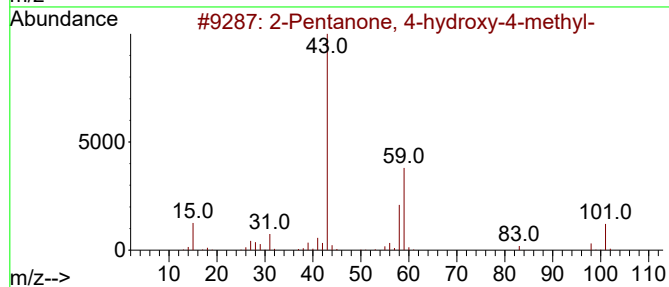
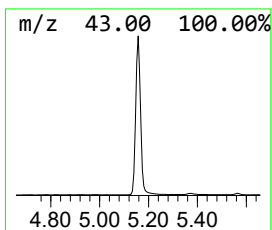
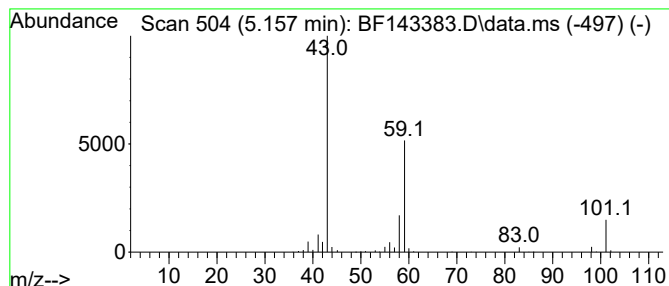
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.157	7.58 ng	331623	1,4-Dichlorobenzene-d4			6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33	
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27	
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23	
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

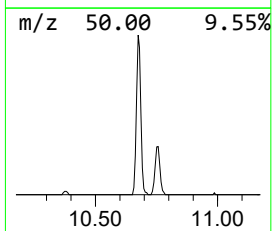
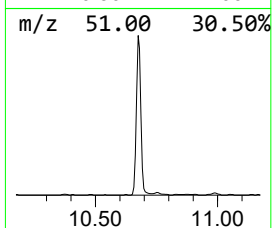
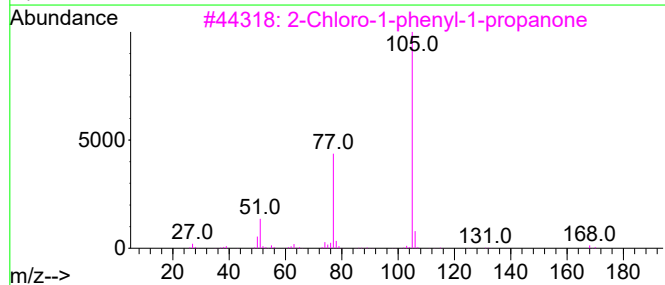
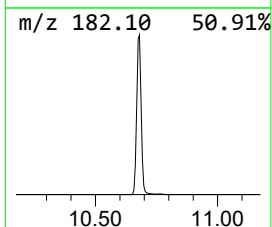
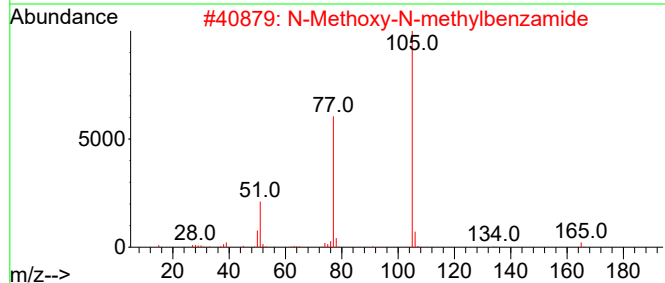
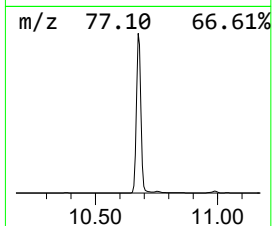
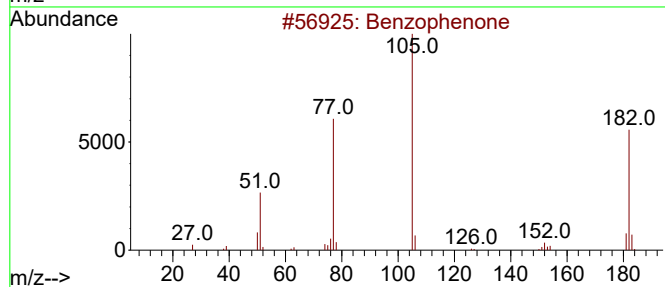
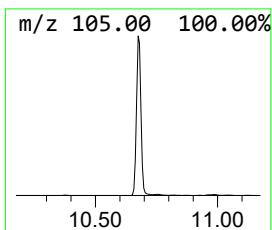
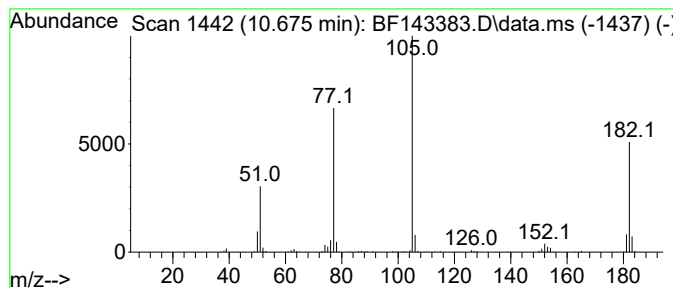
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	8.87 ng	559316	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	50
3			2-Chloro-1-phenyl-1-propanone	168	C9H9ClO	006084-17-9	50
4			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	50
5			Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

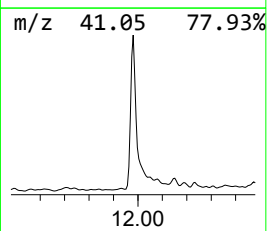
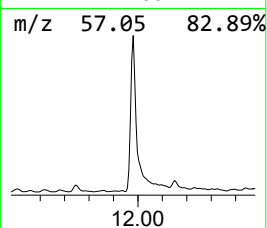
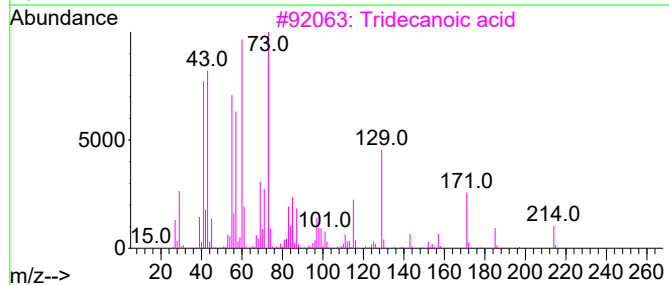
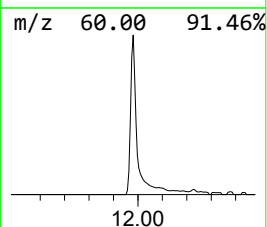
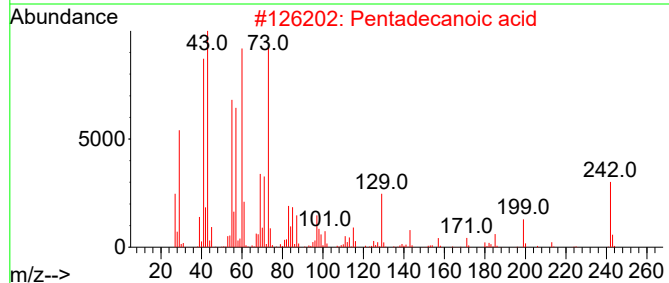
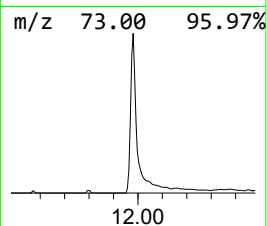
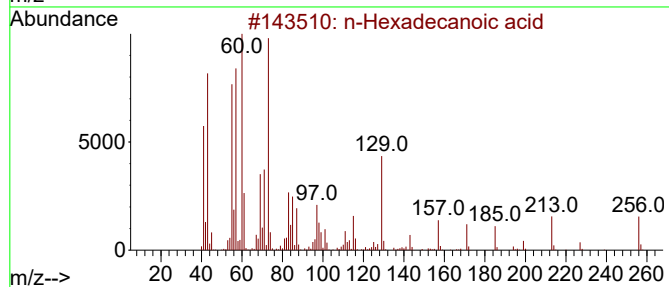
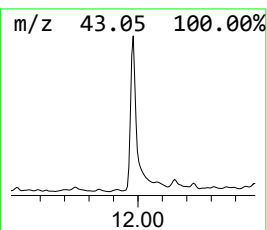
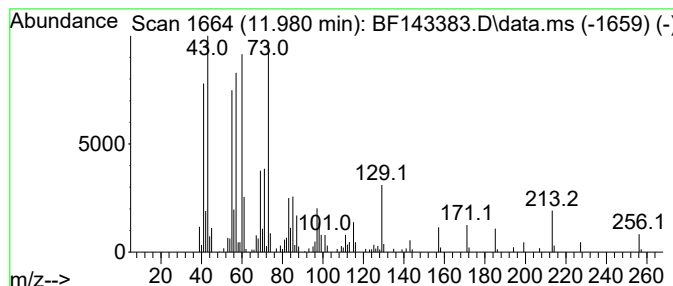
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	4.76 ng	275263	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3			Tridecanoic acid	214	C13H26O2	000638-53-9	70
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5			n-Decanoic acid	172	C10H20O2	000334-48-5	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

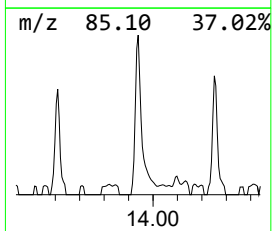
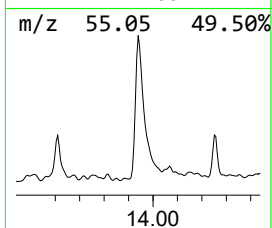
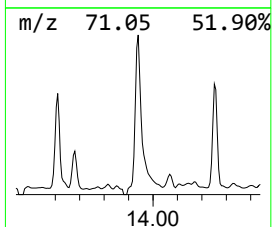
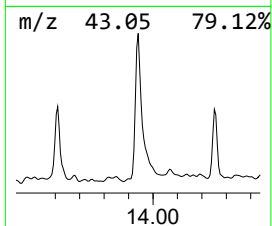
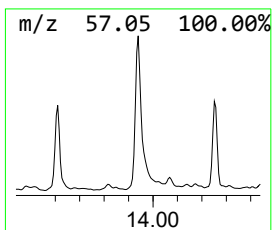
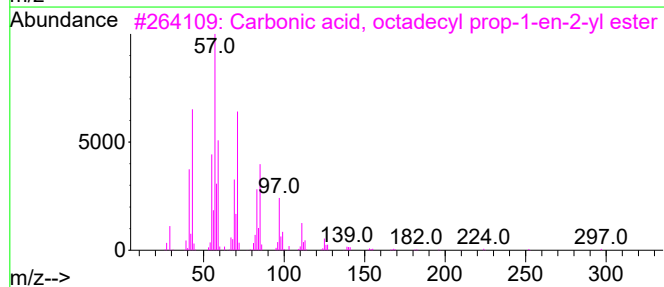
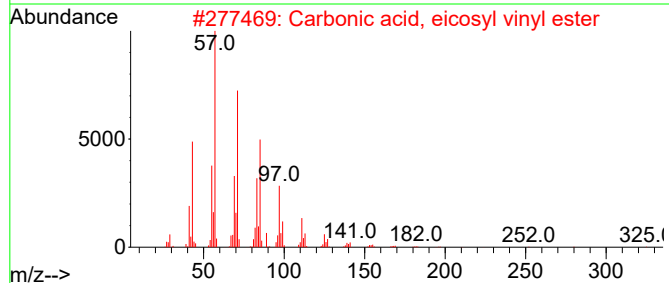
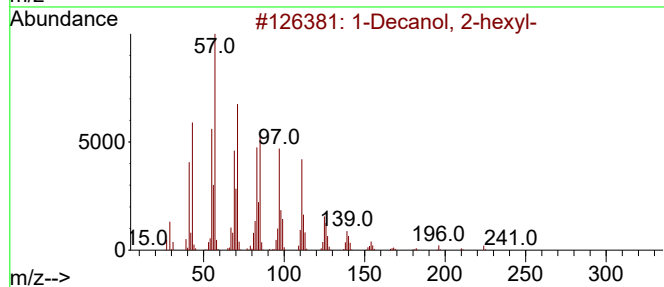
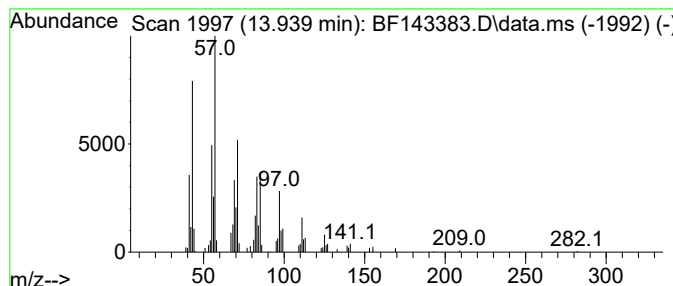
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Decanol, 2-hexyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	4.12 ng	137062	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-hexyl-			242	C16H34O	002425-77-6	91
2	Carbonic acid, eicosyl vinyl ester			368	C23H44O3	1000382-54-3	91
3	Carbonic acid, octadecyl prop-1-...			354	C22H42O3	1000383-11-5	91
4	Carbonic acid, octadecyl vinyl e...			340	C21H40O3	1000382-54-4	91
5	Sulfurous acid, octadecyl 2-prop...			376	C21H44O3S	1000309-12-7	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143383.D
Acq On : 14 Aug 2025 15:56
Operator : RC/JU
Sample : Q2814-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.257	82.5	ng	3608720	1	6.934	874697	20.0
2-Pentanone, 4-...	5.157	7.6	ng	331623	1	6.934	874697	20.0
Benzophenone	10.675	8.9	ng	559316	3	9.969	1261730	20.0
n-Hexadecanoic ...	11.980	4.8	ng	275263	4	11.457	1156090	20.0
1-Decanol, 2-he...	13.939	4.1	ng	137062	5	14.098	665062	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-ERE	SDG No.:	Q2814
Lab Sample ID:	Q2814-05RE	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025426.D	1	08/12/25 09:55	08/15/25 14:08	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.10	U	3.90	8.10	10.1	ug/L
108-95-2	Phenol	4.00	U	0.92	4.00	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.82	4.00	5.10	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.59	4.00	5.10	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.10	ug/L
98-86-2	Acetophenone	4.00	U	0.75	4.00	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.10	U	1.10	8.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.66	4.00	5.10	ug/L
98-95-3	Nitrobenzene	4.00	U	0.77	4.00	5.10	ug/L
78-59-1	Isophorone	4.00	U	0.76	4.00	5.10	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.69	4.00	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.53	4.00	5.10	ug/L
91-20-3	Naphthalene	4.00	U	0.51	4.00	5.10	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.85	4.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.55	4.00	5.10	ug/L
105-60-2	Caprolactam	8.10	U	1.10	8.10	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.60	4.00	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.57	4.00	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.10	U	3.70	8.10	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.52	4.00	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.63	4.00	5.10	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.54	4.00	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.62	4.00	5.10	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.10	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.62	4.00	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-ERE	SDG No.:	Q2814
Lab Sample ID:	Q2814-05RE	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025426.D	1	08/12/25 09:55	08/15/25 14:08	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.76	4.00	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.93	4.00	5.10	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.10	ug/L
83-32-9	Acenaphthene	4.00	U	0.56	4.00	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.10	U	6.00	8.10	10.1	ug/L
100-02-7	4-Nitrophenol	8.10	U	2.40	8.10	10.1	ug/L
132-64-9	Dibenzofuran	4.00	U	0.62	4.00	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.10	ug/L
84-66-2	Diethylphthalate	4.00	U	0.70	4.00	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.69	4.00	5.10	ug/L
86-73-7	Fluorene	4.00	U	0.64	4.00	5.10	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.10	U	2.90	8.10	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.59	4.00	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.10	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.10	ug/L
87-86-5	Pentachlorophenol	8.10	U	1.60	8.10	10.1	ug/L
85-01-8	Phenanthrene	4.00	U	0.51	4.00	5.10	ug/L
120-12-7	Anthracene	4.00	U	0.62	4.00	5.10	ug/L
86-74-8	Carbazole	4.00	U	0.73	4.00	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.10	ug/L
206-44-0	Fluoranthene	4.00	U	0.83	4.00	5.10	ug/L
129-00-0	Pyrene	4.00	U	0.51	4.00	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.10	U	0.94	8.10	10.1	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.10	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.10	U	2.40	8.10	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-ERE	SDG No.:	Q2814
Lab Sample ID:	Q2814-05RE	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025426.D	1	08/12/25 09:55	08/15/25 14:08	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.56	4.00	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.60	4.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.68	4.00	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.70	4.00	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.73	4.00	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	44.2		19 - 119	29%	SPK: 150
13127-88-3	Phenol-d6	38.7		10 - 130	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.6	*	44 - 120	35%	SPK: 100
321-60-8	2-Fluorobiphenyl	31.4	*	44 - 119	31%	SPK: 100
118-79-6	2,4,6-Tribromophenol	53.9	*	43 - 140	36%	SPK: 150
1718-51-0	Terphenyl-d14	32.8	*	50 - 134	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	138000	7.79
1146-65-2	Naphthalene-d8	541000	10.554
15067-26-2	Acenaphthene-d10	371000	14.401
1517-22-2	Phenanthrene-d10	763000	17.201
1719-03-5	Chrysene-d12	865000	21.63
1520-96-3	Perylene-d12	963000	24.989

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025426.D
Acq On : 15 Aug 2025 14:08
Operator : CG/JU
Sample : Q2814-05RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-82H-ERE

Quant Time: Aug 15 14:58:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137678	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	540790	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	370556	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	763380	20.000	ng	0.00
76) Chrysene-d12	21.630	240	864878	20.000	ng	-0.02
86) Perylene-d12	24.989	264	962910	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	366124	44.163	ng	0.00
7) Phenol-d6	6.960	99	411090	38.676	ng	0.00
23) Nitrobenzene-d5	8.925	82	370302	34.638	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	269048	53.942	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	850812	31.380	ng	0.00
79) Terphenyl-d14	19.912	244	1548316	32.753	ng	0.00

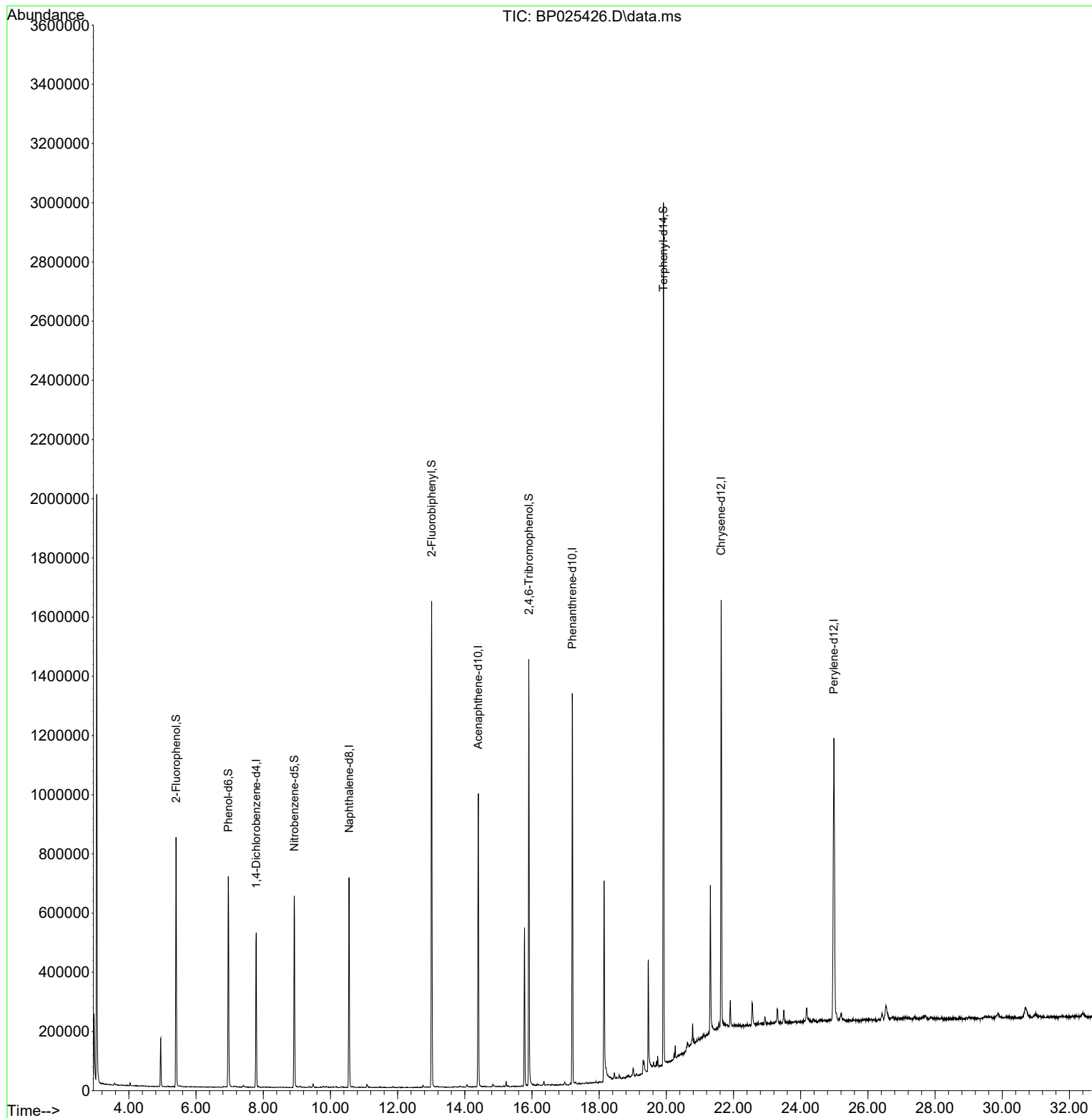
Target Compounds	Qvalue
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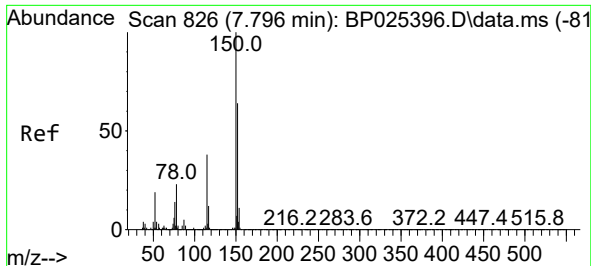
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025426.D
Acq On : 15 Aug 2025 14:08
Operator : CG/JU
Sample : Q2814-05RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-82H-ERE

Quant Time: Aug 15 14:58:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

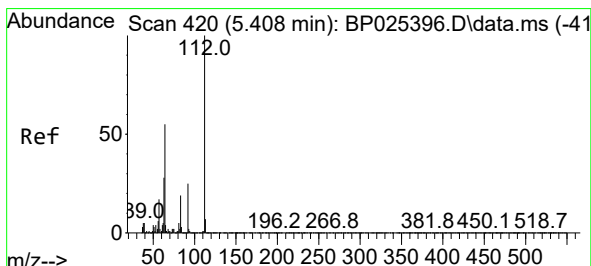
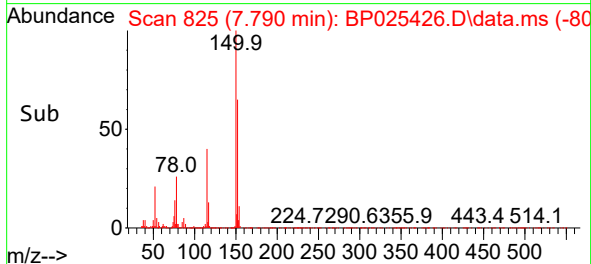
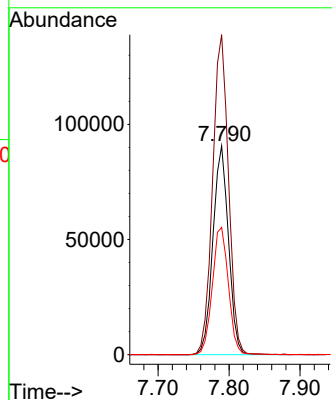
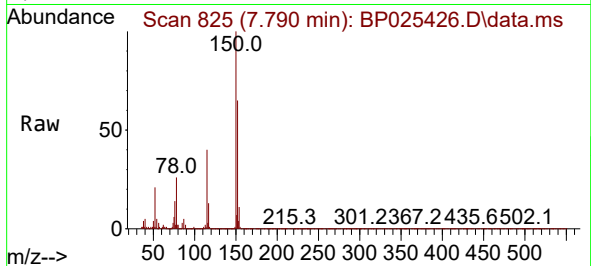




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025426.D
 Acq: 15 Aug 2025 14:08

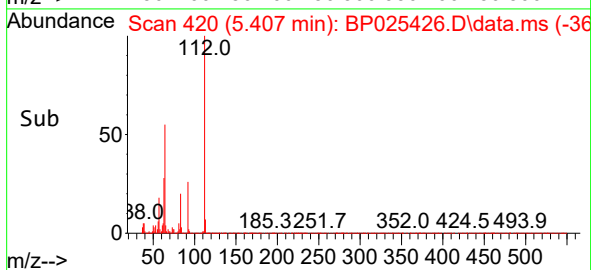
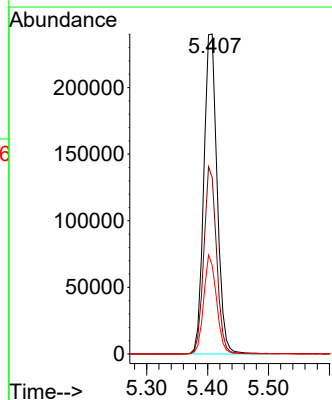
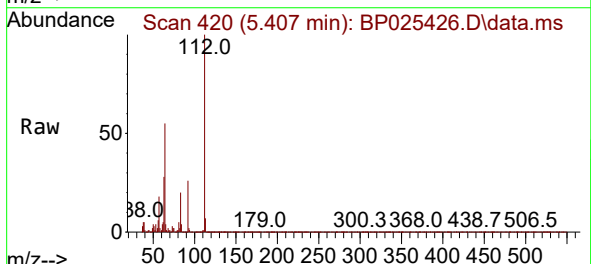
Instrument :
 BNA_P
 ClientSampleId :
 TW-82H-ERE

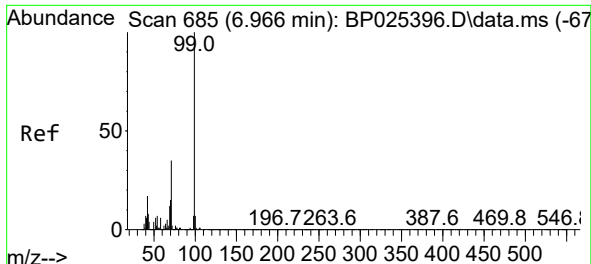
Tgt Ion:152 Resp: 137678
 Ion Ratio Lower Upper
 152 100
 150 153.2 125.9 188.9
 115 61.0 48.5 72.7



#5
 2-Fluorophenol
 Concen: 44.163 ng
 RT: 5.407 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: BP025426.D
 Acq: 15 Aug 2025 14:08

Tgt Ion:112 Resp: 366124
 Ion Ratio Lower Upper
 112 100
 64 55.1 43.8 65.8
 63 27.7 22.7 34.1

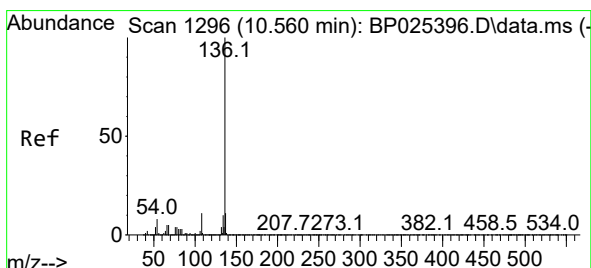
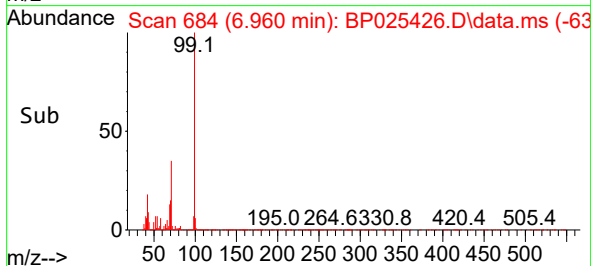
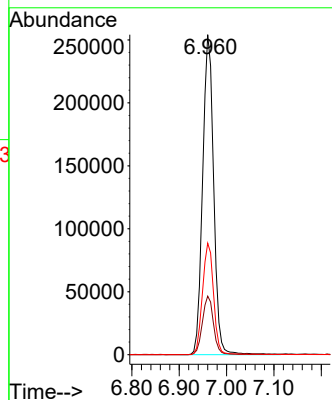
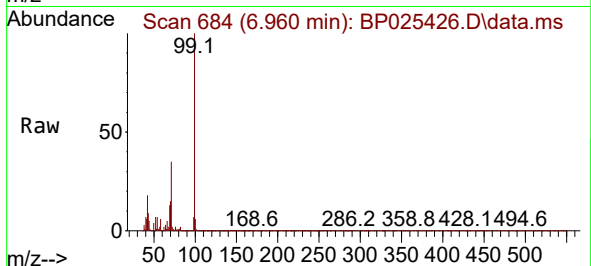




#7
Phenol-d6
Concen: 38.676 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025426.D
Acq: 15 Aug 2025 14:08

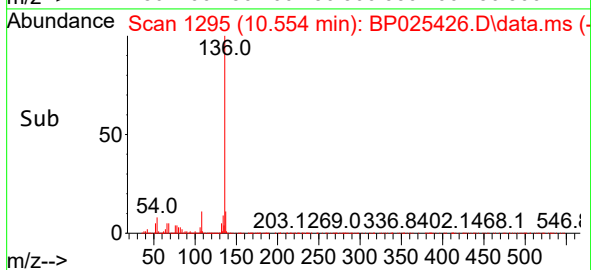
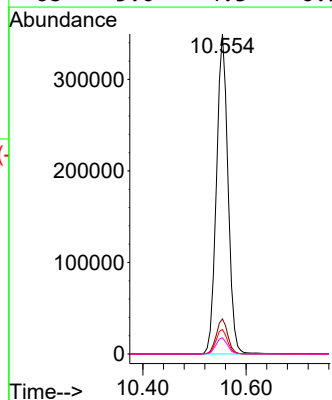
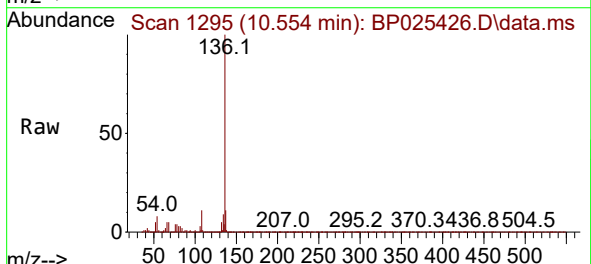
Instrument :
BNA_P
ClientSampleId :
TW-82H-ERE

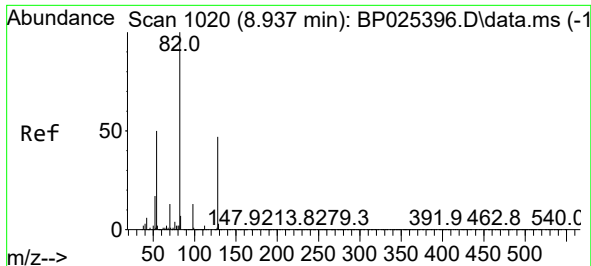
Tgt Ion: 99 Resp: 411090
Ion Ratio Lower Upper
99 100
42 18.3 13.7 20.5
71 34.8 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025426.D
Acq: 15 Aug 2025 14:08

Tgt Ion: 136 Resp: 540790
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.6 6.0 9.0
68 5.0 4.3 6.5

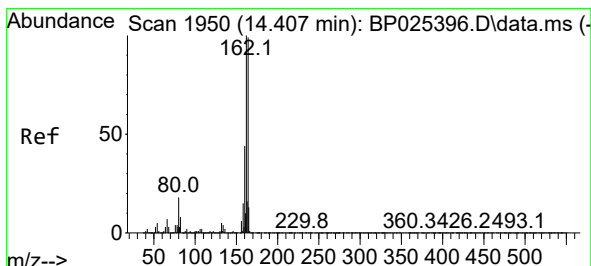
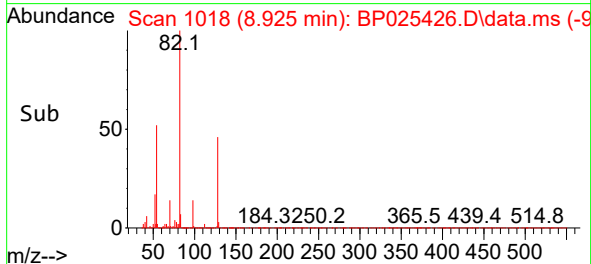
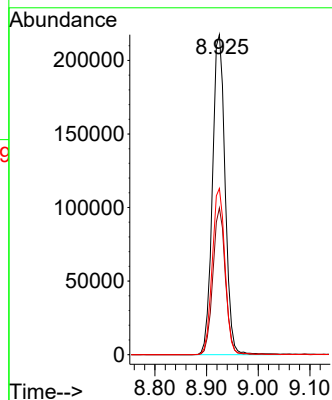
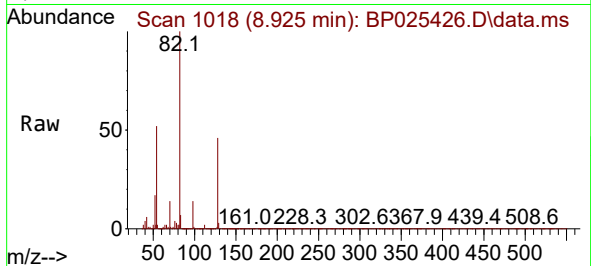




#23
Nitrobenzene-d5
Concen: 34.638 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025426.D
Acq: 15 Aug 2025 14:08

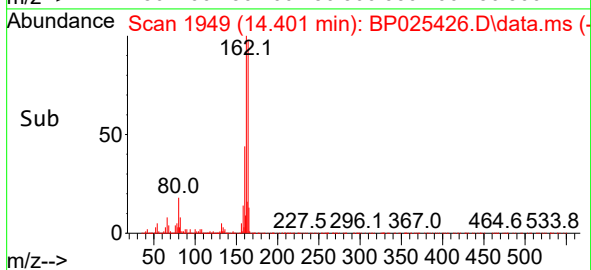
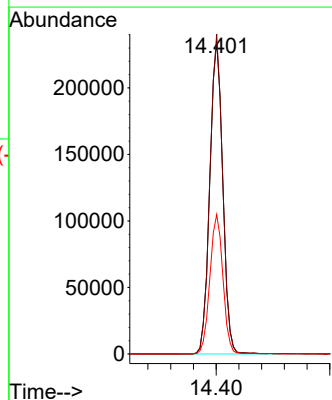
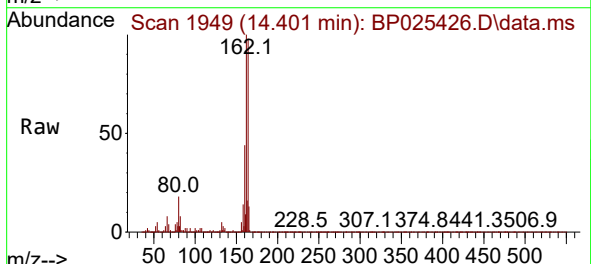
Instrument :
BNA_P
ClientSampleId :
TW-82H-ERE

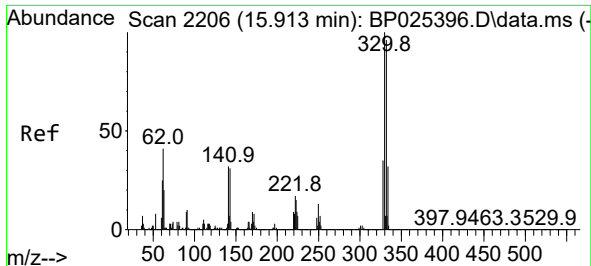
Tgt Ion: 82 Resp: 370302
Ion Ratio Lower Upper
82 100
128 45.9 37.7 56.5
54 51.9 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025426.D
Acq: 15 Aug 2025 14:08

Tgt Ion: 164 Resp: 370556
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 44.6 35.4 53.2

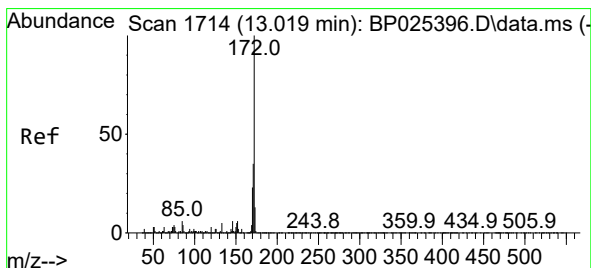
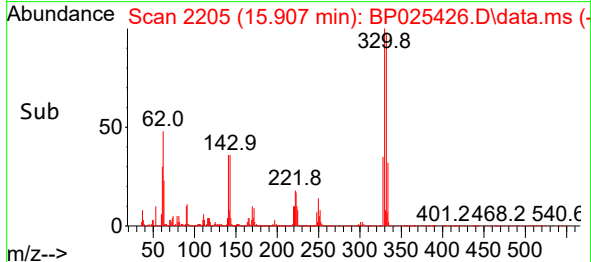
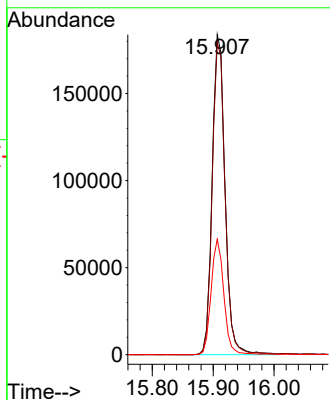
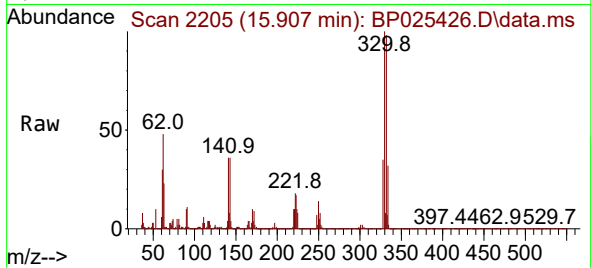




#42
2,4,6-Tribromophenol
Concen: 53.942 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025426.D
Acq: 15 Aug 2025 14:08

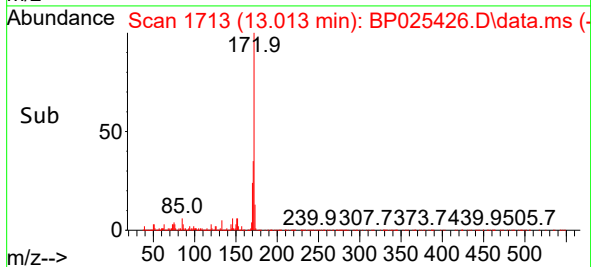
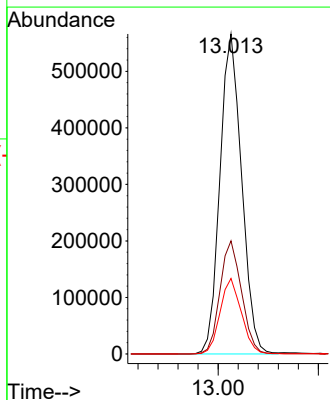
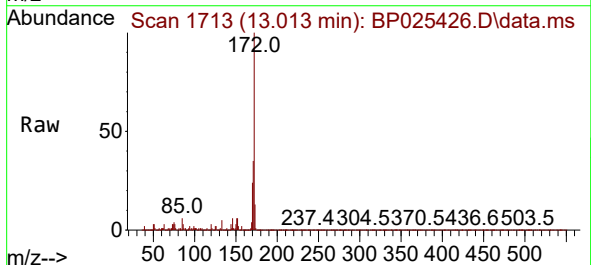
Instrument :
BNA_P
ClientSampleId :
TW-82H-ERE

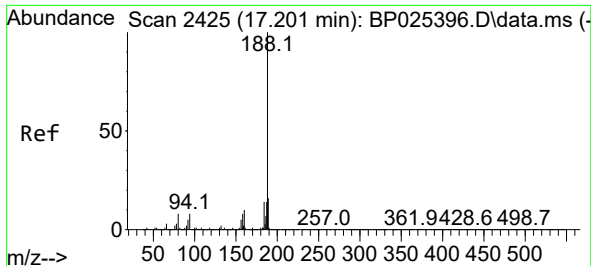
Tgt Ion	330	Resp	269048
Ion Ratio	Lower	Upper	
330	100		
332	97.5	77.3	115.9
141	35.8	26.6	39.8



#45
2-Fluorobiphenyl
Concen: 31.380 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025426.D
Acq: 15 Aug 2025 14:08

Tgt Ion	172	Resp	850812
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.1	42.1
170	23.6	18.6	28.0

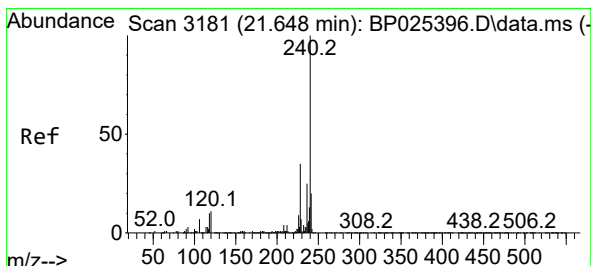
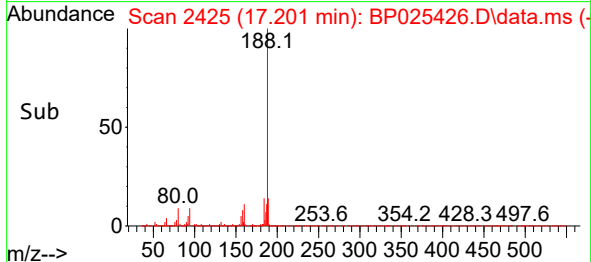
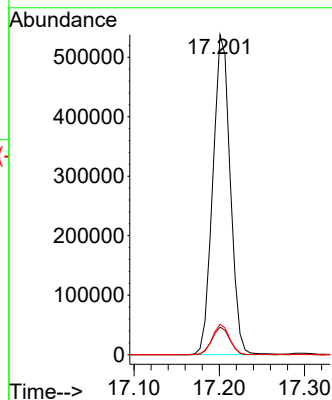
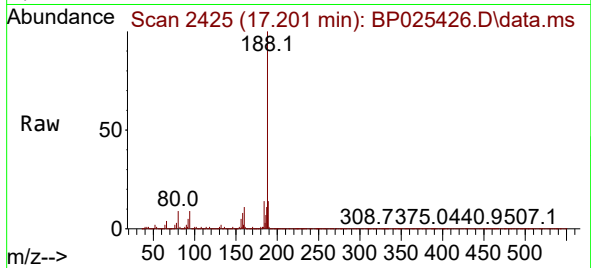




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025426.D
Acq: 15 Aug 2025 14:08

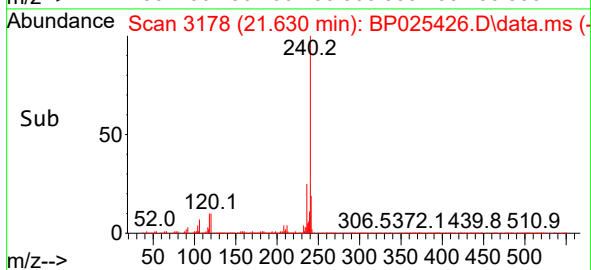
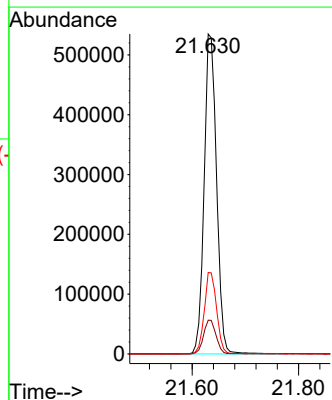
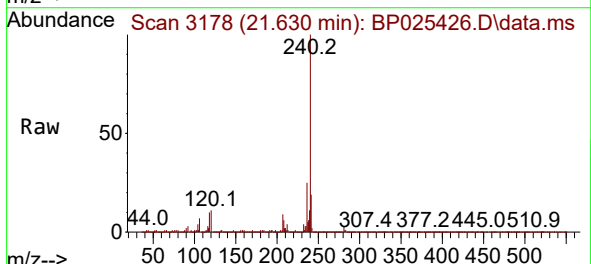
Instrument :
BNA_P
ClientSampleId :
TW-82H-ERE

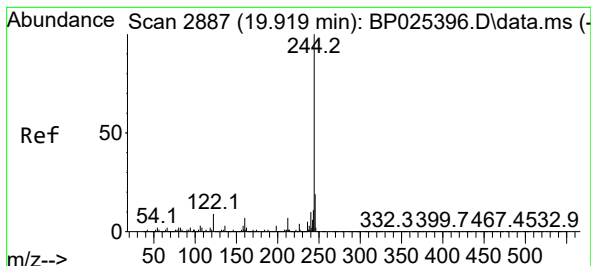
Tgt Ion:188 Resp: 763380
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.5 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025426.D
Acq: 15 Aug 2025 14:08

Tgt Ion:240 Resp: 864878
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 25.5 19.8 29.8





#79

Terphenyl-d14

Concen: 32.753 ng

RT: 19.912 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025426.D

Acq: 15 Aug 2025 14:08

Instrument :

BNA_P

ClientSampleId :

TW-82H-ERE

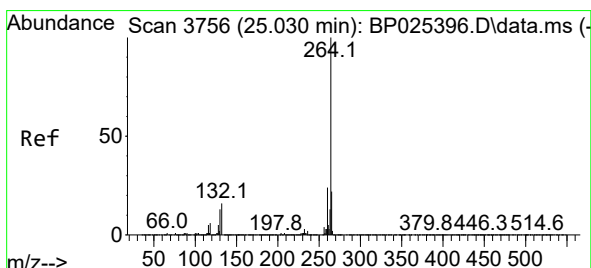
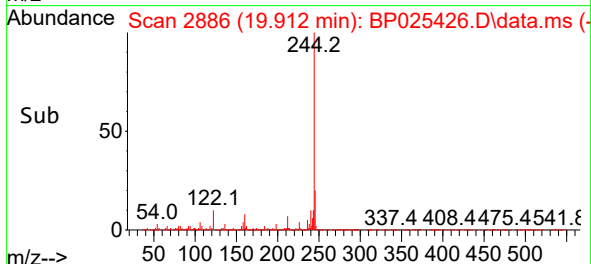
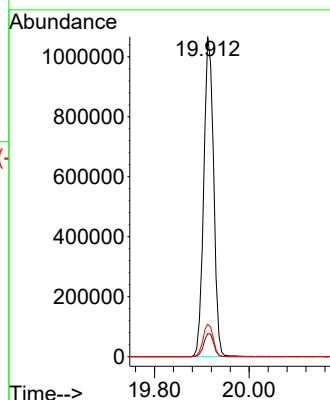
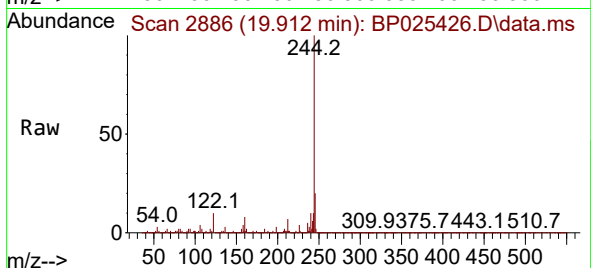
Tgt Ion:244 Resp: 1548316

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 10.2 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 3749

Delta R.T. -0.041 min

Lab File: BP025426.D

Acq: 15 Aug 2025 14:08

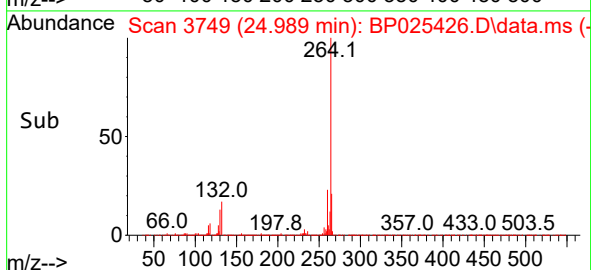
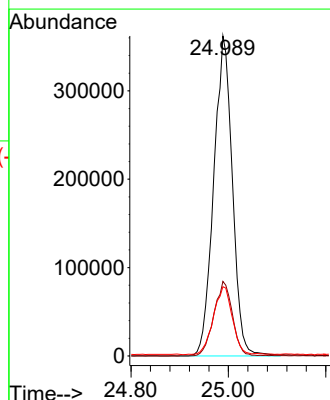
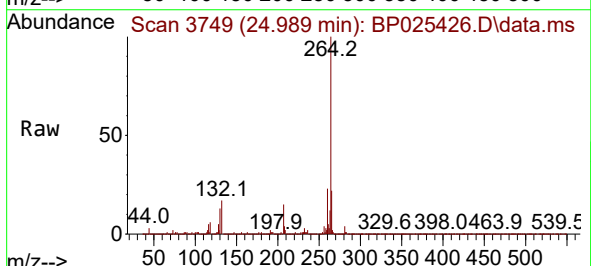
Tgt Ion:264 Resp: 962910

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 21.6 17.4 26.0



Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143384.D	1	08/12/25 09:55	08/14/25 16:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143384.D	1	08/12/25 09:55	08/14/25 16:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143384.D	1	08/12/25 09:55	08/14/25 16:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	62.0		19 - 119	41%	SPK: 150
13127-88-3	Phenol-d6	53.1		10 - 130	35%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.1		44 - 120	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.4		44 - 119	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.9		43 - 140	59%	SPK: 150
1718-51-0	Terphenyl-d14	47.7	*	50 - 134	48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	144000	6.934
1146-65-2	Naphthalene-d8	564000	8.216
15067-26-2	Acenaphthene-d10	297000	9.969
1517-22-2	Phenanthrene-d10	452000	11.457
1719-03-5	Chrysene-d12	249000	14.098
1520-96-3	Perylene-d12	291000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	90.9	JB	2.26	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.10	AB	5.16	ug/L
	unknown8.328	4.60	J	8.33	ug/L
000119-61-9	Benzophenone	9.60	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	6.40	J	12.0	ug/L
1000382-54-3	Carbonic acid, eicosyl vinyl ester	5.60	J	13.9	ug/L
000630-04-6	Hentriacontane	2.40	J	14.6	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143384.D	1	08/12/25 09:55	08/14/25 16:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

Quant Time: Aug 14 16:55:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	144062	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	564075	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	297274	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	452249	20.000	ng	0.00
76) Chrysene-d12	14.098	240	249092	20.000	ng	0.00
86) Perylene-d12	15.592	264	291351	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	516398	61.986	ng	0.00
7) Phenol-d6	6.563	99	567027	53.076	ng	0.00
23) Nitrobenzene-d5	7.486	82	535076	59.072	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	193147	88.904	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	883747	50.412	ng	0.00
79) Terphenyl-d14	13.039	244	665780	47.719	ng	0.00

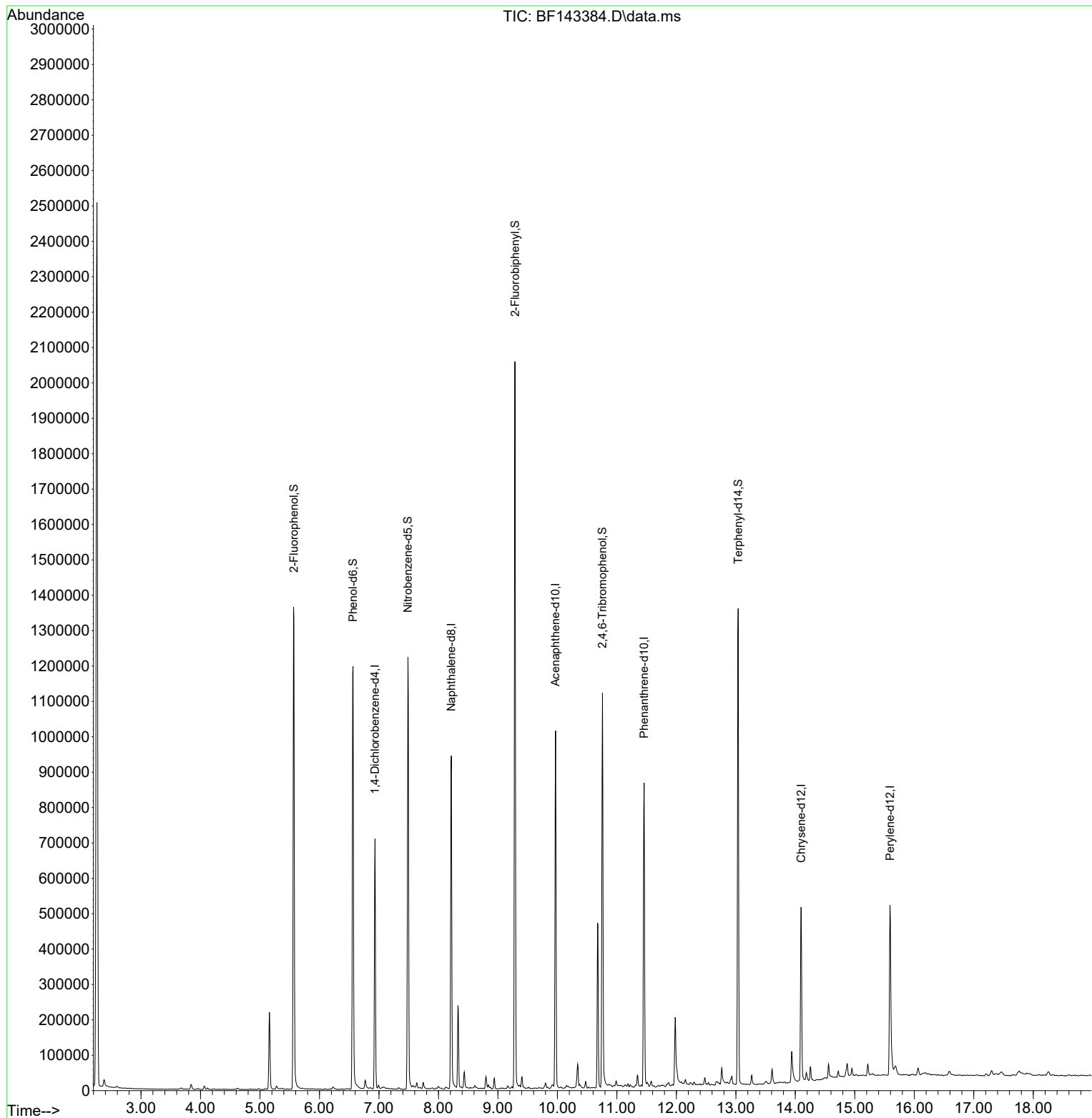
Target Compounds	Qvalue
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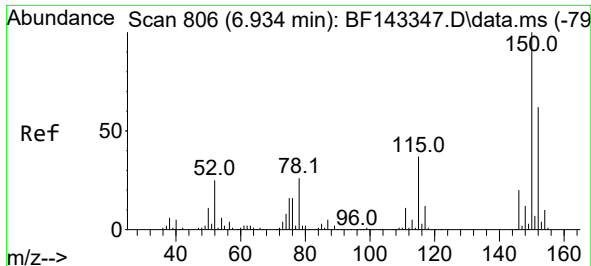
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

Quant Time: Aug 14 16:55:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

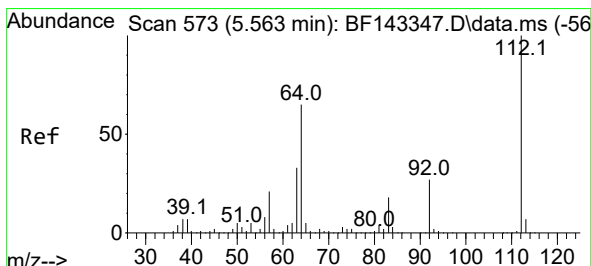
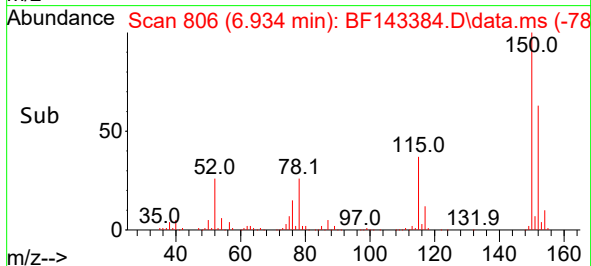
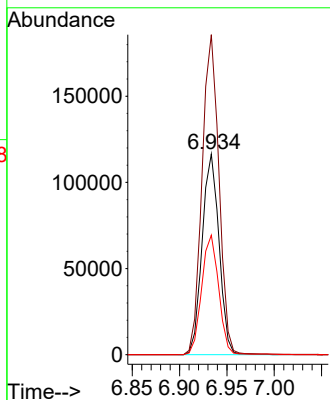
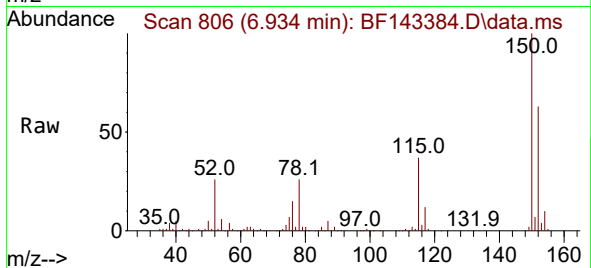




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143384.D
Acq: 14 Aug 2025 16:26

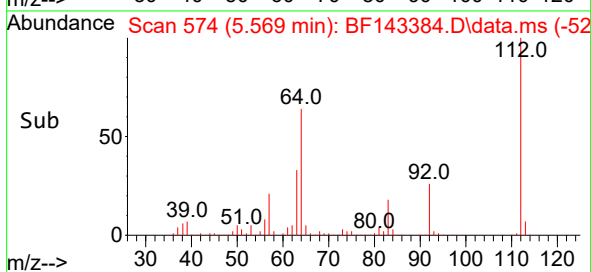
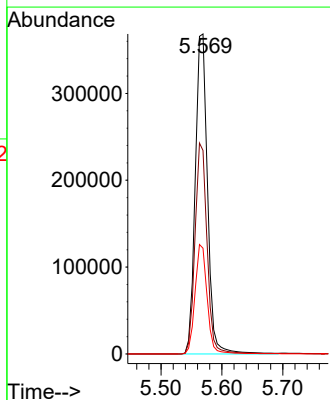
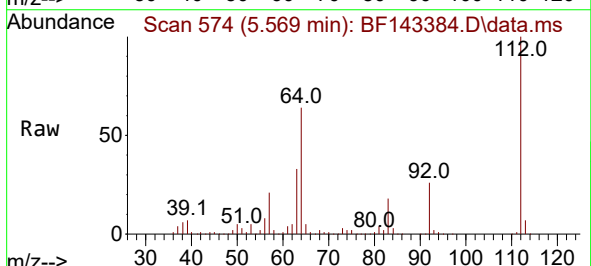
Instrument :
BNA_F
ClientSampleId :
TW-82H-S

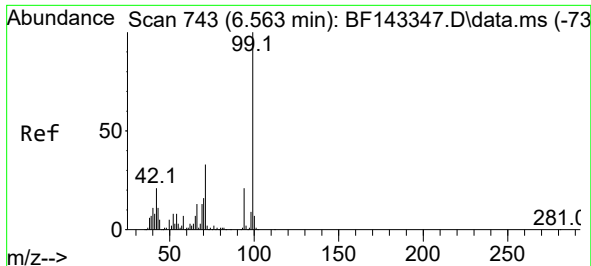
Tgt Ion:152 Resp: 144062
Ion Ratio Lower Upper
152 100
150 159.5 129.8 194.8
115 59.6 47.8 71.8



#5
2-Fluorophenol
Concen: 61.986 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143384.D
Acq: 14 Aug 2025 16:26

Tgt Ion:112 Resp: 516398
Ion Ratio Lower Upper
112 100
64 63.6 52.1 78.1
63 33.1 26.6 39.8

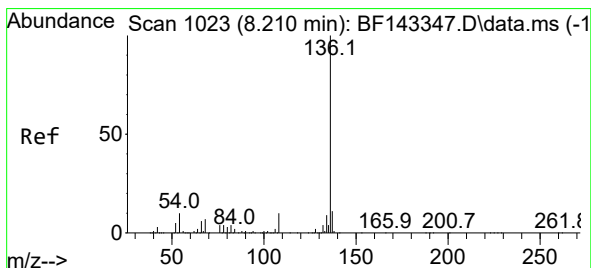
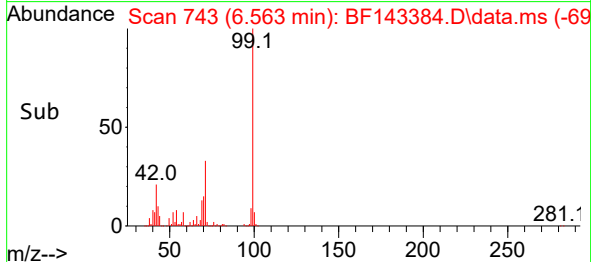
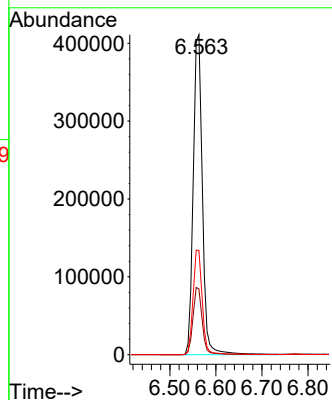
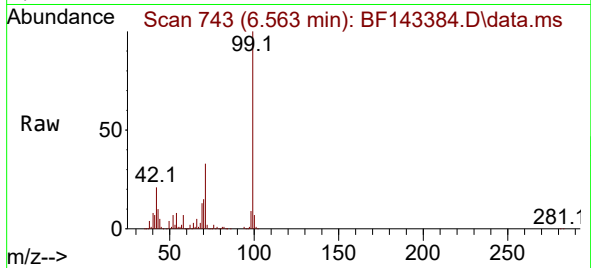




#7
Phenol-d6
Concen: 53.076 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143384.D
Acq: 14 Aug 2025 16:26

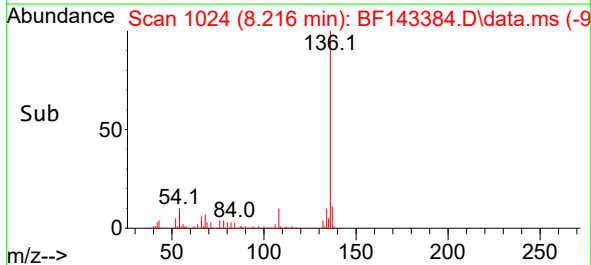
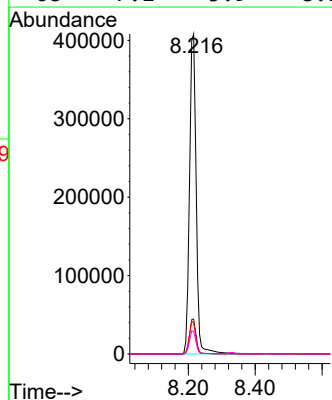
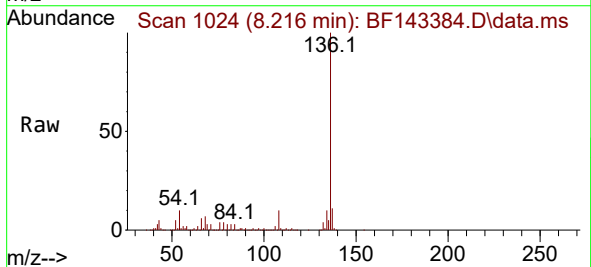
Instrument :
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ClientSampleId :
TW-82H-S

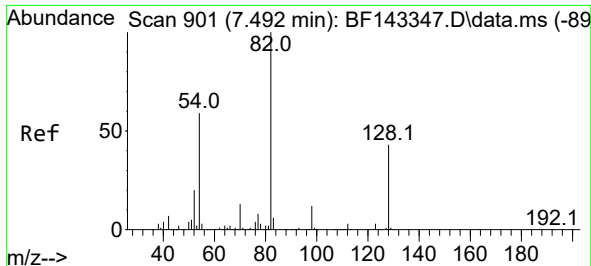
Tgt Ion: 99 Resp: 567027
Ion Ratio Lower Upper
99 100
42 20.6 16.6 25.0
71 32.6 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143384.D
Acq: 14 Aug 2025 16:26

Tgt Ion: 136 Resp: 564075
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.7 8.4 12.6
68 7.1 5.9 8.9





#23

Nitrobenzene-d5

Concen: 59.072 ng

RT: 7.486 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143384.D

Acq: 14 Aug 2025 16:26

Instrument :

BNA_F

ClientSampleId :

TW-82H-S

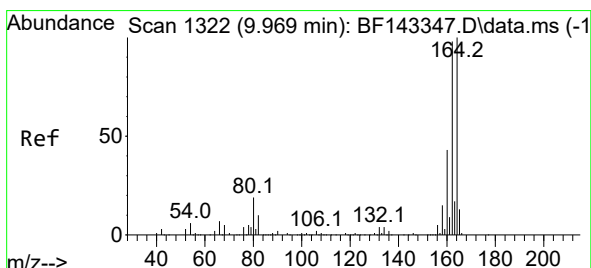
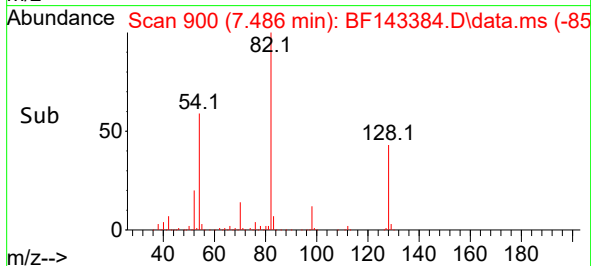
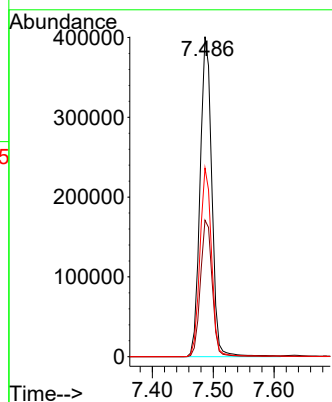
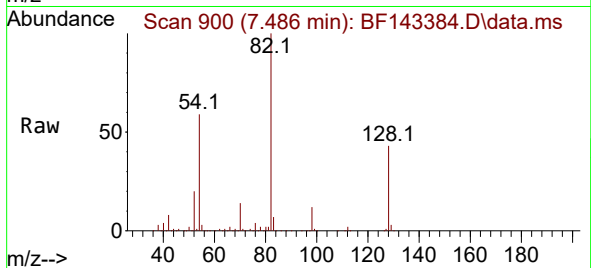
Tgt Ion: 82 Resp: 535076

Ion Ratio Lower Upper

82 100

128 42.6 33.5 50.3

54 58.9 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143384.D

Acq: 14 Aug 2025 16:26

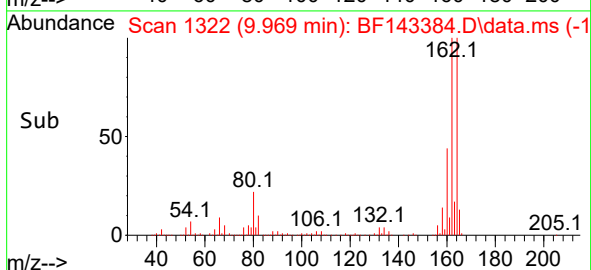
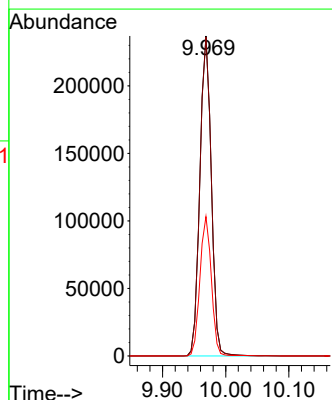
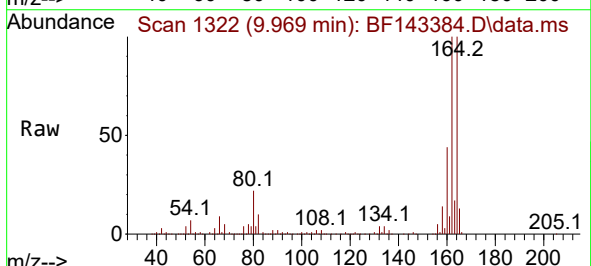
Tgt Ion: 164 Resp: 297274

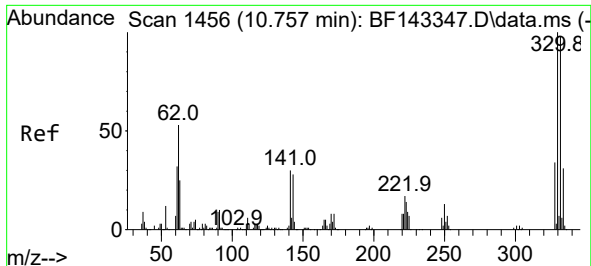
Ion Ratio Lower Upper

164 100

162 99.7 78.6 118.0

160 43.6 34.4 51.6

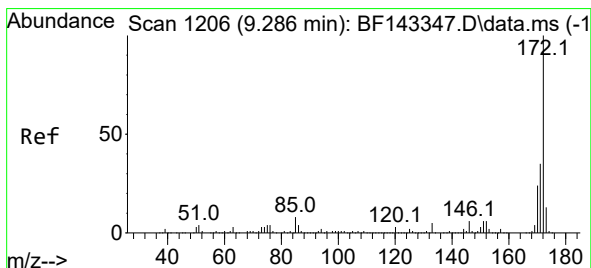
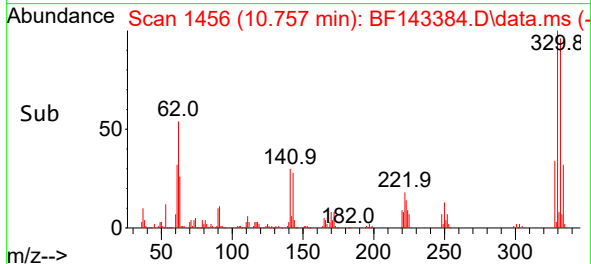
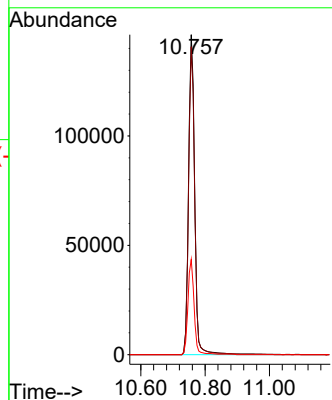
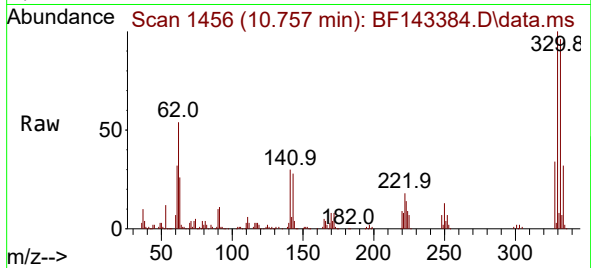




#42
2,4,6-Tribromophenol
Concen: 88.904 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143384.D
Acq: 14 Aug 2025 16:26

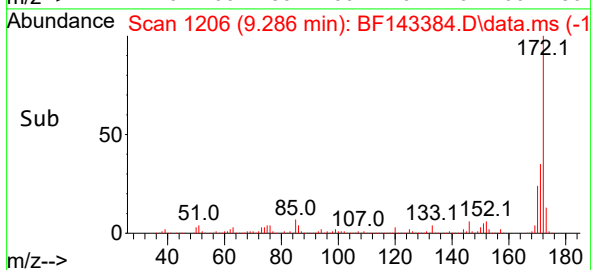
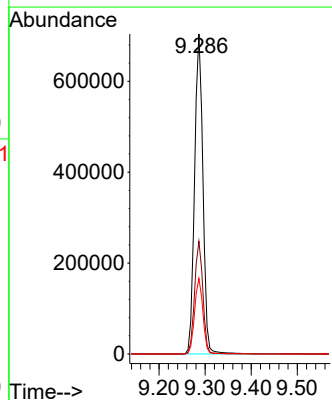
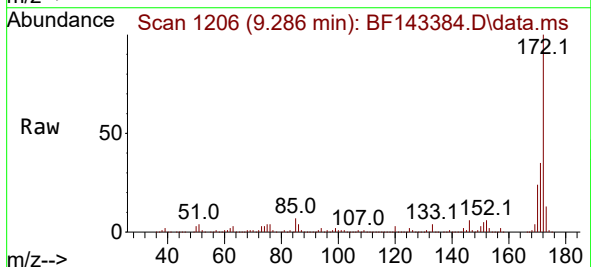
Instrument :
BNA_F
ClientSampleId :
TW-82H-S

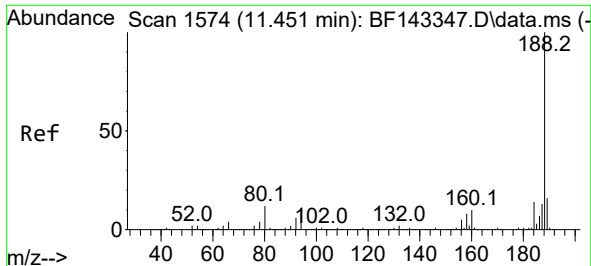
Tgt Ion: 330 Resp: 193147
Ion Ratio Lower Upper
330 100
332 95.8 78.1 117.1
141 30.0 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 50.412 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143384.D
Acq: 14 Aug 2025 16:26

Tgt Ion: 172 Resp: 883747
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.6 19.1 28.7

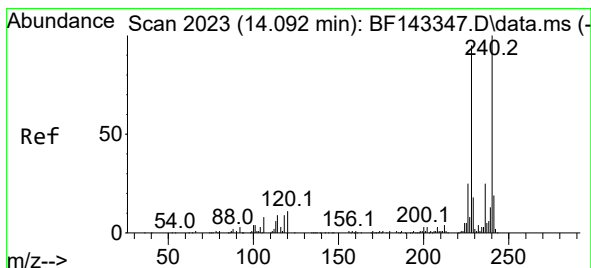
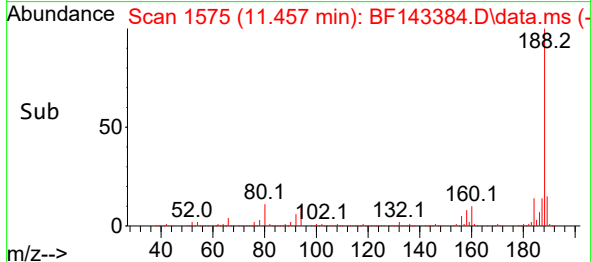
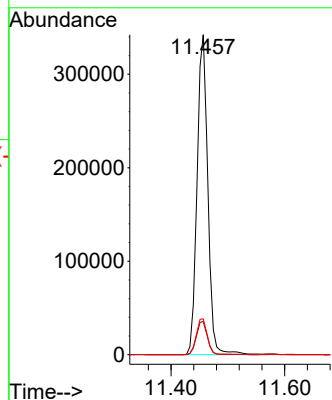
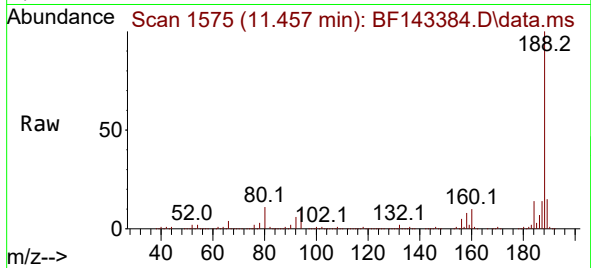




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143384.D
Acq: 14 Aug 2025 16:26

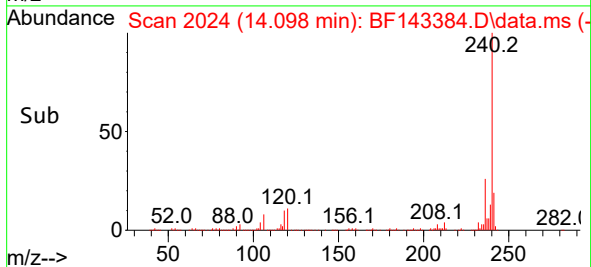
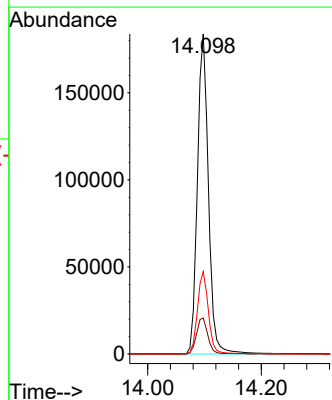
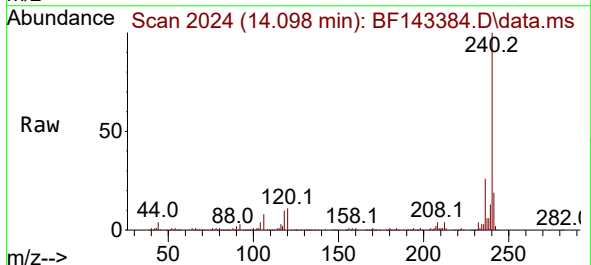
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BNA_F
ClientSampleId :
TW-82H-S

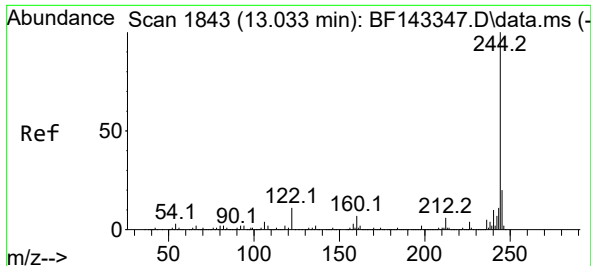
Tgt Ion:188 Resp: 452249
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 11.2 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143384.D
Acq: 14 Aug 2025 16:26

Tgt Ion:240 Resp: 249092
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.6
236 25.8 19.9 29.9

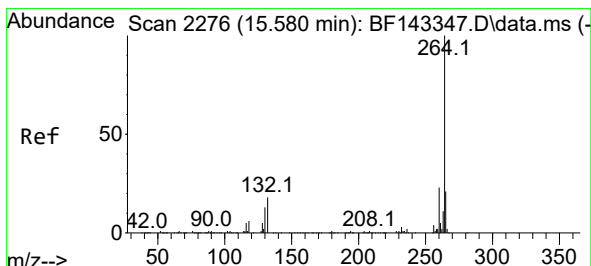
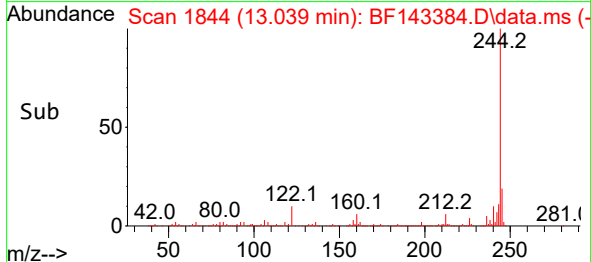
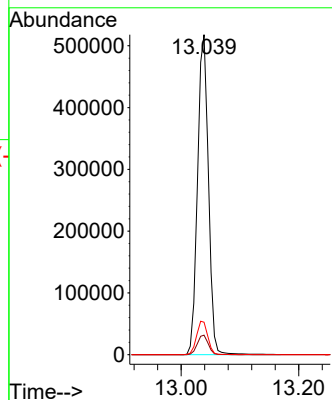
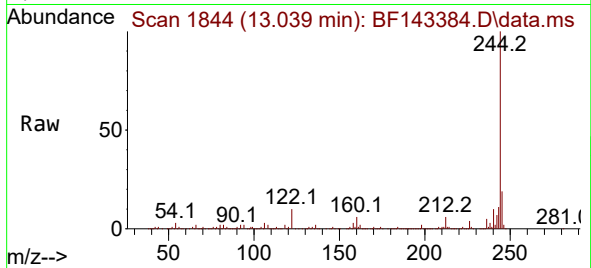




#79
 Terphenyl-d14
 Concen: 47.719 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143384.D
 Acq: 14 Aug 2025 16:26

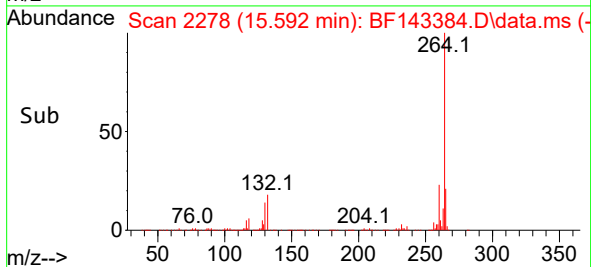
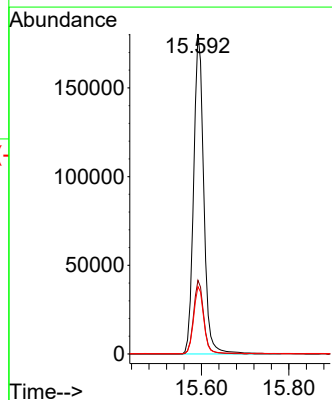
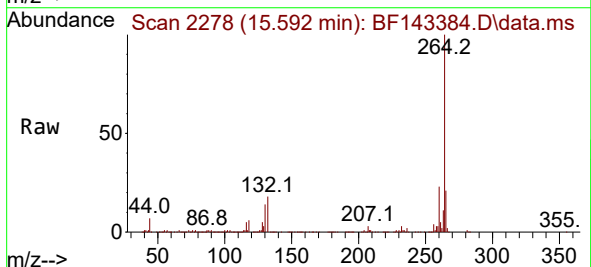
Instrument :
 BNA_F
 ClientSampleId :
 TW-82H-S

Tgt Ion:244 Resp: 665780
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.1 7.7
 122 10.2 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143384.D
 Acq: 14 Aug 2025 16:26

Tgt Ion:264 Resp: 291351
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.7 28.1
 265 21.0 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143384.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.257	3	11	25	rVB	2497256	4002970	100.00%	16.942%
2	2.381	27	32	50	rVB2	20699	46481	1.16%	0.197%
3	5.157	497	504	516	rBV	217845	311677	7.79%	1.319%
4	5.563	568	573	586	rBV	1362247	1886147	47.12%	7.983%
5	6.563	737	743	770	rBV	1194400	1689290	42.20%	7.150%
6	6.769	770	778	790	rVV2	23263	43510	1.09%	0.184%
7	6.934	801	806	813	rBV	706828	880391	21.99%	3.726%
8	7.486	894	900	911	rBV	1220859	1630630	40.74%	6.901%
9	8.216	1018	1024	1039	rBV	940577	1294982	32.35%	5.481%
10	8.328	1039	1043	1050	rVV	231341	296165	7.40%	1.253%
11	8.433	1056	1061	1075	rVB2	45849	73688	1.84%	0.312%
12	8.798	1119	1123	1127	rBV2	33542	48638	1.22%	0.206%
13	9.286	1200	1206	1217	rBV	2053698	2574938	64.33%	10.898%
14	9.969	1316	1322	1333	rVB	1008644	1271399	31.76%	5.381%
15	10.339	1375	1385	1389	rBV	66356	105810	2.64%	0.448%
16	10.674	1437	1442	1451	rBV	464745	612876	15.31%	2.594%
17	10.757	1451	1456	1471	rBV	1114099	1481422	37.01%	6.270%
18	11.345	1552	1556	1561	rVB2	31093	41052	1.03%	0.174%
19	11.457	1570	1575	1582	rBV	857132	1121209	28.01%	4.745%
20	11.980	1659	1664	1679	rBV3	192499	358761	8.96%	1.518%
21	12.763	1792	1797	1806	rBV	44562	79965	2.00%	0.338%
22	12.933	1818	1826	1836	rVB3	23367	50847	1.27%	0.215%
23	13.039	1838	1844	1856	rVV	1344306	1743813	43.56%	7.380%
24	13.610	1937	1941	1949	rVB	40207	60413	1.51%	0.256%
25	13.939	1992	1997	2013	rBV	87501	181541	4.54%	0.768%
26	14.098	2019	2024	2035	rBV	488503	650633	16.25%	2.754%
27	14.251	2046	2050	2055	rBV	38856	54718	1.37%	0.232%
28	14.557	2098	2102	2120	rBV	40153	77247	1.93%	0.327%
29	14.868	2149	2155	2161	rBV2	34302	62502	1.56%	0.265%
30	15.221	2211	2215	2222	rBV	30586	44923	1.12%	0.190%
31	15.592	2272	2278	2288	rBV	480724	849090	21.21%	3.594%

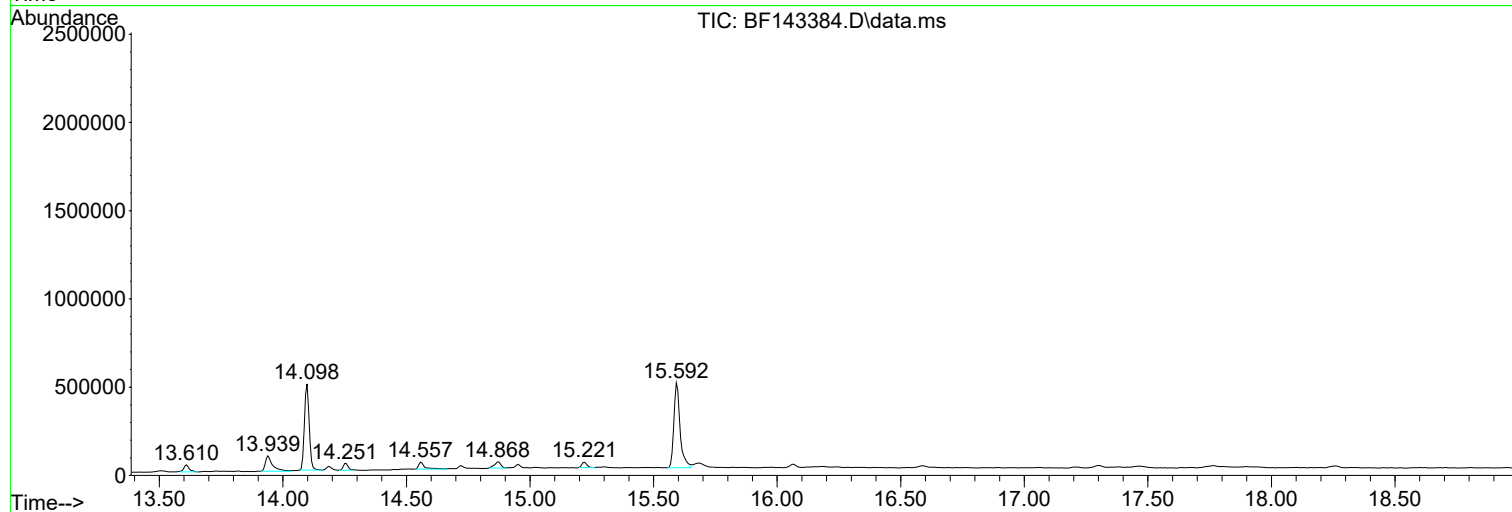
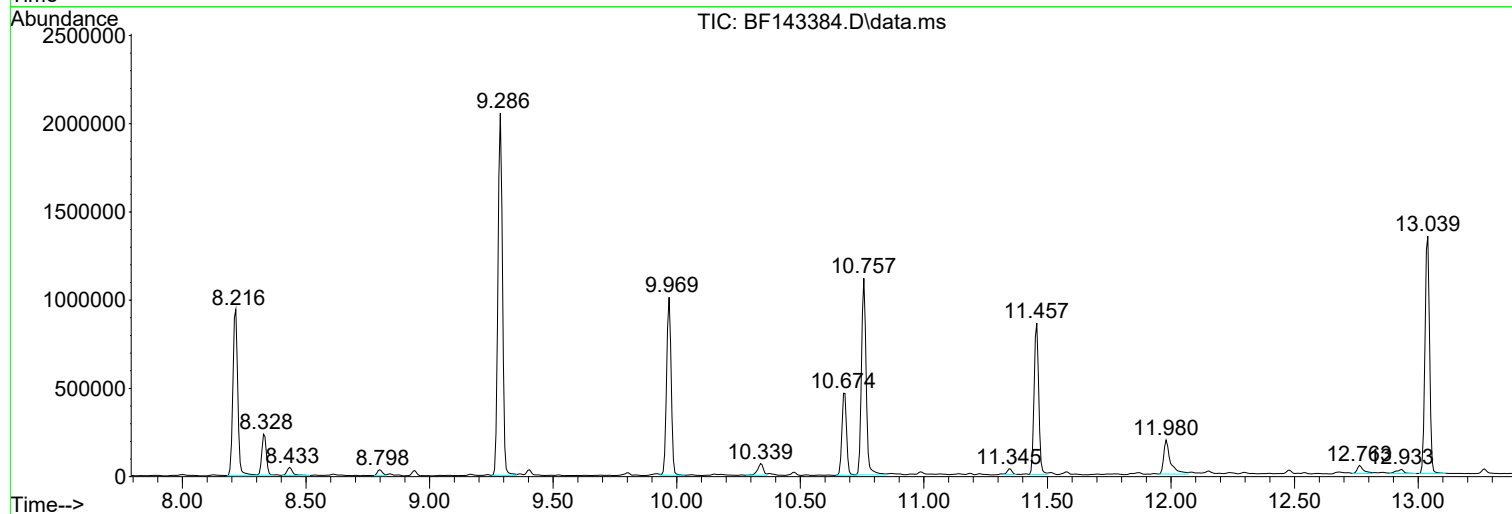
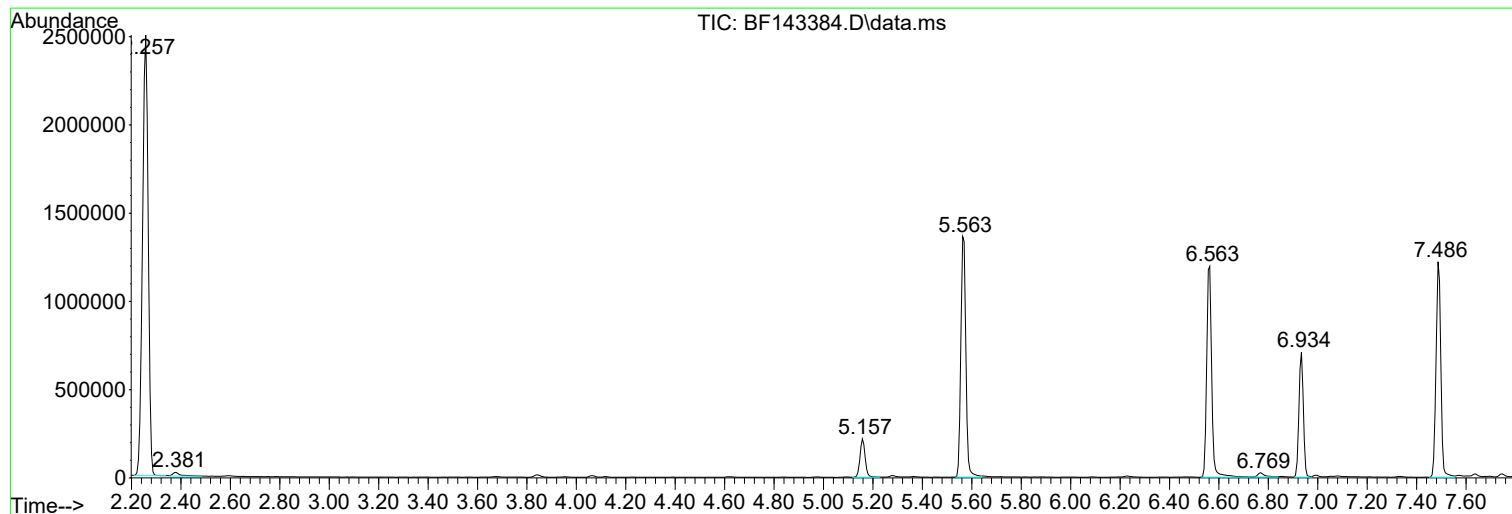
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

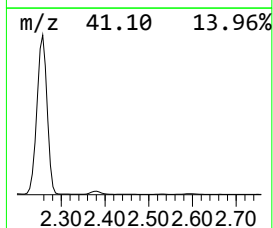
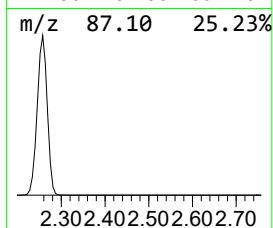
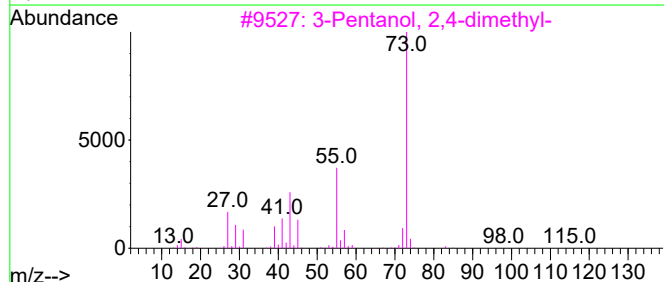
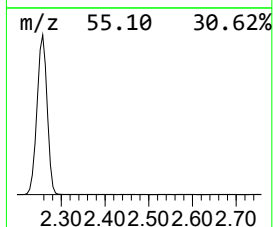
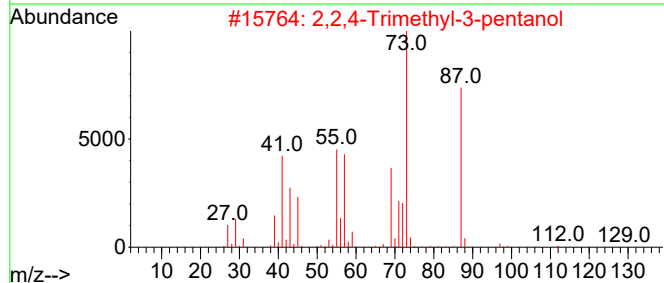
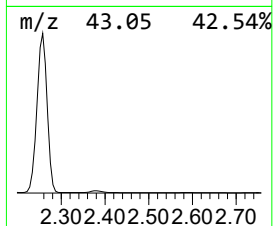
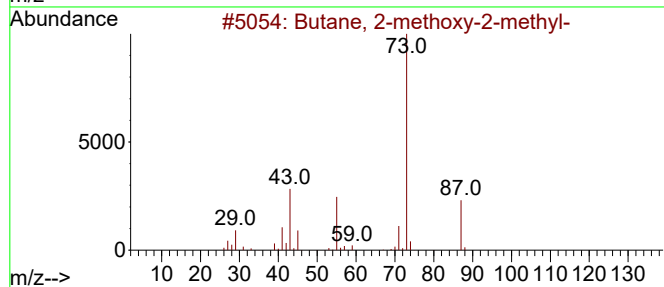
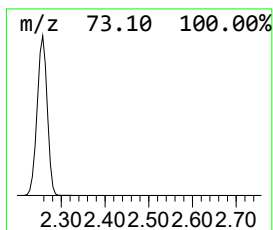
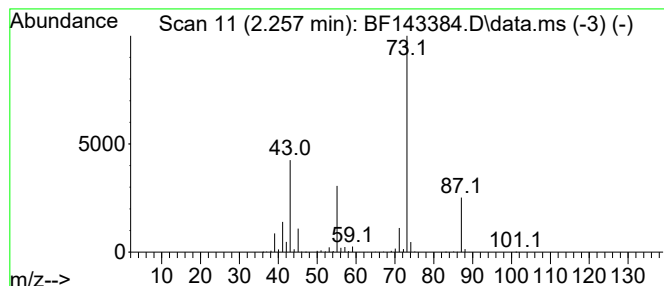
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.257	90.94 ng	4002970	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

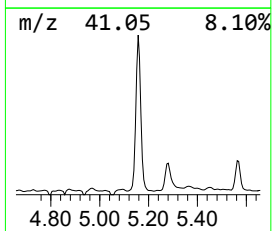
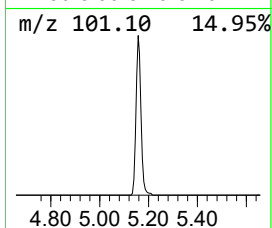
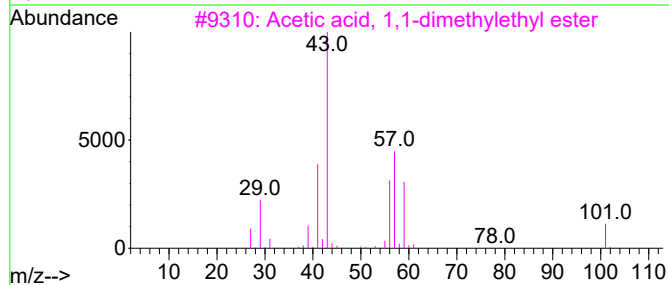
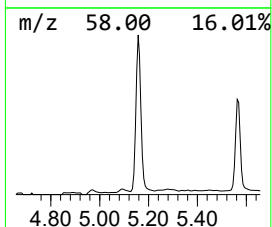
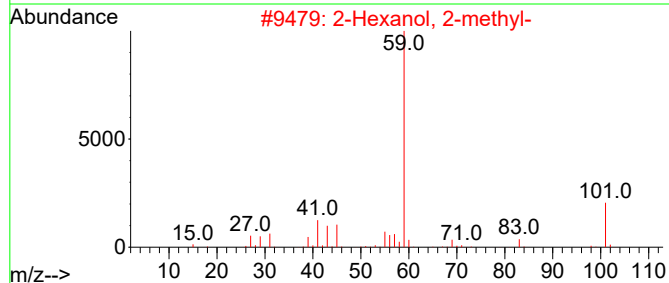
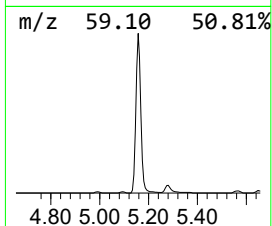
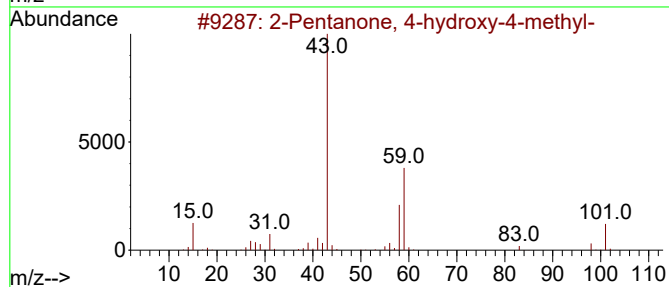
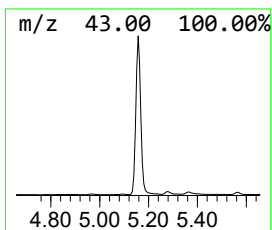
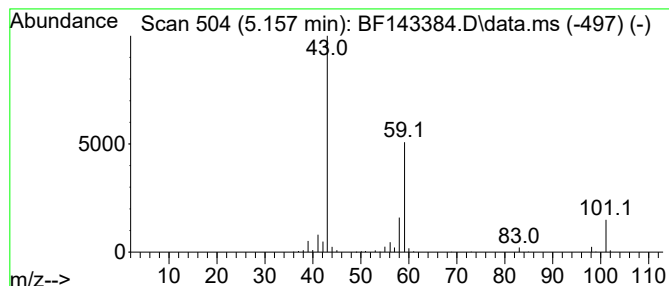
Instrument :
BNA_F
ClientSampleId :
TW-82H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
5.157	7.08 ng	311677	1,4-Dichlorobenzene-d4		6.934	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-		116	C7H16O	000625-23-0	28
3	Acetic acid, 1,1-dimethylethyl e...		116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...		141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate		100	C5H8O2	000108-22-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

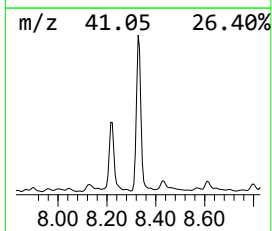
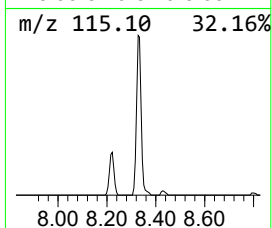
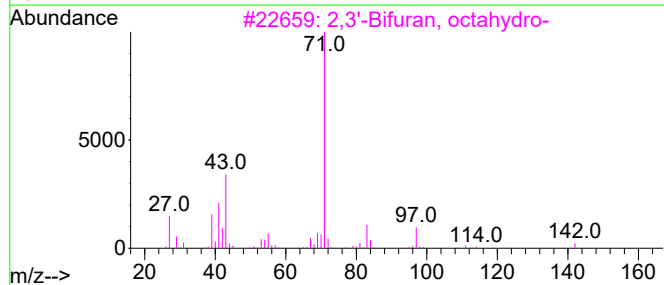
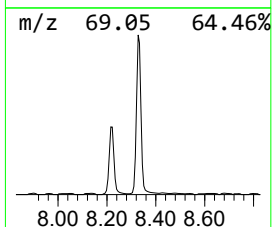
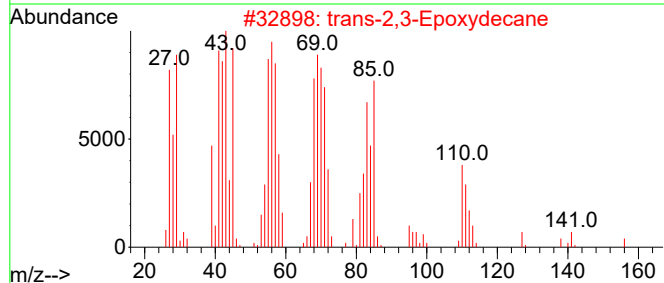
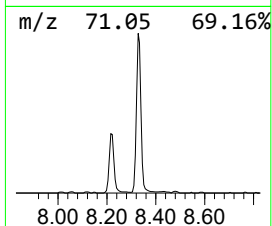
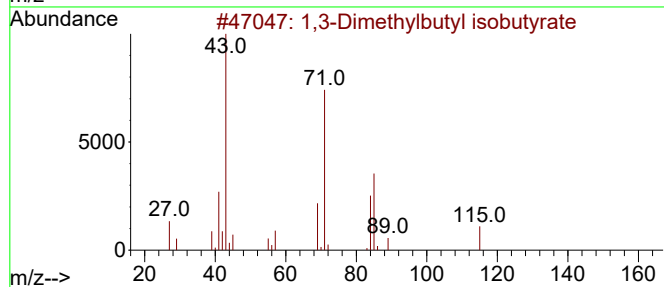
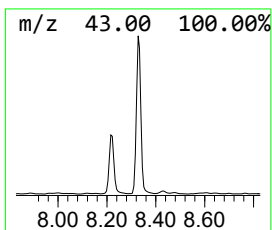
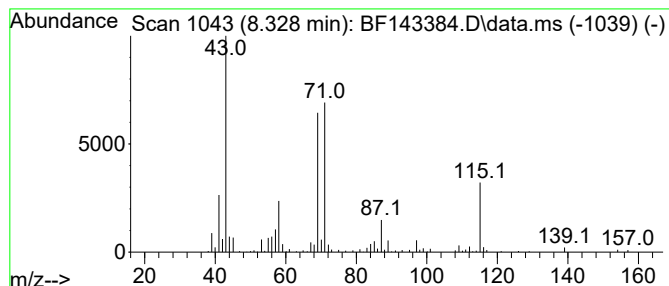
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown8.328 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.328	4.57 ng	296165	Naphthalene-d8	8.216

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethylbutyl isobutyrate	172	C10H20O2	1000429-31-6	43		
2	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	38		
3	2,3'-Bifuran, octahydro-	142	C8H14O2	073373-15-6	35		
4	2-Ethoxytetrahydrofuran	116	C6H12O2	013436-46-9	35		
5	1-Hydroxy-3-methyl-2-butanone	102	C5H10O2	036960-22-2	35		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

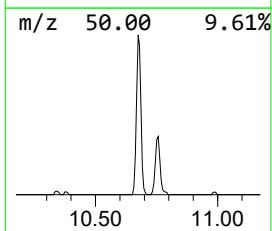
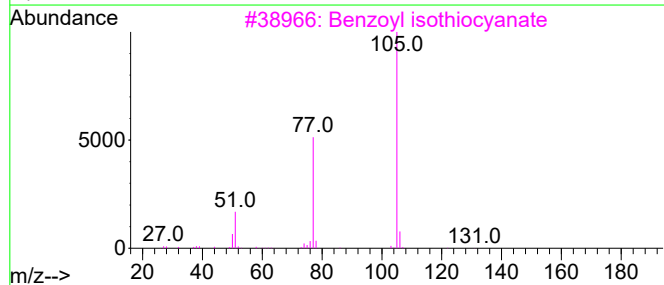
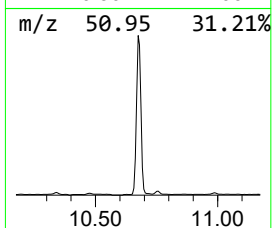
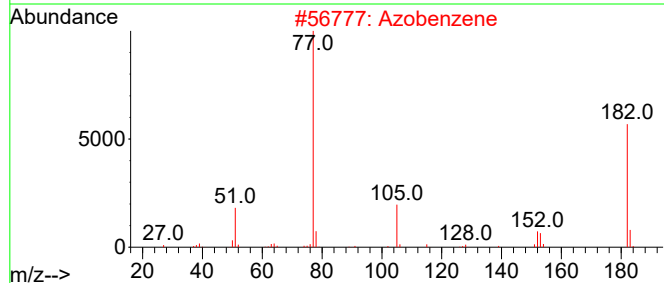
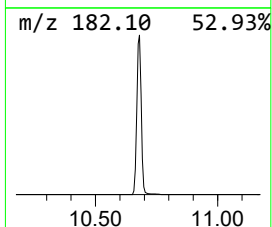
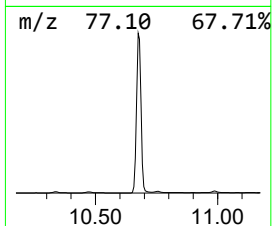
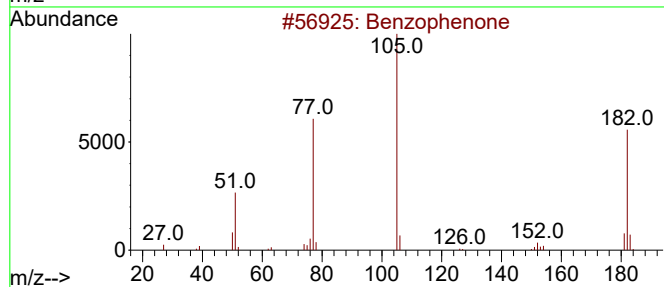
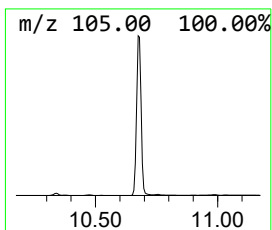
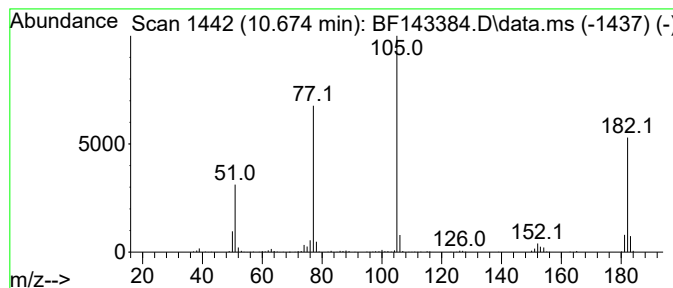
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	9.64 ng	612876	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	58
3			Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	50
4			2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	50
5			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

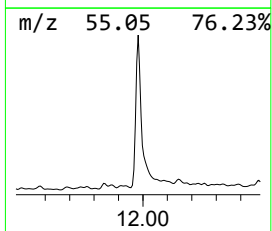
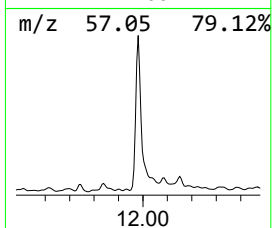
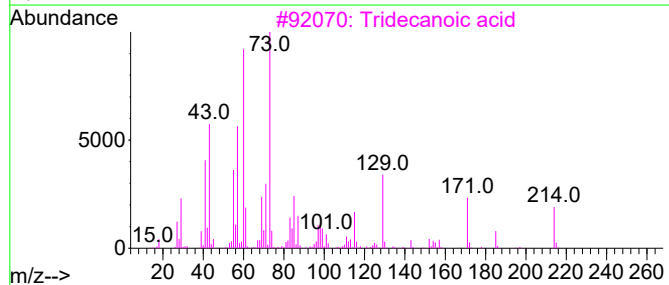
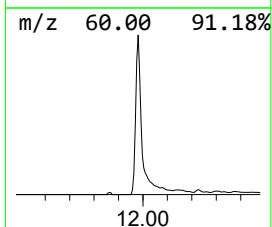
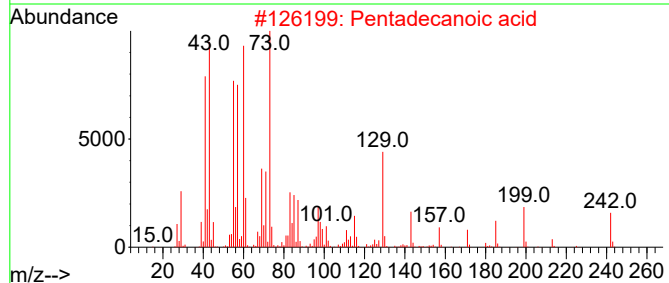
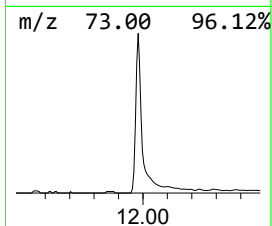
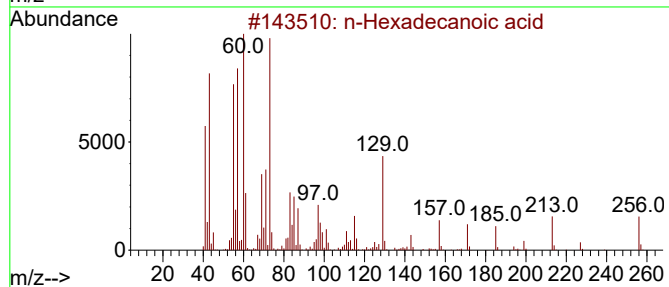
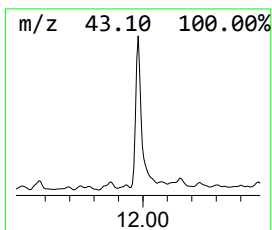
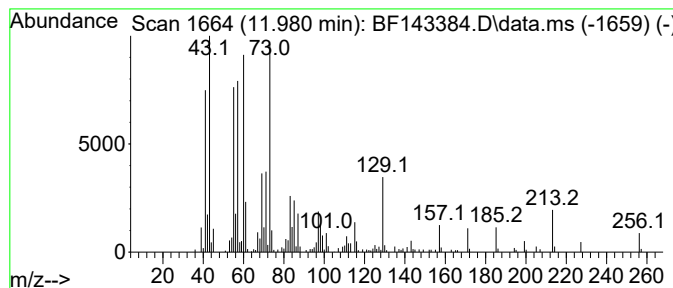
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	6.40 ng	358761	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3			Tridecanoic acid	214	C13H26O2	000638-53-9	81
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5			Undecanoic acid	186	C11H22O2	000112-37-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

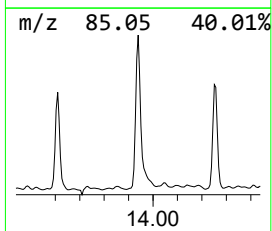
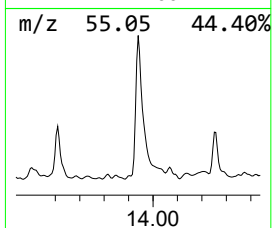
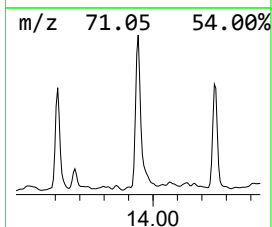
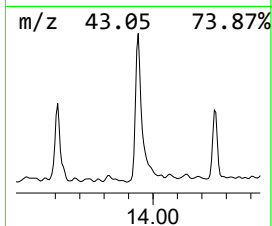
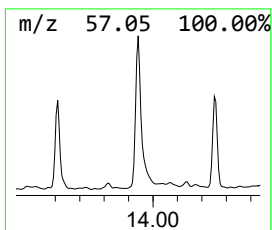
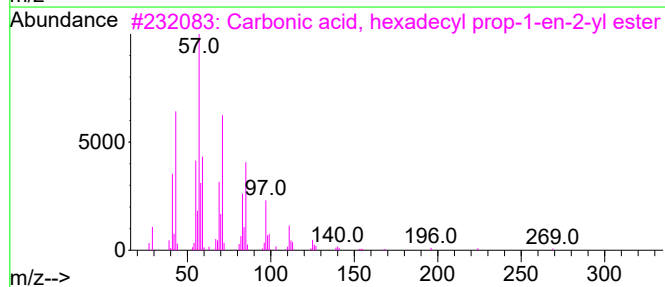
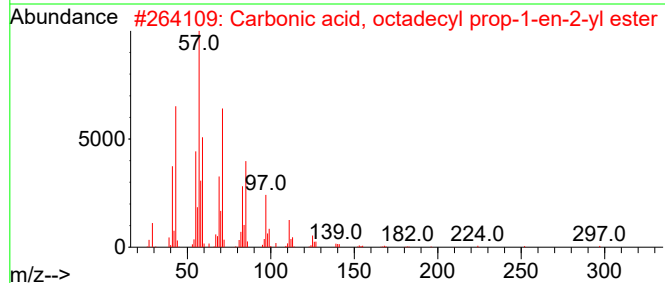
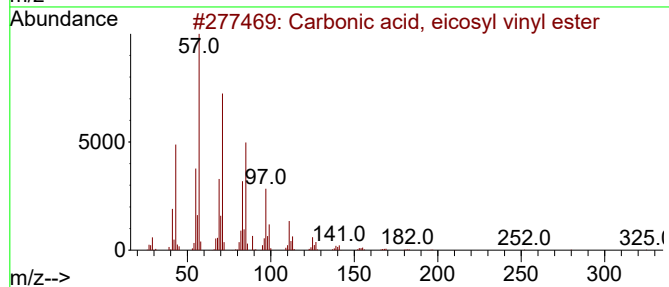
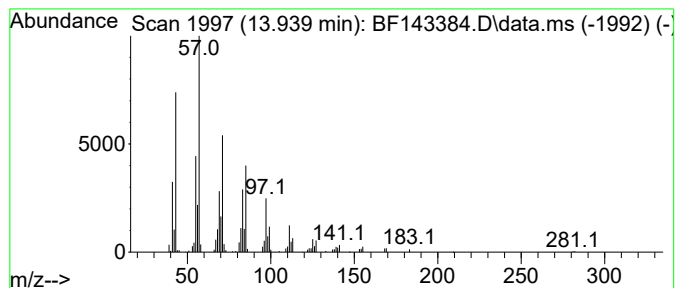
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Carbonic acid, eicosyl vinyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	5.58 ng	181541	Chrysene-d12	14.098

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	91
2		Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	91
3		Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	91
4		Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	90
5		Carbonic acid, octadecyl vinyl e...	340	C21H40O3	1000382-54-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

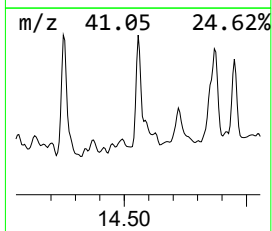
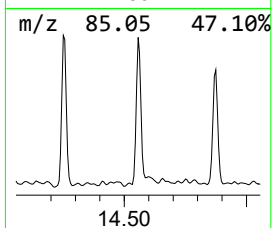
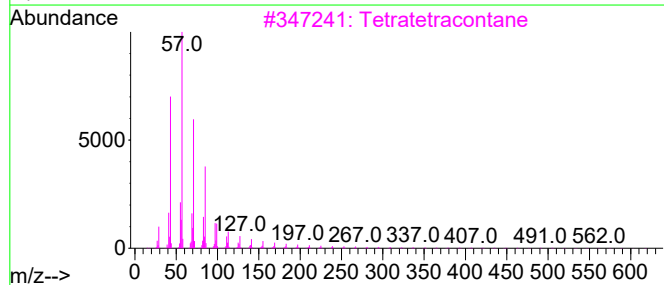
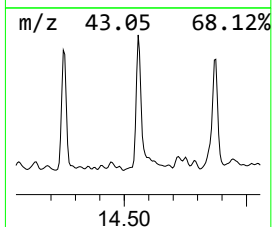
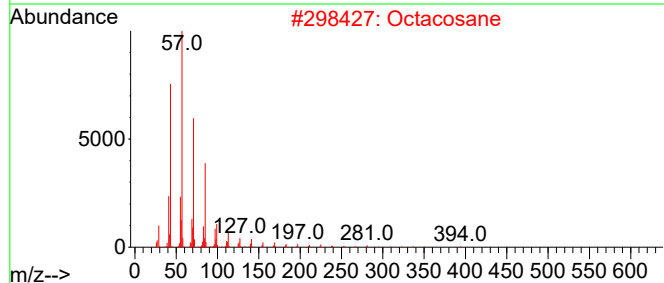
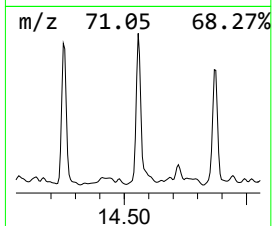
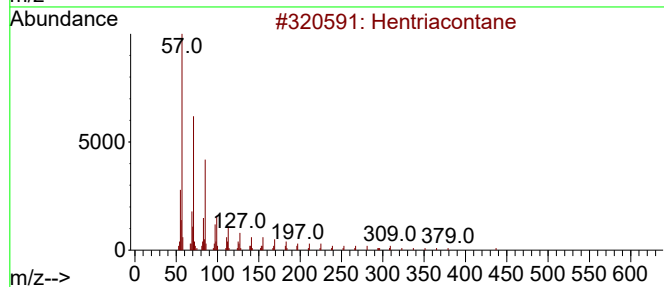
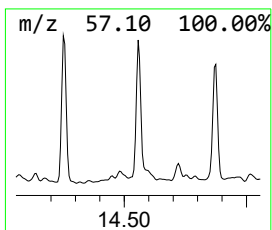
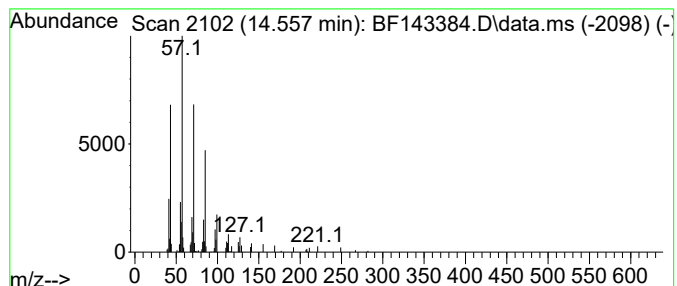
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hentriacontane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.557	2.37 ng	77247	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hentriacontane	437	C31H64	000630-04-6	91
2			Octacosane	394	C28H58	000630-02-4	91
3			Tetratetracontane	619	C44H90	007098-22-8	91
4			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5			Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143384.D
Acq On : 14 Aug 2025 16:26
Operator : RC/JU
Sample : Q2814-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.257	90.9	ng	4002970	1	6.934	880391	20.0
2-Pentanone, 4-...	5.157	7.1	ng	311677	1	6.934	880391	20.0
unknown8.328	8.328	4.6	ng	296165	2	8.216	1294980	20.0
Benzophenone	10.675	9.6	ng	612876	3	9.969	1271400	20.0
n-Hexadecanoic ...	11.980	6.4	ng	358761	4	11.457	1121210	20.0
Carbonic acid, ...	13.939	5.6	ng	181541	5	14.098	650633	20.0
Hentriacontane	14.557	2.4	ng	77247	5	14.098	650633	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143534.D	1	08/12/25 09:55	08/21/25 17:07	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143534.D	1	08/12/25 09:55	08/21/25 17:07	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143534.D	1	08/12/25 09:55	08/21/25 17:07	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	86.2		19 - 119	57%	SPK: 150
13127-88-3	Phenol-d6	73.4		10 - 130	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.1		44 - 120	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.6		44 - 119	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		43 - 140	93%	SPK: 150
1718-51-0	Terphenyl-d14	75.7		50 - 134	76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	108000	6.928
1146-65-2	Naphthalene-d8	408000	8.204
15067-26-2	Acenaphthene-d10	213000	9.963
1517-22-2	Phenanthrene-d10	291000	11.451
1719-03-5	Chrysene-d12	216000	14.092
1520-96-3	Perylene-d12	249000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	80.6	JB	2.29	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.80	AB	5.16	ug/L
000141-91-3	Morpholine, 2,6-dimethyl-	7.70	J	8.32	ug/L
003884-95-5	Phenol, 2-(1,1,3,3-tetramethylbuty	6.50	J	10.5	ug/L
015687-27-1	Ibuprofen	5.10	J	10.5	ug/L
000119-61-9	Benzophenone	8.90	J	10.7	ug/L
	unknown10.886	4.20	J	10.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143534.D	1	08/12/25 09:55	08/21/25 17:07	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
187338-96-1	5-(4-Trifluoromethylsulfonylphenyl)	4.90	J			10.9	ug/L
000537-92-8	Acetamide, N-(3-methylphenyl)-	6.40	J			11.0	ug/L
024518-48-7	4-(7-Methyloctyl)phenol	6.30	J			11.0	ug/L
	unknown11.116	3.80	J			11.1	ug/L
166273-37-6	Pentanoic acid, 5-hydroxy-, p-t-bu	3.60	J			11.2	ug/L
205748-01-2	3-Ethoxy-4-hydroxyphenylacetone	2.90	J			11.2	ug/L
000057-10-3	n-Hexadecanoic acid	7.70	J			12.0	ug/L
959085-66-6	Heptadecyl heptafluorobutyrate	3.60	J			14.0	ug/L
	unknown14.251	3.10	J			14.3	ug/L
	unknown14.551	2.90	J			14.6	ug/L
	unknown16.386	5.50	J			16.4	ug/L
000057-88-5	Cholesterol	7.60	J			16.5	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

Quant Time: Aug 21 17:44:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	107966	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	407935	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	212822	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	291316	20.000	ng	0.00
76) Chrysene-d12	14.092	240	216372	20.000	ng	-0.01
86) Perylene-d12	15.592	264	248939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	533254	86.245	ng	0.00
7) Phenol-d6	6.557	99	560160	73.390	ng	-0.02
23) Nitrobenzene-d5	7.487	82	678648	97.080	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	275023	138.826	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1218284	94.606	ng	0.00
79) Terphenyl-d14	13.033	244	939051	75.734	ng	0.00

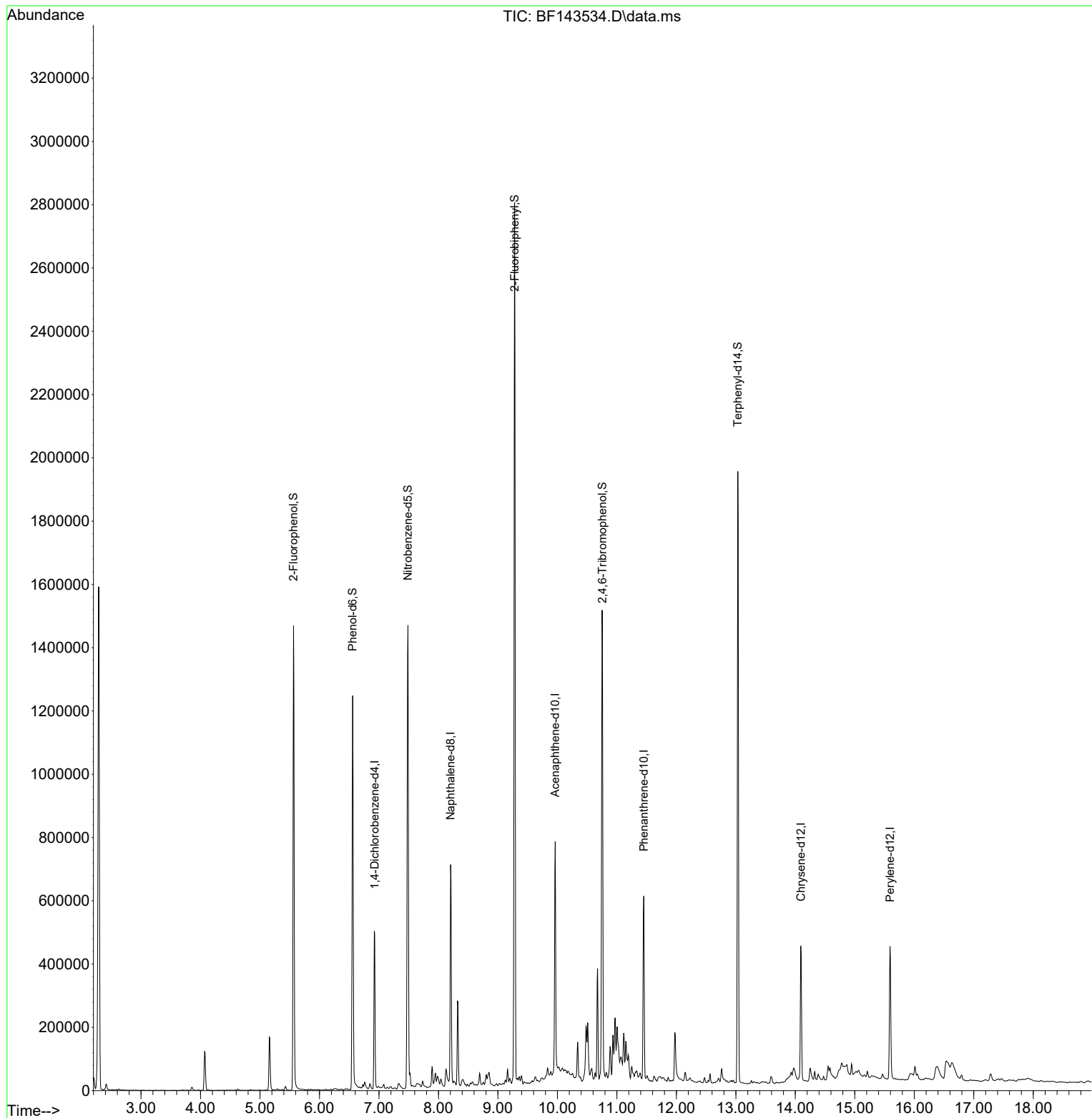
Target Compounds	Qvalue
------------------	--------

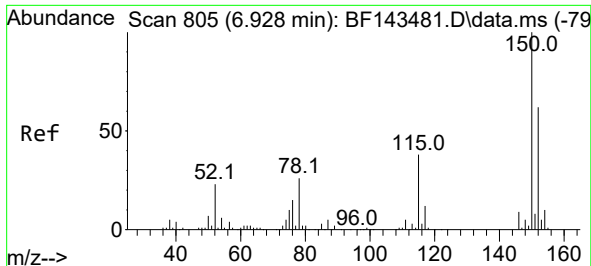
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

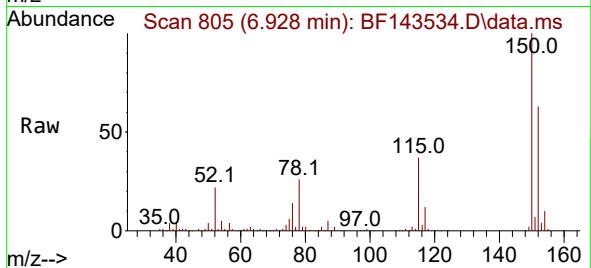
Quant Time: Aug 21 17:44:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



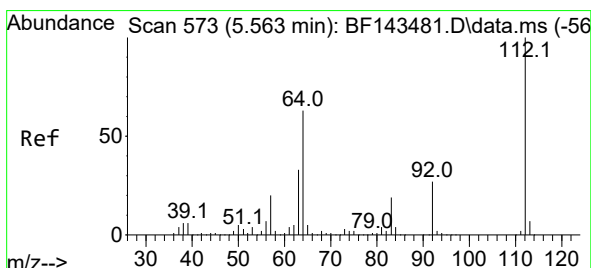
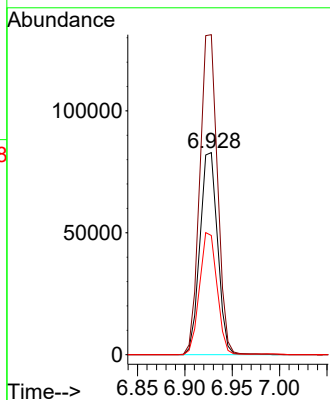
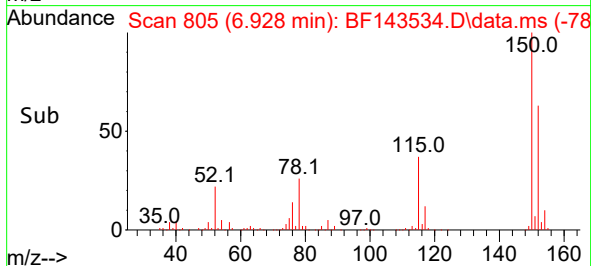


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143534.D
 Acq: 21 Aug 2025 17:07

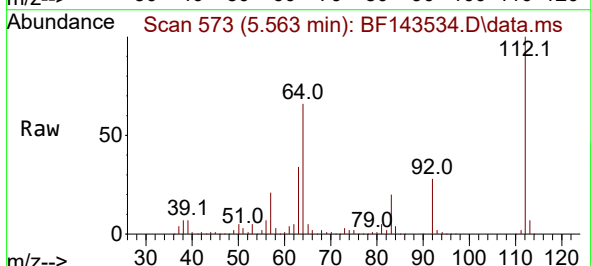
Instrument :
 BNA_F
 ClientSampleId :
 TW-82H-W



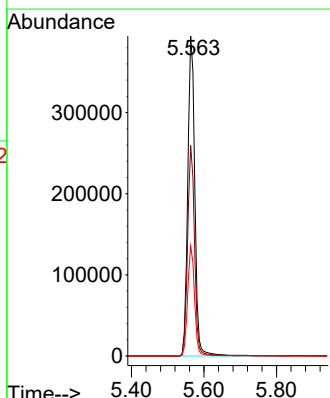
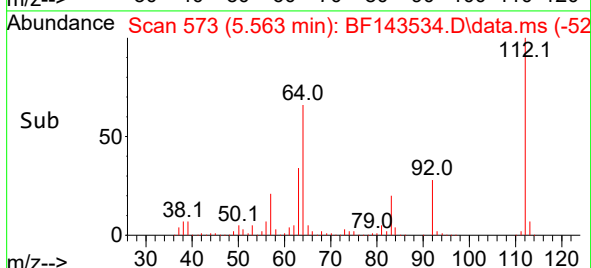
Tgt Ion:152 Resp: 107966
 Ion Ratio Lower Upper
 152 100
 150 158.4 128.9 193.3
 115 59.0 49.2 73.8

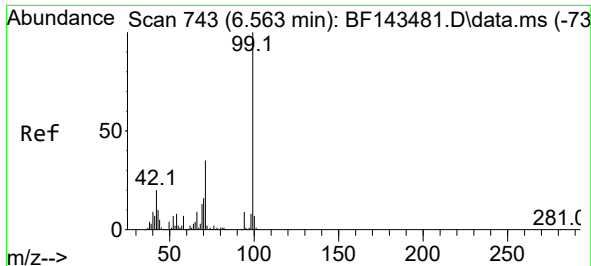


#5
 2-Fluorophenol
 Concen: 86.245 ng
 RT: 5.563 min Scan# 573
 Delta R.T. 0.000 min
 Lab File: BF143534.D
 Acq: 21 Aug 2025 17:07



Tgt Ion:112 Resp: 533254
 Ion Ratio Lower Upper
 112 100
 64 65.8 50.4 75.6
 63 34.3 26.4 39.6

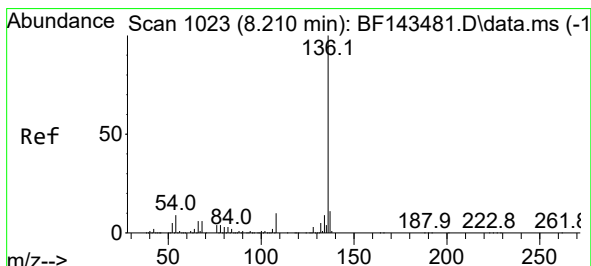
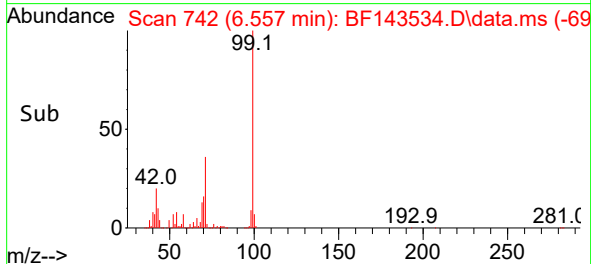
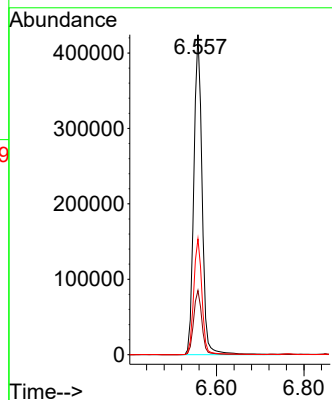
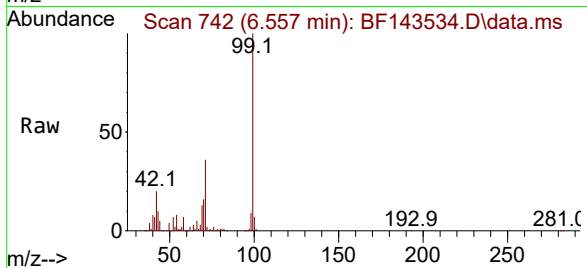




#7
Phenol-d6
Concen: 73.390 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143534.D
Acq: 21 Aug 2025 17:07

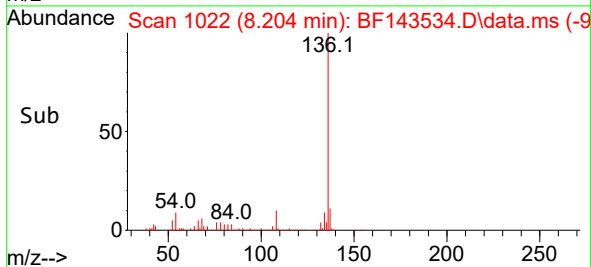
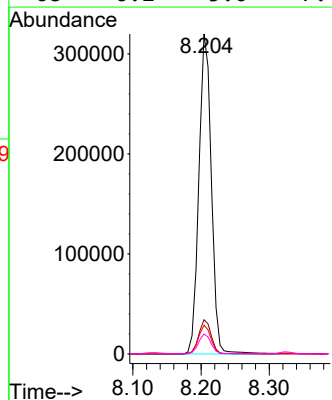
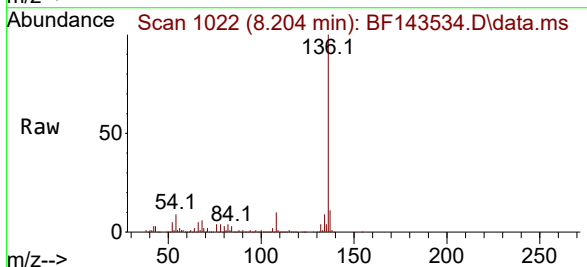
Instrument :
BNA_F
ClientSampleId :
TW-82H-W

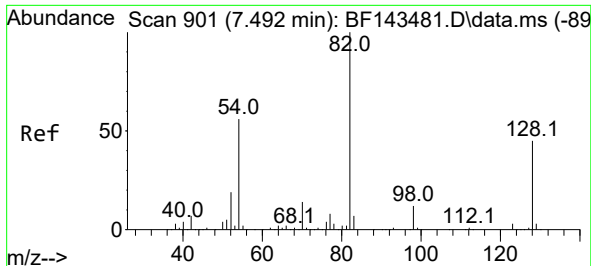
Tgt Ion: 99 Resp: 560160
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 36.2 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143534.D
Acq: 21 Aug 2025 17:07

Tgt Ion: 136 Resp: 407935
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.9 7.4 11.2
68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 97.080 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

Instrument :

BNA_F

ClientSampleId :

TW-82H-W

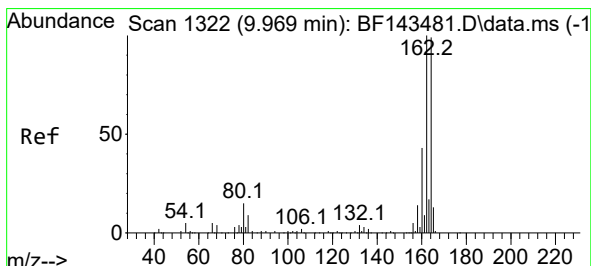
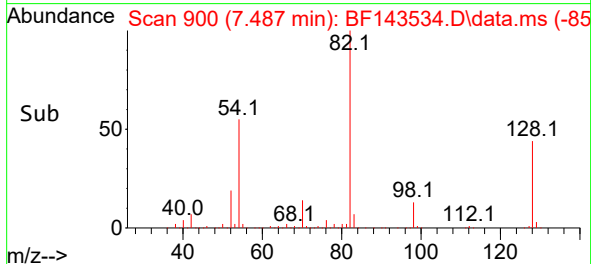
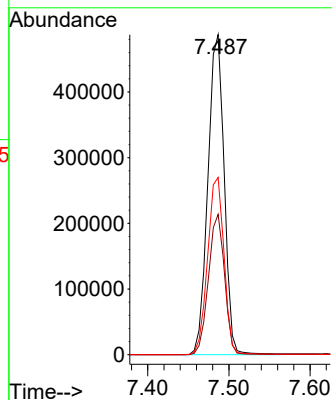
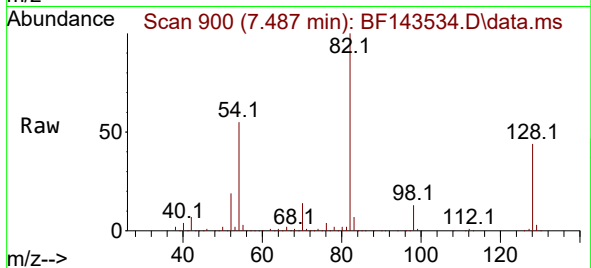
Tgt Ion: 82 Resp: 678648

Ion Ratio Lower Upper

82 100

128 43.8 35.5 53.3

54 55.4 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

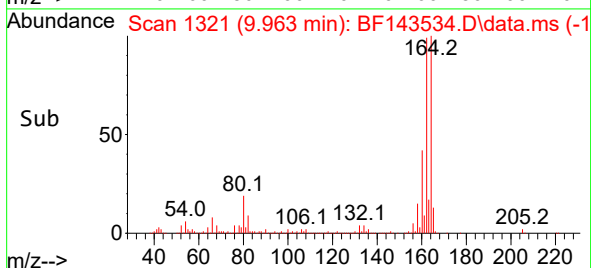
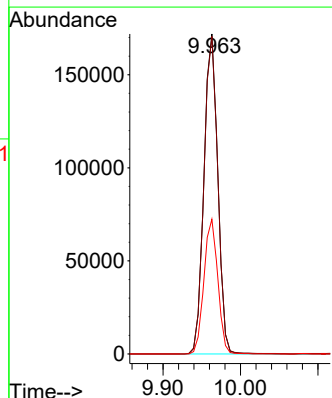
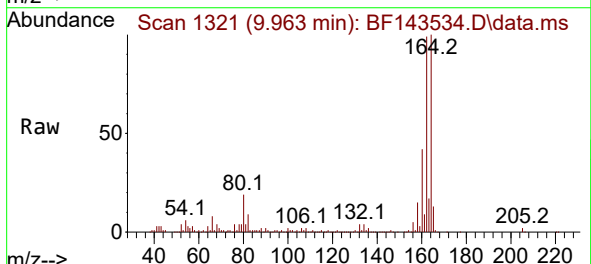
Tgt Ion: 164 Resp: 212822

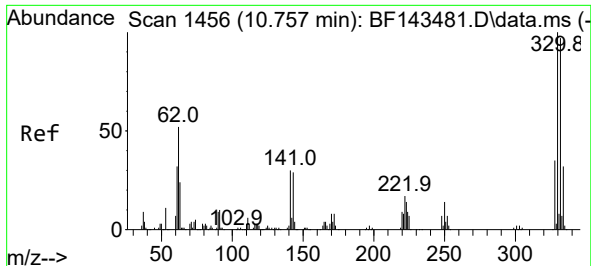
Ion Ratio Lower Upper

164 100

162 99.3 80.5 120.7

160 42.1 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 138.826 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

Instrument :

BNA_F

ClientSampleId :

TW-82H-W

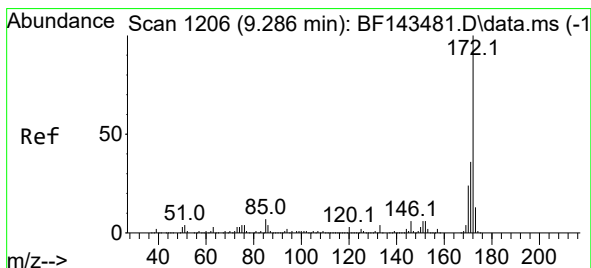
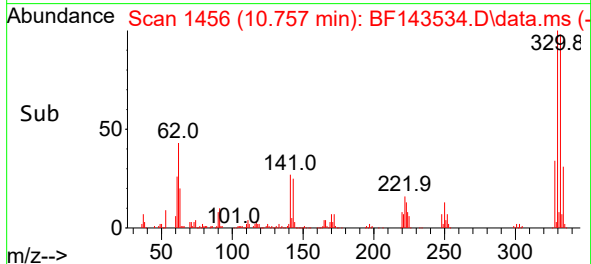
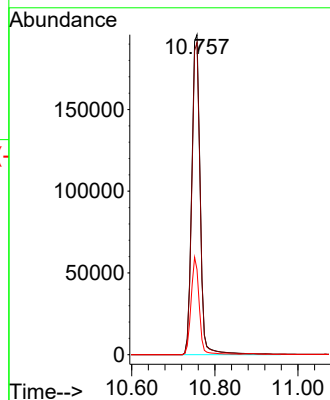
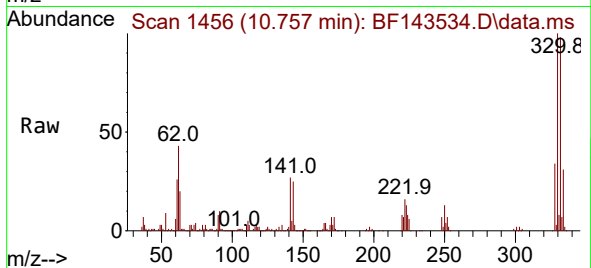
Tgt Ion:330 Resp: 275023

Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 29.6 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 94.606 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

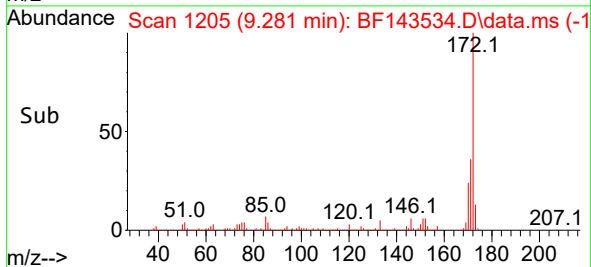
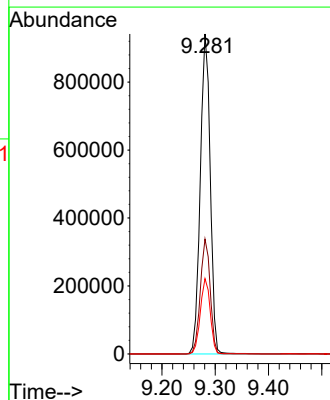
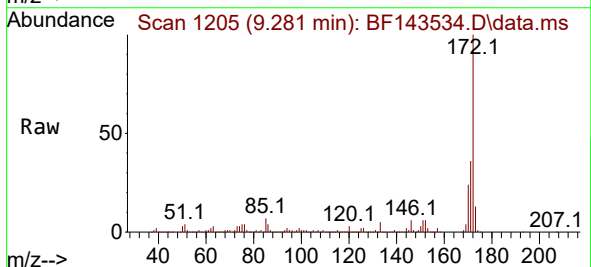
Tgt Ion:172 Resp: 1218284

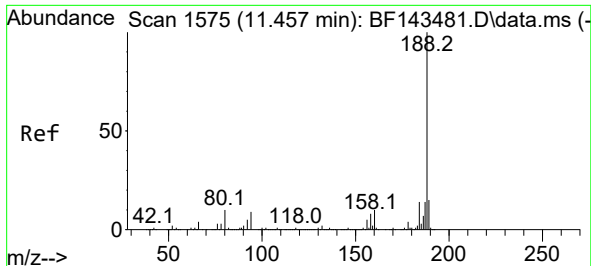
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.6 18.8 28.2

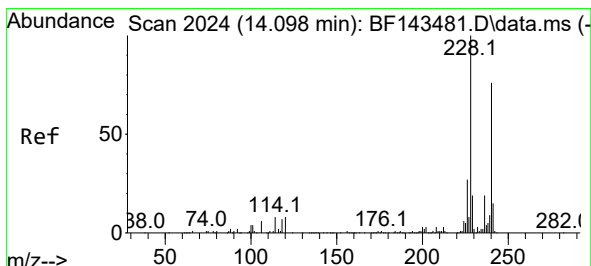
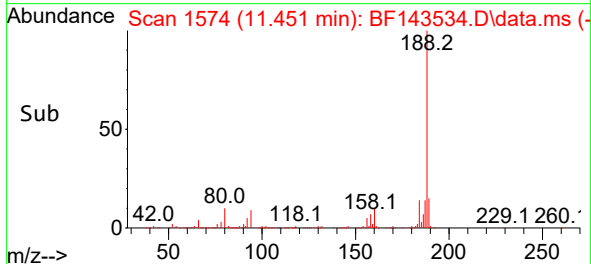
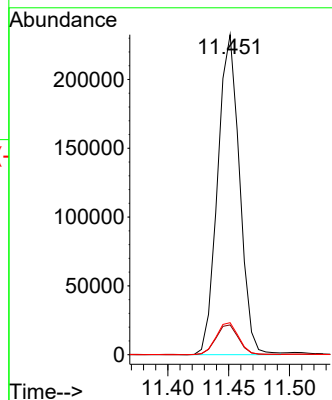
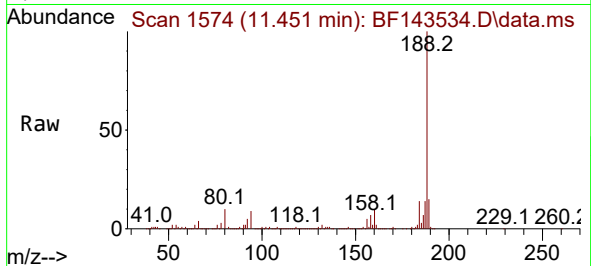




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143534.D
Acq: 21 Aug 2025 17:07

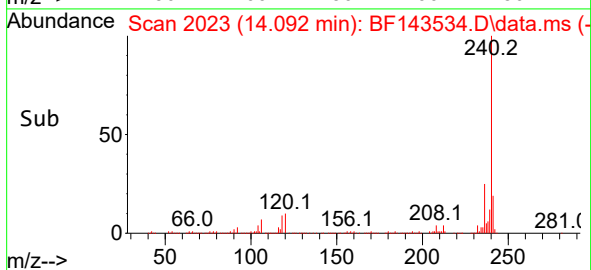
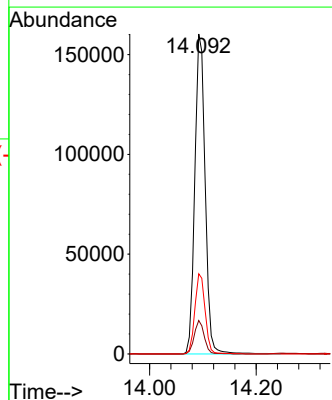
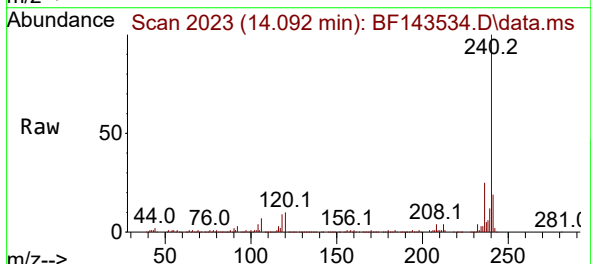
Instrument :
BNA_F
ClientSampleId :
TW-82H-W

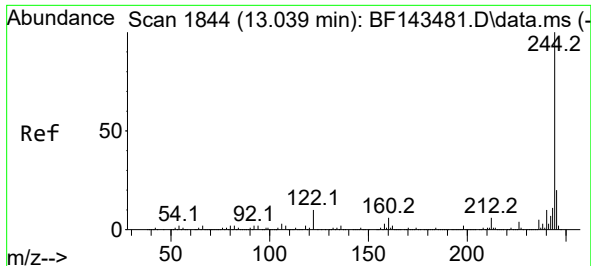
Tgt Ion:188 Resp: 291316
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.0 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143534.D
Acq: 21 Aug 2025 17:07

Tgt Ion:240 Resp: 216372
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 25.1 20.4 30.6

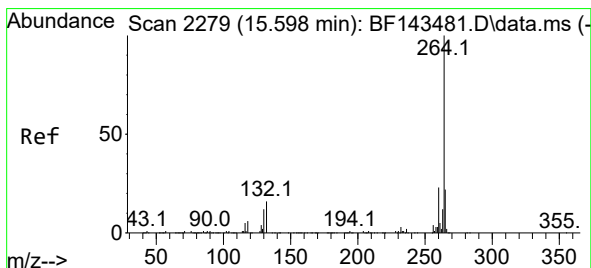
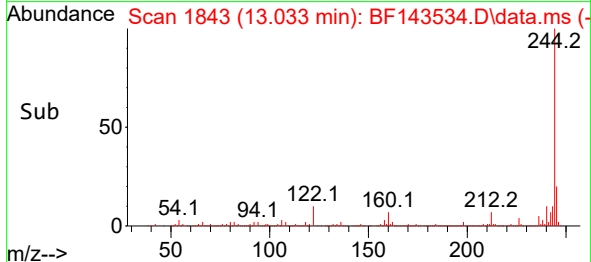
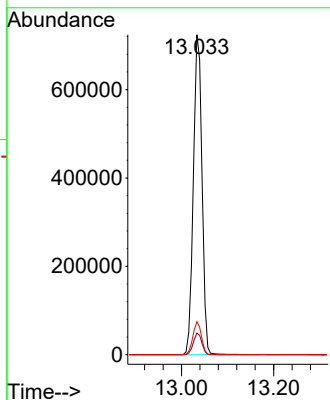
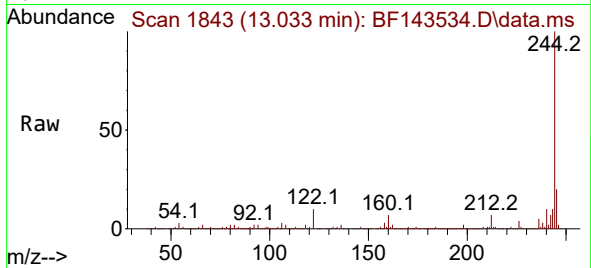




#79
 Terphenyl-d14
 Concen: 75.734 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143534.D
 Acq: 21 Aug 2025 17:07

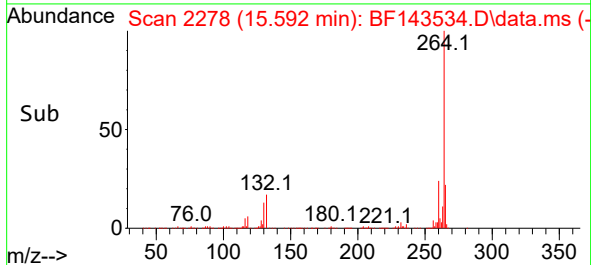
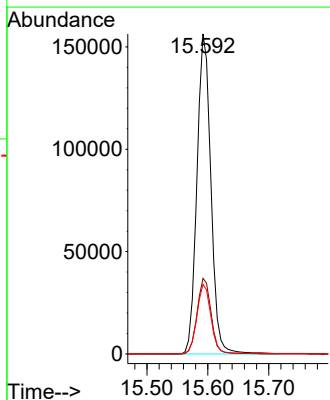
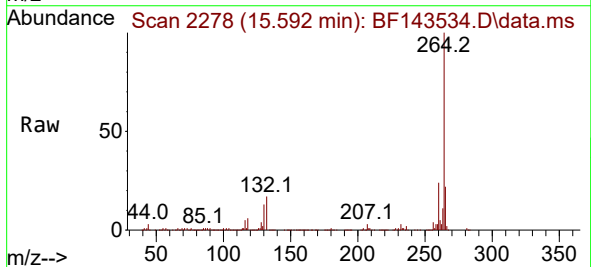
Instrument :
 BNA_F
 ClientSampleId :
 TW-82H-W

Tgt Ion:244 Resp: 939051
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.3 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143534.D
 Acq: 21 Aug 2025 17:07

Tgt Ion:264 Resp: 248939
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.8 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143534.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.287	7	16	28	rVB	1589651	2645934	73.78%	10.014%
2	4.069	313	319	330	rBV	122655	196077	5.47%	0.742%
3	5.157	497	504	516	rBV	168626	256499	7.15%	0.971%
4	5.563	568	573	593	rBV	1466370	1943973	54.21%	7.357%
5	6.557	736	742	759	rBV	1244254	1664753	46.42%	6.300%
6	6.757	773	776	786	rVB3	20940	40961	1.14%	0.155%
7	6.922	799	804	812	rBV	499372	656941	18.32%	2.486%
8	7.334	867	874	887	rBV7	17682	52615	1.47%	0.199%
9	7.487	893	900	904	rBV	1462570	2048541	57.12%	7.753%
10	7.522	904	906	910	rVB	42372	47807	1.33%	0.181%
11	7.893	964	969	973	rBV	63829	86769	2.42%	0.328%
12	7.951	973	979	981	rVV2	40636	69522	1.94%	0.263%
13	7.981	981	984	991	rVV4	28827	61229	1.71%	0.232%
14	8.040	991	994	1004	rVB2	23107	42969	1.20%	0.163%
15	8.128	1004	1009	1017	rBV	53616	130850	3.65%	0.495%
16	8.204	1017	1022	1029	rVB	690169	922971	25.74%	3.493%
17	8.322	1038	1042	1050	rVB	268581	355629	9.92%	1.346%
18	8.404	1050	1056	1063	rBV6	19168	53423	1.49%	0.202%
19	8.692	1101	1105	1110	rVB	35919	46499	1.30%	0.176%
20	8.804	1119	1124	1126	rBV	30787	48507	1.35%	0.184%
21	8.851	1126	1132	1146	rVB6	42419	116155	3.24%	0.440%
22	9.163	1181	1185	1188	rBV	39203	45942	1.28%	0.174%
23	9.281	1196	1205	1210	rBV	2783362	3586268	100.00%	13.573%
24	9.398	1221	1225	1229	rVB2	25744	38283	1.07%	0.145%
25	9.963	1315	1321	1329	rBV	730326	969719	27.04%	3.670%
26	10.339	1381	1385	1392	rVB	111422	135554	3.78%	0.513%
27	10.481	1400	1409	1412	rBV	170499	315841	8.81%	1.195%
28	10.510	1412	1414	1420	rVV	180017	246213	6.87%	0.932%
29	10.575	1420	1425	1431	rVB2	33897	71282	1.99%	0.270%
30	10.675	1437	1442	1446	rVB	349617	431461	12.03%	1.633%
31	10.751	1446	1455	1464	rBV	1482142	2039550	56.87%	7.719%
32	10.886	1472	1478	1482	rBV2	97708	153237	4.27%	0.580%
33	10.934	1482	1486	1489	rBV2	123101	175413	4.89%	0.664%
34	10.969	1489	1492	1495	rVV2	158246	231242	6.45%	0.875%
35	11.004	1495	1498	1505	rVB3	115471	225797	6.30%	0.855%
36	11.116	1513	1517	1520	rBV4	99664	135839	3.79%	0.514%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.151	1520	1523	1528	rVV	83262	130445	3.64%	0.494%
38	11.192	1528	1530	1536	rVB2	74083	104310	2.91%	0.395%
39	11.251	1536	1540	1547	rBV2	37586	75265	2.10%	0.285%
40	11.451	1569	1574	1579	rBV	577136	722774	20.15%	2.735%
41	11.975	1659	1663	1677	rBV3	152201	278824	7.77%	1.055%
42	12.151	1688	1693	1698	rBV2	25887	41650	1.16%	0.158%
43	12.569	1760	1764	1771	rVB	28417	38577	1.08%	0.146%
44	12.763	1792	1797	1803	rBV	39562	70936	1.98%	0.268%
45	13.033	1838	1843	1855	rVB	1932287	2484918	69.29%	9.404%
46	13.592	1934	1938	1946	rVB4	20755	40739	1.14%	0.154%
47	13.974	1998	2003	2015	rVB3	35300	103098	2.87%	0.390%
48	14.092	2019	2023	2033	rVB	425648	566224	15.79%	2.143%
49	14.251	2045	2050	2059	rBV3	38249	86503	2.41%	0.327%
50	14.327	2059	2063	2067	rVV2	27012	37687	1.05%	0.143%
51	14.386	2069	2073	2082	rVB	18159	37770	1.05%	0.143%
52	14.551	2095	2101	2104	rBV	42419	81158	2.26%	0.307%
53	14.945	2165	2168	2172	rVB	32602	38776	1.08%	0.147%
54	15.592	2272	2278	2289	rVB	418780	667134	18.60%	2.525%
55	16.010	2346	2349	2354	rVB3	27352	40284	1.12%	0.152%
56	16.386	2404	2413	2431	rVB3	37656	182746	5.10%	0.692%
57	16.539	2432	2439	2450	rBV3	53467	253248	7.06%	0.958%
58	17.286	2561	2566	2578	rVB7	21269	49572	1.38%	0.188%

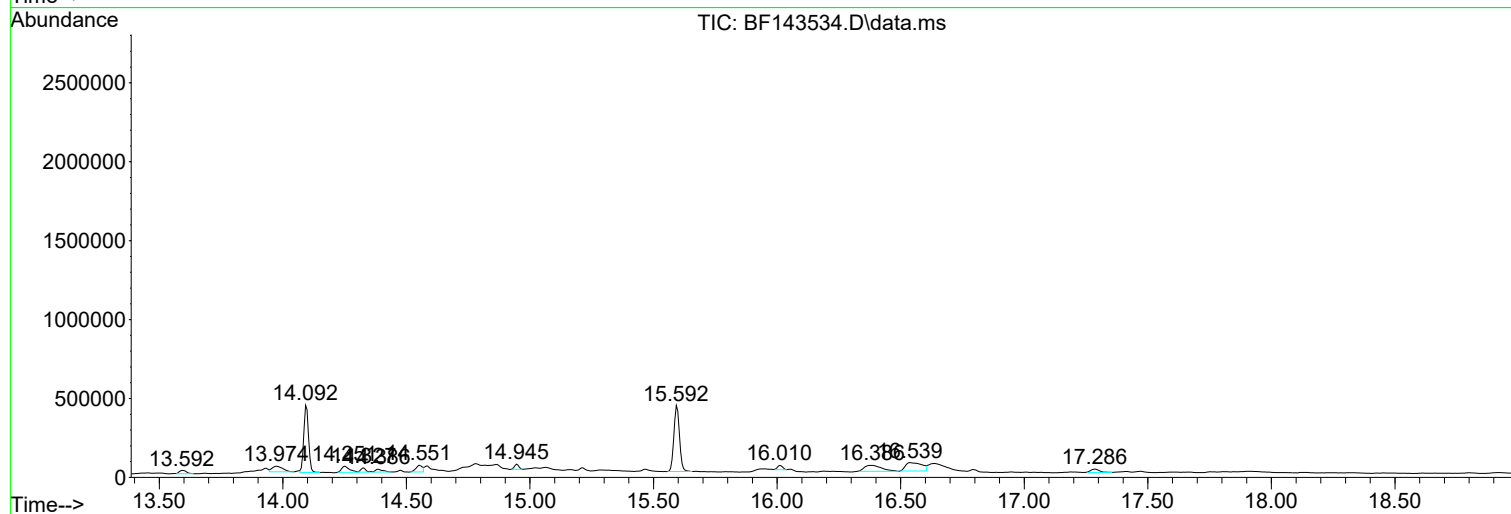
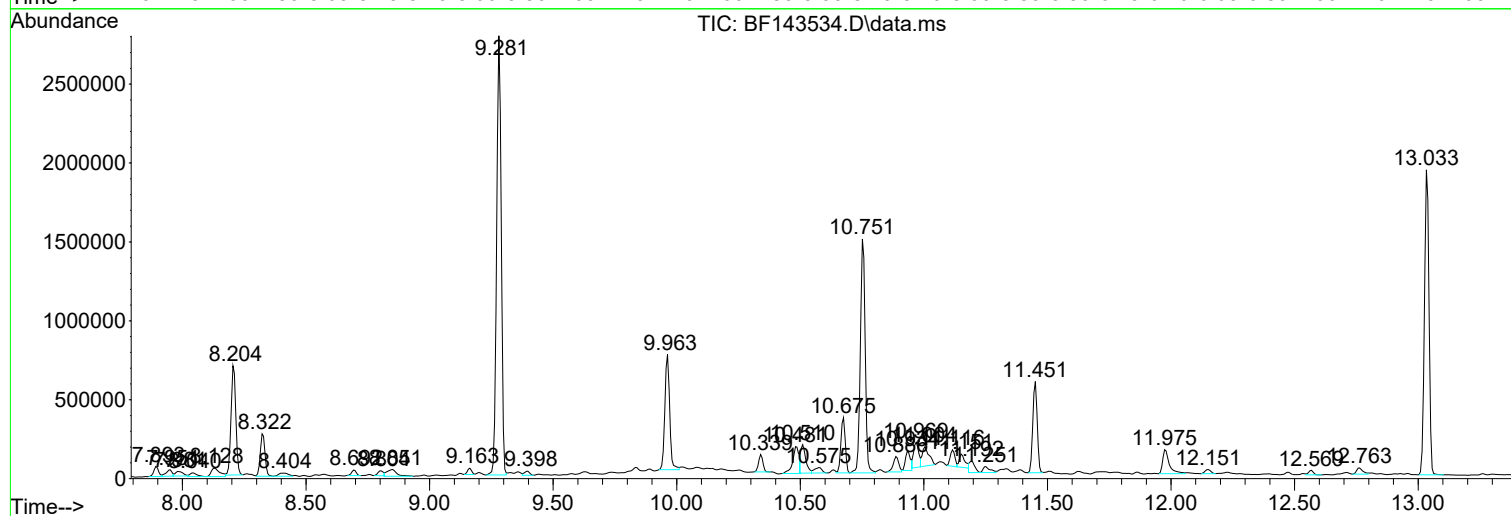
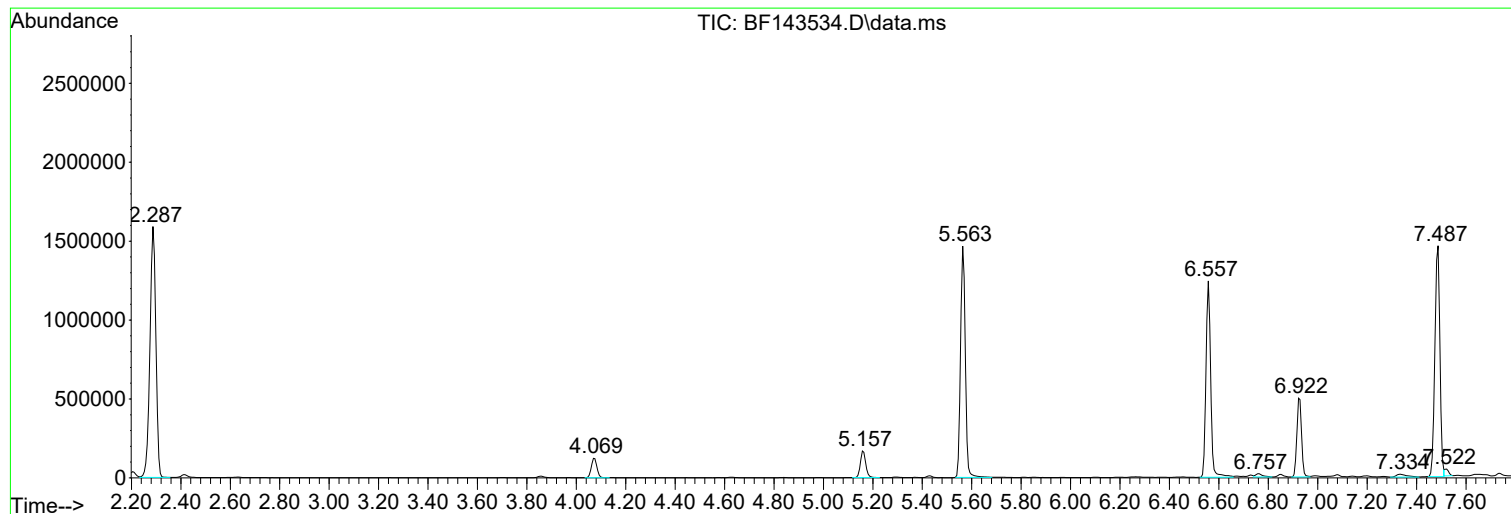
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Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

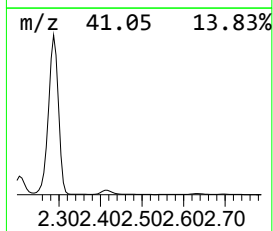
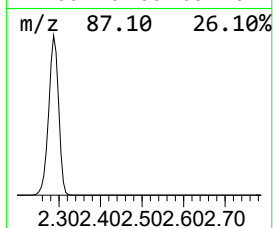
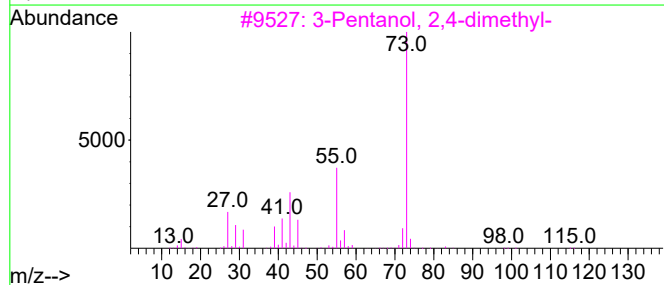
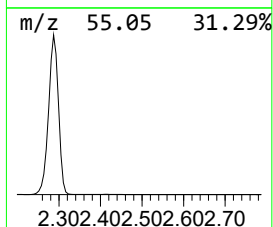
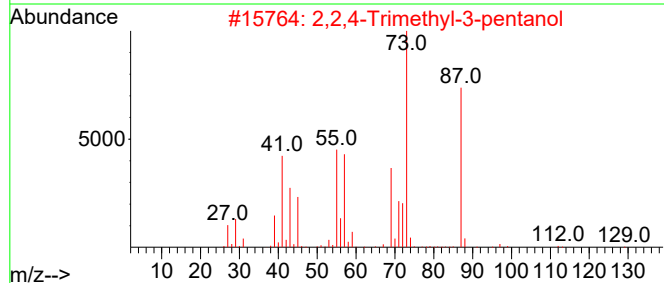
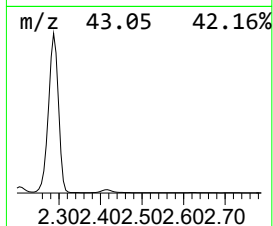
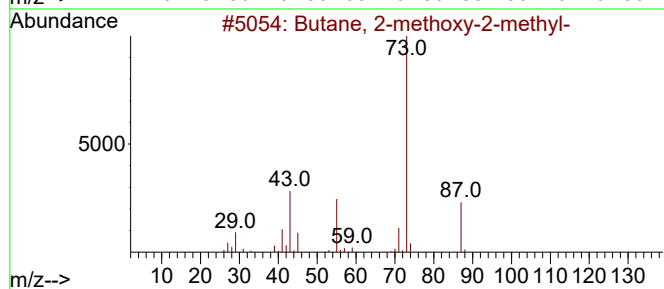
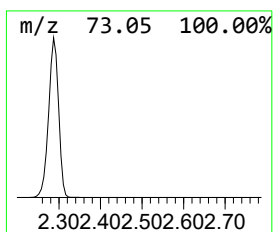
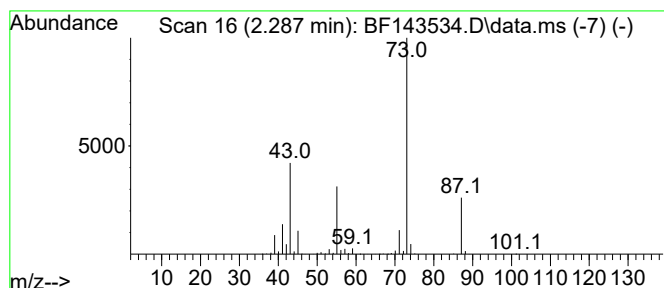
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.287	80.55 ng	2645930	1,4-Dichlorobenzene-d4	6.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
5			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

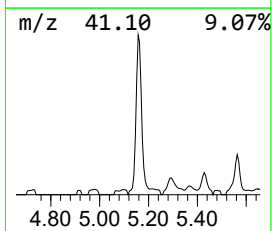
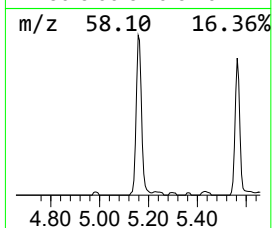
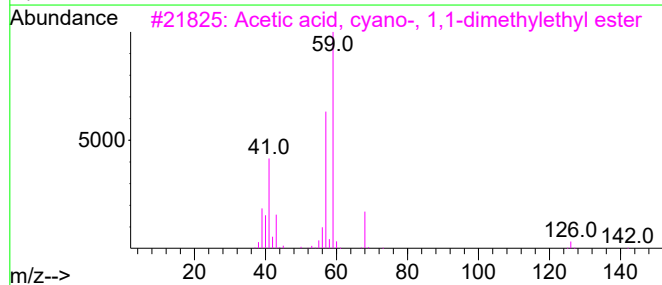
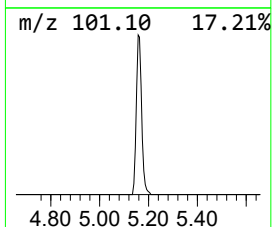
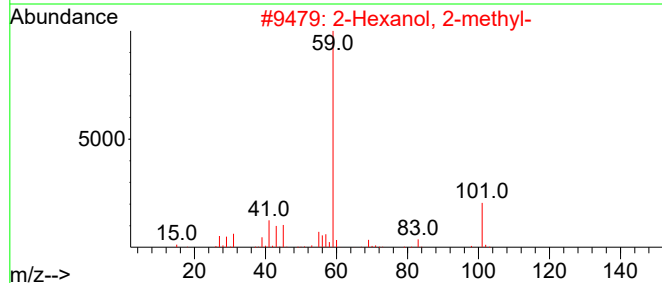
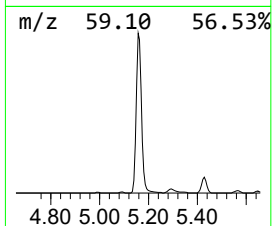
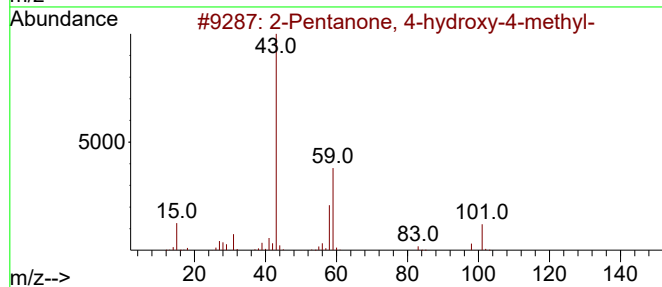
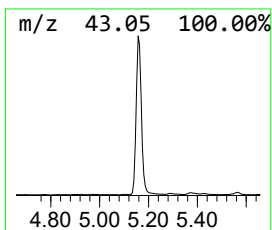
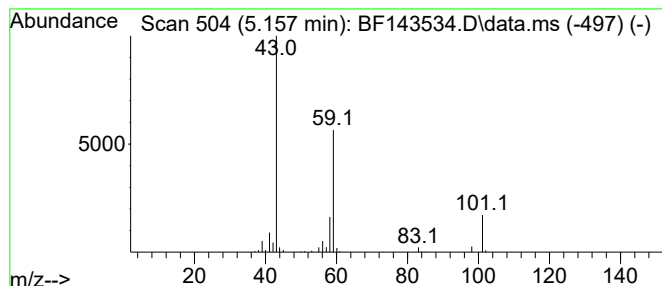
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.157	7.81 ng	256499	1,4-Dichlorobenzene-d4	6.928

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

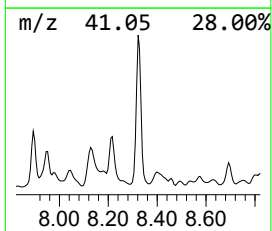
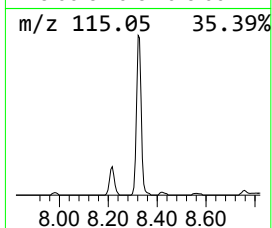
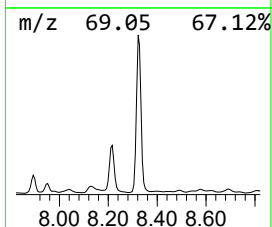
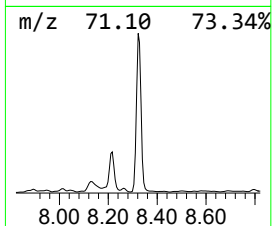
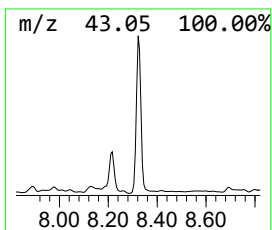
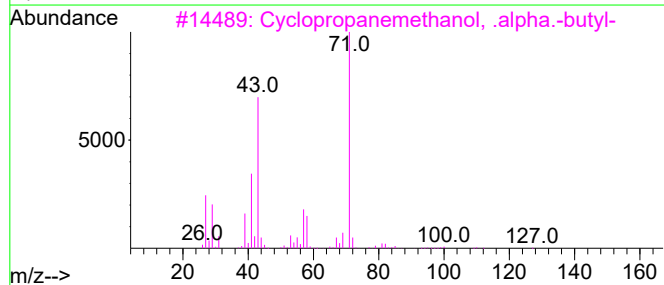
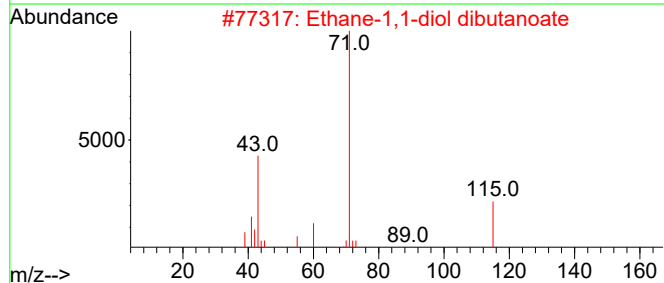
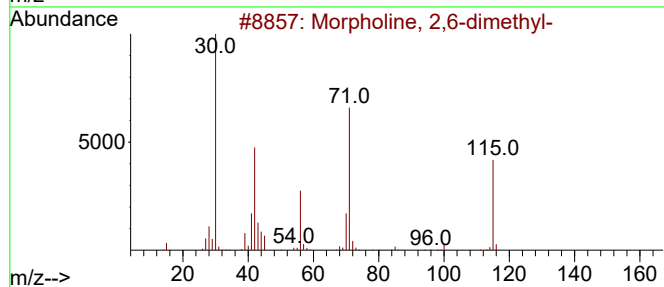
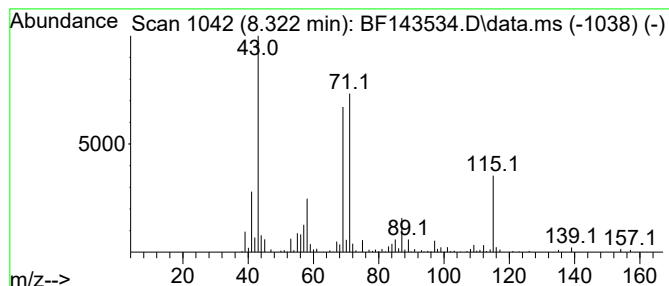
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Morpholine, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.322	7.71 ng	355629	Naphthalene-d8	8.204

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Morpholine, 2,6-dimethyl-	115	C6H13NO	000141-91-3	53
2		Ethane-1,1-diol dibutanoate	202	C10H18O4	025572-25-2	50
3		Cyclopropanemethanol, .alpha.-bu...	128	C8H16O	004379-16-2	50
4		1-Methoxycyclohexane	114	C7H14O	000931-56-6	50
5		3,3-Dimethyl-2,4-pentane dione	128	C7H12O2	003142-58-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

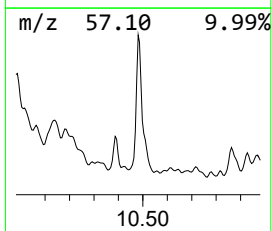
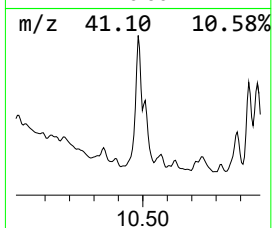
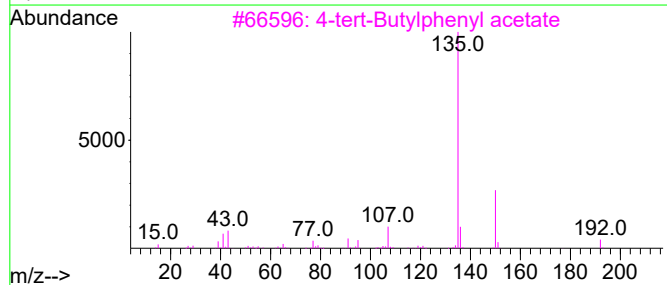
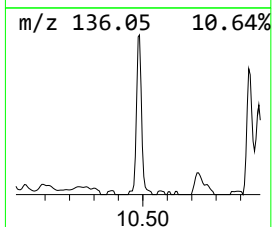
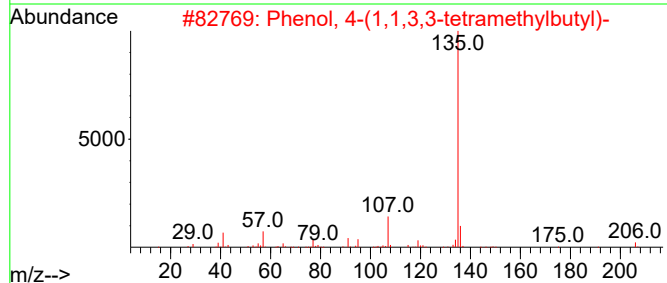
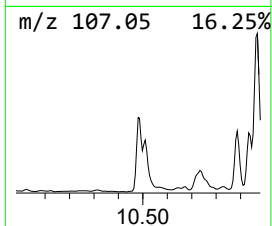
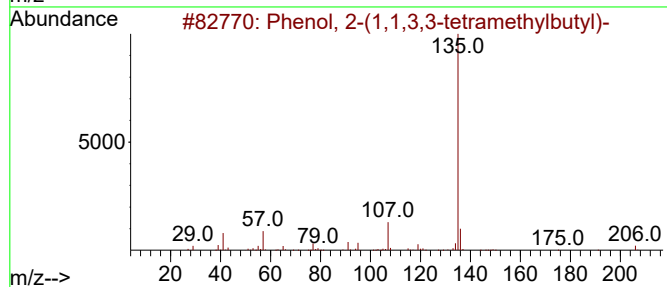
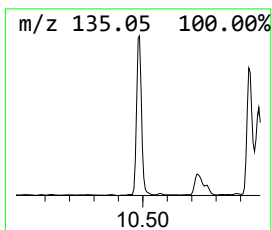
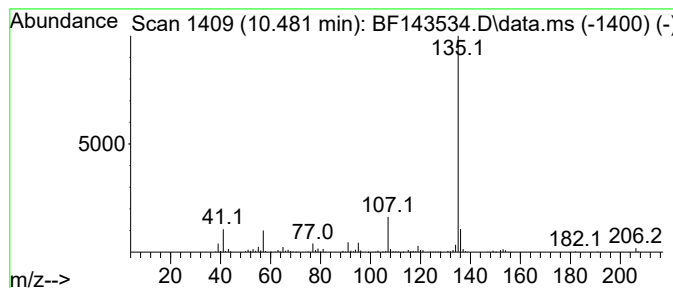
Instrument :
BNA_F
ClientSampleId :
TW-82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenol, 2-(1,1,3,3-tetramet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.481	6.51 ng	315841	Acenaphthene-d10	9.963	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1,3,3-tetramethylbu...	206	C14H22O	003884-95-5	97
2	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	96
3	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	72
4	2-tert-Butylphenol, 0-(n-propylo...	236	C14H20O3	1000487-37-9	64
5	Pentanoic acid, 5-hydroxy-, p-t...	250	C15H22O3	166273-37-6	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
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Sample : Q2814-07
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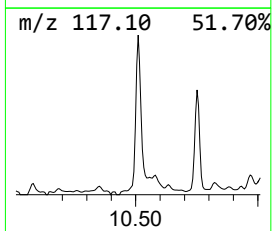
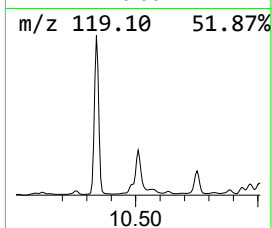
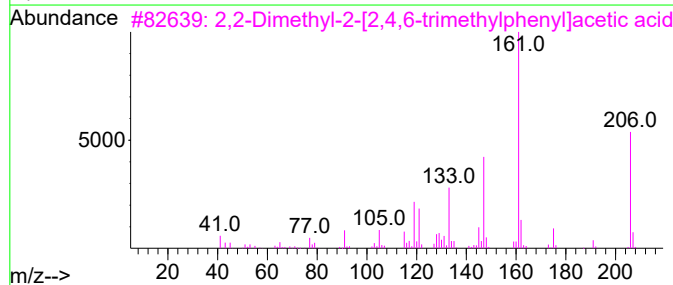
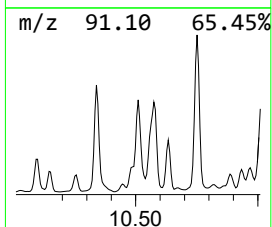
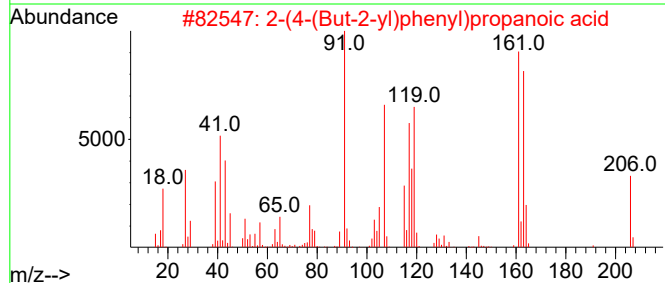
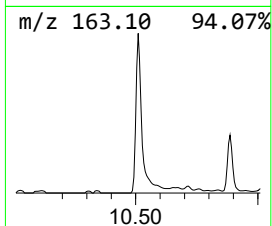
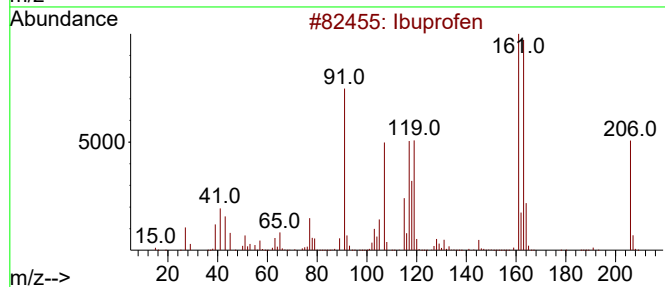
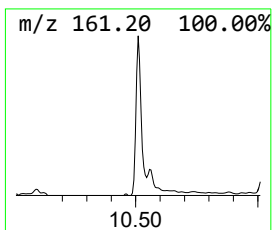
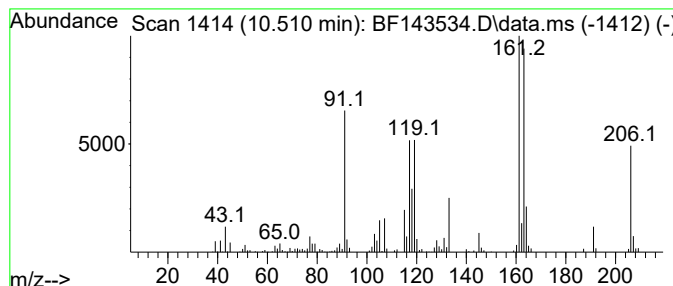
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Ibuprofen Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.510	5.08 ng	246213	Acenaphthene-d10	9.963	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ibuprofen	206	C13H18O2	015687-27-1	95
2	2-(4-(But-2-yl)phenyl)propanoic ...	206	C13H18O2	064451-76-9	93
3	2,2-Dimethyl-2-[2,4,6-trimethylp...	206	C13H18O2	1000128-93-8	41
4	Benzenamine, 3,5-dichloro-	161	C6H5Cl2N	000626-43-7	38
5	N-(2-Phenylethenyl)acetamide	161	C10H11NO	1000305-37-3	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-82H-W

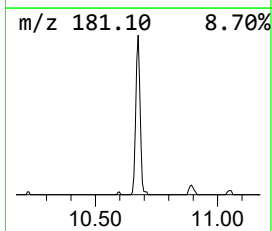
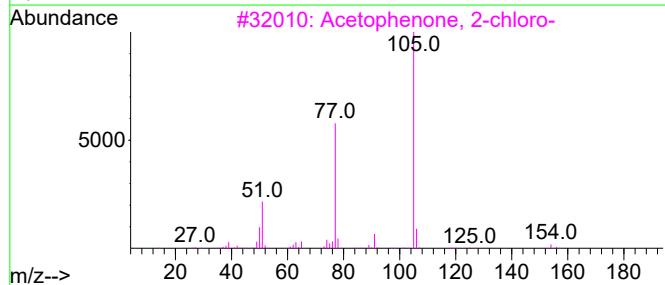
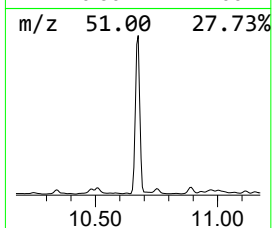
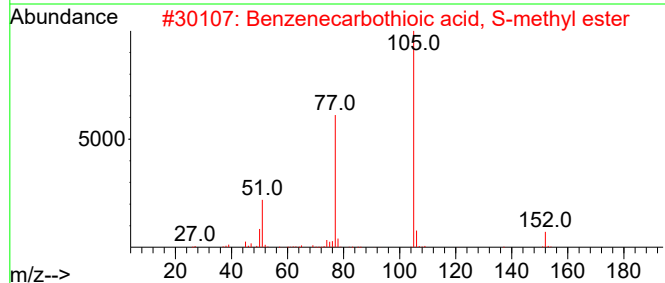
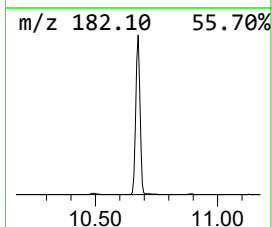
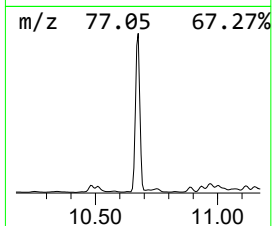
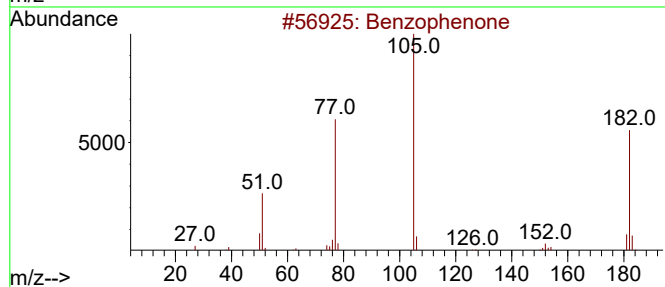
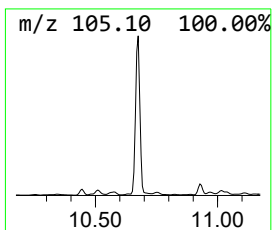
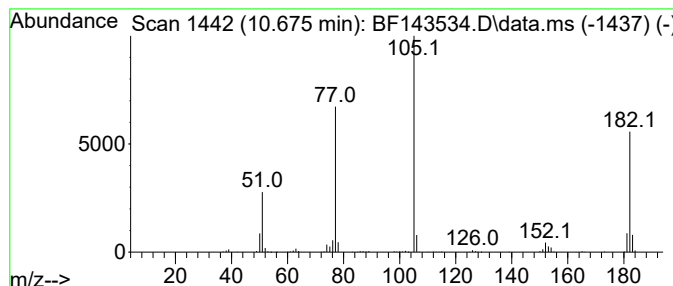
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	8.90 ng	431461	Acenaphthene-d10	9.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	58
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

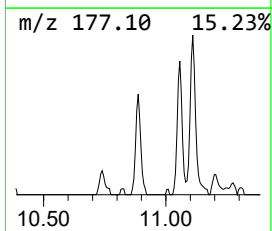
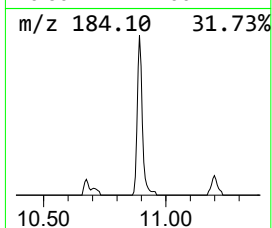
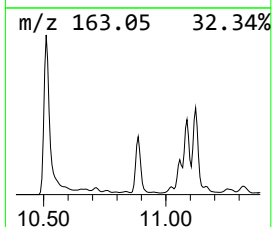
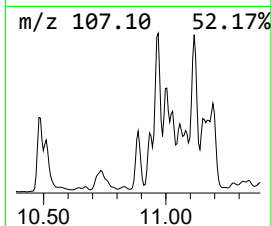
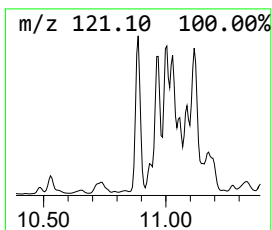
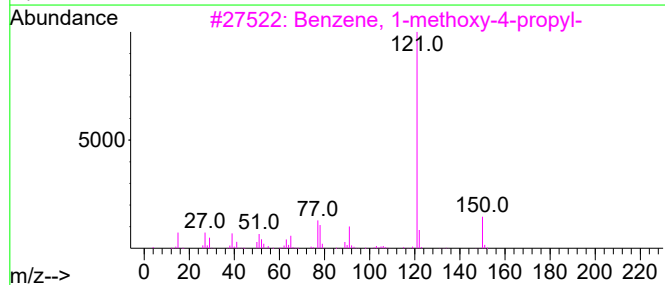
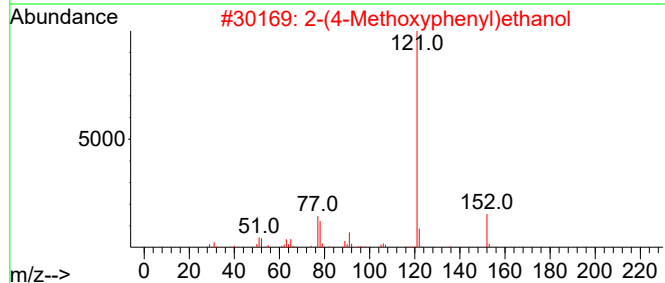
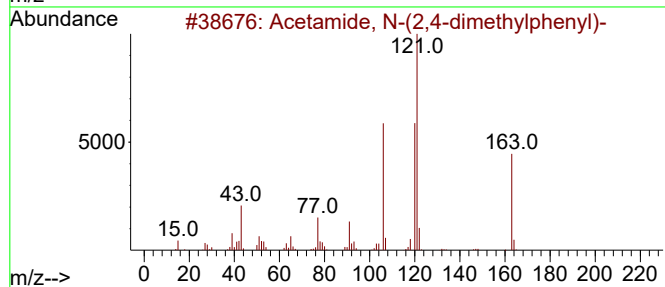
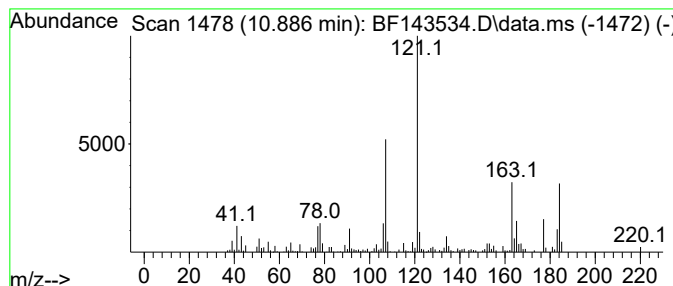
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown10.886 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.886	4.24 ng	153237	Phenanthrene-d10	11.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetamide, N-(2,4-dimethylphenyl)-	163	C10H13NO	002050-43-3	46
2			2-(4-Methoxyphenyl)ethanol	152	C9H12O2	000702-23-8	41
3			Benzene, 1-methoxy-4-propyl-	150	C10H14O	000104-45-0	38
4			2-Propanone, 1-(4-methoxyphenyl)-	164	C10H12O2	000122-84-9	38
5			Benzene, 1-methoxy-4-pentyl-	178	C12H18O	020056-58-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
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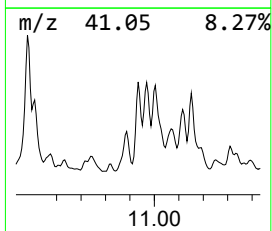
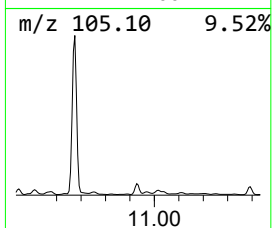
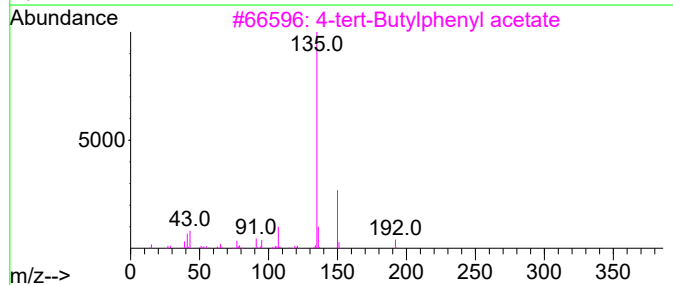
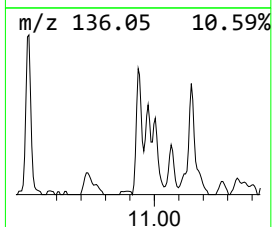
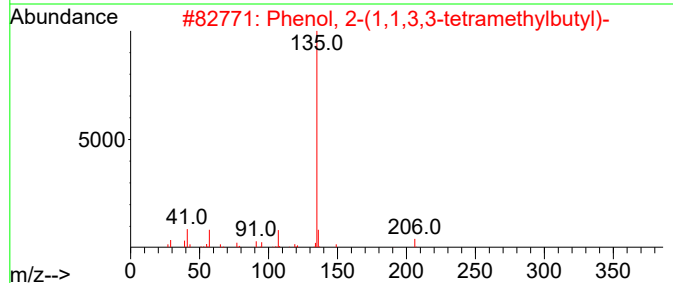
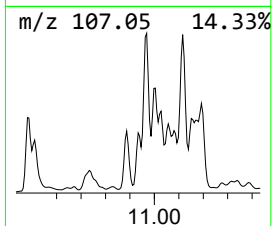
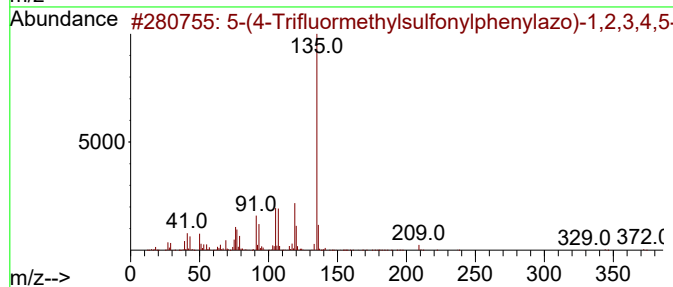
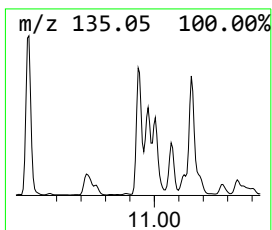
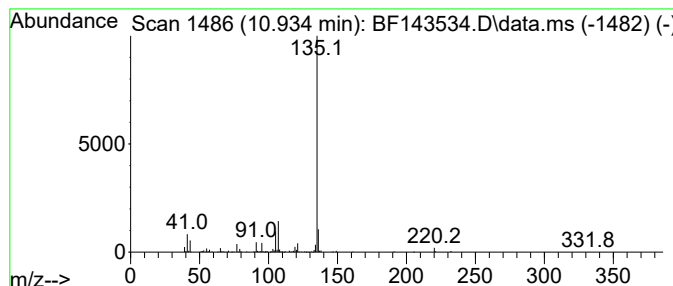
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 5-(4-Trifluormethylsulfonyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.934	4.85 ng	175413	Phenanthrene-d10	11.451

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		5-(4-Trifluormethylsulfonylpheny...	372	C17H19F3N2O2S	187338-96-1	72
2		Phenol, 2-(1,1,3,3-tetramethylbu...	206	C14H22O	003884-95-5	72
3		4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	72
4		4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	72
5		Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

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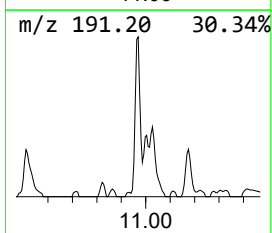
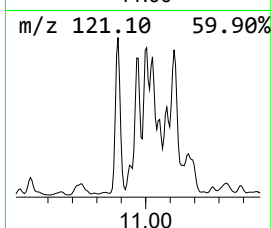
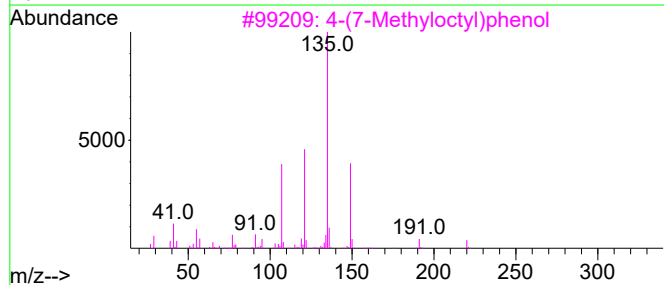
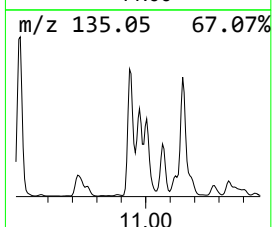
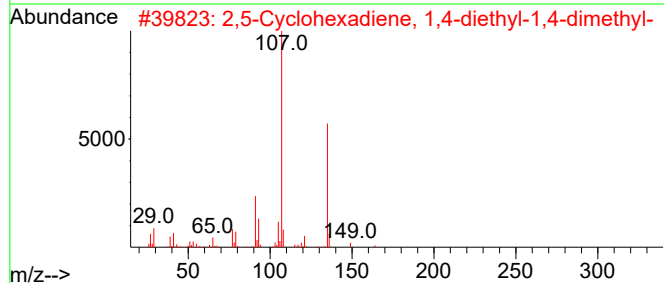
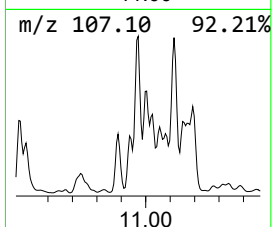
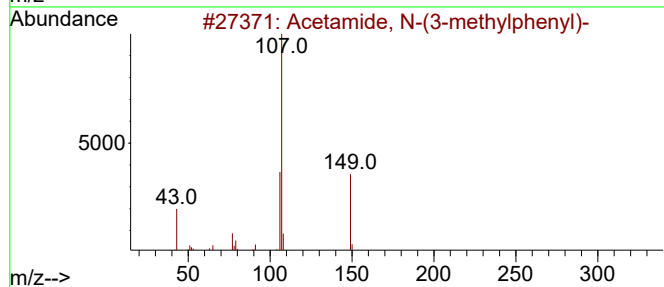
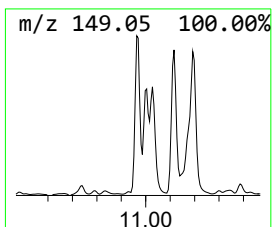
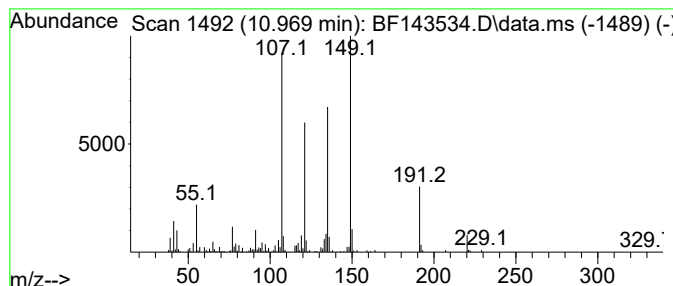
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Acetamide, N-(3-methylphenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.969	6.40 ng	231242	Phenanthrene-d10	11.451

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	52
2		2,5-Cyclohexadiene, 1,4-diethyl-...	164	C12H20	1000150-21-6	43
3		4-(7-Methyloctyl)phenol	220	C15H24O	024518-48-7	41
4		1-Isopropenyl-3-propenylcyclopent...	150	C11H18	1000192-81-2	38
5		Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-82H-W

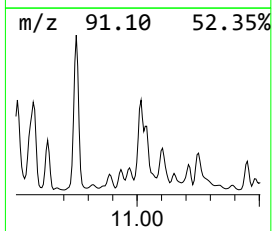
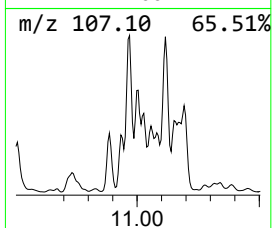
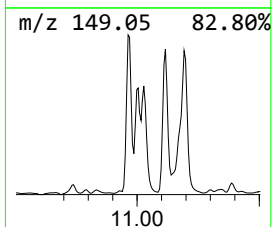
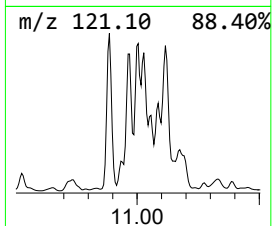
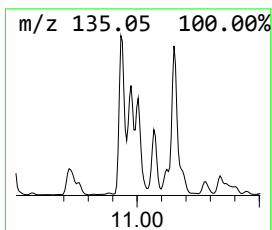
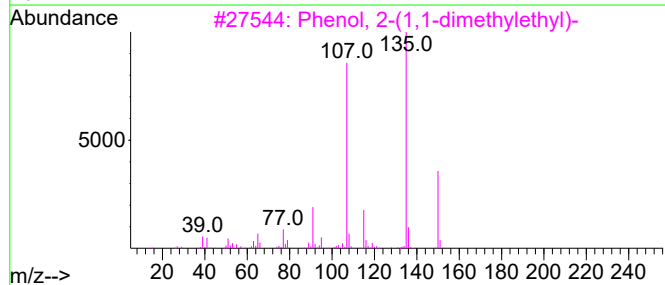
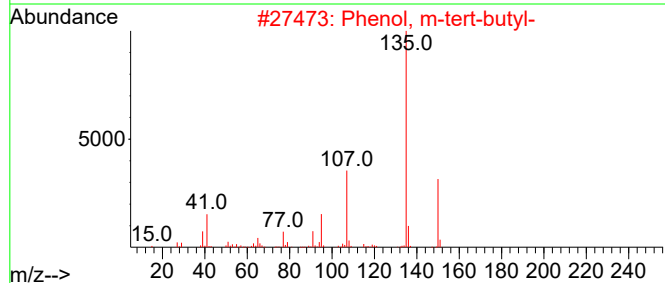
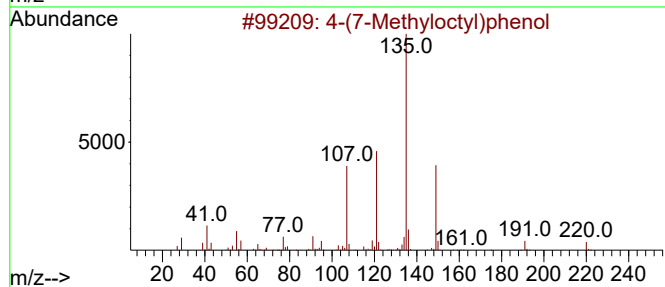
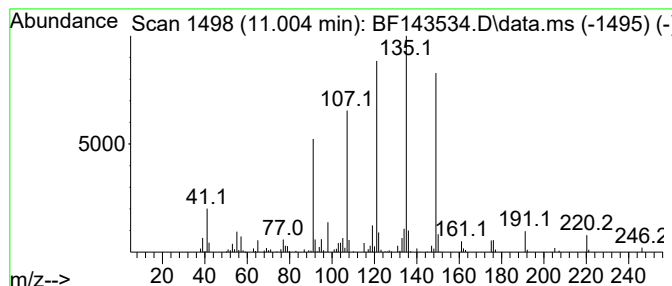
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4-(7-Methyloctyl)phenol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.004	6.25 ng	225797	Phenanthrene-d10	11.451

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-(7-Methyloctyl)phenol	220	C15H24O	024518-48-7	92
2		Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	30
3		Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	30
4		Hexestrol, O-(n-propyloxycarbonyl)-	356	C22H28O4	1000487-65-1	27
5		Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-82H-W

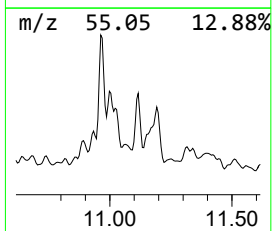
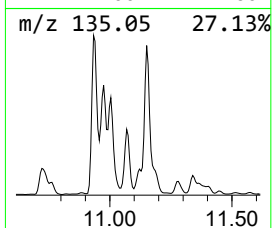
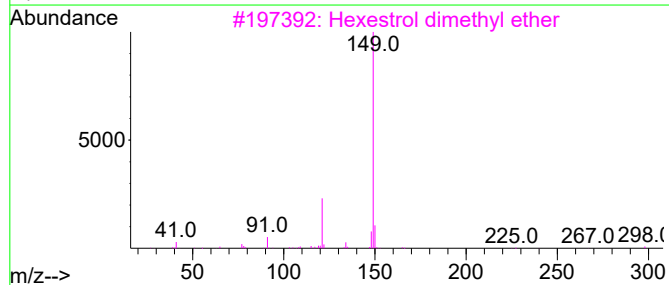
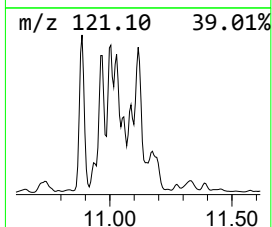
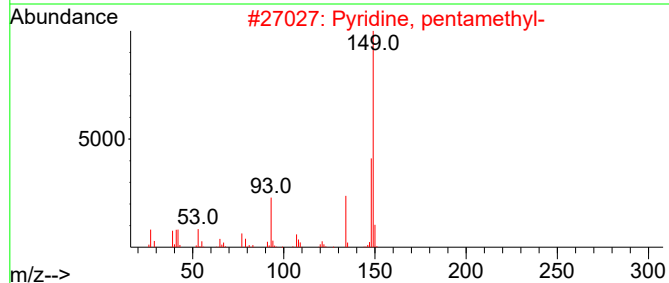
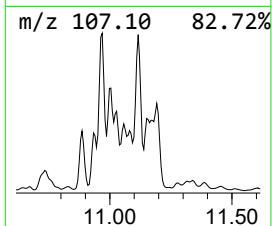
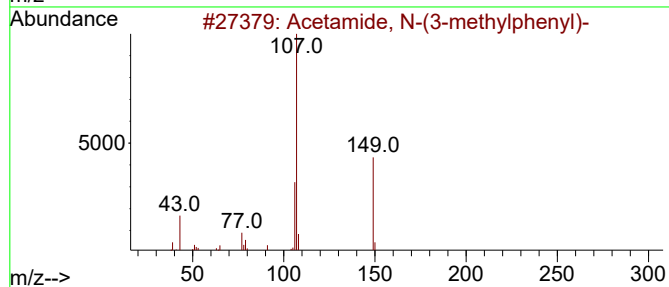
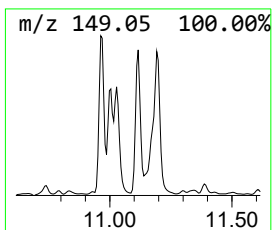
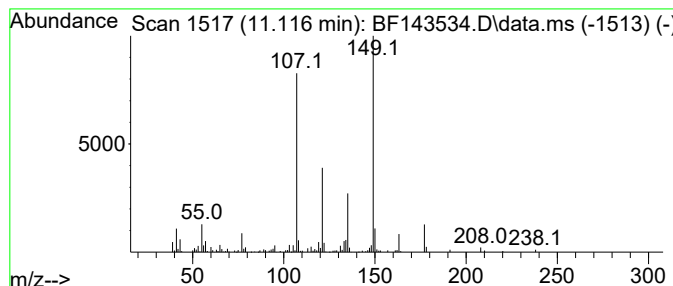
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown11.116 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	3.76 ng	135839	Phenanthrene-d10	11.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	46
2			Pyridine, pentamethyl-	149	C10H15N	003748-83-2	35
3			Hexestrol dimethyl ether	298	C20H26O2	000130-78-9	35
4			3,4-(methylenedioxy)-phenylbutan...	192	C11H12O3	1000378-99-2	35
5			Phthalic acid, ethyl hept-3-yl e...	292	C17H24O4	1000356-98-4	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
TW-82H-W

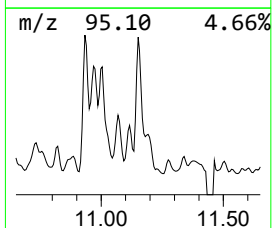
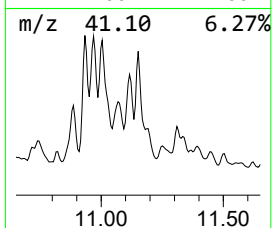
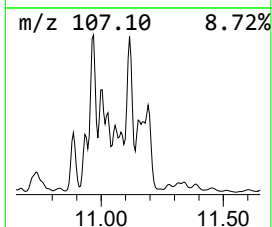
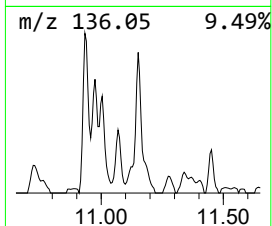
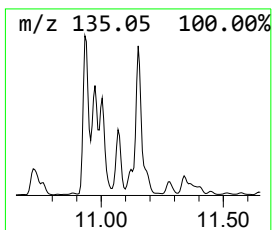
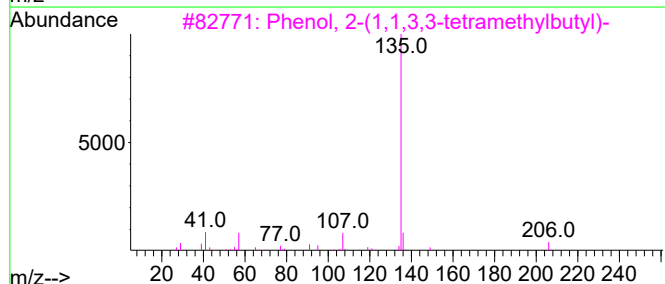
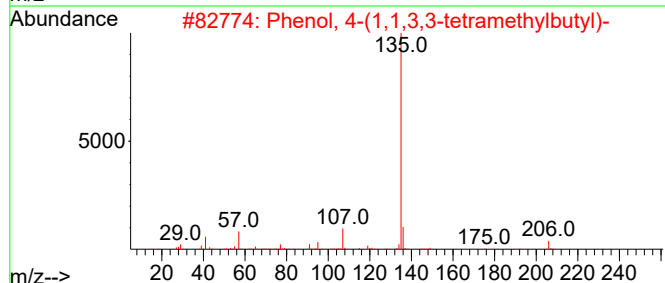
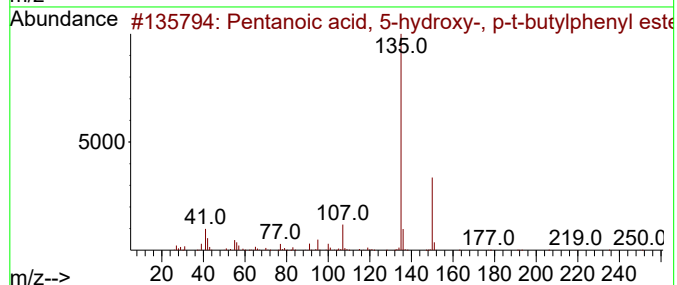
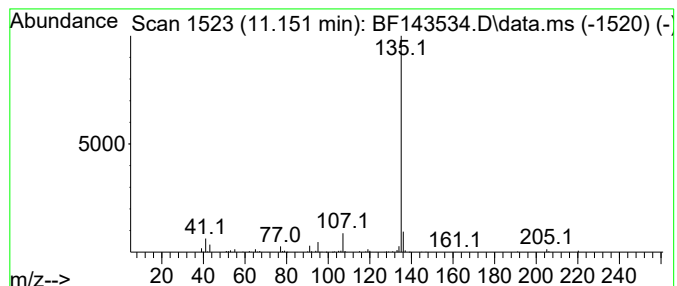
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pentanoic acid, 5-hydroxy-,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.151	3.61 ng	130445	Phenanthrene-d10	11.451

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentanoic acid, 5-hydroxy-, p-t...	250	C15H22O3	166273-37-6	78
2		Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
3		Phenol, 2-(1,1,3,3-tetramethylbu...	206	C14H22O	003884-95-5	78
4		1-Adamantanecarboxylic acid, 4-c...	281	C18H19NO2	1010307-66-3	64
5		2-(2-Adamantan-1-yl-2-oxo-ethyl)...	242	C15H18N2O	1000296-74-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

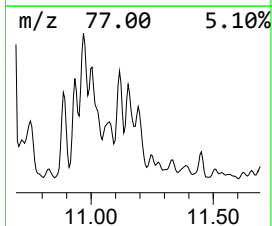
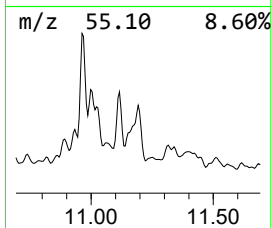
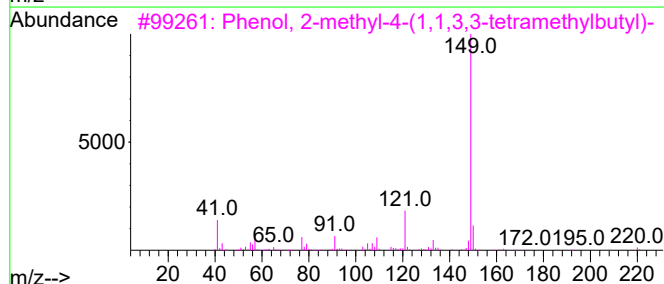
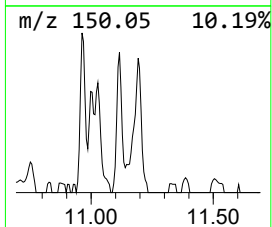
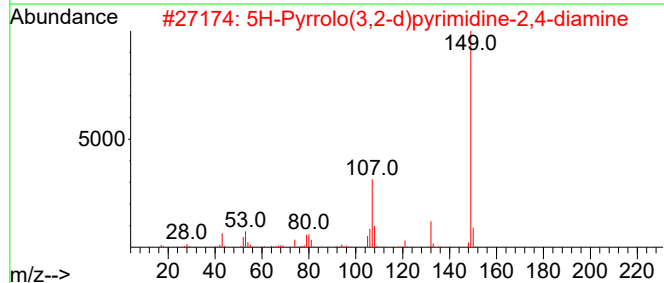
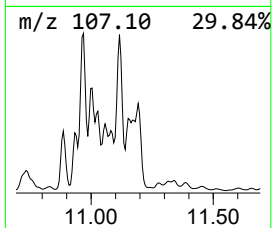
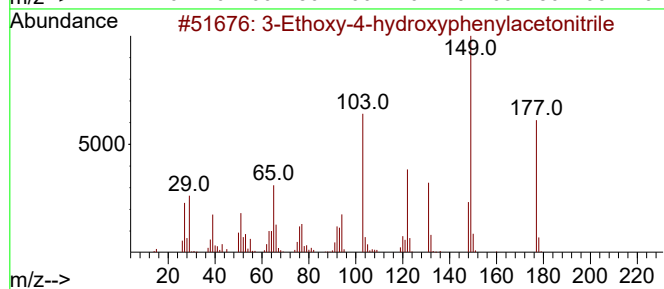
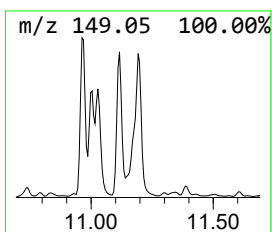
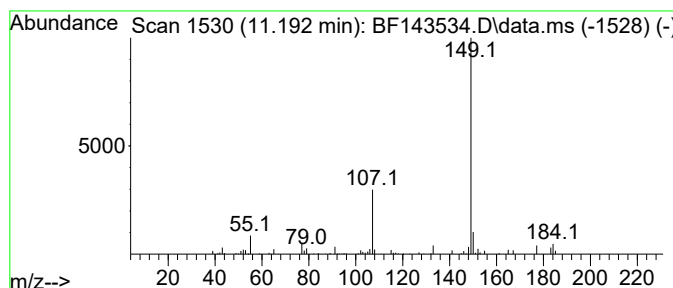
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ClientSampleId :
TW-82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 3-Ethoxy-4-hydroxyphenylace... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.192	2.89 ng	104310	Phenanthrene-d10	11.451	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethoxy-4-hydroxyphenylacetoni...	177	C10H11NO2	205748-01-2	53
2	5H-Pyrrolo(3,2-d)pyrimidine-2,4-...	149	C6H7N5	1000244-21-4	50
3	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	42
4	Silane, methyldimethoxyisopropoxy-	164	C6H16O3Si	1000416-18-2	40
5	Phenol, 4-(1,1-dimethylethyl)-2-...	164	C11H16O	000098-27-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

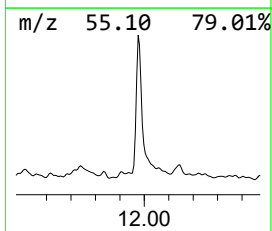
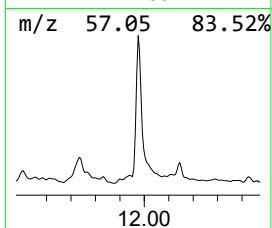
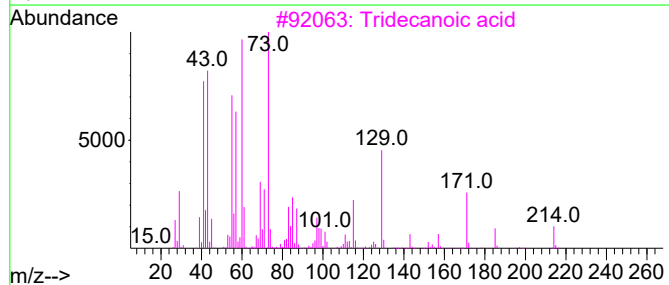
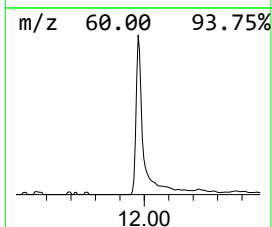
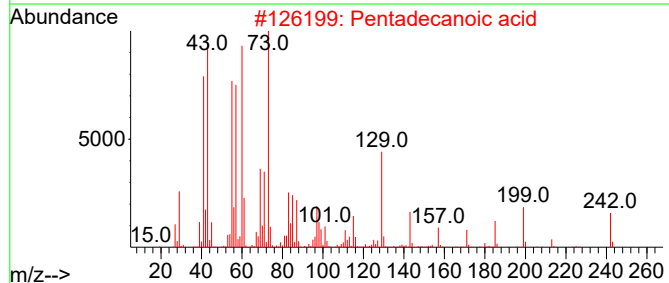
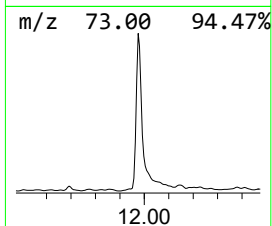
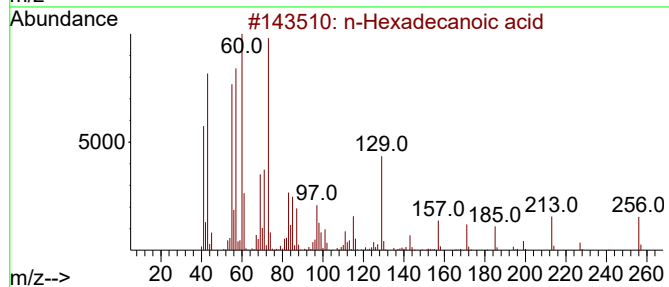
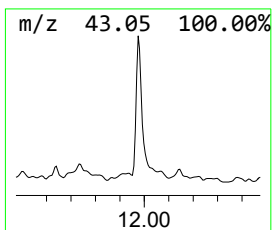
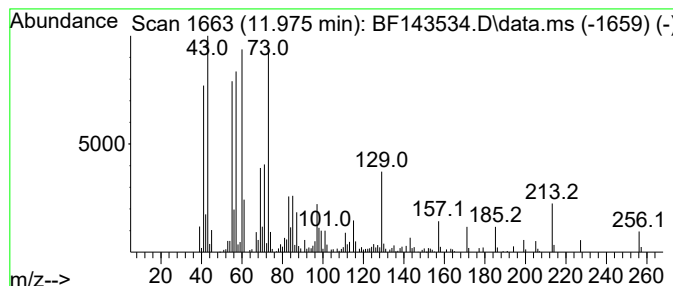
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	7.72 ng	278824	Phenanthrene-d10	11.451

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3		Tridecanoic acid	214	C13H26O2	000638-53-9	89
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5		n-Decanoic acid	172	C10H20O2	000334-48-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

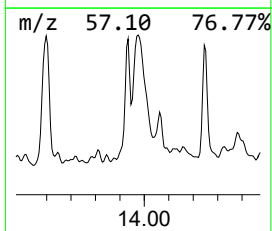
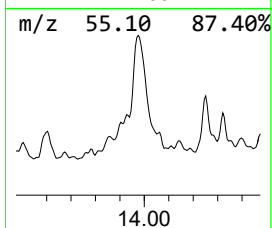
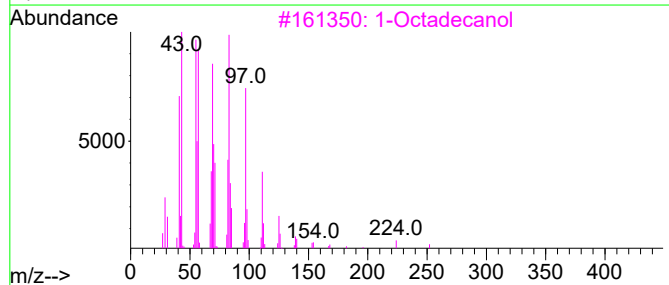
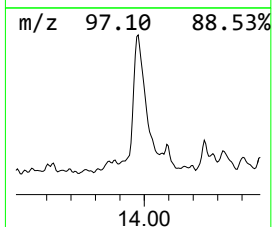
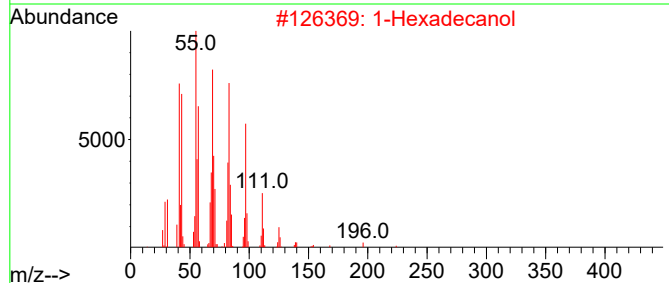
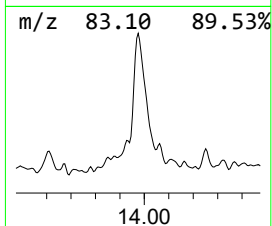
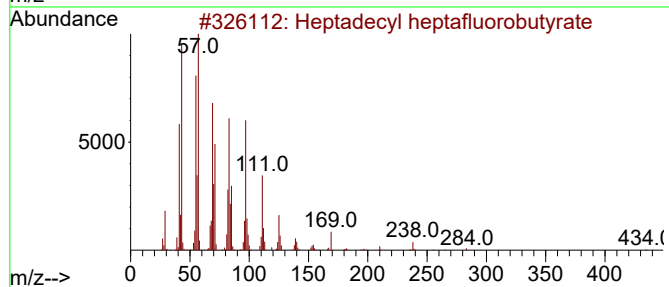
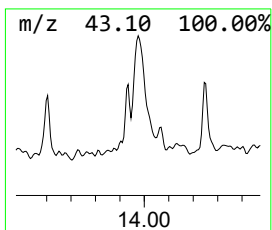
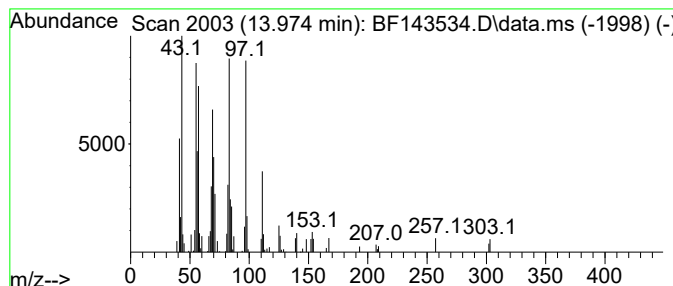
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heptadecyl heptafluorobutyrate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.975	3.64 ng	103098	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	80
2		1-Hexadecanol	242	C16H34O	036653-82-4	76
3		1-Octadecanol	270	C18H38O	000112-92-5	76
4		Cyclohexadecane	224	C16H32	000295-65-8	76
5		9-Nonadecene	266	C19H38	031035-07-1	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

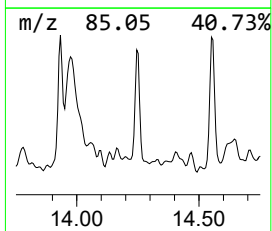
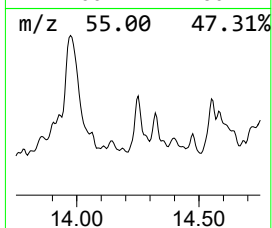
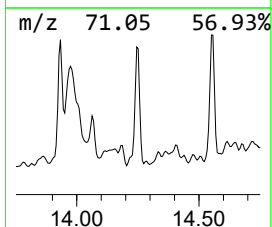
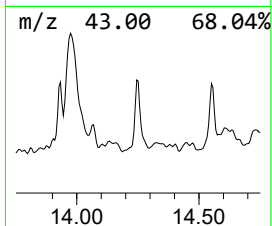
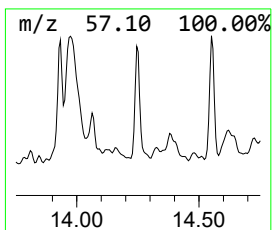
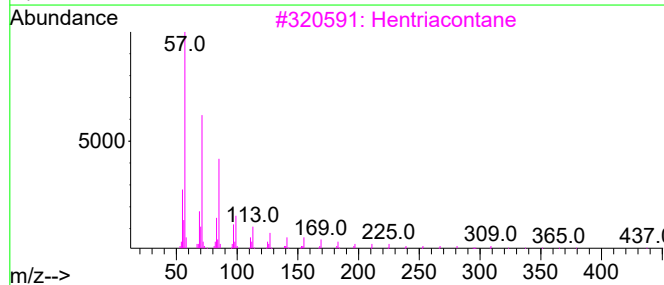
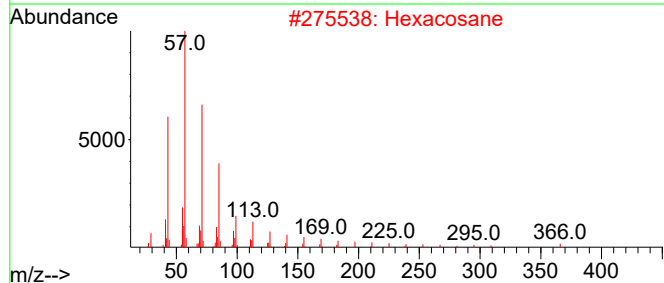
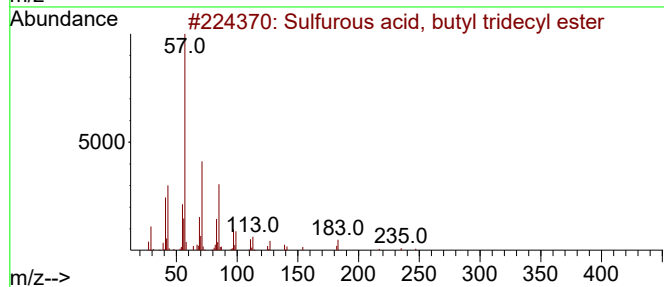
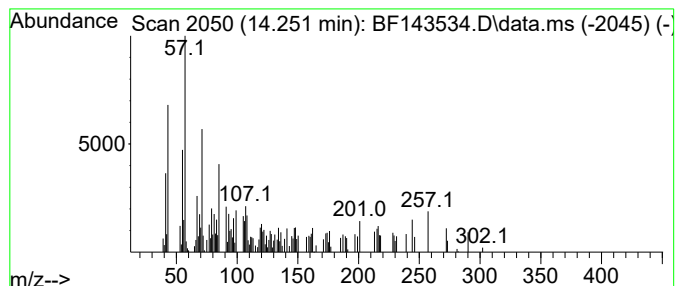
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown14.251 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.251	3.06 ng	86503	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	46
2		Hexacosane	366	C26H54	000630-01-3	46
3		Hentriacontane	437	C31H64	000630-04-6	46
4		Octacosane	394	C28H58	000630-02-4	46
5		Pentacosane	352	C25H52	000629-99-2	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

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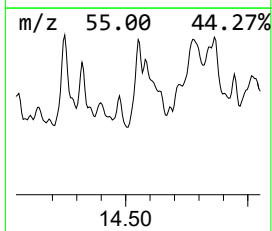
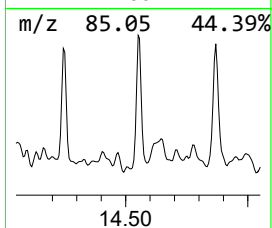
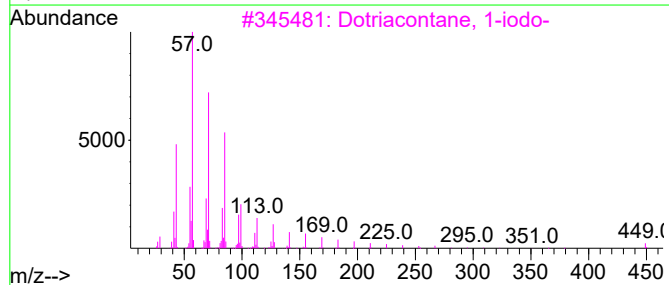
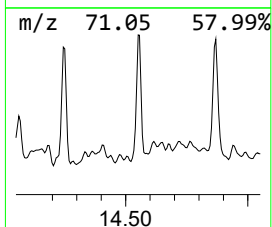
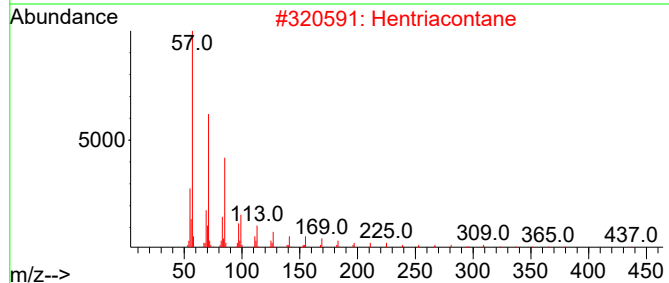
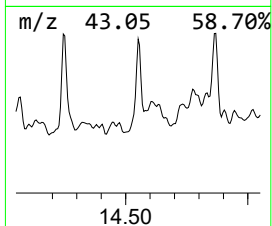
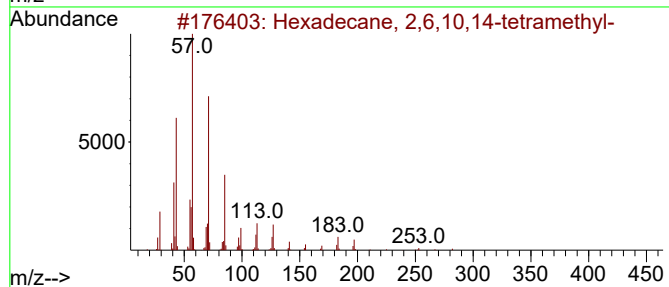
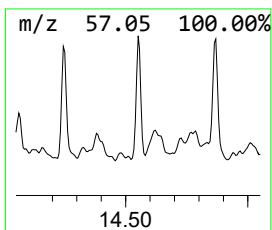
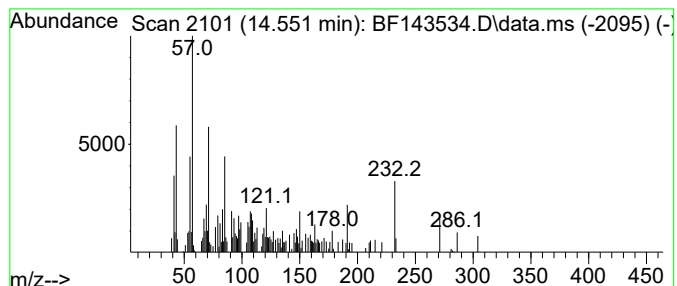
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown14.551 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.551	2.87 ng	81158	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	47
2		Hentriacontane	437	C31H64	000630-04-6	42
3		Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	38
4		Tetratetracontane	619	C44H90	007098-22-8	38
5		2-Methyltetracosane	352	C25H52	001560-78-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

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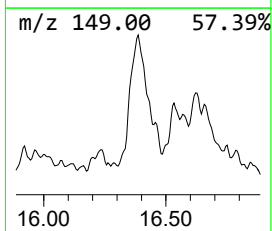
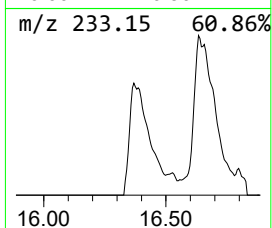
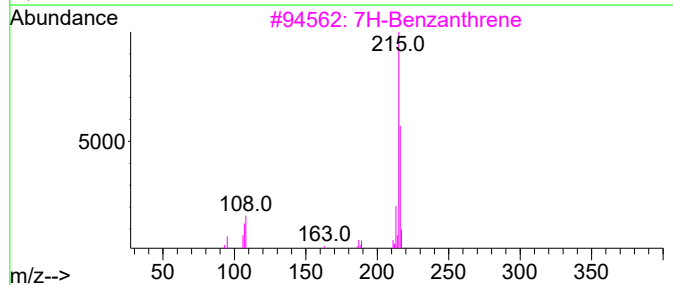
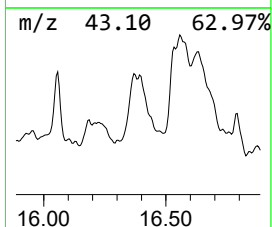
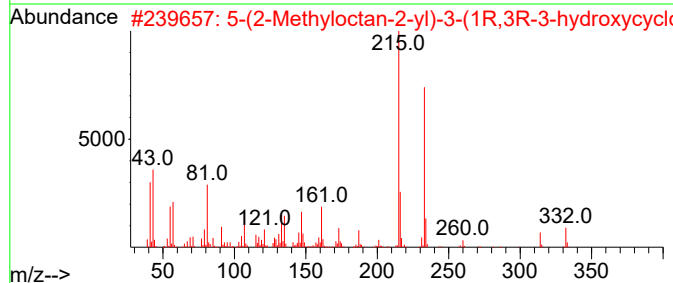
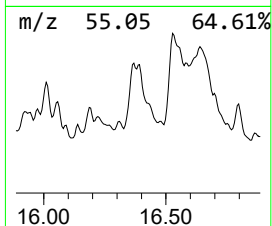
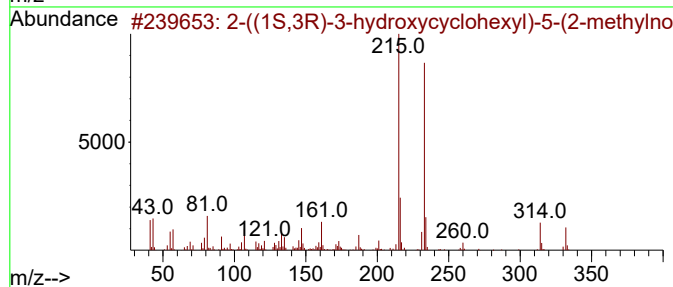
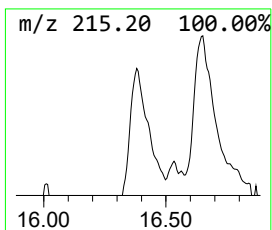
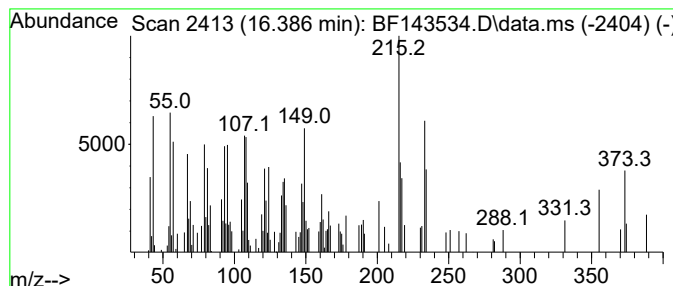
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.386 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.386	5.48 ng	182746	Perylene-d12	15.592

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-((1S,3R)-3-hydroxycyclohexyl)-...	332	C22H36O2	132296-11-8	35		
2	5-(2-Methyloctan-2-yl)-3-(1R,3R-...	332	C22H36O2	070434-92-3	35		
3	7H-Benzanthrene	216	C17H12	000199-94-0	32		
4	2-Bromo-6-fluoro-3-methylbenzoic...	232	C8H6BrFO2	1359857-60-5	27		
5	CP 47,497-C9-homolog	346	C23H38O2	070435-08-4	16		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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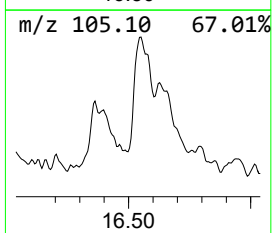
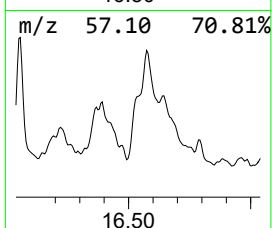
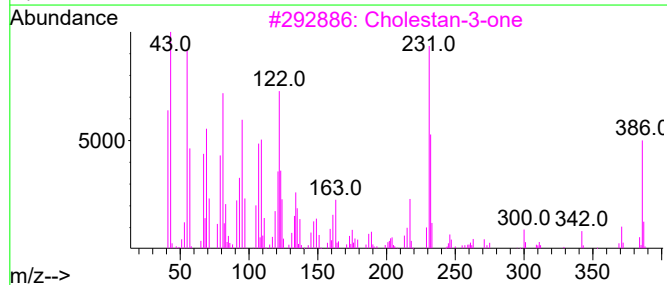
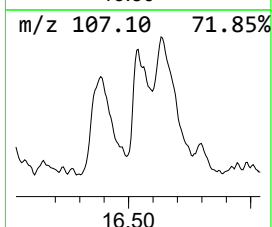
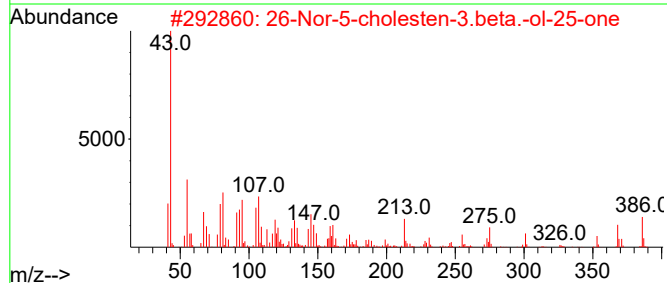
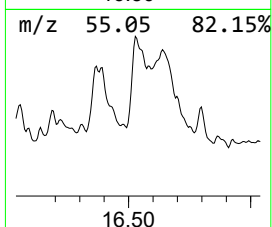
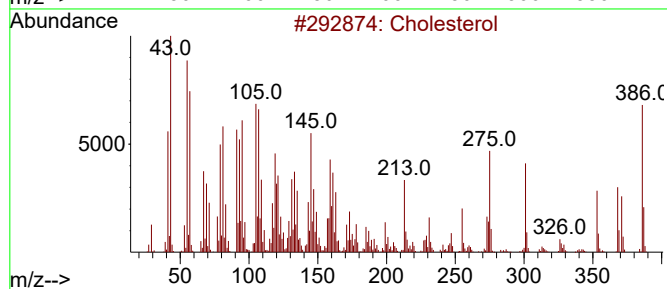
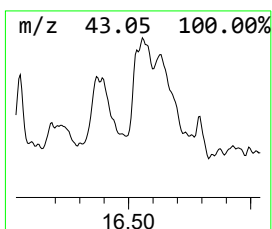
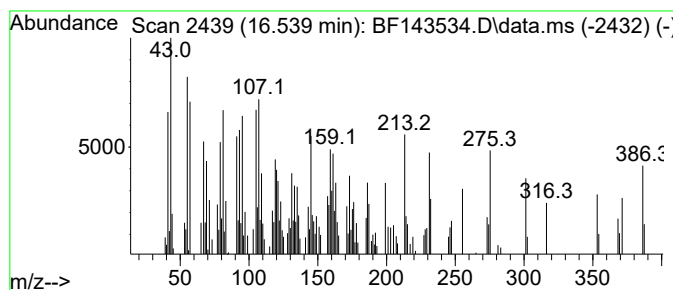
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Cholesterol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.539	7.59 ng	253248	Perylene-d12	15.592

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cholesterol	386	C27H46O	000057-88-5	97
2		26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	70
3		Cholestan-3-one	386	C27H46O	015600-08-5	55
4		Cholestan-3-one, (5.beta.)-	386	C27H46O	000601-53-6	30
5		17-(1,5-Dimethylhexyl)-10,13-dim...	386	C27H46O	1000210-50-0	11



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143534.D
Acq On : 21 Aug 2025 17:07
Operator : RC/JU
Sample : Q2814-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.287	80.5	ng	2645930	1	6.928	656941	20.0
2-Pentanone, 4-...	5.157	7.8	ng	256499	1	6.928	656941	20.0
Morpholine, 2,6...	8.322	7.7	ng	355629	2	8.204	922971	20.0
Phenol, 2-(1,1,...	10.481	6.5	ng	315841	3	9.963	969719	20.0
Ibuprofen	10.510	5.1	ng	246213	3	9.963	969719	20.0
Benzophenone	10.675	8.9	ng	431461	3	9.963	969719	20.0
unknown10.886	10.886	4.2	ng	153237	4	11.451	722774	20.0
5-(4-Trifluorme...	10.934	4.8	ng	175413	4	11.451	722774	20.0
Acetamide, N-(3...	10.969	6.4	ng	231242	4	11.451	722774	20.0
4-(7-Methylocty...	11.004	6.3	ng	225797	4	11.451	722774	20.0
unknown11.116	11.116	3.8	ng	135839	4	11.451	722774	20.0
Pentanoic acid,...	11.151	3.6	ng	130445	4	11.451	722774	20.0
3-Ethoxy-4-hydr...	11.192	2.9	ng	104310	4	11.451	722774	20.0
n-Hexadecanoic ...	11.975	7.7	ng	278824	4	11.451	722774	20.0
Heptadecyl hept...	13.975	3.6	ng	103098	5	14.092	566224	20.0
unknown14.251	14.251	3.1	ng	86503	5	14.092	566224	20.0
unknown14.551	14.551	2.9	ng	81158	5	14.092	566224	20.0
unknown16.386	16.386	5.5	ng	182746	6	15.592	667134	20.0
Cholesterol	16.539	7.6	ng	253248	6	15.592	667134	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143386.D	1	08/12/25 09:55	08/14/25 17:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143386.D	1	08/12/25 09:55	08/14/25 17:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143386.D	1	08/12/25 09:55	08/14/25 17:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	77.8		19 - 119	52%	SPK: 150
13127-88-3	Phenol-d6	57.1		10 - 130	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	105		44 - 120	105%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.8		44 - 119	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	176		43 - 140	117%	SPK: 150
1718-51-0	Terphenyl-d14	102		50 - 134	102%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	141000	6.934
1146-65-2	Naphthalene-d8	547000	8.216
15067-26-2	Acenaphthene-d10	290000	9.969
1517-22-2	Phenanthrene-d10	435000	11.457
1719-03-5	Chrysene-d12	245000	14.098
1520-96-3	Perylene-d12	277000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	100	JB	2.26	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.50	AB	5.16	ug/L
000119-61-9	Benzophenone	6.00	J	10.7	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143386.D	1	08/12/25 09:55	08/14/25 17:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143386.D
Acq On : 14 Aug 2025 17:26
Operator : RC/JU
Sample : Q2814-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-E

Quant Time: Aug 14 18:06:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	141367	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	547406	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	290207	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	435103	20.000	ng	0.00
76) Chrysene-d12	14.098	240	245198	20.000	ng	0.00
86) Perylene-d12	15.592	264	276692	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	636257	77.829	ng	0.00
7) Phenol-d6	6.557	99	598640	57.104	ng	0.00
23) Nitrobenzene-d5	7.492	82	923972	105.112	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	373419	176.067	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1605990	93.842	ng	0.00
79) Terphenyl-d14	13.039	244	1404023	102.230	ng	0.00

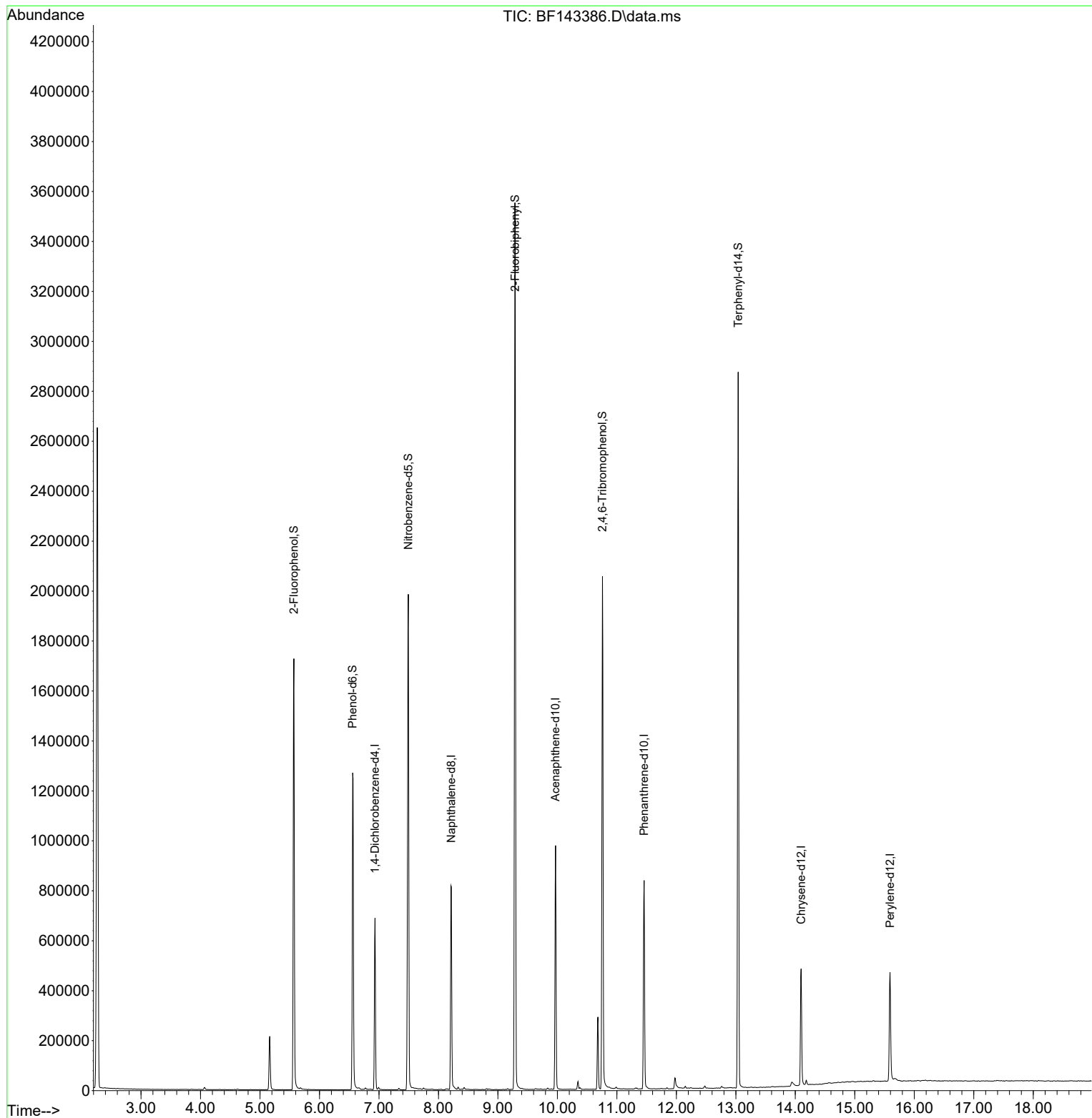
Target Compounds	Qvalue
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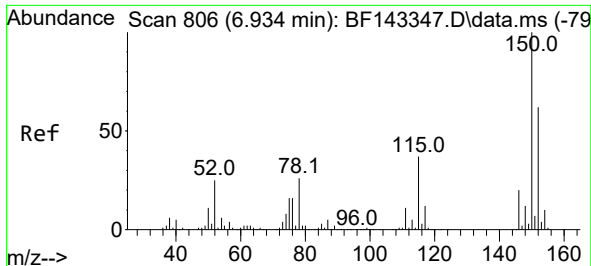
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143386.D
Acq On : 14 Aug 2025 17:26
Operator : RC/JU
Sample : Q2814-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-E

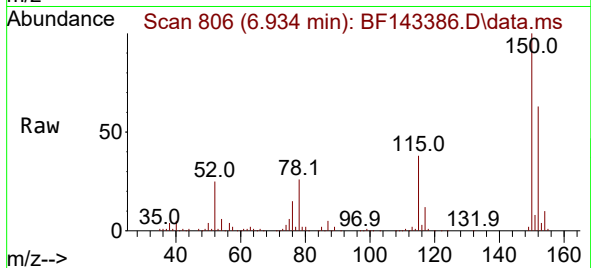
Quant Time: Aug 14 18:06:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



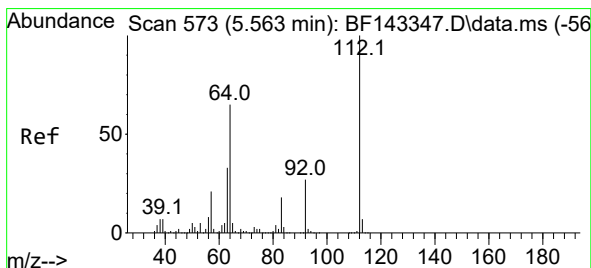
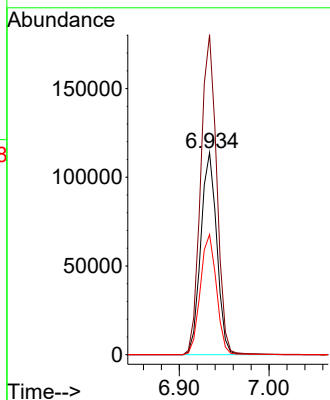
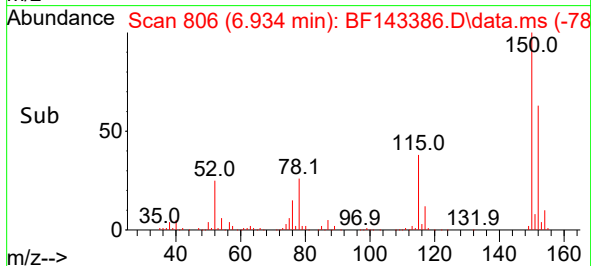


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143386.D
 Acq: 14 Aug 2025 17:26

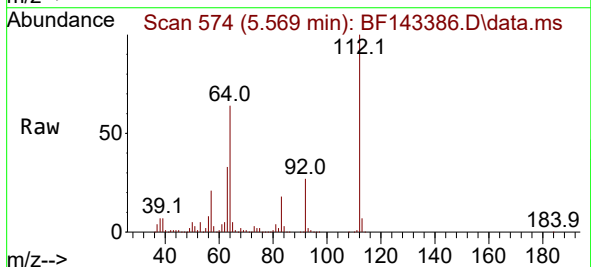
Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-E



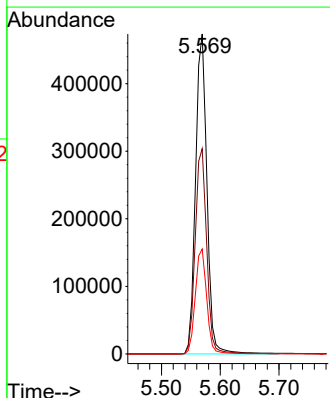
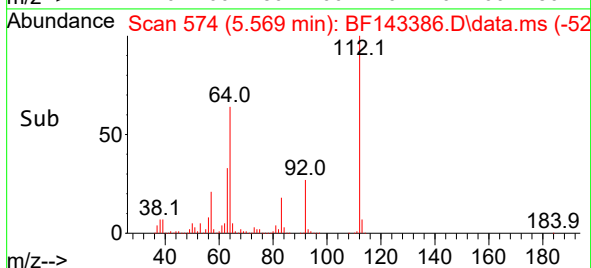
Tgt Ion:152 Resp: 141367
 Ion Ratio Lower Upper
 152 100
 150 158.3 129.8 194.8
 115 59.5 47.8 71.8

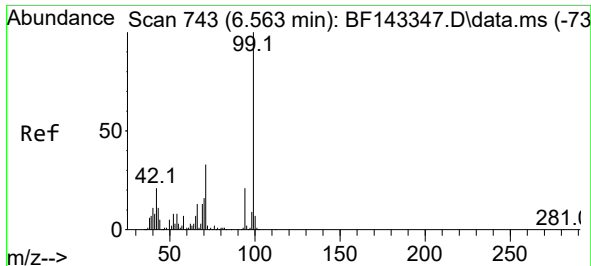


#5
 2-Fluorophenol
 Concen: 77.829 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143386.D
 Acq: 14 Aug 2025 17:26



Tgt Ion:112 Resp: 636257
 Ion Ratio Lower Upper
 112 100
 64 64.1 52.1 78.1
 63 32.8 26.6 39.8

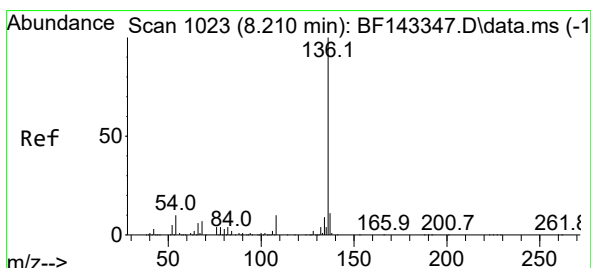
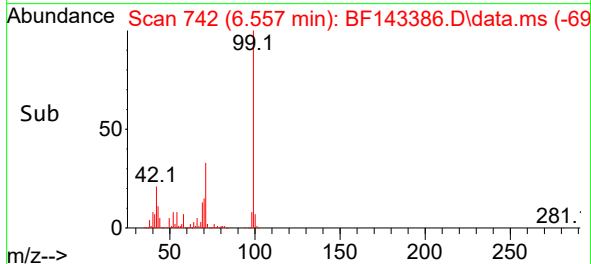
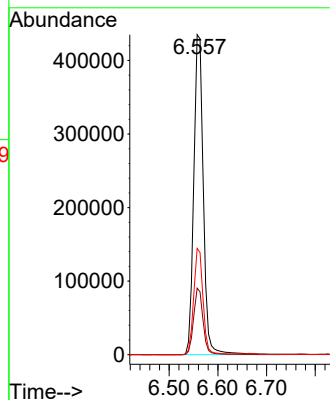
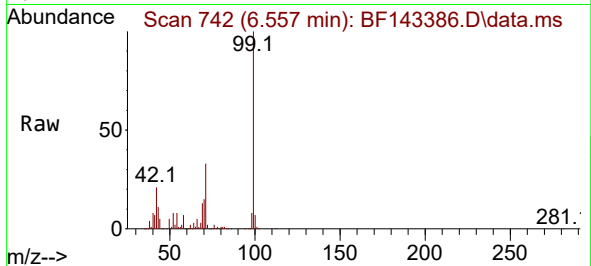




#7
Phenol-d6
Concen: 57.104 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143386.D
Acq: 14 Aug 2025 17:26

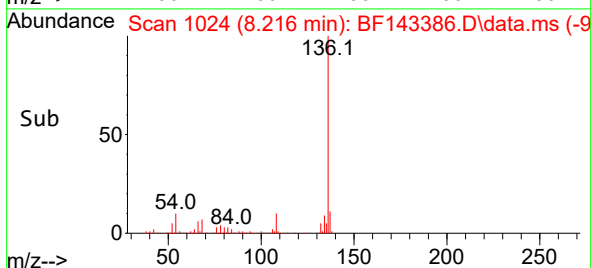
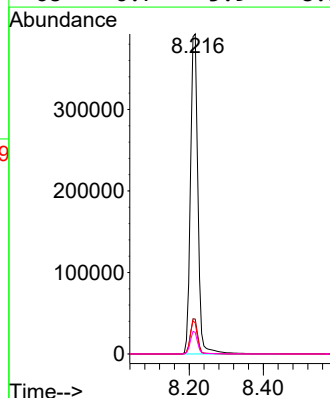
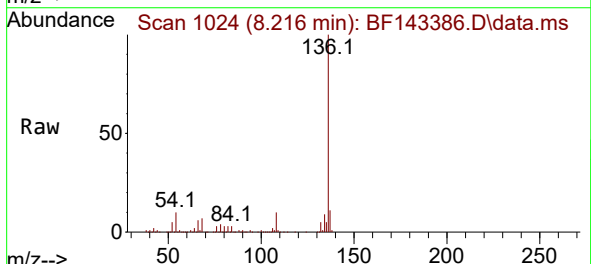
Instrument :
BNA_F
ClientSampleId :
TW-38M-E

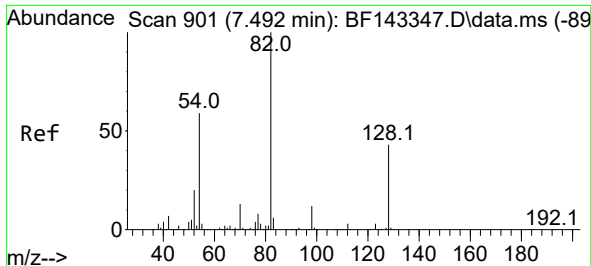
Tgt Ion: 99 Resp: 598640
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 33.2 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143386.D
Acq: 14 Aug 2025 17:26

Tgt Ion: 136 Resp: 547406
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.7 8.4 12.6
68 6.7 5.9 8.9





#23

Nitrobenzene-d5

Concen: 105.112 ng

RT: 7.492 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143386.D

Acq: 14 Aug 2025 17:26

Instrument :

BNA_F

ClientSampleId :

TW-38M-E

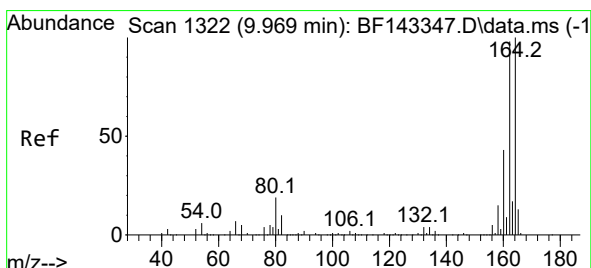
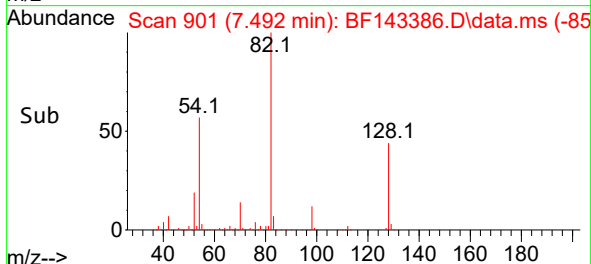
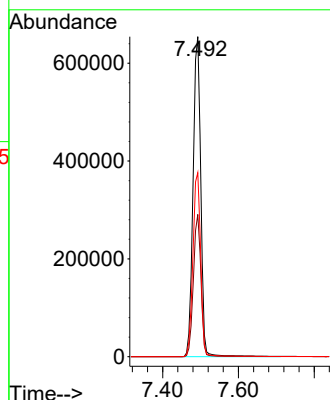
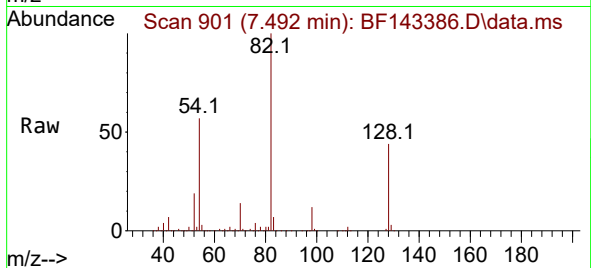
Tgt Ion: 82 Resp: 923972

Ion Ratio Lower Upper

82 100

128 44.4 33.5 50.3

54 57.5 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143386.D

Acq: 14 Aug 2025 17:26

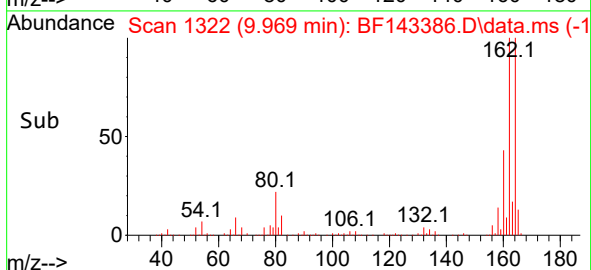
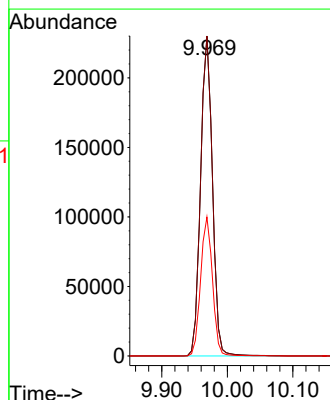
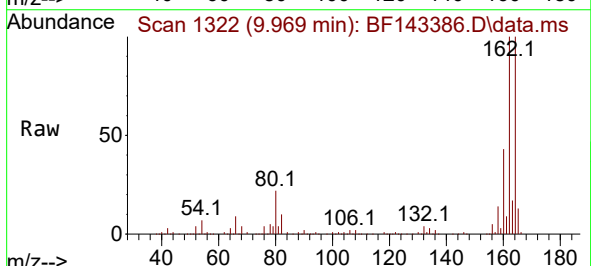
Tgt Ion: 164 Resp: 290207

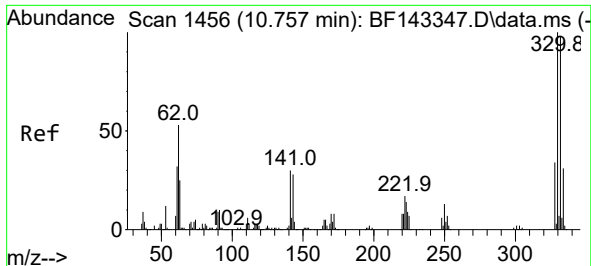
Ion Ratio Lower Upper

164 100

162 100.1 78.6 118.0

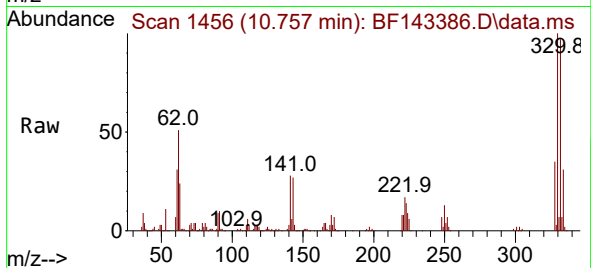
160 43.4 34.4 51.6



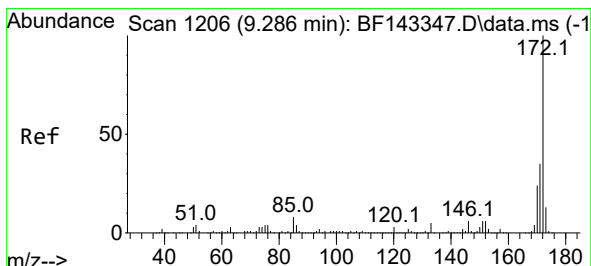
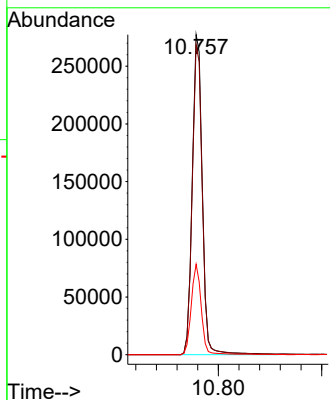
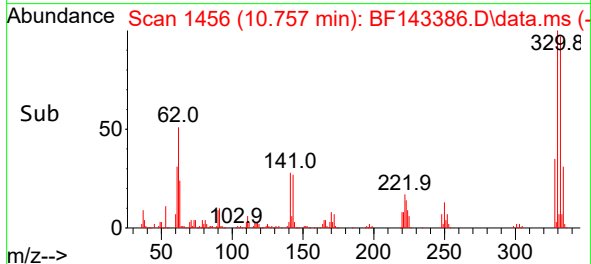


#42
2,4,6-Tribromophenol
Concen: 176.067 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143386.D
Acq: 14 Aug 2025 17:26

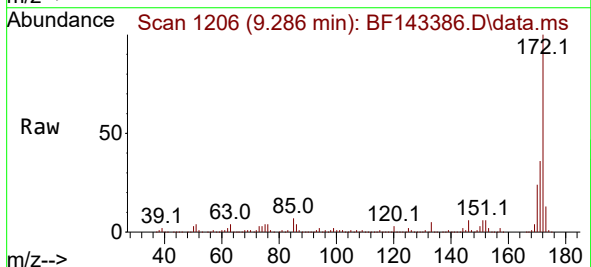
Instrument :
BNA_F
ClientSampleId :
TW-38M-E



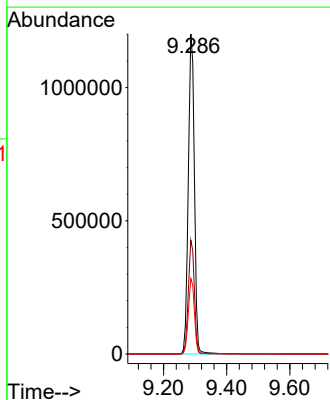
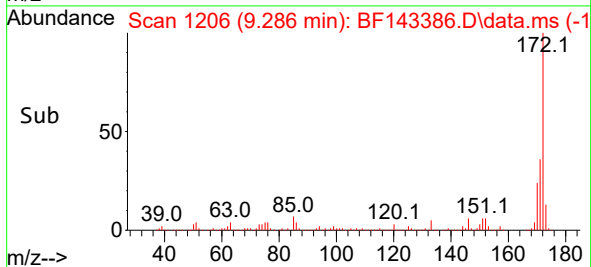
Tgt Ion:330 Resp: 373419
Ion Ratio Lower Upper
330 100
332 97.2 78.1 117.1
141 28.4 25.4 38.0

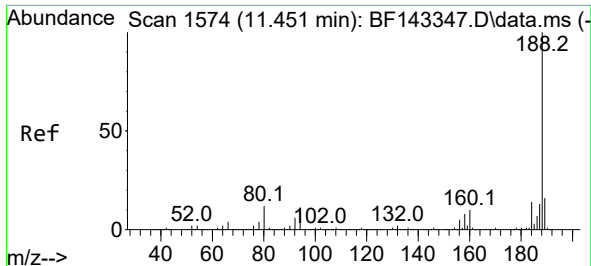


#45
2-Fluorobiphenyl
Concen: 93.842 ng
RT: 9.286 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143386.D
Acq: 14 Aug 2025 17:26



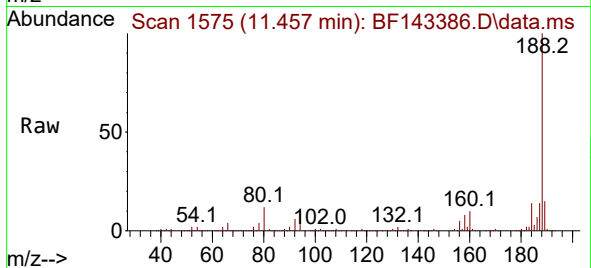
Tgt Ion:172 Resp: 1605990
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.6 19.1 28.7



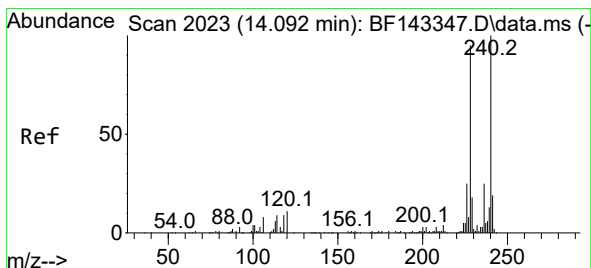
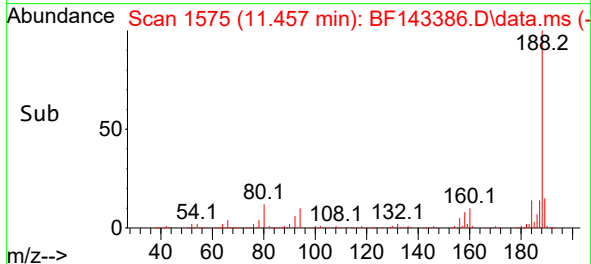
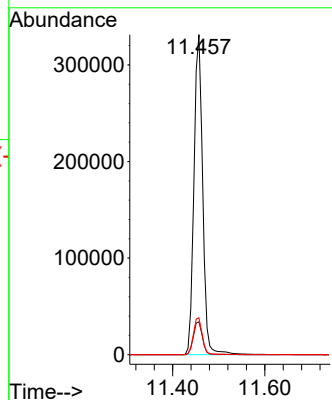


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143386.D
Acq: 14 Aug 2025 17:26

Instrument :
BNA_F
ClientSampleId :
TW-38M-E

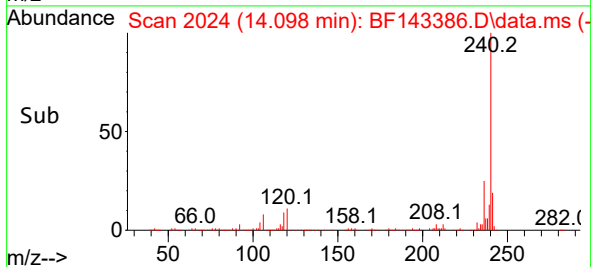
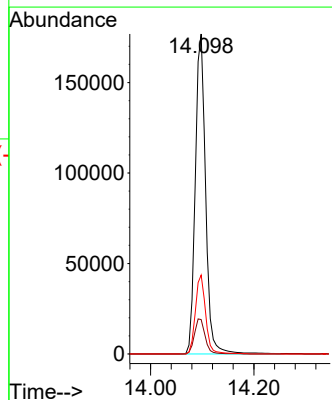
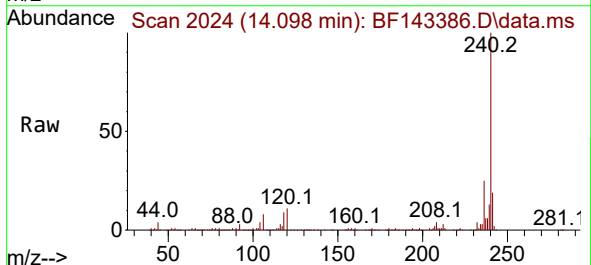


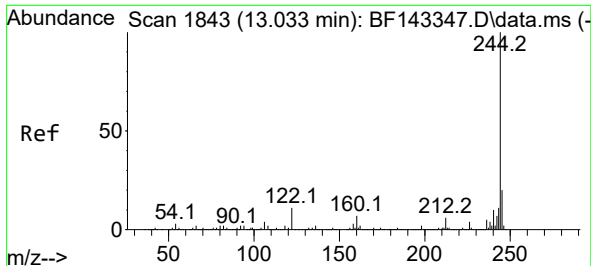
Tgt Ion:188 Resp: 435103
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 11.6 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143386.D
Acq: 14 Aug 2025 17:26

Tgt Ion:240 Resp: 245198
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 24.6 19.9 29.9

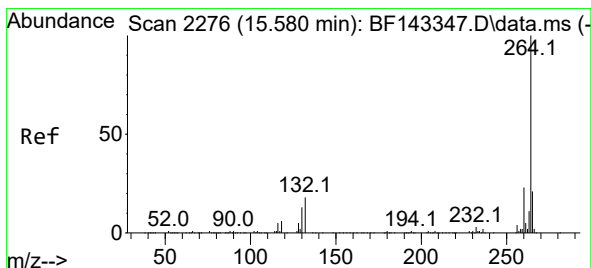
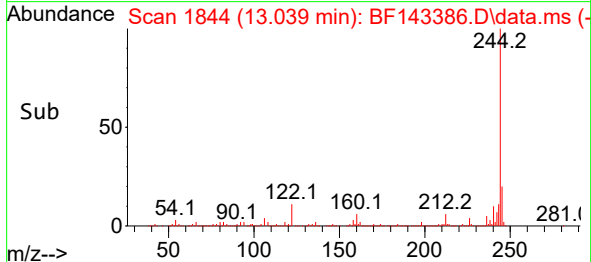
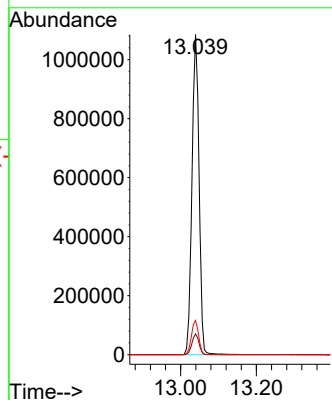
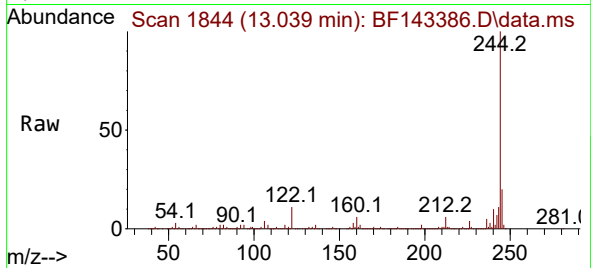




#79
Terphenyl-d14
Concen: 102.230 ng
RT: 13.039 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143386.D
Acq: 14 Aug 2025 17:26

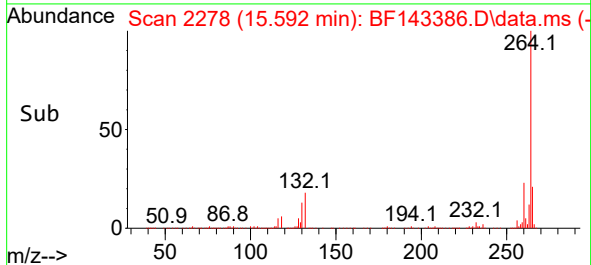
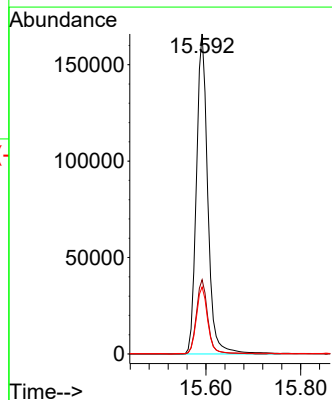
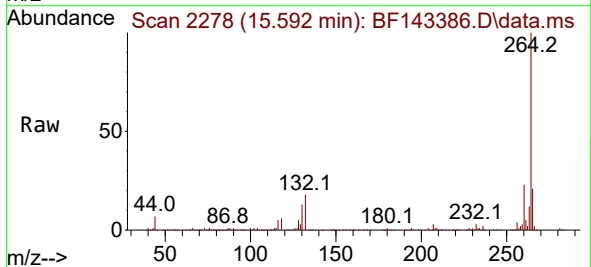
Instrument :
BNA_F
ClientSampleId :
TW-38M-E

Tgt Ion:244 Resp: 1404023
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 10.7 8.9 13.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. 0.012 min
Lab File: BF143386.D
Acq: 14 Aug 2025 17:26

Tgt Ion:264 Resp: 276692
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 20.9 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143386.D
Acq On : 14 Aug 2025 17:26
Operator : RC/JU
Sample : Q2814-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143386.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	4	12	22	rBV	2642904	4267306	90.93%	14.848%
2	5.163	497	505	524	rVB	213712	319671	6.81%	1.112%
3	5.569	568	574	590	rBV	1726084	2331207	49.67%	8.111%
4	6.557	737	742	756	rBV	1267862	1737498	37.02%	6.046%
5	6.934	801	806	813	rBV	686319	853798	18.19%	2.971%
6	7.492	894	901	913	rBV	1983608	2786097	59.37%	9.694%
7	8.210	1018	1023	1040	rBV	815536	1129809	24.07%	3.931%
8	9.286	1200	1206	1224	rBV	3549900	4692987	100.00%	16.329%
9	9.969	1316	1322	1342	rVB	976127	1234145	26.30%	4.294%
10	10.681	1438	1443	1450	rBV	289047	368788	7.86%	1.283%
11	10.757	1450	1456	1473	rBV	2051072	2739559	58.38%	9.532%
12	11.457	1569	1575	1595	rBV	834395	1096906	23.37%	3.817%
13	11.975	1659	1663	1676	rBV2	43220	89458	1.91%	0.311%
14	13.039	1838	1844	1849	rBV	2866338	3685987	78.54%	12.825%
15	13.945	1992	1998	2014	rBV5	16023	53054	1.13%	0.185%
16	14.098	2018	2024	2035	rVV	465199	642319	13.69%	2.235%
17	15.592	2272	2278	2287	rBV	433593	711306	15.16%	2.475%

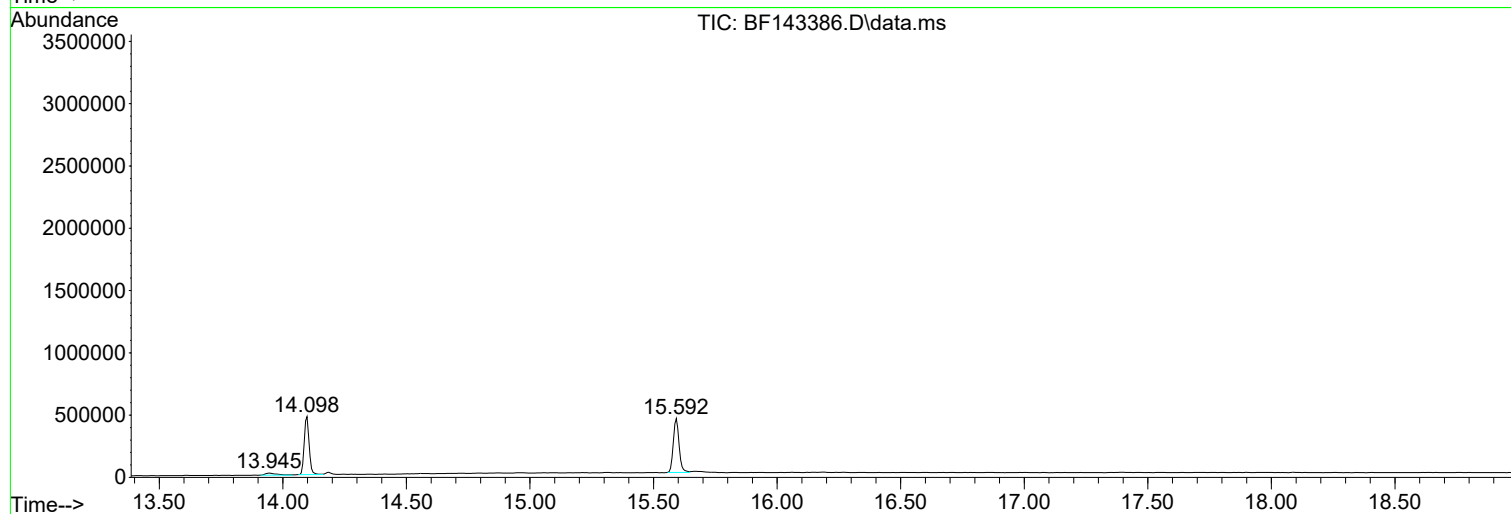
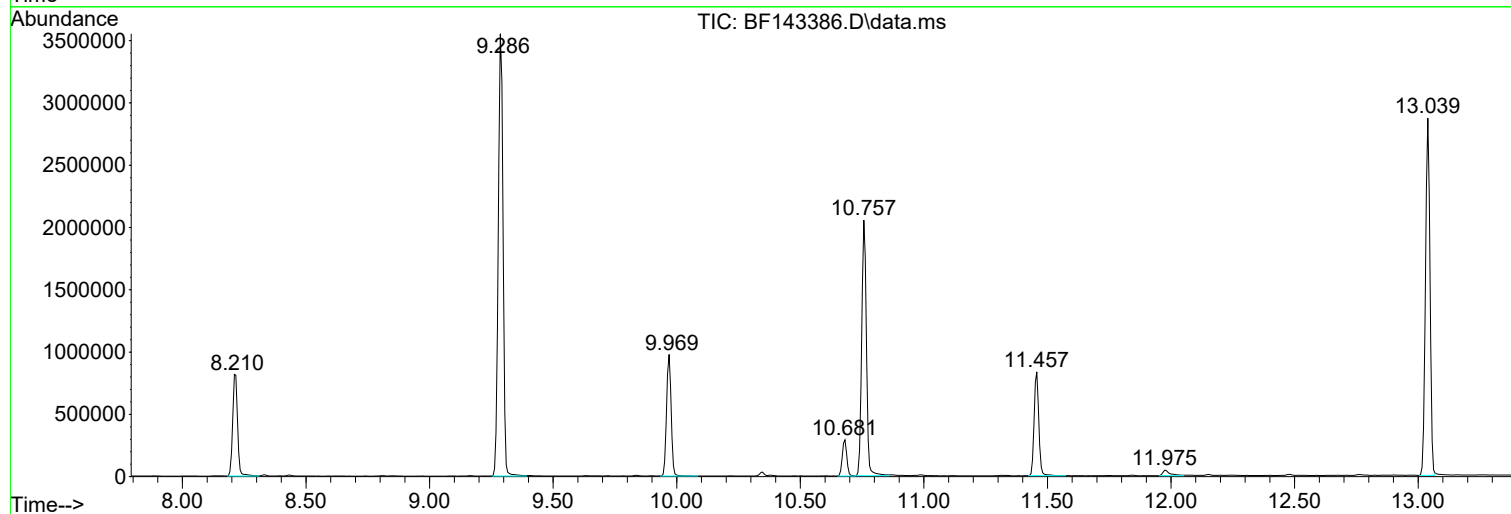
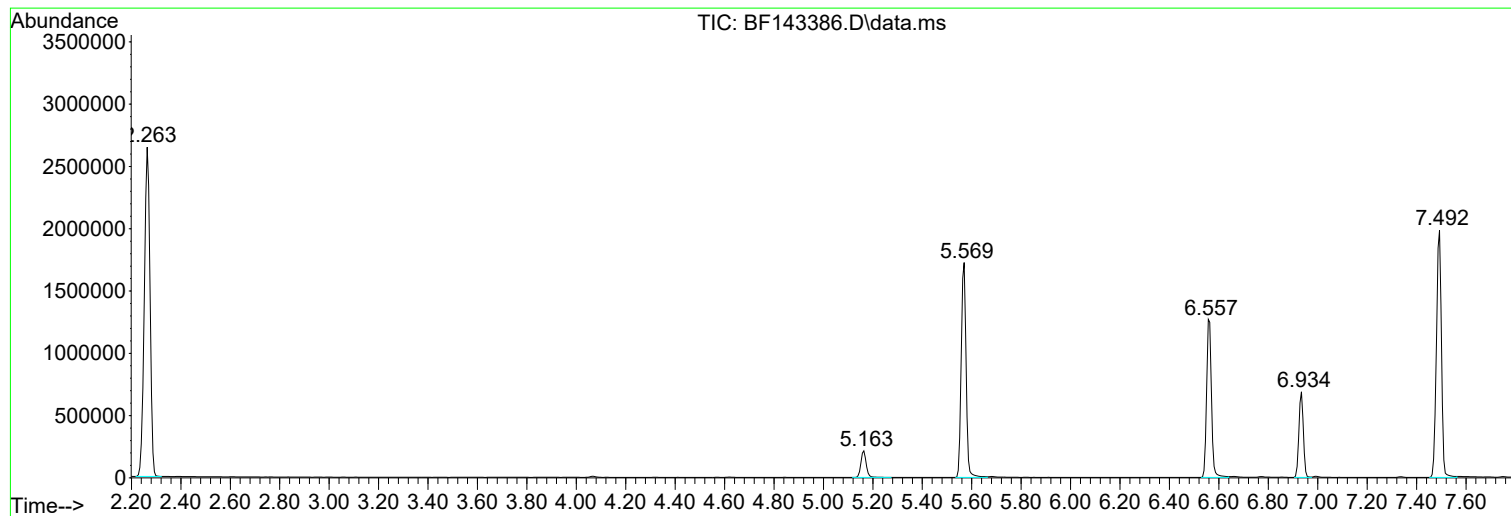
Sum of corrected areas: 28739895

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143386.D
Acq On : 14 Aug 2025 17:26
Operator : RC/JU
Sample : Q2814-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143386.D
Acq On : 14 Aug 2025 17:26
Operator : RC/JU
Sample : Q2814-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-E

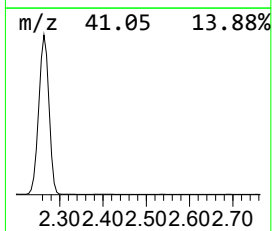
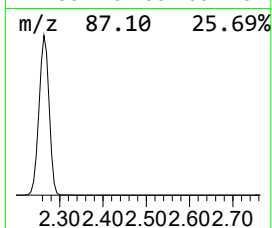
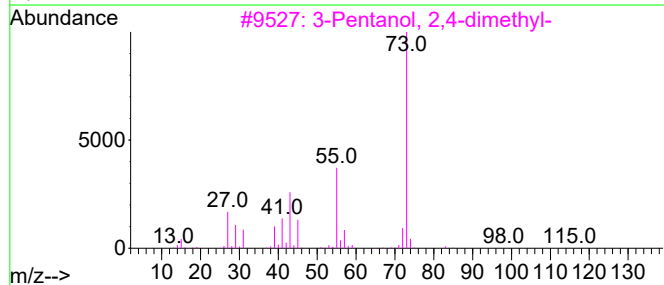
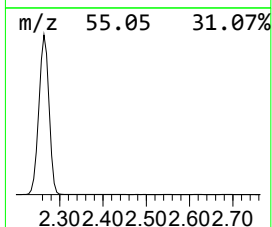
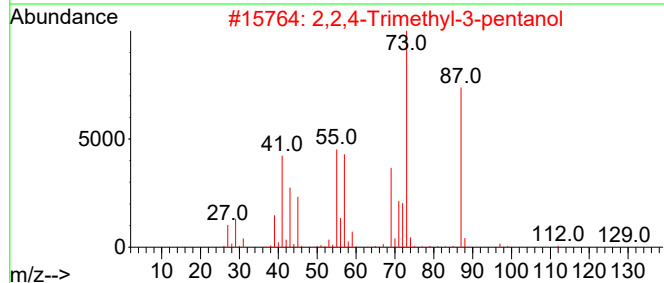
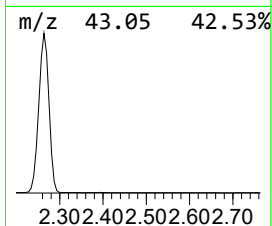
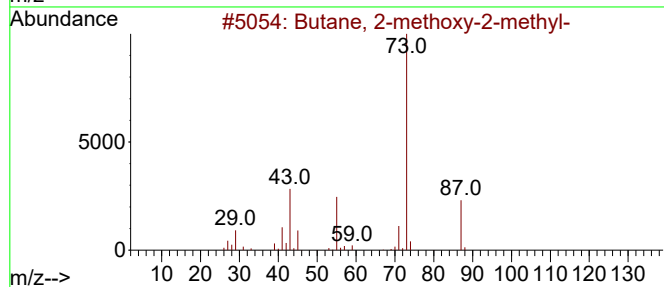
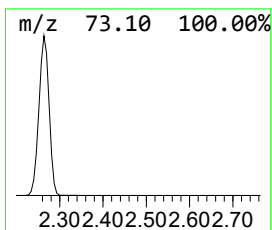
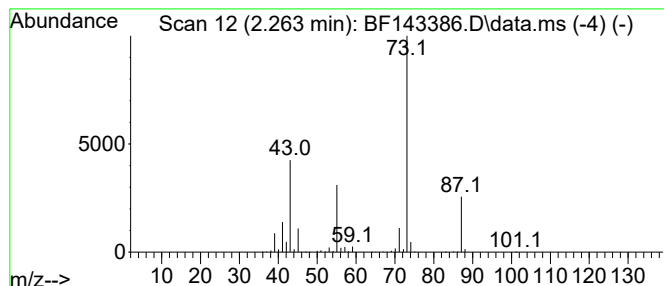
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	99.96 ng	4267310	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143386.D
Acq On : 14 Aug 2025 17:26
Operator : RC/JU
Sample : Q2814-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

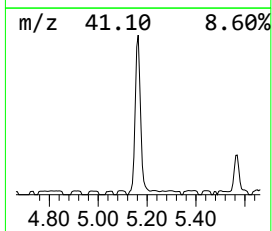
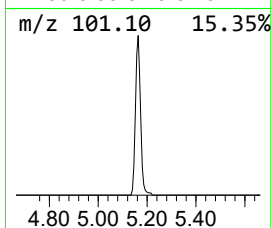
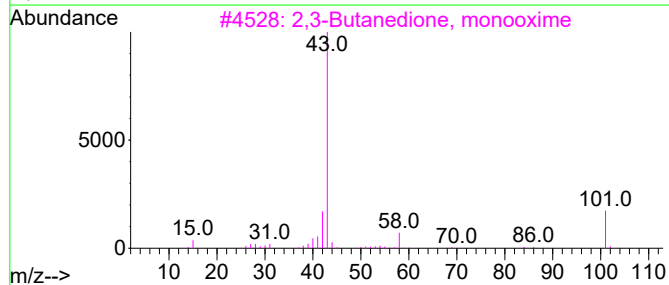
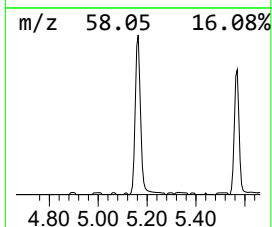
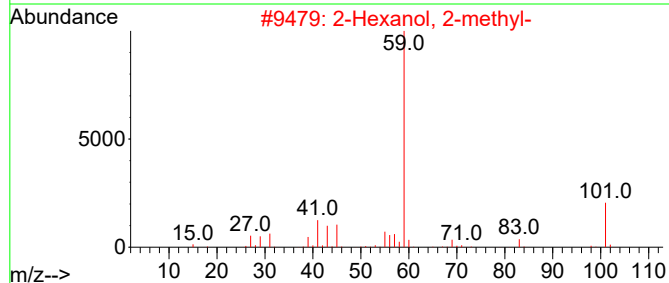
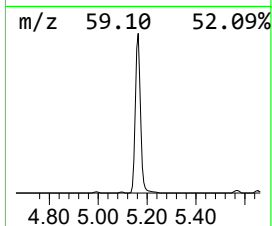
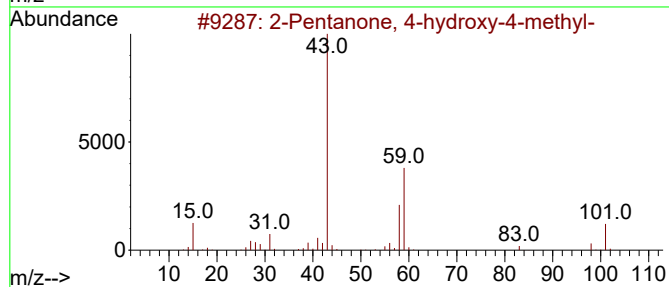
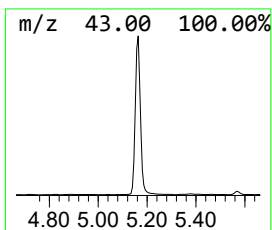
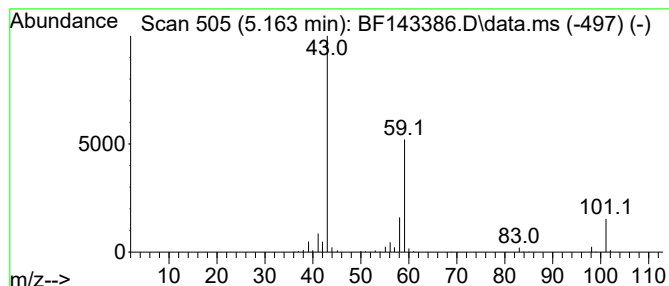
Instrument :
BNA_F
ClientSampleId :
TW-38M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.163	7.49 ng	319671	1,4-Dichlorobenzene-d4			6.934
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25	
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16	
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12	
5	Acetone	58	C3H6O	000067-64-1	9	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143386.D
Acq On : 14 Aug 2025 17:26
Operator : RC/JU
Sample : Q2814-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-E

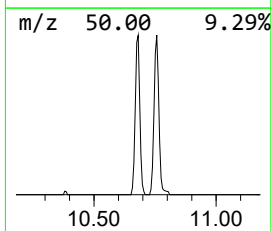
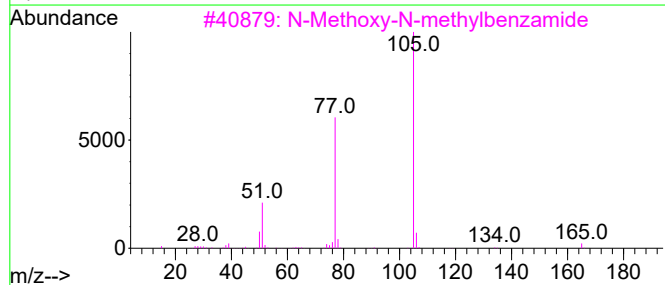
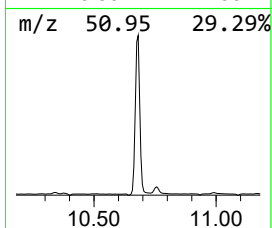
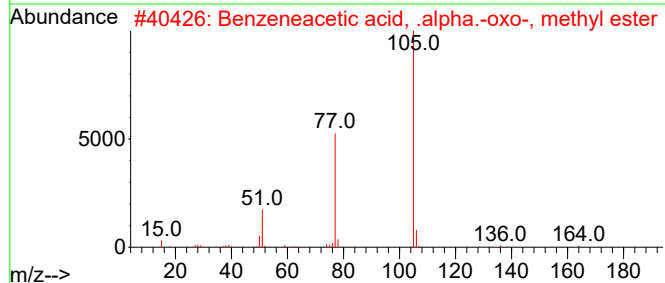
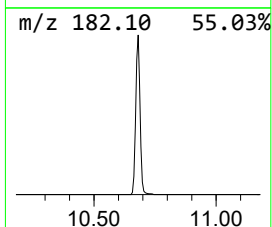
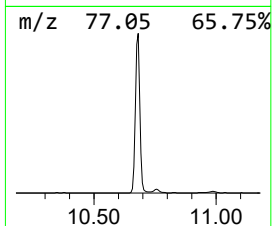
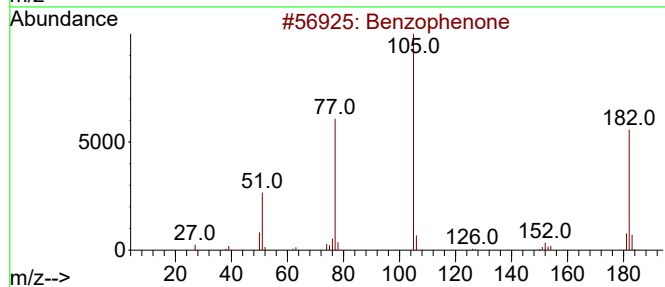
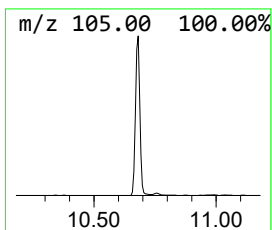
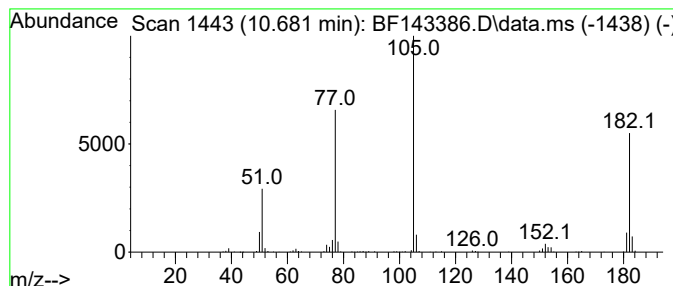
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	5.98 ng	368788	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
3			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
4			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
5			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143386.D
Acq On : 14 Aug 2025 17:26
Operator : RC/JU
Sample : Q2814-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.263	100.0	ng	4267310	1	6.934	853798	20.0
2-Pentanone, 4-...	5.163	7.5	ng	319671	1	6.934	853798	20.0
Benzophenone	10.681	6.0	ng	368788	3	9.969	1234150	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-09	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143387.D	1	08/12/25 09:55	08/14/25 17:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-09	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143387.D	1	08/12/25 09:55	08/14/25 17:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-09	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143387.D	1	08/12/25 09:55	08/14/25 17:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	61.3		19 - 119		41%	SPK: 150
13127-88-3	Phenol-d6	47.0		10 - 130		31%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.3		44 - 120		79%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		44 - 119		74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		43 - 140		88%	SPK: 150
1718-51-0	Terphenyl-d14	82.1		50 - 134		82%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	148000	6.934
1146-65-2	Naphthalene-d8	566000	8.216
15067-26-2	Acenaphthene-d10	302000	9.969
1517-22-2	Phenanthrene-d10	462000	11.457
1719-03-5	Chrysene-d12	251000	14.098
1520-96-3	Perylene-d12	284000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	80.6	JB		2.26	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.90	AB		5.16	ug/L
000119-61-9	Benzophenone	9.90	J		10.7	ug/L
000057-10-3	n-Hexadecanoic acid	4.10	J		12.0	ug/L
110225-00-8	1-Dodecanol, 2-hexyl-	4.20	J		13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-09	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143387.D	1	08/12/25 09:55	08/14/25 17:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

Quant Time: Aug 14 18:20:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	147629	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	565548	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	301521	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	461596	20.000	ng	0.00
76) Chrysene-d12	14.098	240	251187	20.000	ng	0.00
86) Perylene-d12	15.592	264	284292	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	523626	61.335	ng	0.00
7) Phenol-d6	6.557	99	514533	46.999	ng	0.00
23) Nitrobenzene-d5	7.487	82	720581	79.345	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	291749	132.398	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1317083	74.073	ng	0.00
79) Terphenyl-d14	13.039	244	1155749	82.146	ng	0.00

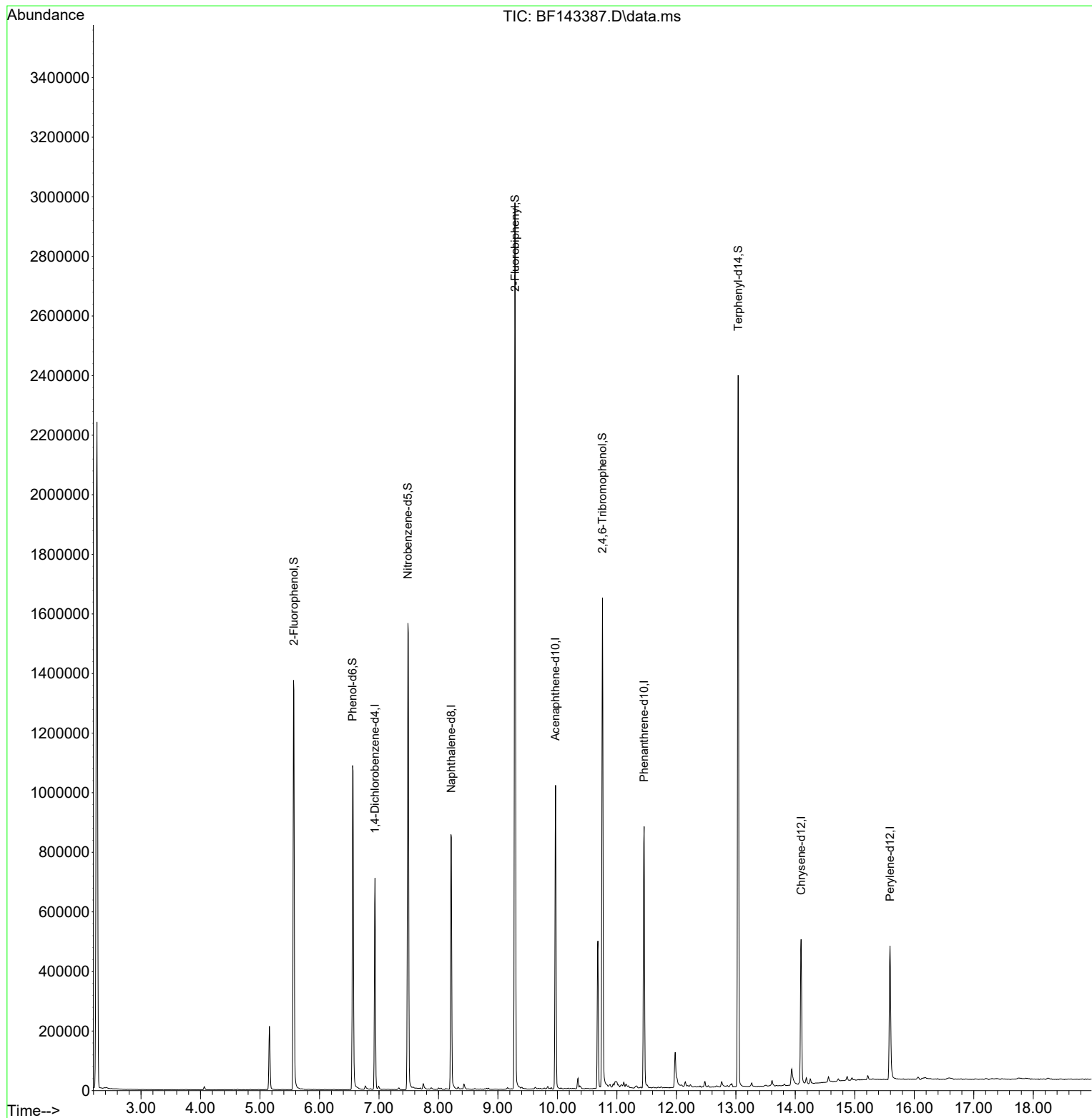
Target Compounds	Qvalue
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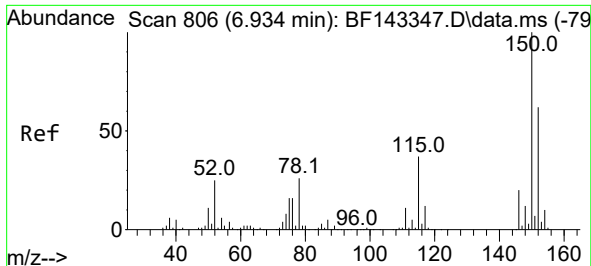
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

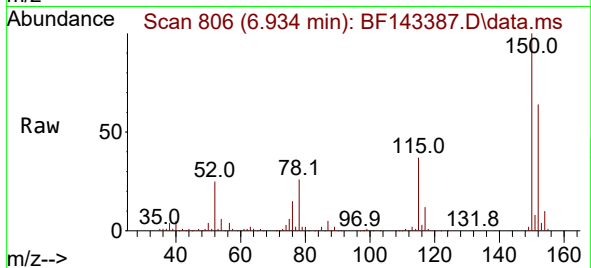
Quant Time: Aug 14 18:20:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



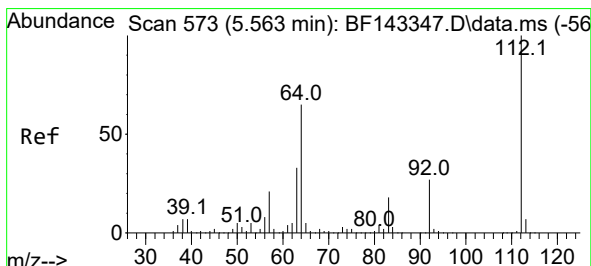
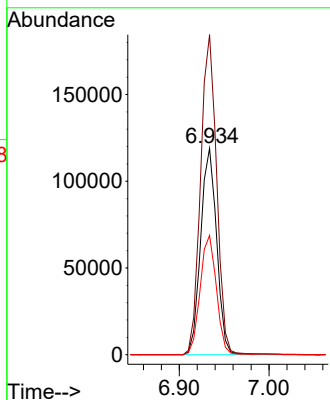
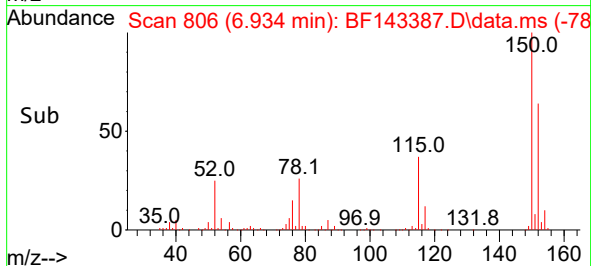


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

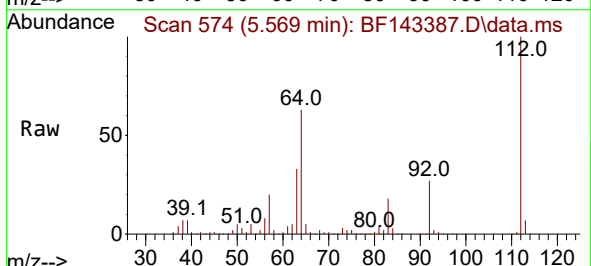
Instrument :
BNA_F
ClientSampleId :
TW-38M-W



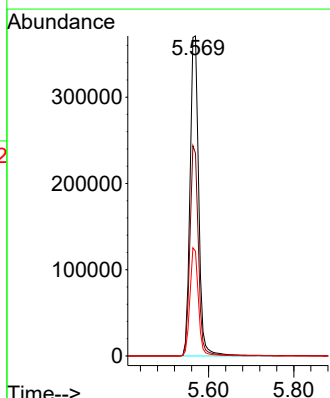
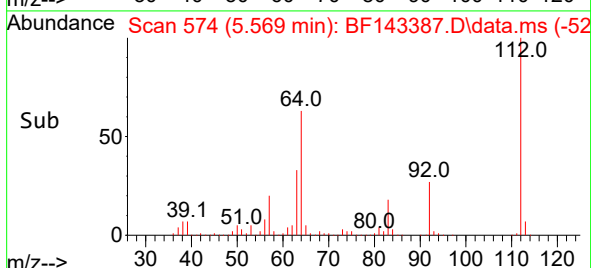
Tgt Ion:152 Resp: 147629
Ion Ratio Lower Upper
152 100
150 155.1 129.8 194.8
115 57.9 47.8 71.8

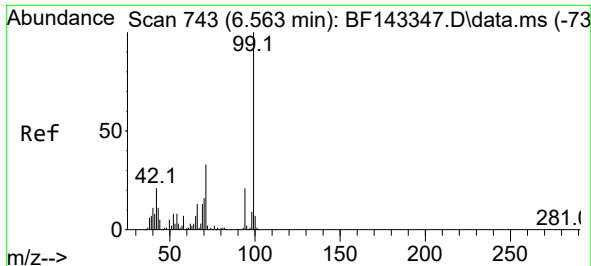


#5
2-Fluorophenol
Concen: 61.335 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56



Tgt Ion:112 Resp: 523626
Ion Ratio Lower Upper
112 100
64 63.4 52.1 78.1
63 32.7 26.6 39.8

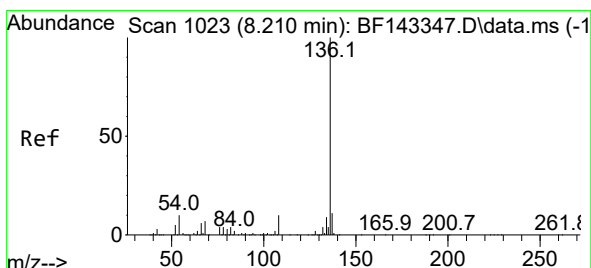
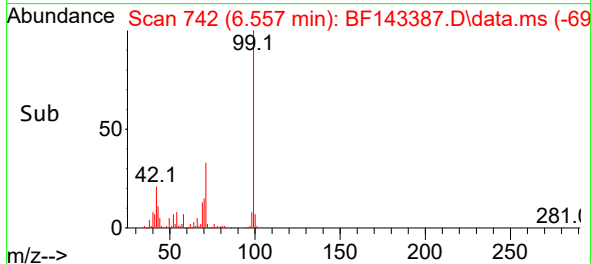
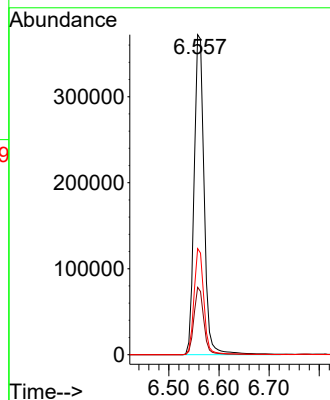
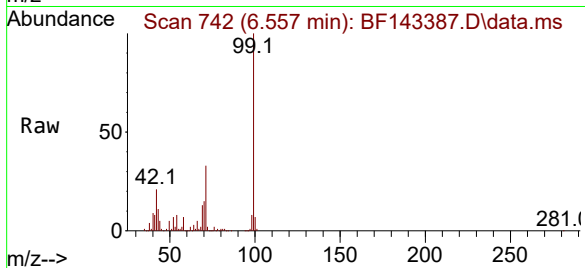




#7
Phenol-d6
Concen: 46.999 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

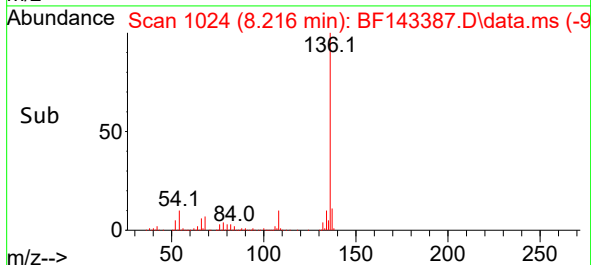
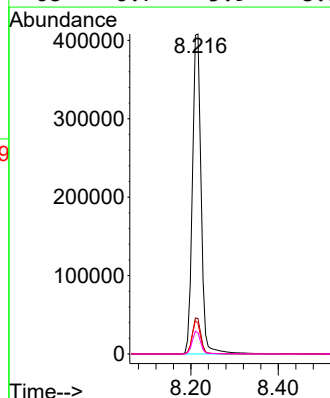
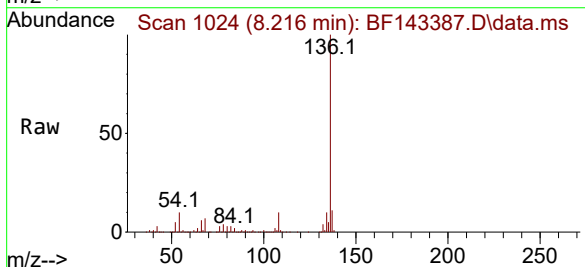
Instrument :
BNA_F
ClientSampleId :
TW-38M-W

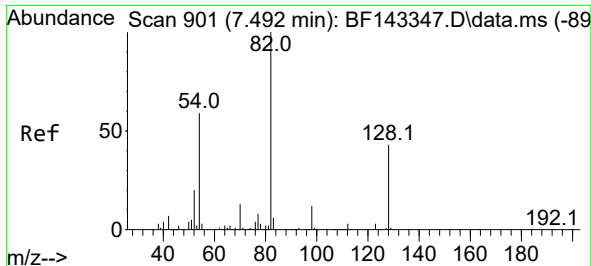
Tgt Ion: 99 Resp: 514533
Ion Ratio Lower Upper
99 100
42 21.0 16.6 25.0
71 33.2 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

Tgt Ion: 136 Resp: 565548
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.6 8.4 12.6
68 6.7 5.9 8.9





#23

Nitrobenzene-d5

Concen: 79.345 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143387.D

Acq: 14 Aug 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TW-38M-W

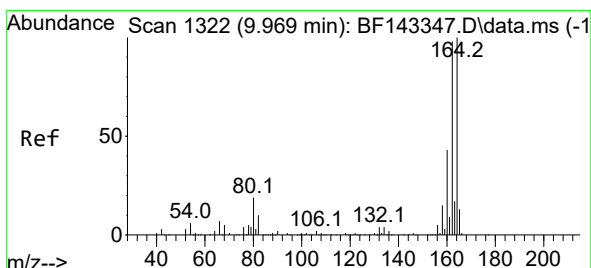
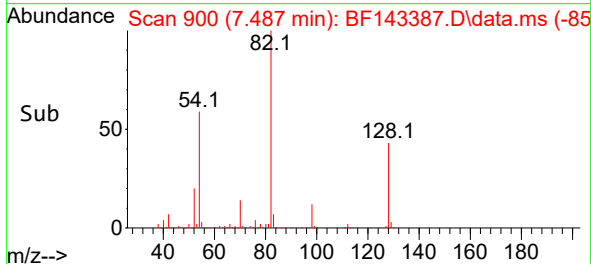
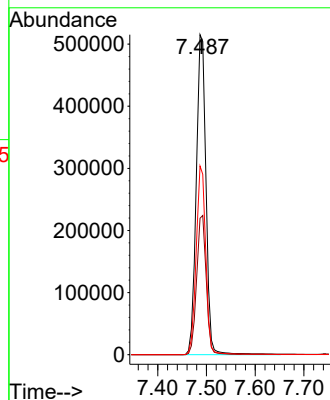
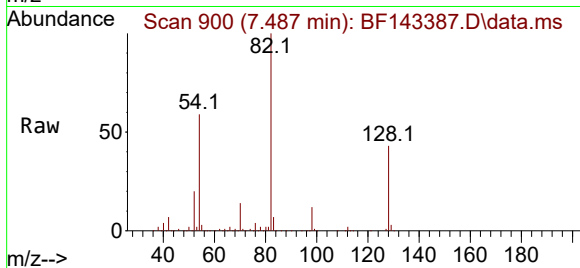
Tgt Ion: 82 Resp: 720581

Ion Ratio Lower Upper

82 100

128 42.6 33.5 50.3

54 59.0 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143387.D

Acq: 14 Aug 2025 17:56

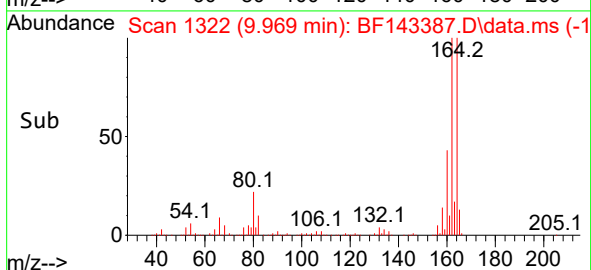
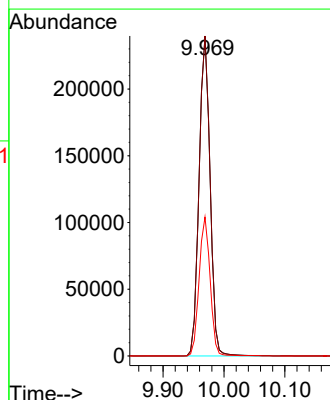
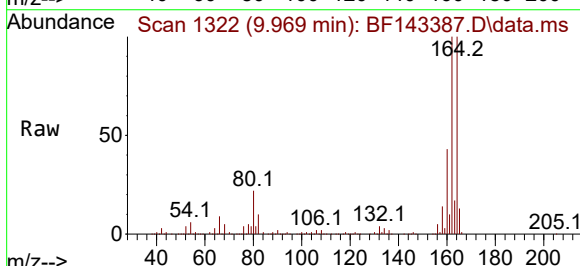
Tgt Ion: 164 Resp: 301521

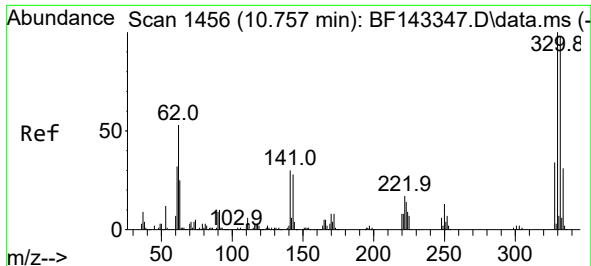
Ion Ratio Lower Upper

164 100

162 100.0 78.6 118.0

160 43.4 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 132.398 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF143387.D

Acq: 14 Aug 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TW-38M-W

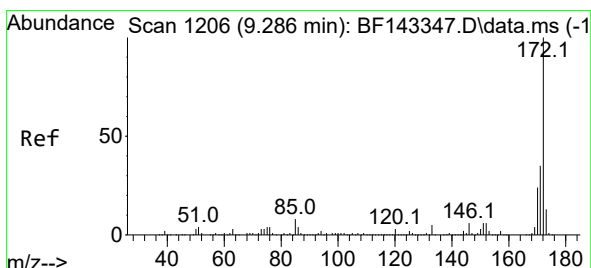
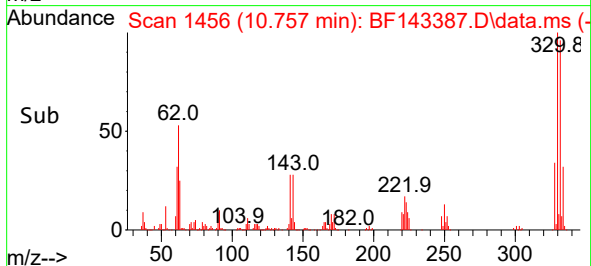
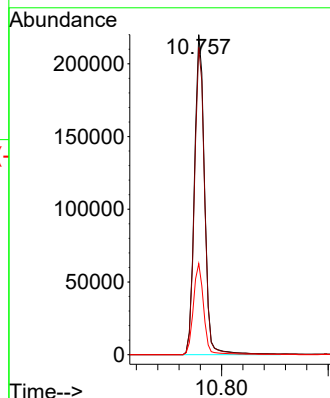
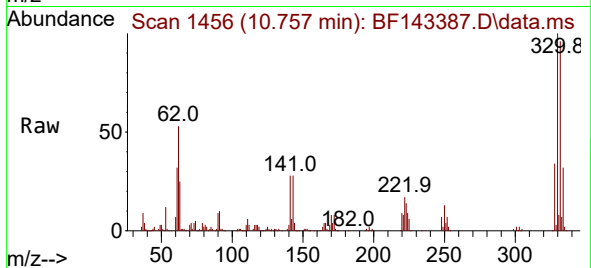
Tgt Ion:330 Resp: 291749

Ion Ratio Lower Upper

330 100

332 96.2 78.1 117.1

141 29.3 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 74.073 ng

RT: 9.286 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143387.D

Acq: 14 Aug 2025 17:56

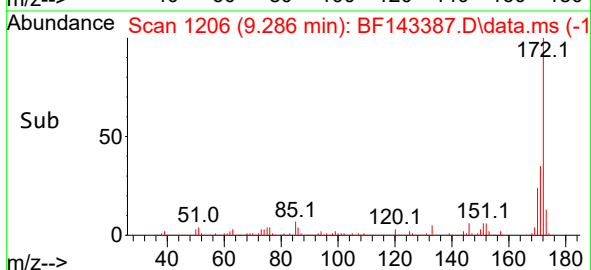
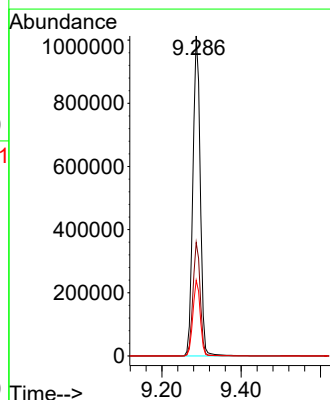
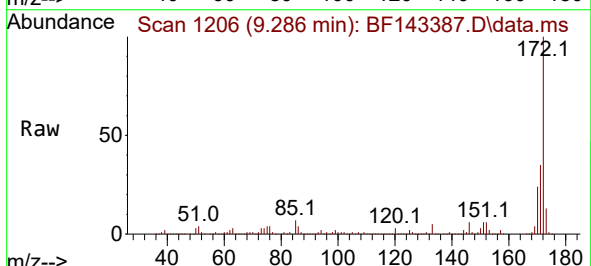
Tgt Ion:172 Resp: 1317083

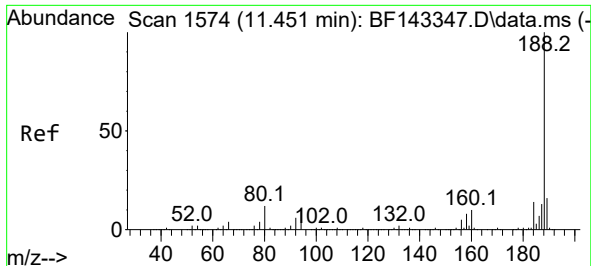
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.7 19.1 28.7

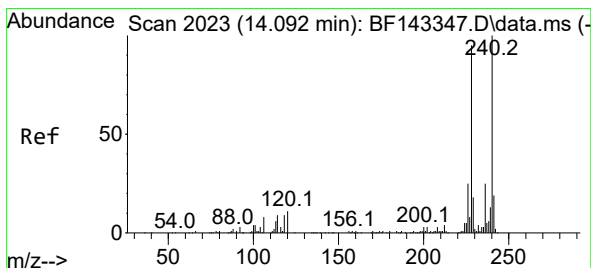
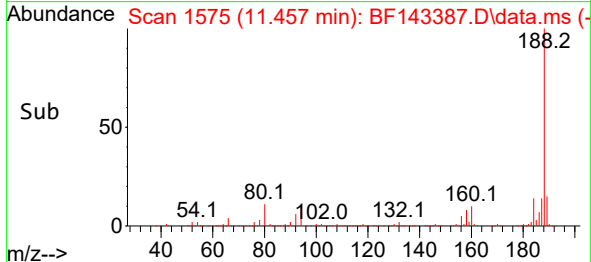
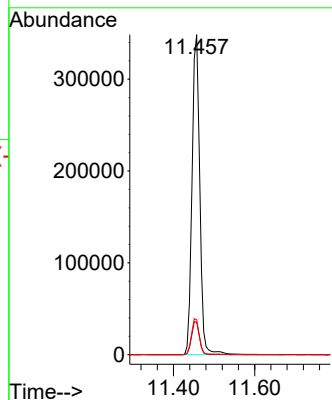
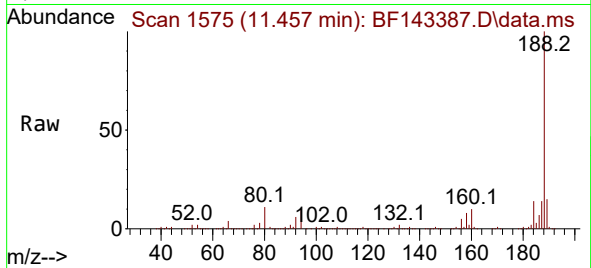




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

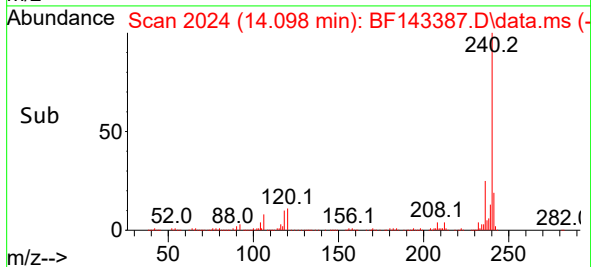
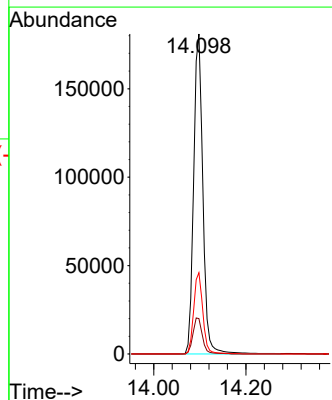
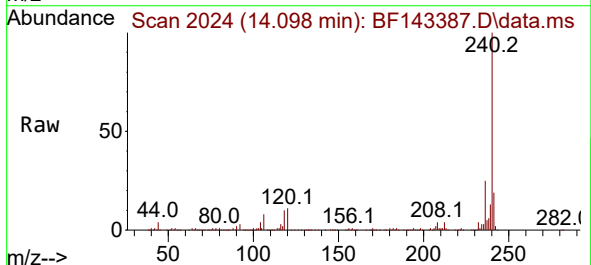
Instrument :
BNA_F
ClientSampleId :
TW-38M-W

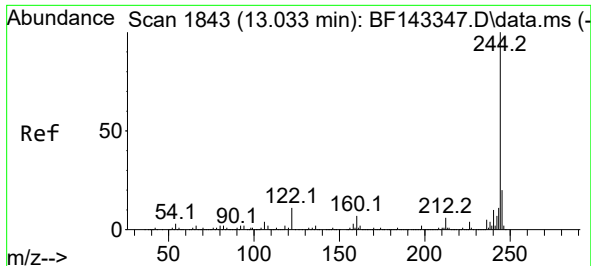
Tgt Ion:188 Resp: 461596
Ion Ratio Lower Upper
188 100
94 10.2 8.8 13.2
80 10.9 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

Tgt Ion:240 Resp: 251187
Ion Ratio Lower Upper
240 100
120 11.0 9.0 13.6
236 25.4 19.9 29.9

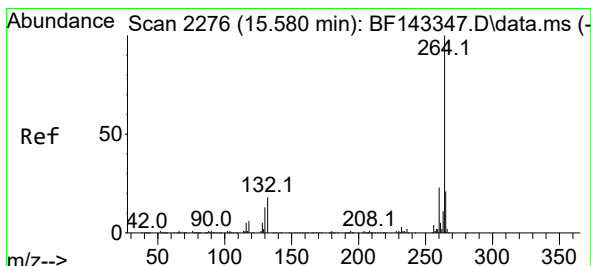
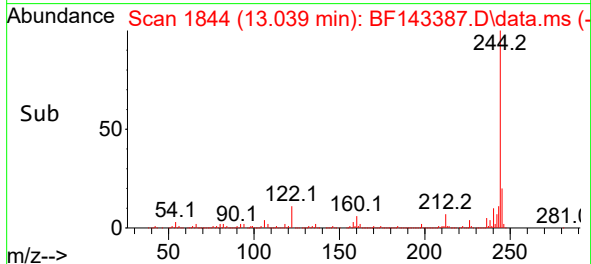
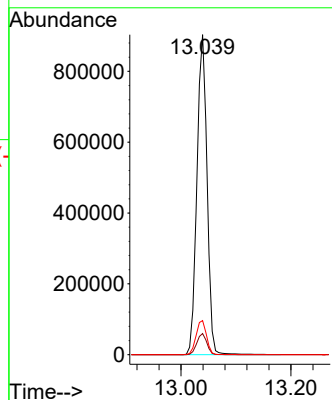
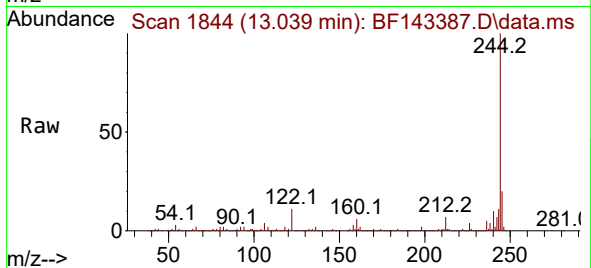




#79
 Terphenyl-d14
 Concen: 82.146 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143387.D
 Acq: 14 Aug 2025 17:56

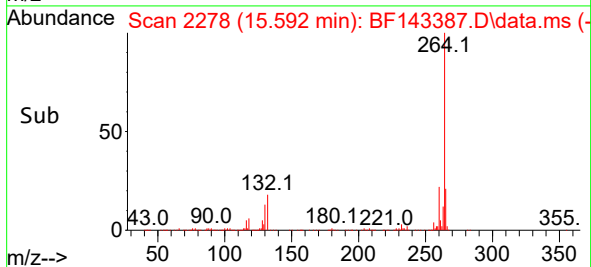
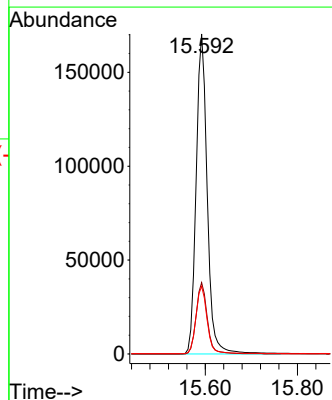
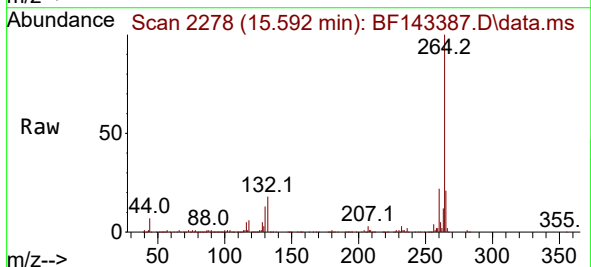
Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-W

Tgt Ion:244 Resp: 1155749
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 10.7 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143387.D
 Acq: 14 Aug 2025 17:56

Tgt Ion:264 Resp: 284292
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.7 28.1
 265 21.2 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143387.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.258	3	11	28	rVB	2236010	3568089	93.13%	13.950%
2	5.157	497	504	524	rBV	212991	304943	7.96%	1.192%
3	5.563	568	573	593	rBV	1374778	1907894	49.80%	7.459%
4	6.557	737	742	767	rBV	1087663	1531884	39.98%	5.989%
5	6.934	801	806	813	rBV	709385	884972	23.10%	3.460%
6	7.487	894	900	912	rBV	1565380	2181658	56.94%	8.530%
7	8.210	1018	1023	1040	rBV	854768	1175864	30.69%	4.597%
8	9.286	1200	1206	1218	rBV	2974404	3831457	100.00%	14.980%
9	9.969	1316	1322	1334	rBV	1019429	1289445	33.65%	5.041%
10	10.345	1381	1386	1389	rBV	35346	45559	1.19%	0.178%
11	10.681	1437	1443	1450	rBV	495155	640906	16.73%	2.506%
12	10.757	1450	1456	1472	rVV	1642058	2180105	56.90%	8.524%
13	11.457	1569	1575	1582	rBV	877534	1156559	30.19%	4.522%
14	11.980	1659	1664	1678	rBV2	117977	237696	6.20%	0.929%
15	13.039	1838	1844	1849	rBV	2387420	3048836	79.57%	11.920%
16	13.939	1991	1997	2015	rBV	54245	143148	3.74%	0.560%
17	14.098	2016	2024	2034	rVV	486506	682841	17.82%	2.670%
18	15.592	2272	2278	2291	rBV	448605	765012	19.97%	2.991%

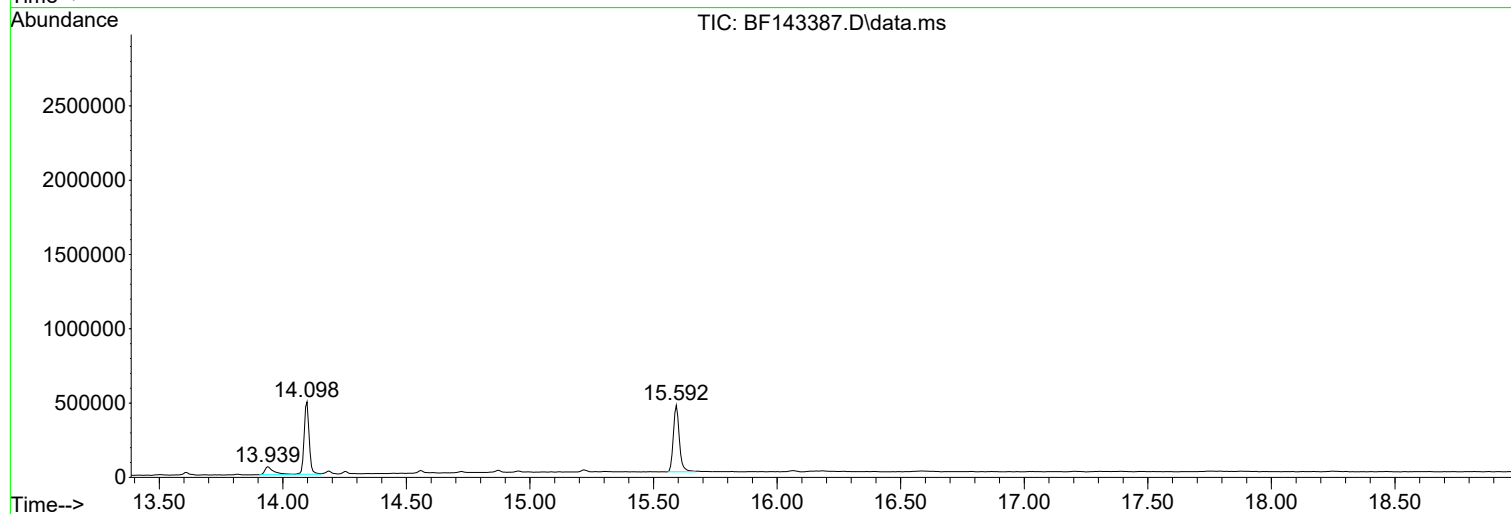
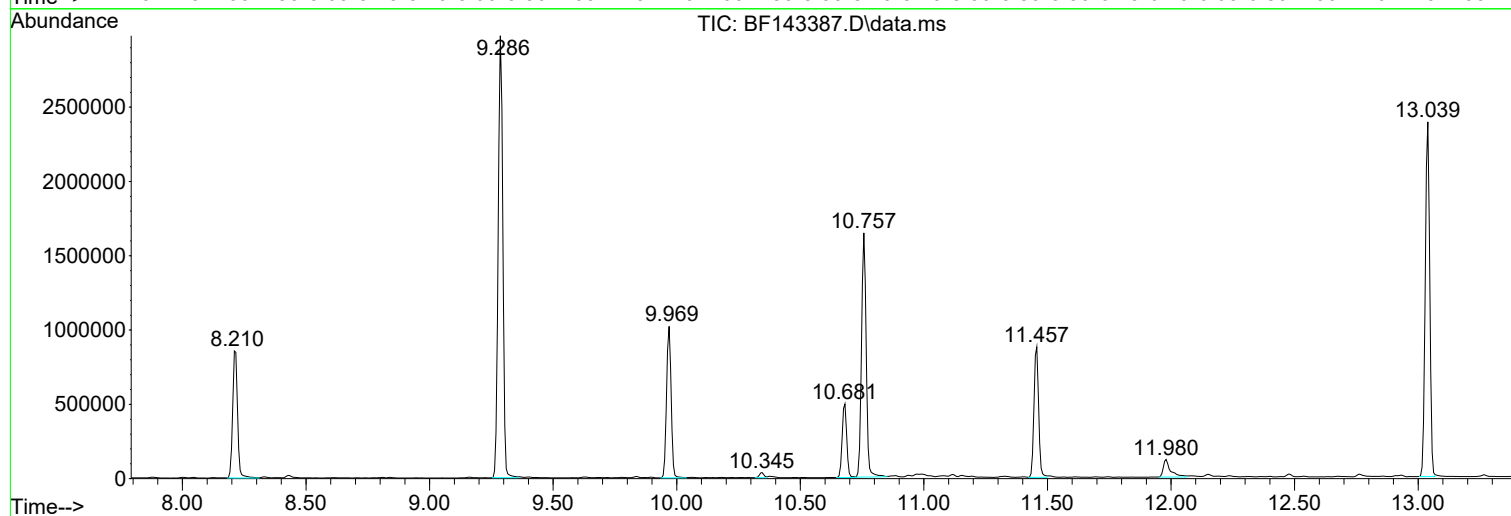
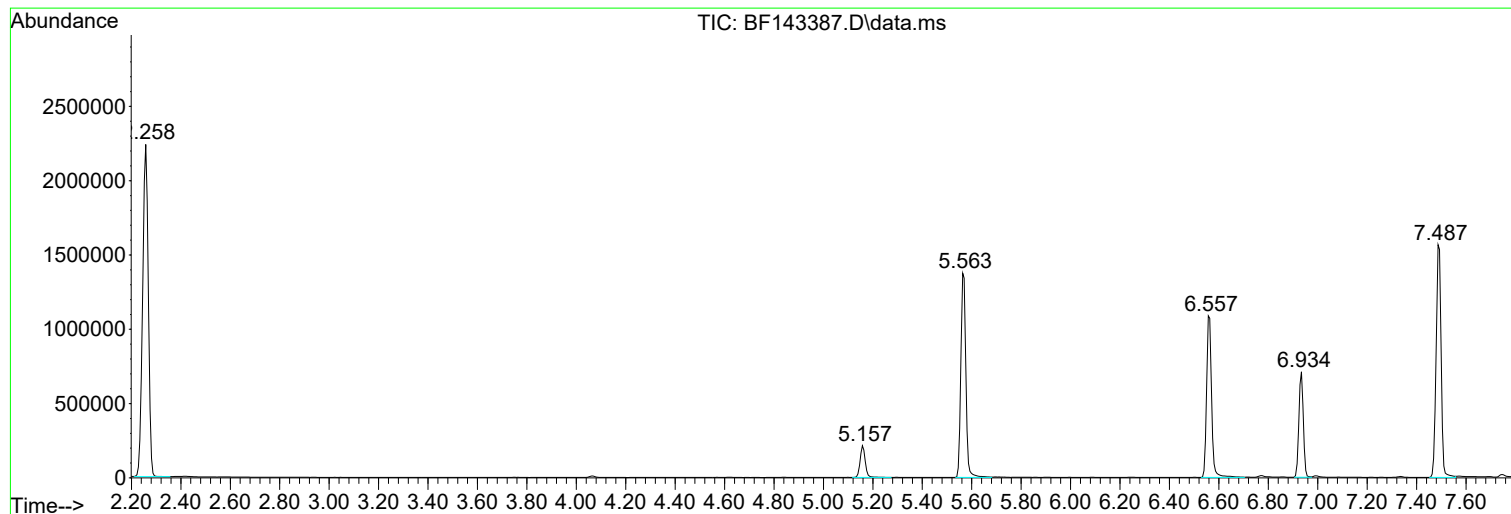
Sum of corrected areas: 25576868

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

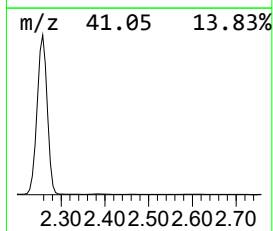
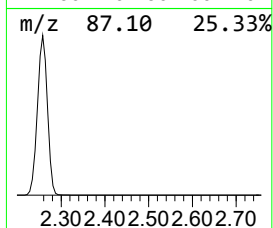
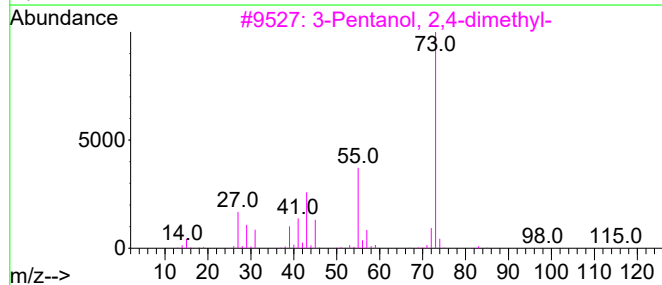
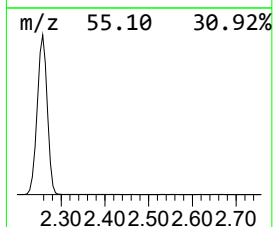
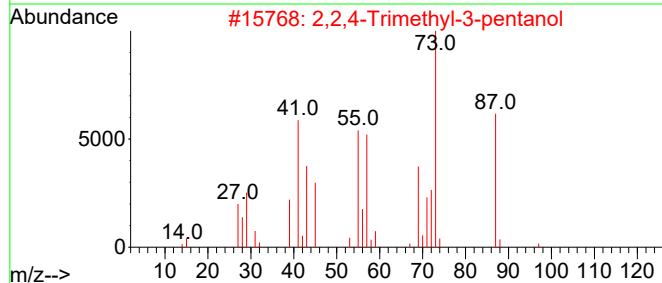
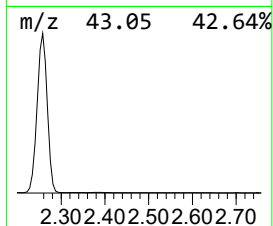
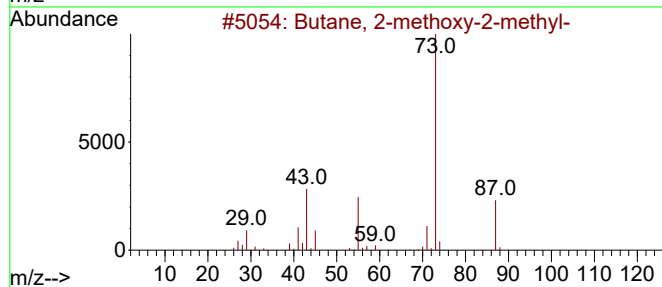
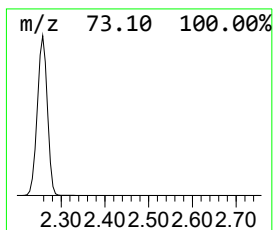
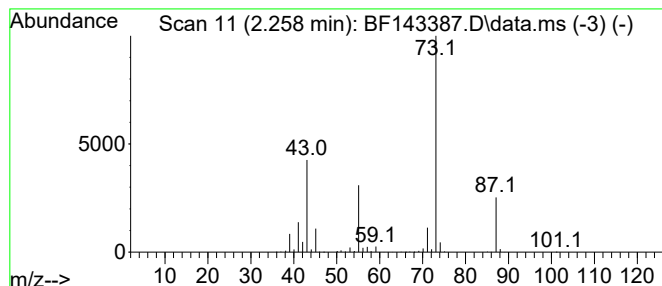
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.258	80.64 ng	3568090	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

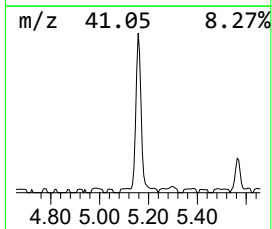
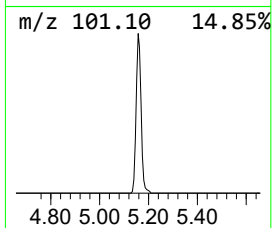
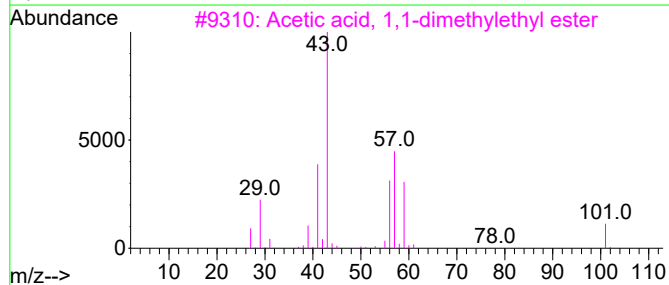
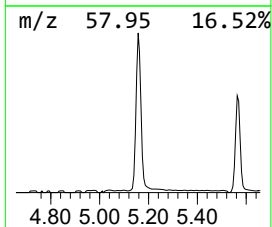
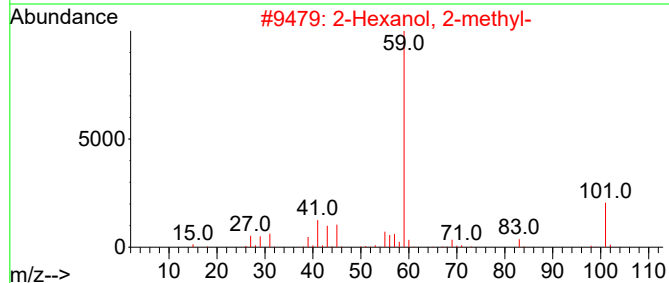
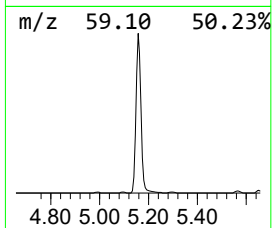
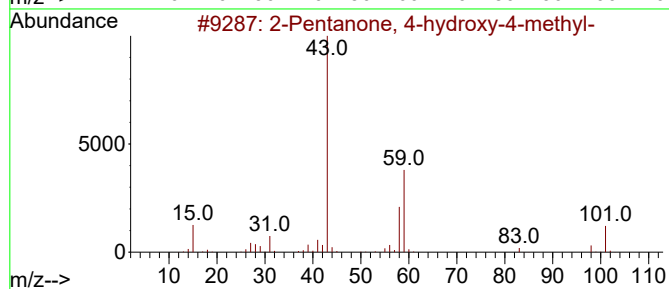
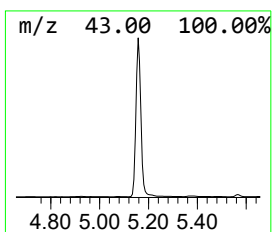
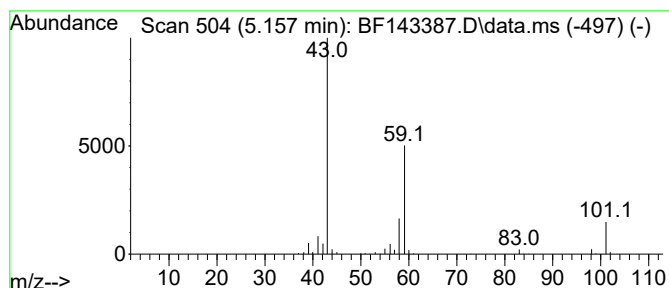
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.157	6.89 ng	304943	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59		
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28		
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28		
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

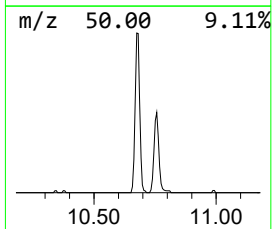
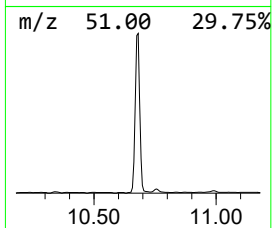
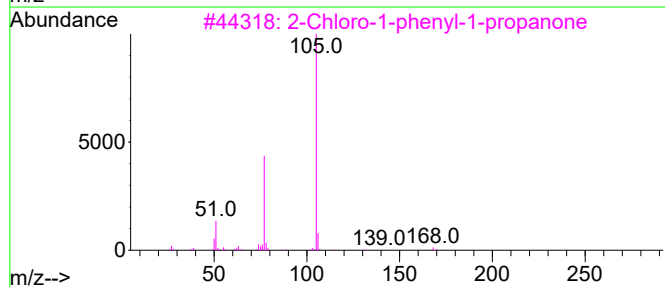
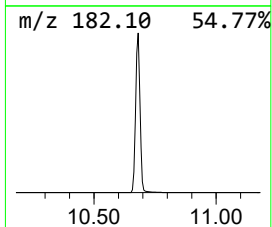
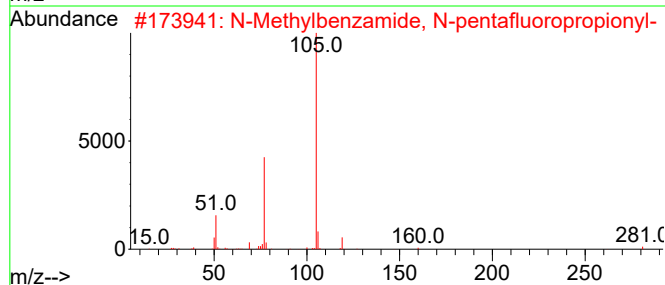
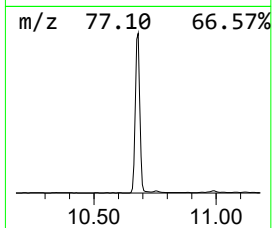
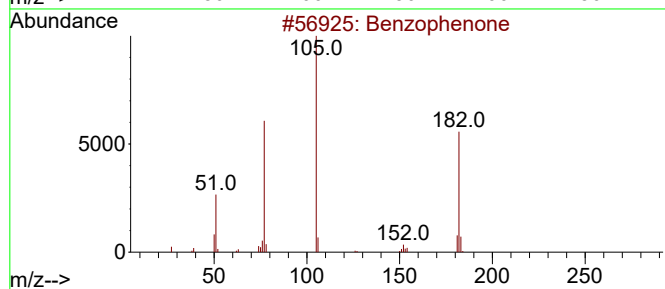
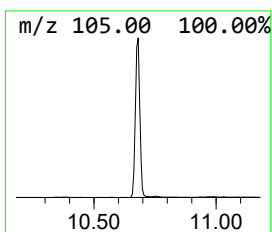
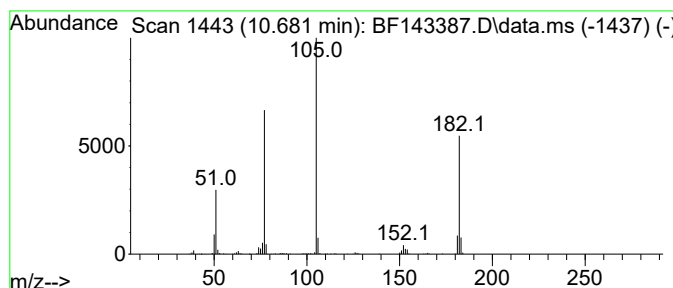
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	9.94 ng	640906	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	50
3			2-Chloro-1-phenyl-1-propanone	168	C9H9ClO	006084-17-9	50
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50
5			1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

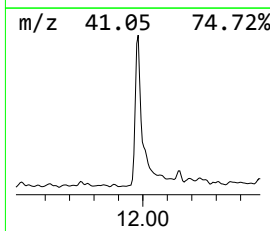
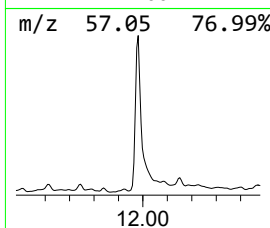
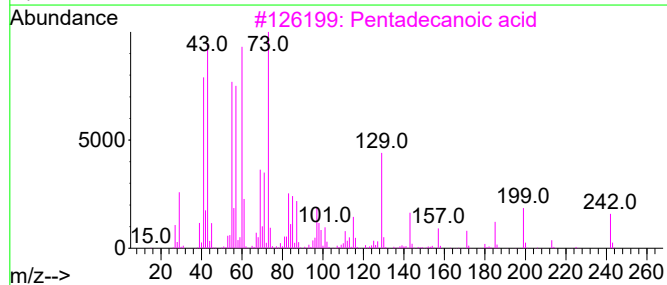
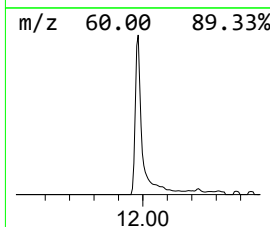
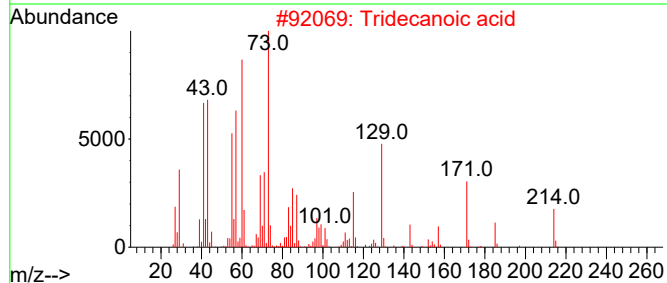
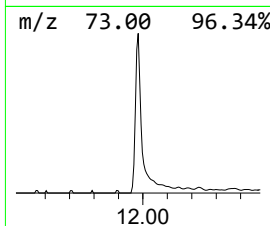
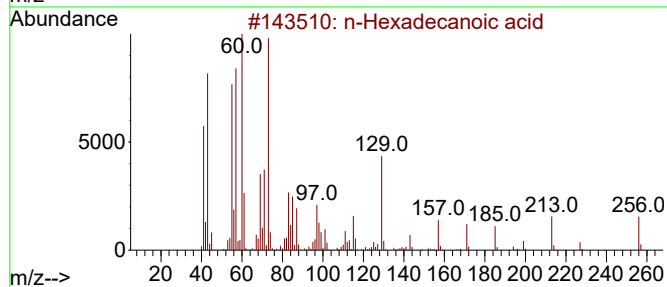
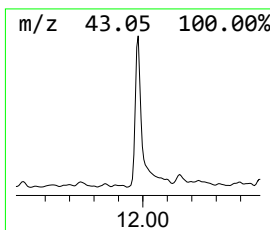
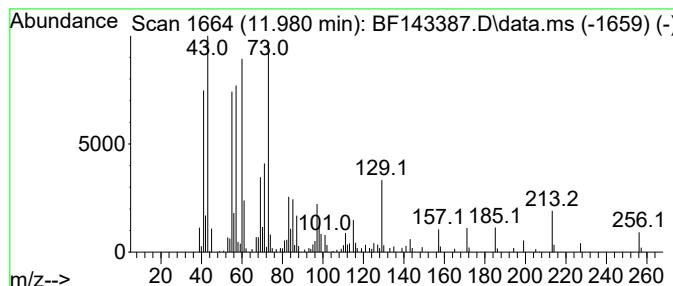
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	4.11 ng	237696	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	95
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4			Octanoic acid	144	C8H16O2	000124-07-2	45
5			Nonanoic acid	158	C9H18O2	000112-05-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

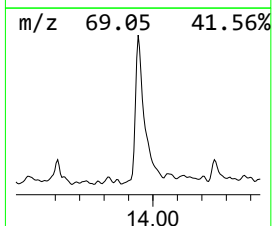
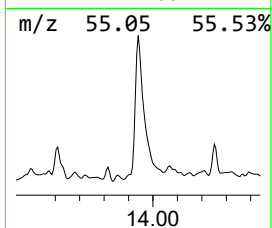
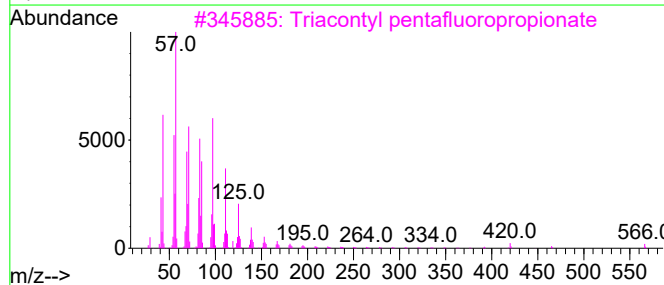
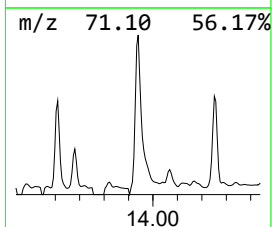
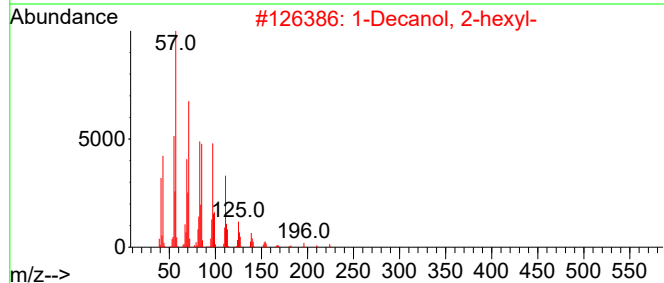
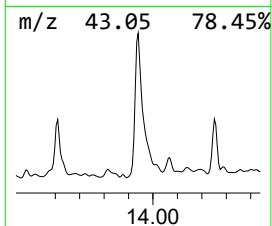
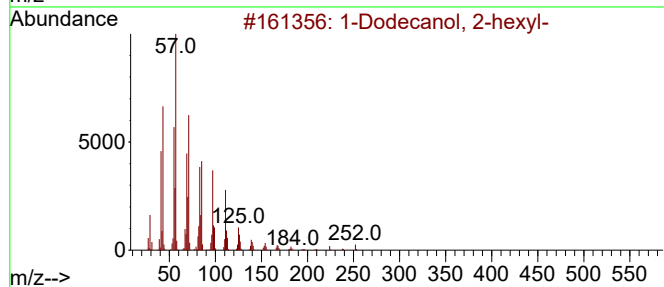
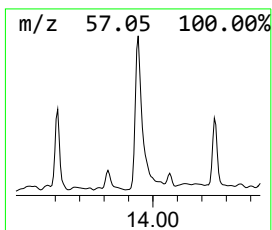
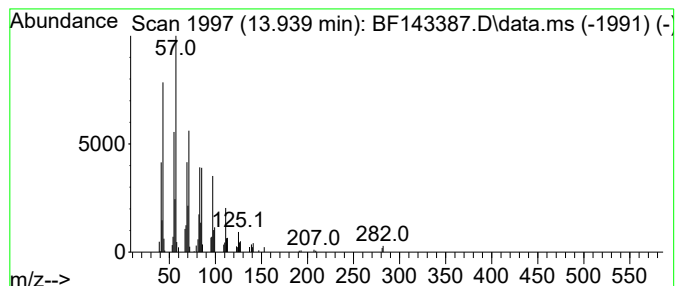
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Dodecanol, 2-hexyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	4.19 ng	143148	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	91
2			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	91
3			Triacontyl pentafluoropropionate	584	C33H61F5O2	1000351-80-0	91
4			Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	91
5			Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143387.D
Acq On : 14 Aug 2025 17:56
Operator : RC/JU
Sample : Q2814-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.258	80.6	ng	3568090	1	6.934	884972	20.0
2-Pentanone, 4-...	5.157	6.9	ng	304943	1	6.934	884972	20.0
Benzophenone	10.681	9.9	ng	640906	3	9.969	1289450	20.0
n-Hexadecanoic ...	11.980	4.1	ng	237696	4	11.457	1156560	20.0
1-Dodecanol, 2-...	13.939	4.2	ng	143148	5	14.098	682841	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143388.D	1	08/12/25 09:55	08/14/25 18:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.20	U	4.00	8.20	10.2	ug/L
108-95-2	Phenol	4.10	U	0.93	4.10	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.10	U	0.83	4.10	5.10	ug/L
95-57-8	2-Chlorophenol	4.10	U	0.59	4.10	5.10	ug/L
95-48-7	2-Methylphenol	4.10	U	1.10	4.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.10	U	1.30	4.10	5.10	ug/L
98-86-2	Acetophenone	4.10	U	0.76	4.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.20	U	1.10	8.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	1.40	2.60	2.60	ug/L
67-72-1	Hexachloroethane	4.10	U	0.66	4.10	5.10	ug/L
98-95-3	Nitrobenzene	4.10	U	0.78	4.10	5.10	ug/L
78-59-1	Isophorone	4.10	U	0.77	4.10	5.10	ug/L
88-75-5	2-Nitrophenol	4.10	U	1.80	4.10	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.10	U	1.90	4.10	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.10	U	0.69	4.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.10	U	0.53	4.10	5.10	ug/L
91-20-3	Naphthalene	4.10	U	0.51	4.10	5.10	ug/L
106-47-8	4-Chloroaniline	4.10	U	0.86	4.10	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.10	U	0.55	4.10	5.10	ug/L
105-60-2	Caprolactam	8.20	U	1.20	8.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	4.10	U	0.60	4.10	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.10	U	0.57	4.10	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.20	U	3.70	8.20	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	4.10	U	0.52	4.10	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.10	U	0.63	4.10	5.10	ug/L
92-52-4	1,1-Biphenyl	4.10	U	0.54	4.10	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.10	U	0.62	4.10	5.10	ug/L
88-74-4	2-Nitroaniline	4.10	U	1.30	4.10	5.10	ug/L
131-11-3	Dimethylphthalate	4.10	U	0.62	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143388.D	1	08/12/25 09:55	08/14/25 18:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.10	U	0.77	4.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.10	U	0.94	4.10	5.10	ug/L
99-09-2	3-Nitroaniline	4.10	U	1.10	4.10	5.10	ug/L
83-32-9	Acenaphthene	4.10	U	0.56	4.10	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.20	U	6.10	8.20	10.2	ug/L
100-02-7	4-Nitrophenol	8.20	U	2.40	8.20	10.2	ug/L
132-64-9	Dibenzofuran	4.10	U	0.62	4.10	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.10	U	1.20	4.10	5.10	ug/L
84-66-2	Diethylphthalate	4.10	U	0.70	4.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.10	U	0.69	4.10	5.10	ug/L
86-73-7	Fluorene	4.10	U	0.64	4.10	5.10	ug/L
100-01-6	4-Nitroaniline	4.10	U	1.50	4.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.20	U	2.90	8.20	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	4.10	U	0.59	4.10	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	U	0.41	4.10	5.10	ug/L
118-74-1	Hexachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
1912-24-9	Atrazine	4.10	U	1.00	4.10	5.10	ug/L
87-86-5	Pentachlorophenol	8.20	U	1.60	8.20	10.2	ug/L
85-01-8	Phenanthrene	4.10	U	0.51	4.10	5.10	ug/L
120-12-7	Anthracene	4.10	U	0.62	4.10	5.10	ug/L
86-74-8	Carbazole	4.10	U	0.73	4.10	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.10	U	1.20	4.10	5.10	ug/L
206-44-0	Fluoranthene	4.10	U	0.84	4.10	5.10	ug/L
129-00-0	Pyrene	4.10	U	0.51	4.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.10	U	2.00	4.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.20	U	0.95	8.20	10.2	ug/L
56-55-3	Benzo(a)anthracene	4.10	U	0.46	4.10	5.10	ug/L
218-01-9	Chrysene	4.10	U	0.45	4.10	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.10	U	1.60	4.10	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.20	U	2.40	8.20	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	4.10	U	0.50	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143388.D	1	08/12/25 09:55	08/14/25 18:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.10	U	0.49	4.10	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.10	U	0.56	4.10	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.10	U	0.60	4.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.10	U	0.68	4.10	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.10	U	0.70	4.10	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
123-91-1	1,4-Dioxane	4.10	UQ	1.00	4.10	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.10	U	0.73	4.10	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	77.7		19 - 119	52%	SPK: 150
13127-88-3	Phenol-d6	65.3		10 - 130	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.7		44 - 120	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.7		44 - 119	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		43 - 140	99%	SPK: 150
1718-51-0	Terphenyl-d14	88.9		50 - 134	89%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	144000	6.934
1146-65-2	Naphthalene-d8	556000	8.21
15067-26-2	Acenaphthene-d10	299000	9.969
1517-22-2	Phenanthrene-d10	455000	11.457
1719-03-5	Chrysene-d12	258000	14.098
1520-96-3	Perylene-d12	286000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	93.0	JB	2.28	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.70	AB	5.16	ug/L
000119-61-9	Benzophenone	9.30	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	5.30	J	12.0	ug/L
1000351-89-0	Hexatriacontyl pentafluoropropiona	4.40	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143388.D	1	08/12/25 09:55	08/14/25 18:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

Quant Time: Aug 14 18:46:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	143835	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	555709	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	299361	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	455198	20.000	ng	0.00
76) Chrysene-d12	14.098	240	258169	20.000	ng	0.00
86) Perylene-d12	15.592	264	285769	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	646027	77.669	ng	0.00
7) Phenol-d6	6.563	99	696791	65.326	ng	0.00
23) Nitrobenzene-d5	7.486	82	800347	89.688	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	326515	149.244	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1406789	79.689	ng	0.00
79) Terphenyl-d14	13.039	244	1284914	88.857	ng	0.00

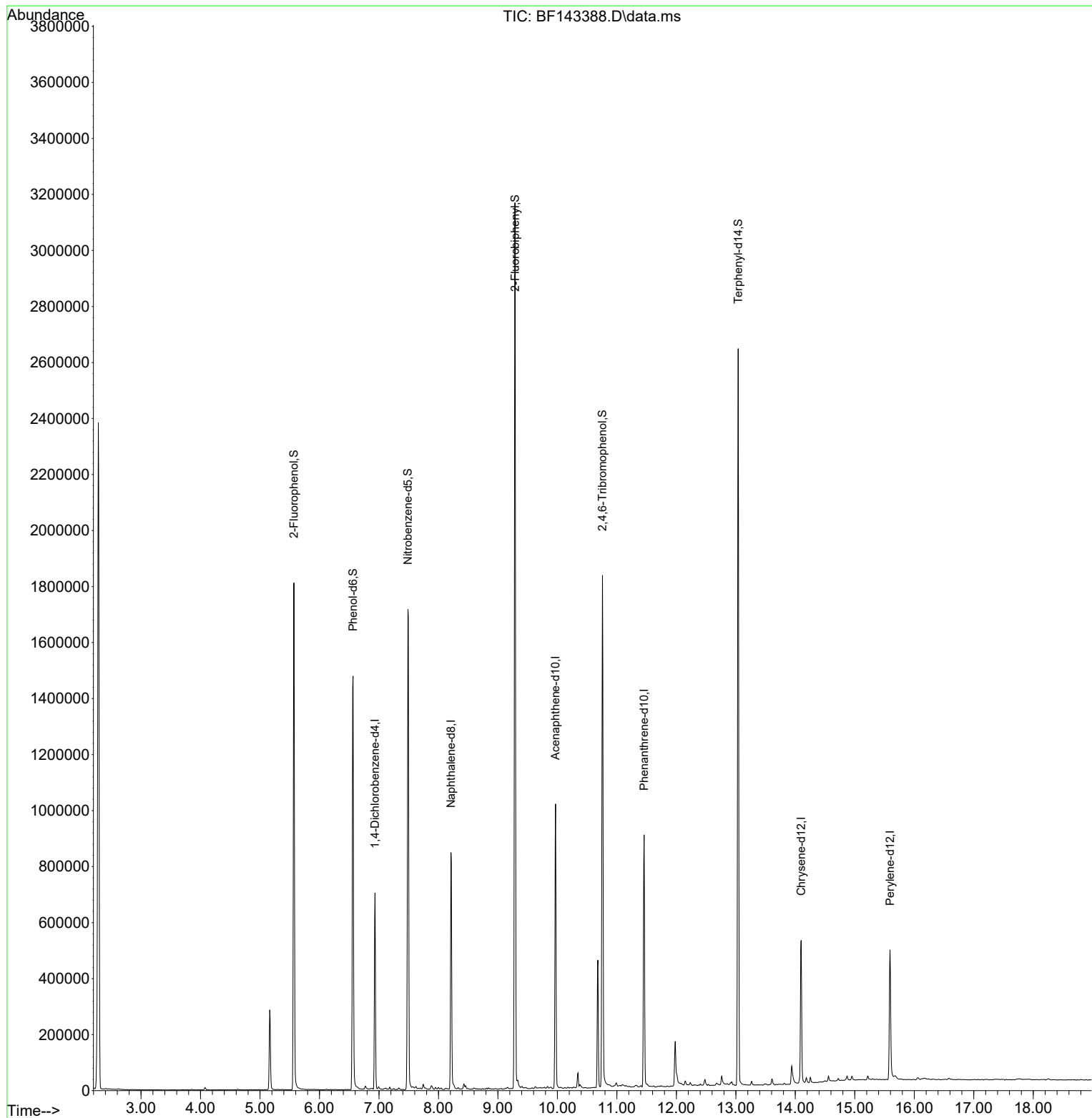
Target Compounds	Qvalue

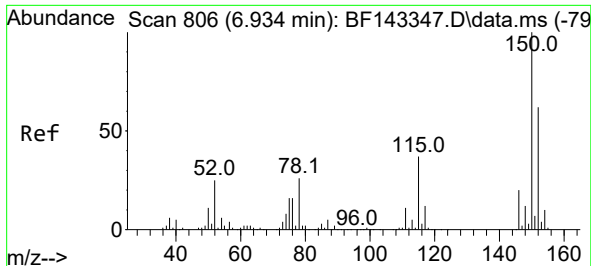
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

Quant Time: Aug 14 18:46:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

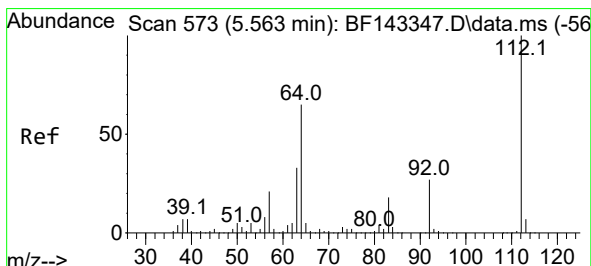
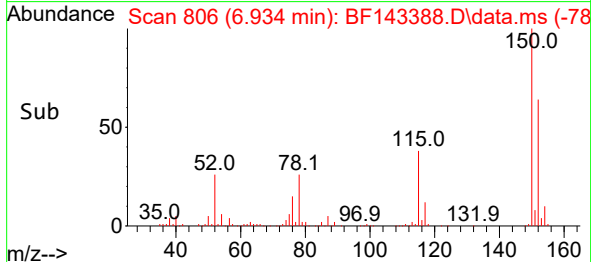
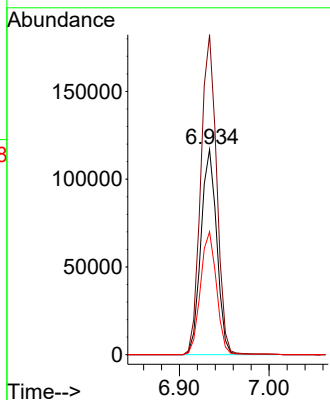
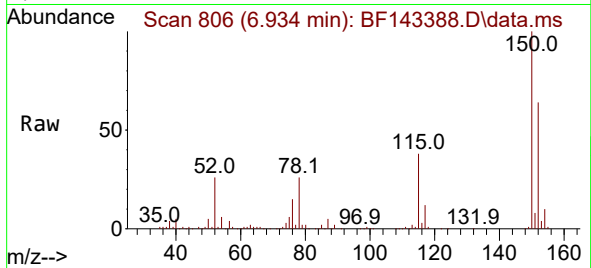




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143388.D
Acq: 14 Aug 2025 18:26

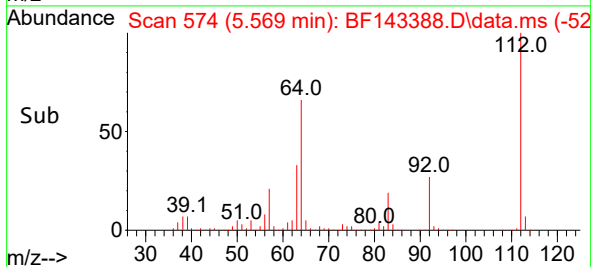
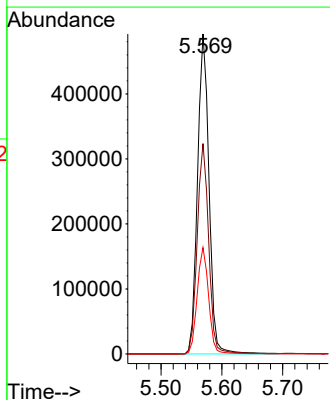
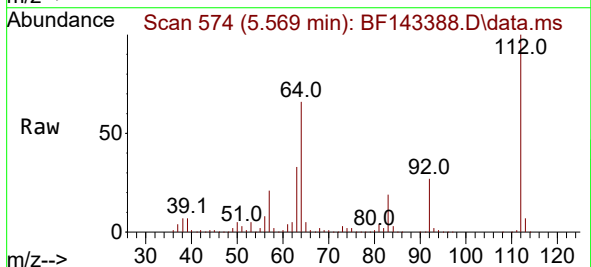
Instrument :
BNA_F
ClientSampleId :
TW-38M-N

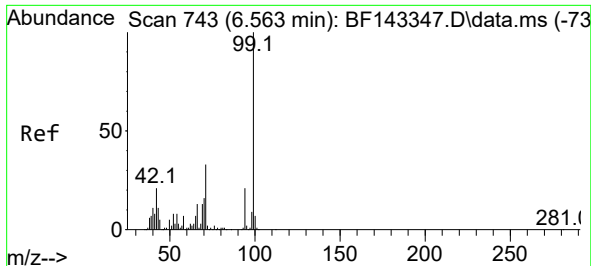
Tgt Ion:152 Resp: 143835
Ion Ratio Lower Upper
152 100
150 155.8 129.8 194.8
115 59.8 47.8 71.8



#5
2-Fluorophenol
Concen: 77.669 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143388.D
Acq: 14 Aug 2025 18:26

Tgt Ion:112 Resp: 646027
Ion Ratio Lower Upper
112 100
64 65.8 52.1 78.1
63 33.3 26.6 39.8

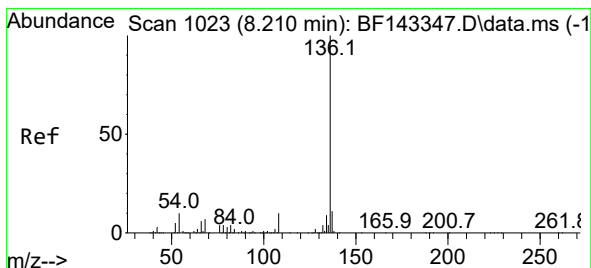
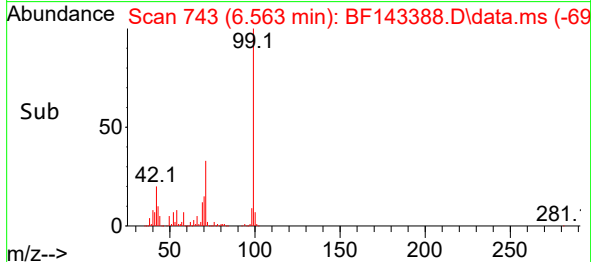
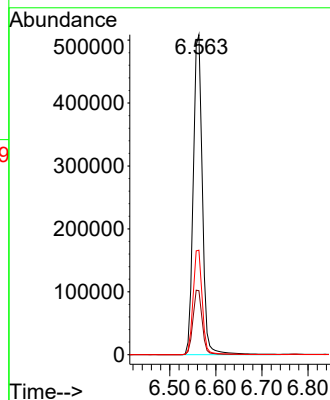
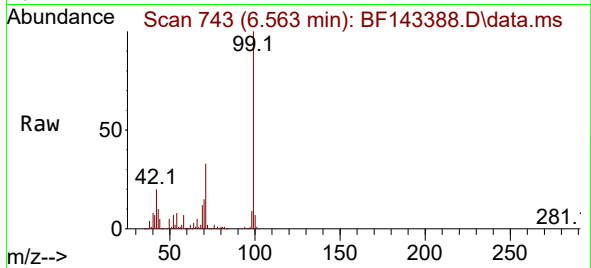




#7
Phenol-d6
Concen: 65.326 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143388.D
Acq: 14 Aug 2025 18:26

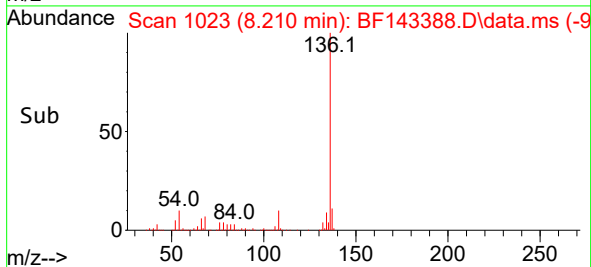
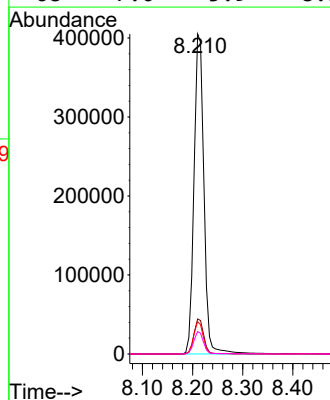
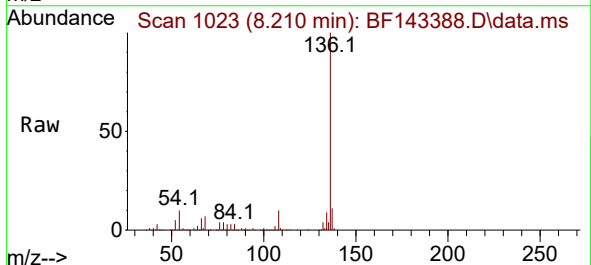
Instrument :
BNA_F
ClientSampleId :
TW-38M-N

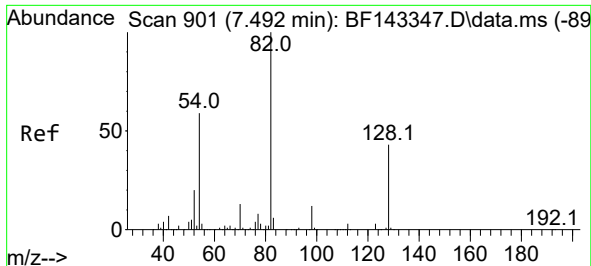
Tgt Ion: 99 Resp: 696791
Ion Ratio Lower Upper
99 100
42 20.0 16.6 25.0
71 32.7 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143388.D
Acq: 14 Aug 2025 18:26

Tgt Ion: 136 Resp: 555709
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.1 8.4 12.6
68 7.0 5.9 8.9





#23

Nitrobenzene-d5

Concen: 89.688 ng

RT: 7.486 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143388.D

Acq: 14 Aug 2025 18:26

Instrument :

BNA_F

ClientSampleId :

TW-38M-N

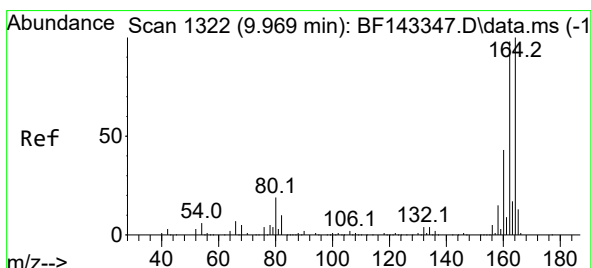
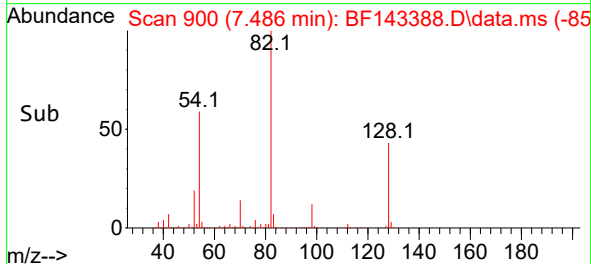
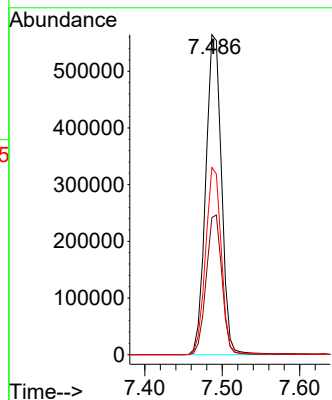
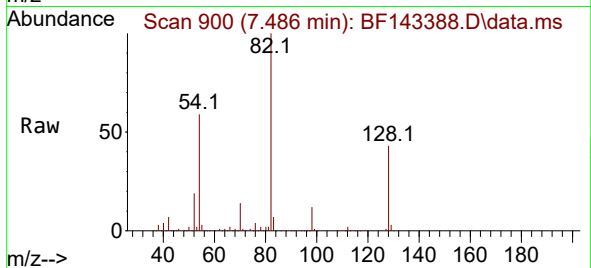
Tgt Ion: 82 Resp: 800347

Ion Ratio Lower Upper

82 100

128 42.9 33.5 50.3

54 58.5 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143388.D

Acq: 14 Aug 2025 18:26

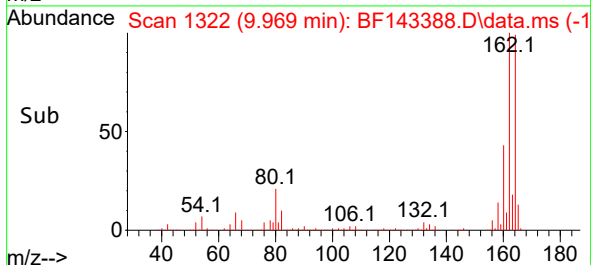
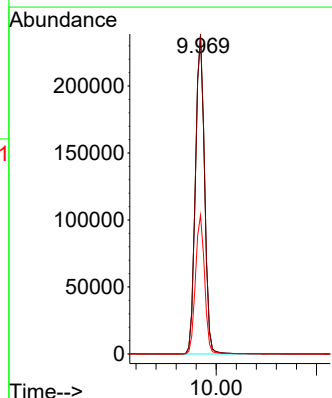
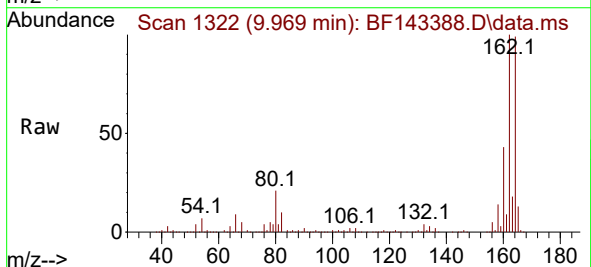
Tgt Ion: 164 Resp: 299361

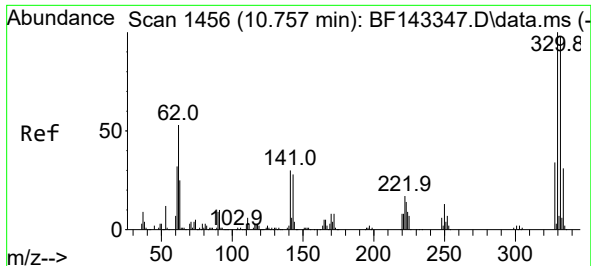
Ion Ratio Lower Upper

164 100

162 100.6 78.6 118.0

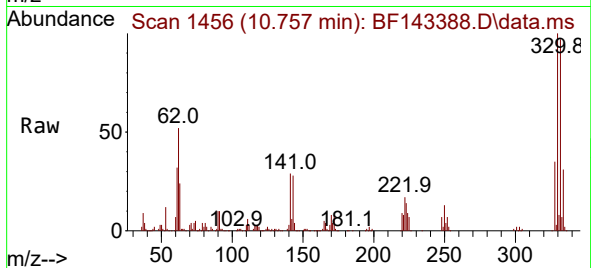
160 43.7 34.4 51.6



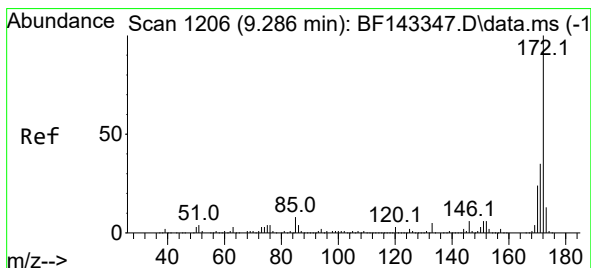
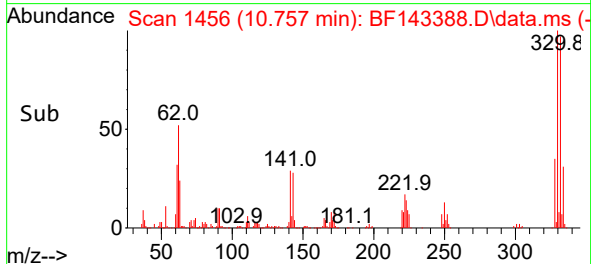
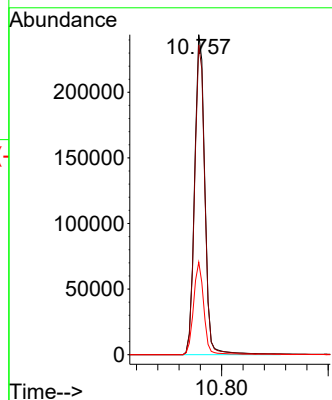


#42
2,4,6-Tribromophenol
Concen: 149.244 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143388.D
Acq: 14 Aug 2025 18:26

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

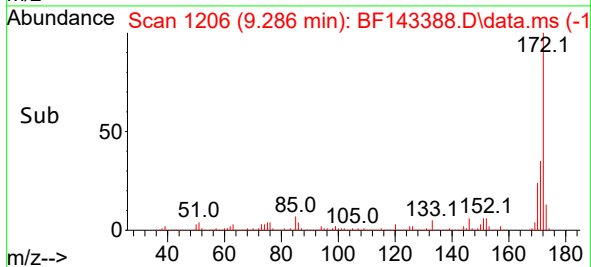
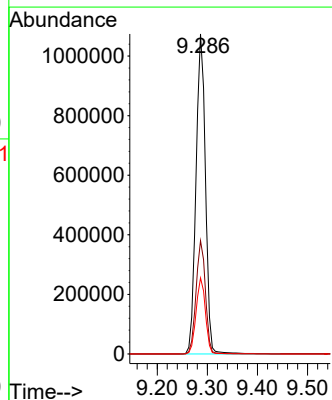
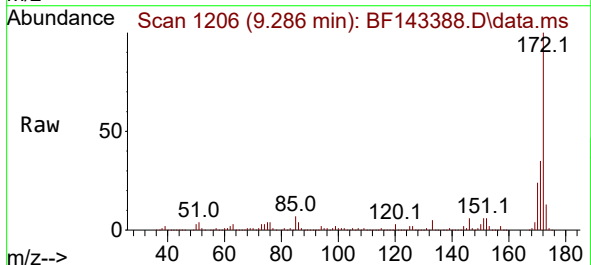


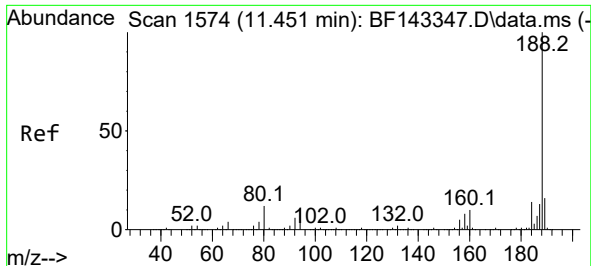
Tgt Ion: 330 Resp: 326515
Ion Ratio Lower Upper
330 100
332 96.5 78.1 117.1
141 29.0 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 79.689 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143388.D
Acq: 14 Aug 2025 18:26

Tgt Ion: 172 Resp: 1406789
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.7 19.1 28.7

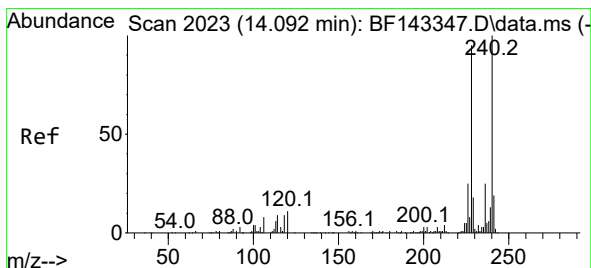
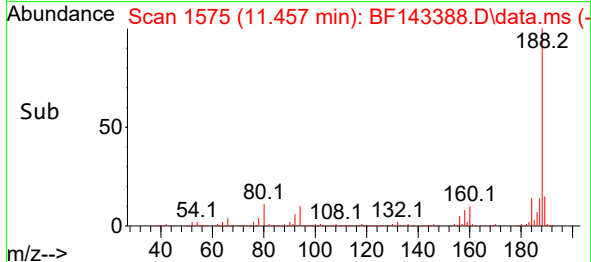
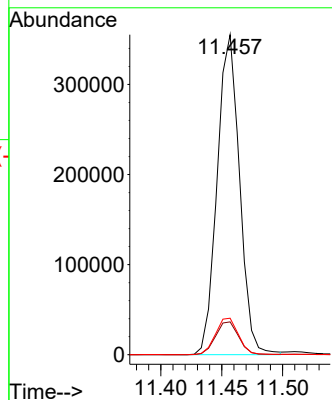
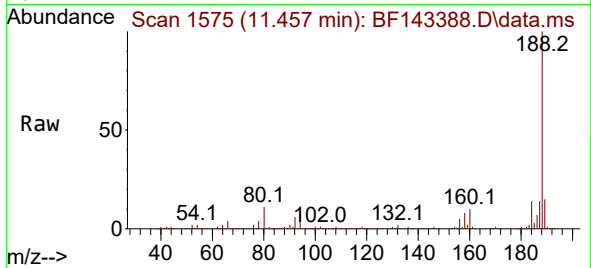




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143388.D
Acq: 14 Aug 2025 18:26

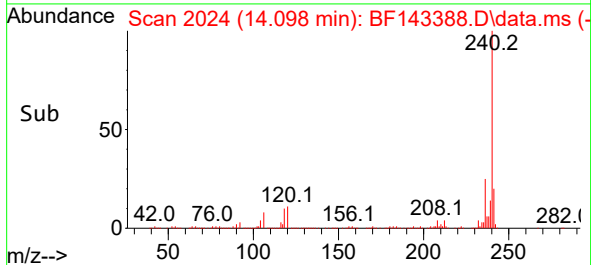
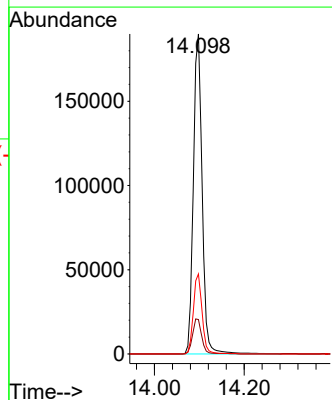
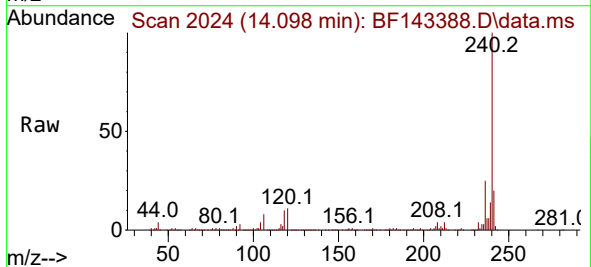
Instrument :
BNA_F
ClientSampleId :
TW-38M-N

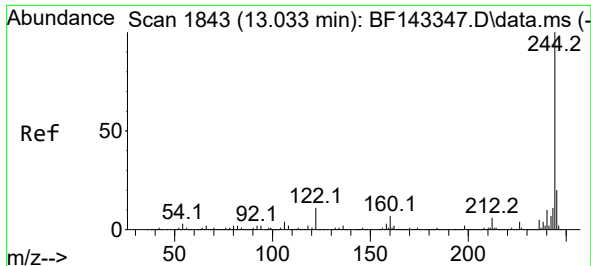
Tgt Ion:188 Resp: 455198
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 11.4 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143388.D
Acq: 14 Aug 2025 18:26

Tgt Ion:240 Resp: 258169
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 25.0 19.9 29.9

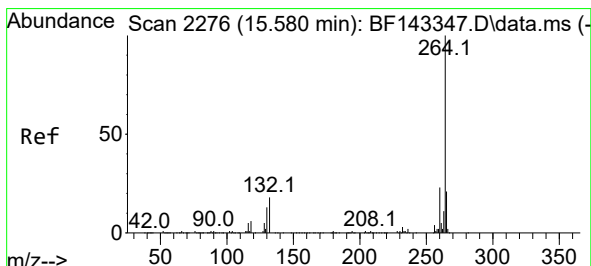
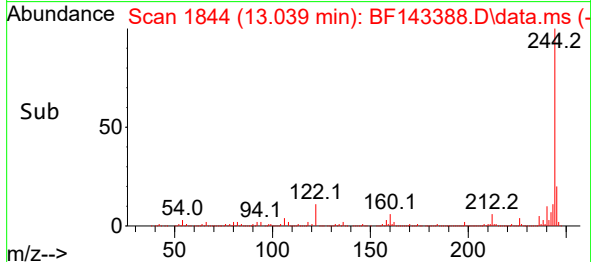
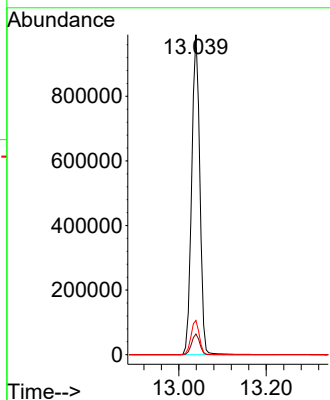
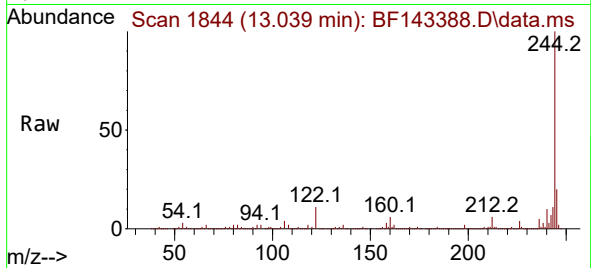




#79
 Terphenyl-d14
 Concen: 88.857 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143388.D
 Acq: 14 Aug 2025 18:26

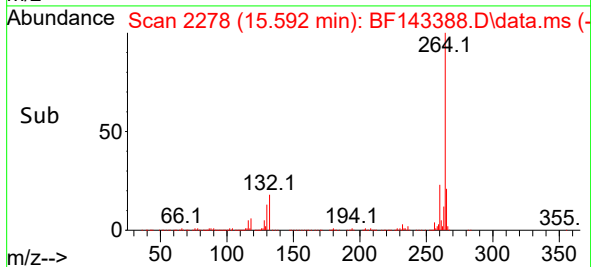
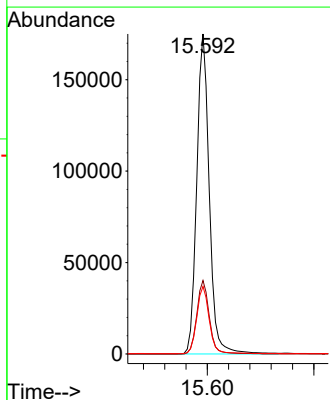
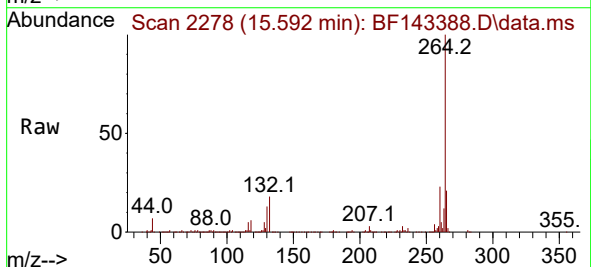
Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-N

Tgt Ion:244 Resp: 1284914
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 10.7 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143388.D
 Acq: 14 Aug 2025 18:26

Tgt Ion:264 Resp: 285769
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.7 28.1
 265 21.1 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143388.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.281	6	15	30	rVB	2379732	3960109	97.03%	13.958%
2	5.163	499	505	521	rVB	284953	413099	10.12%	1.456%
3	5.569	568	574	597	rBV	1809944	2376546	58.23%	8.377%
4	6.563	737	743	762	rBV	1476508	2045969	50.13%	7.211%
5	6.934	801	806	813	rBV	702078	868892	21.29%	3.063%
6	7.486	891	900	911	rBV	1715986	2462006	60.33%	8.678%
7	8.210	1018	1023	1040	rBV	844665	1162307	28.48%	4.097%
8	9.286	1200	1206	1211	rBV	3162380	4081173	100.00%	14.385%
9	9.333	1211	1214	1222	rVB2	27071	49182	1.21%	0.173%
10	9.969	1316	1322	1333	rBV	1015077	1289771	31.60%	4.546%
11	10.345	1381	1386	1389	rBV	51251	64307	1.58%	0.227%
12	10.680	1437	1443	1450	rBV	455087	590090	14.46%	2.080%
13	10.757	1450	1456	1472	rBV	1826403	2443736	59.88%	8.613%
14	11.457	1569	1575	1582	rBV	900156	1166461	28.58%	4.111%
15	11.980	1659	1664	1678	rBV2	158621	301400	7.39%	1.062%
16	12.763	1793	1797	1806	rBV	29773	53264	1.31%	0.188%
17	13.039	1838	1844	1849	rBV	2630961	3405260	83.44%	12.003%
18	13.939	1992	1997	2013	rBV	64500	152447	3.74%	0.537%
19	14.098	2016	2024	2034	rVV	509858	710215	17.40%	2.503%
20	15.592	2272	2278	2289	rBV	463055	774816	18.99%	2.731%

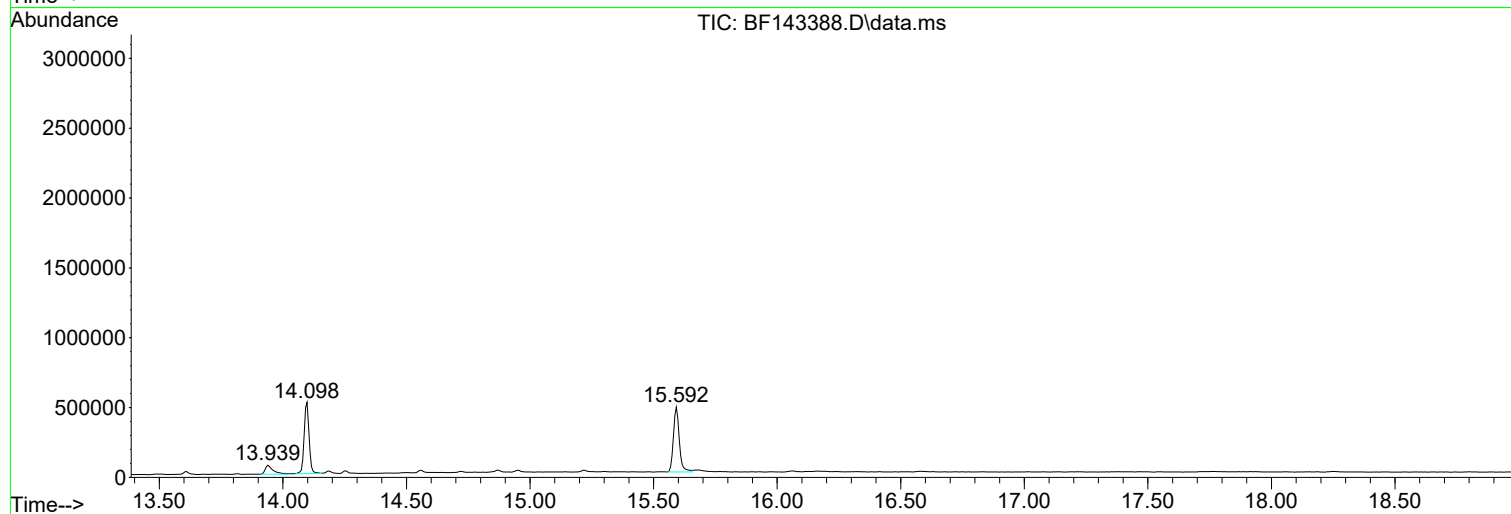
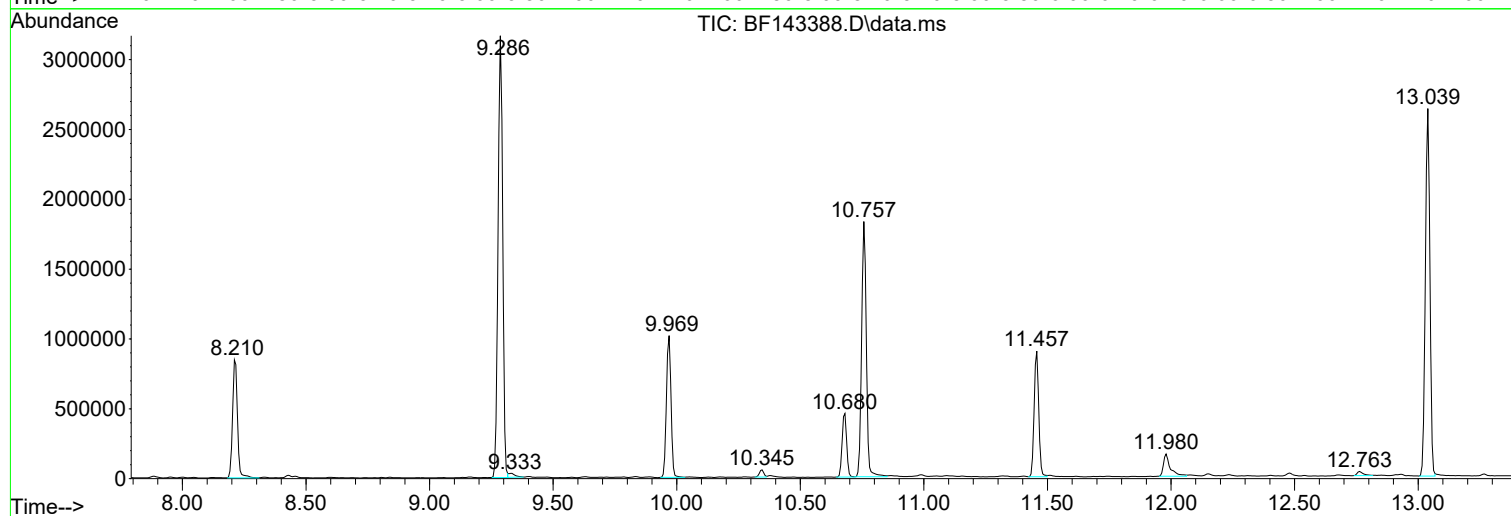
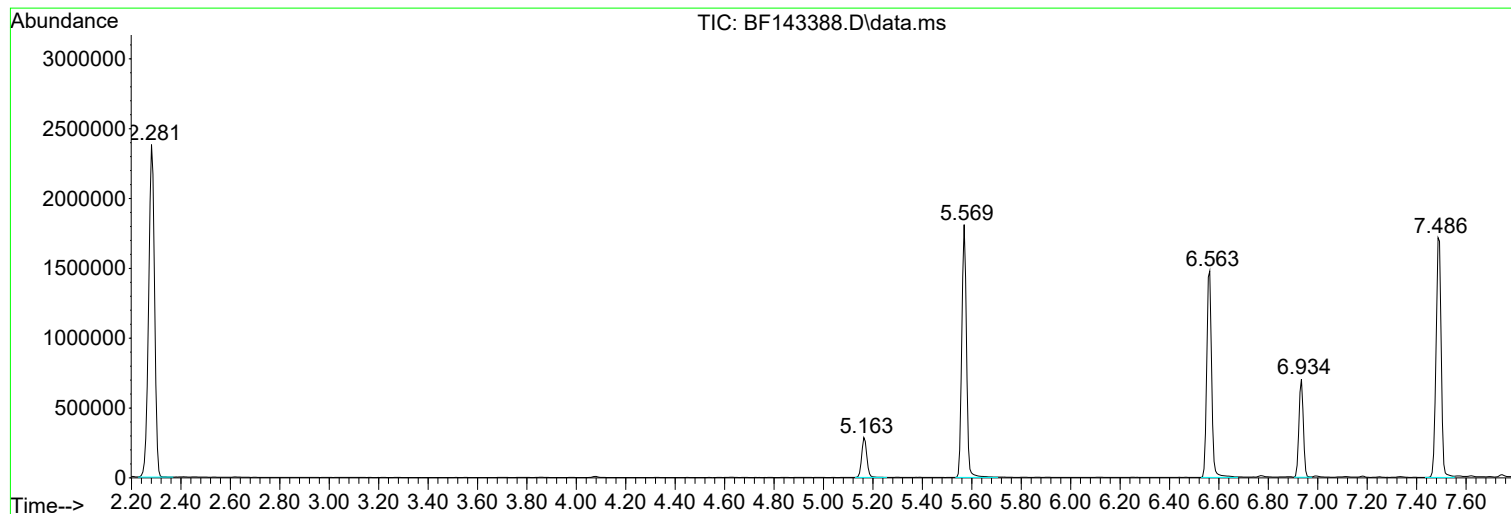
Sum of corrected areas: 28371050

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

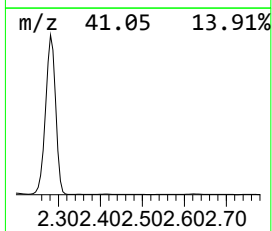
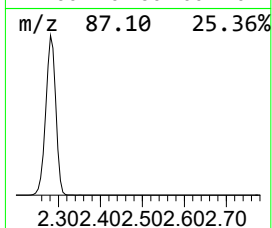
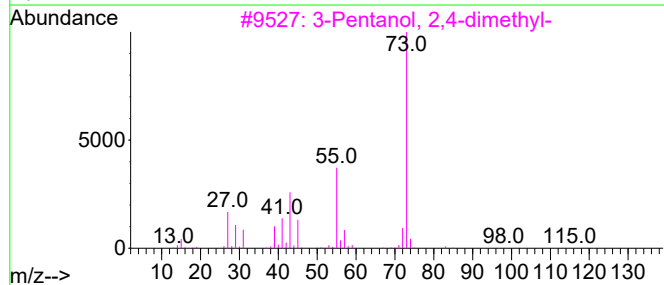
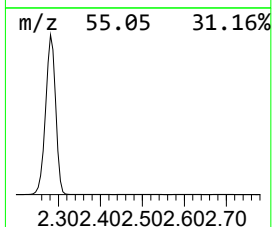
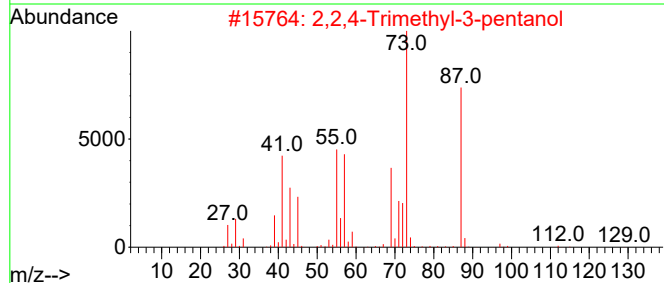
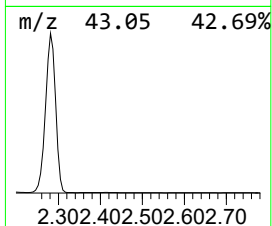
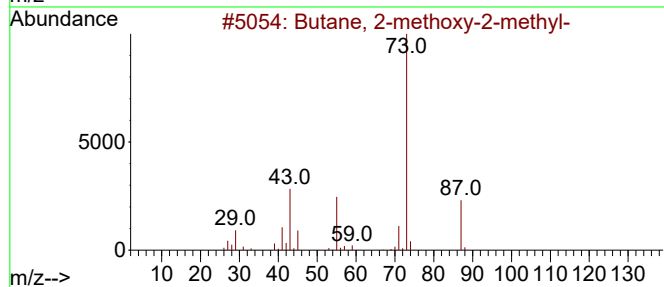
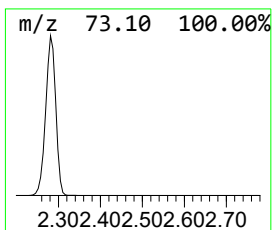
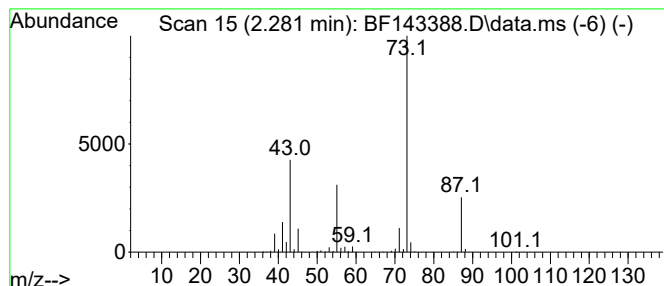
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.281	91.15 ng	3960110	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

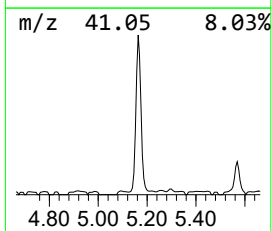
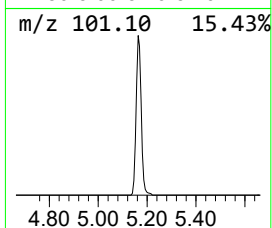
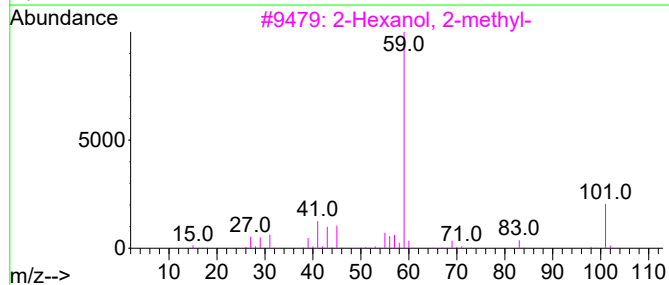
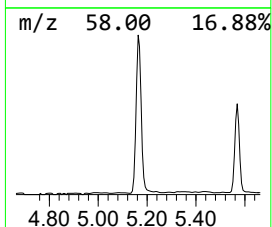
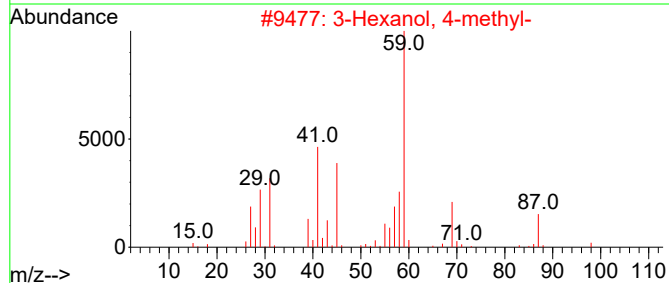
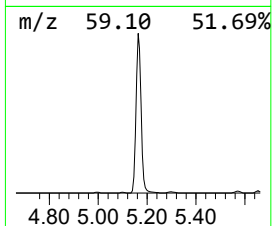
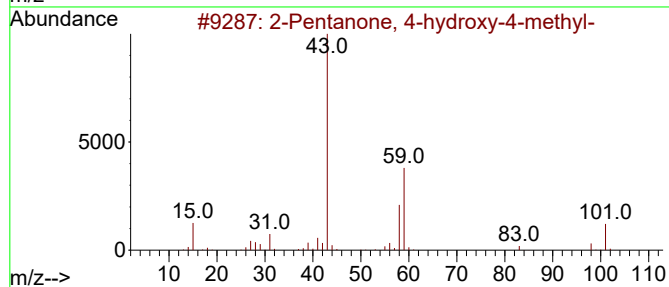
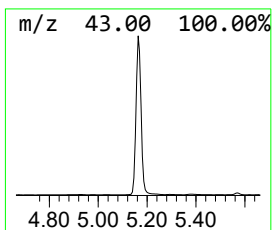
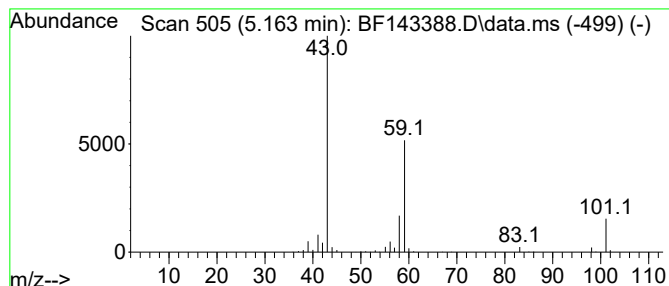
Instrument :
BNA_F
ClientSampleId :
TW-38M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.163	9.51 ng	413099	1,4-Dichlorobenzene-d4			6.934
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33	
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	32	
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

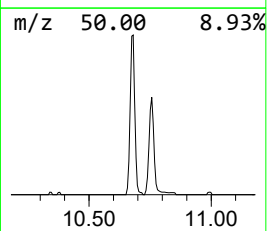
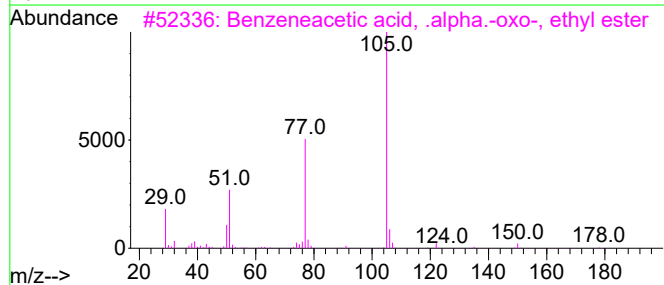
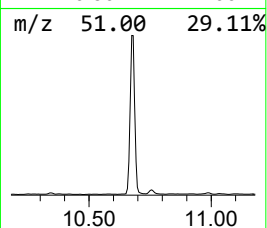
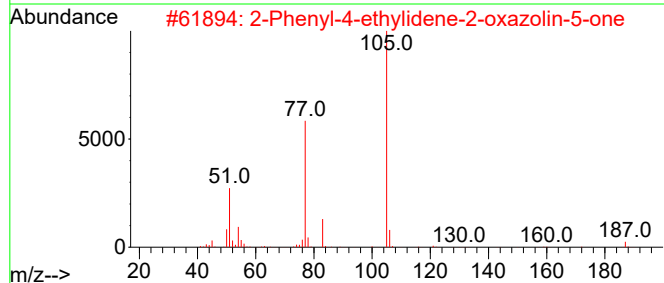
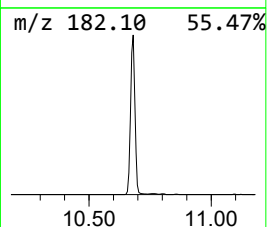
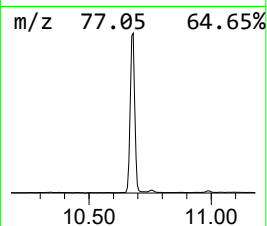
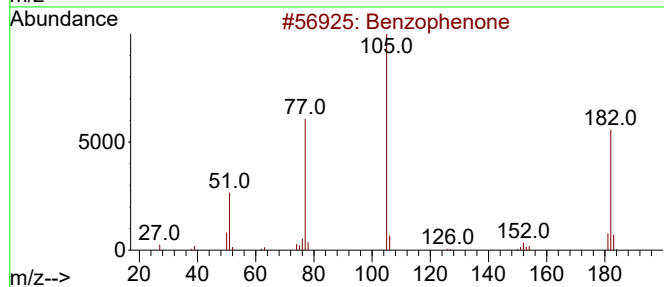
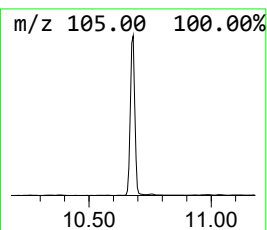
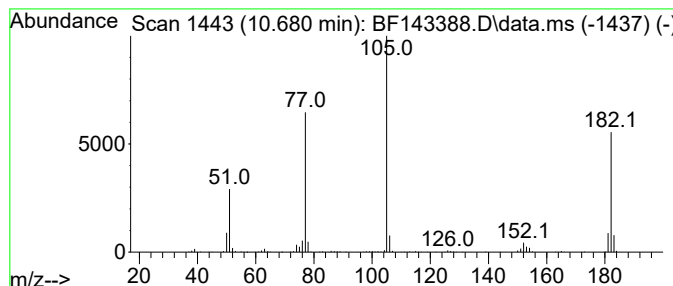
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	9.15 ng	590090	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	47
3			Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	47
4			Vinyl benzoate	148	C9H8O2	000769-78-8	47
5			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

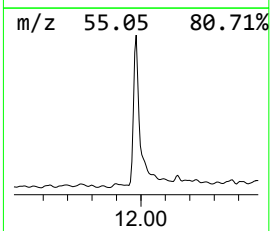
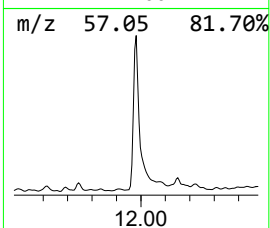
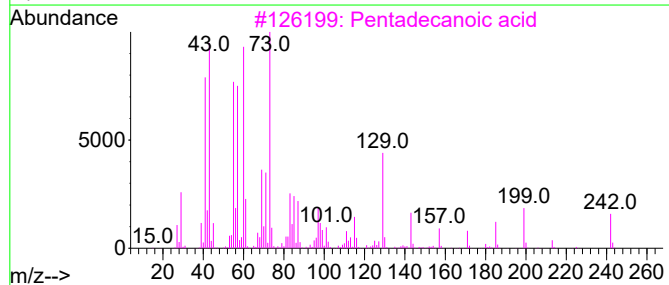
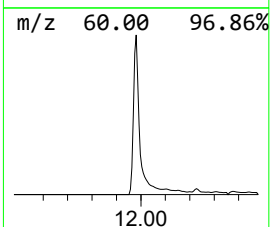
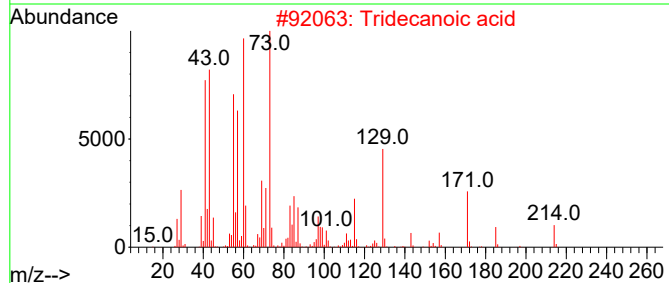
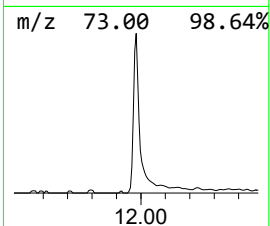
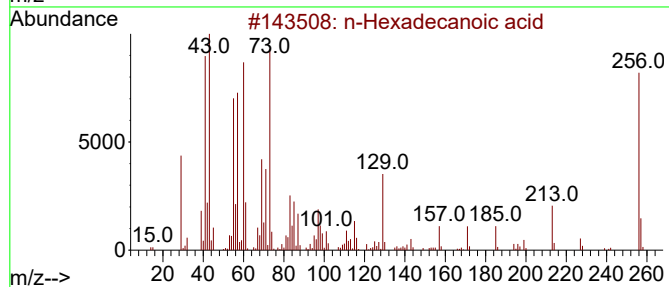
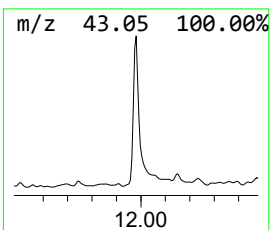
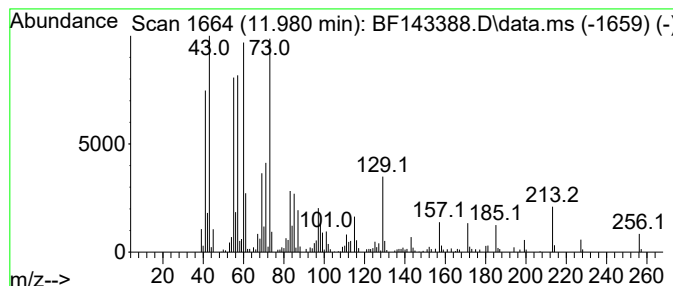
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	5.17 ng	301400	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Tridecanoic acid	214	C13H26O2	000638-53-9	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5			Undecanoic acid	186	C11H22O2	000112-37-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

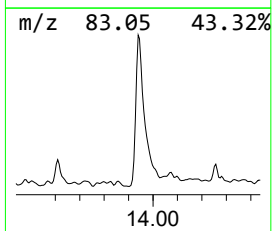
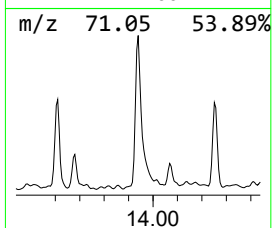
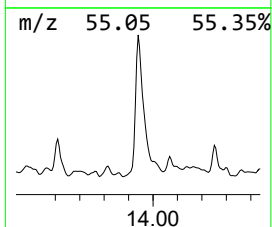
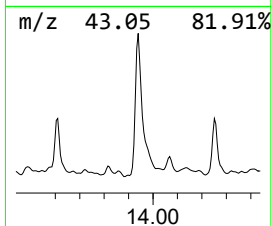
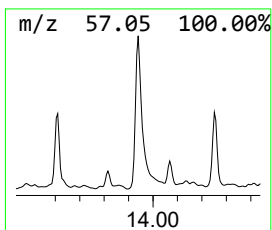
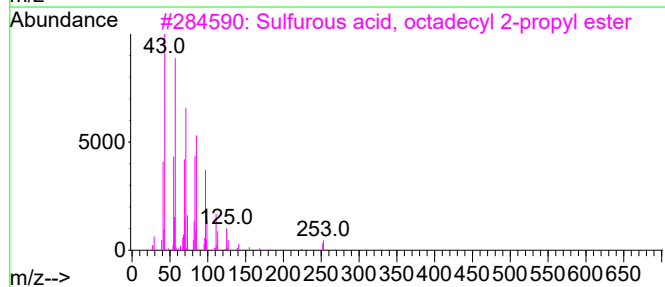
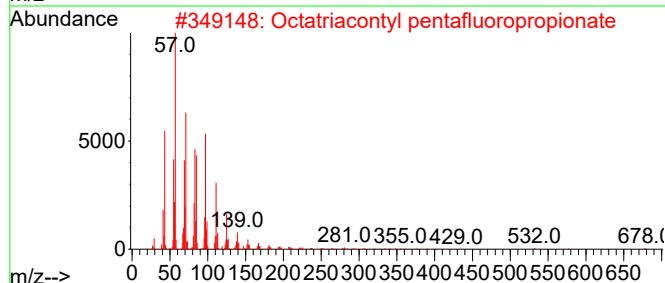
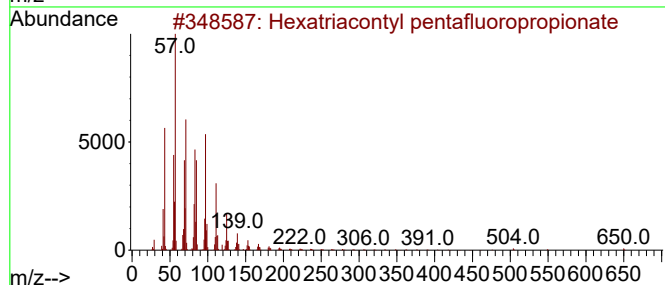
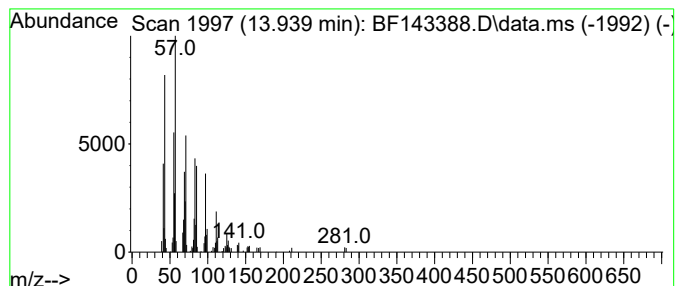
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexatriacontyl pentafluorop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	4.29 ng	152447	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexatriacontyl pentafluoropropio...	669	C39H73F502	1000351-89-0	91
2			Octatriacontyl pentafluoropropio...	697	C41H77F502	1000351-89-1	91
3			Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	90
4			Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	83
5			Isobutyl tetracosyl ether	410	C28H58O	1000406-33-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143388.D
Acq On : 14 Aug 2025 18:26
Operator : RC/JU
Sample : Q2814-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.281	91.2	ng	3960110	1	6.934	868892	20.0
2-Pentanone, 4-...	5.163	9.5	ng	413099	1	6.934	868892	20.0
Benzophenone	10.680	9.2	ng	590090	3	9.969	1289770	20.0
n-Hexadecanoic ...	11.980	5.2	ng	301400	4	11.457	1166460	20.0
Hexatriacontyl ...	13.939	4.3	ng	152447	5	14.098	710215	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-11	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143389.D	1	08/12/25 09:55	08/14/25 18:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-11	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143389.D	1	08/12/25 09:55	08/14/25 18:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.90	J	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-11	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143389.D	1	08/12/25 09:55	08/14/25 18:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	86.2		19 - 119	57%	SPK: 150
13127-88-3	Phenol-d6	65.7		10 - 130	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	112		44 - 120	112%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.7		44 - 119	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	189		43 - 140	126%	SPK: 150
1718-51-0	Terphenyl-d14	110		50 - 134	110%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	150000	6.934
1146-65-2	Naphthalene-d8	583000	8.21
15067-26-2	Acenaphthene-d10	312000	9.969
1517-22-2	Phenanthrene-d10	485000	11.457
1719-03-5	Chrysene-d12	274000	14.098
1520-96-3	Perylene-d12	288000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	100	JB	2.27	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.50	AB	5.16	ug/L
	unknown8.328	2.30	J	8.33	ug/L
1000289-10-5	Tricyclo[5.2.1.0(2,6)]dec-3-en-10-	2.80	J	8.80	ug/L
000119-61-9	Benzophenone	6.70	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.80	J	12.0	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-11	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143389.D	1	08/12/25 09:55	08/14/25 18:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

Quant Time: Aug 15 01:46:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

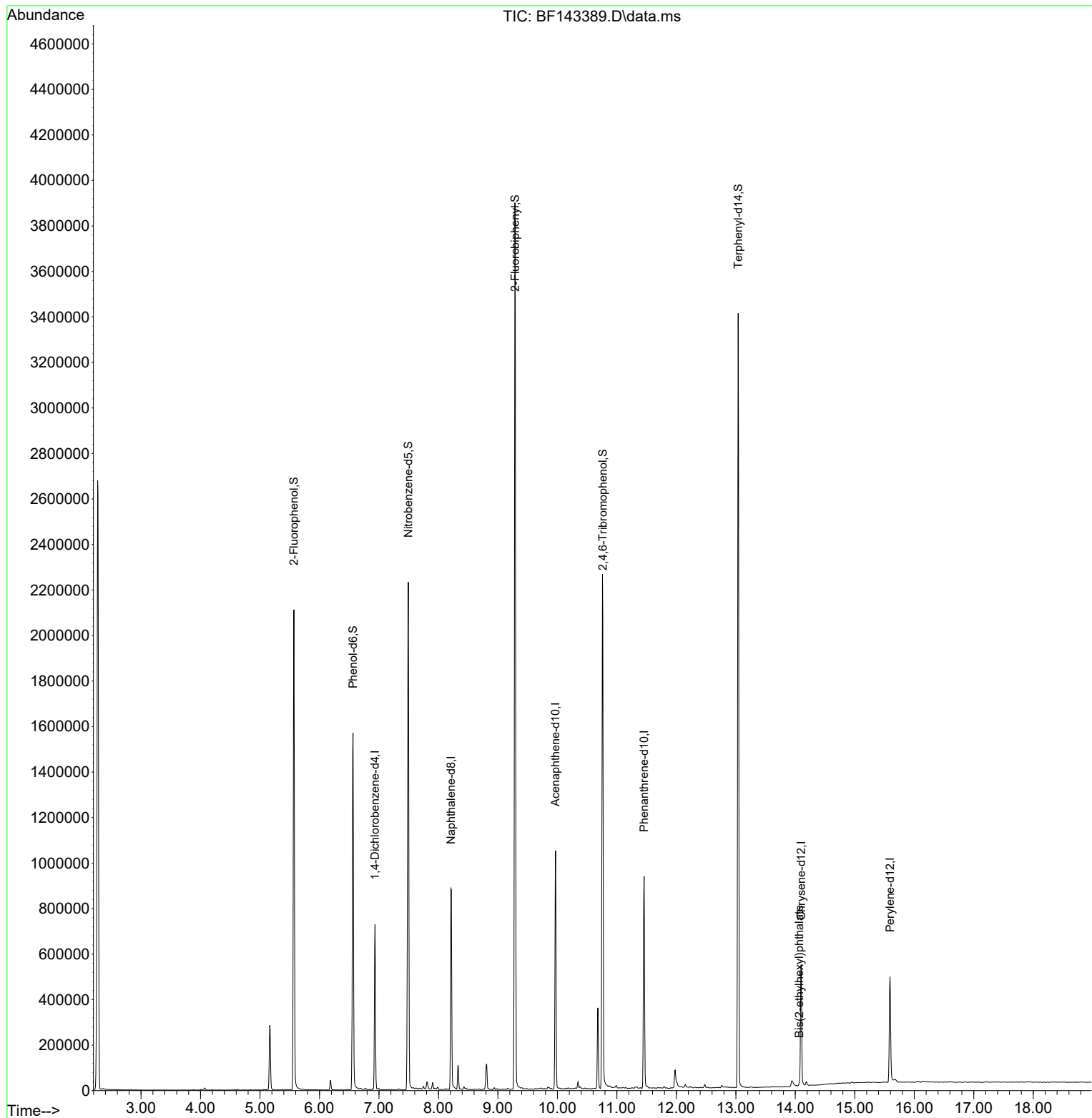
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	150098	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	582588	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	311951	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	484675	20.000	ng	0.00
76) Chrysene-d12	14.098	240	273593	20.000	ng	0.00
86) Perylene-d12	15.592	264	288235	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	748380	86.220	ng	0.00
7) Phenol-d6	6.563	99	731242	65.695	ng	0.00
23) Nitrobenzene-d5	7.492	82	1046655	111.878	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	430533	188.846	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1797454	97.709	ng	0.00
79) Terphenyl-d14	13.039	244	1682318	109.780	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.069	149	6415	4.871	ng	98

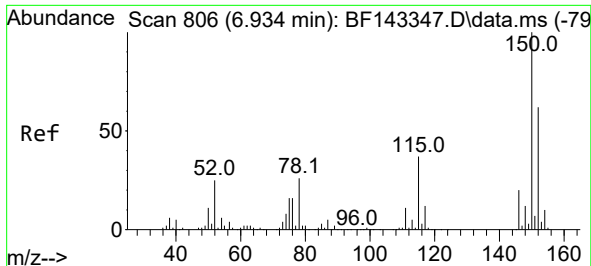
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

Quant Time: Aug 15 01:46:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

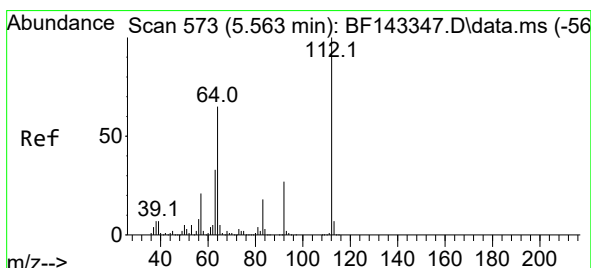
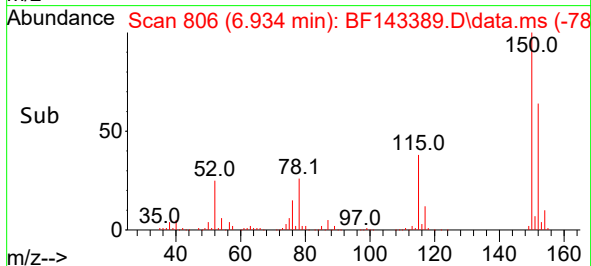
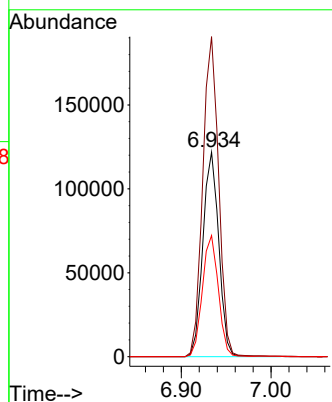
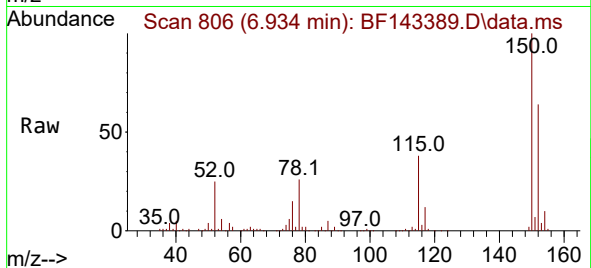




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

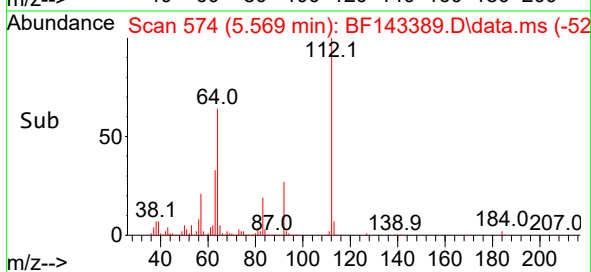
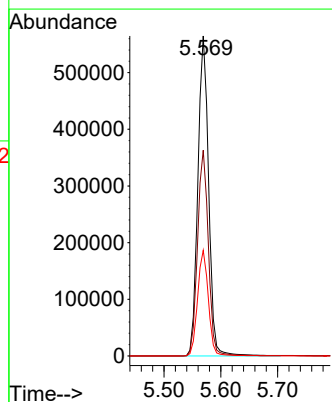
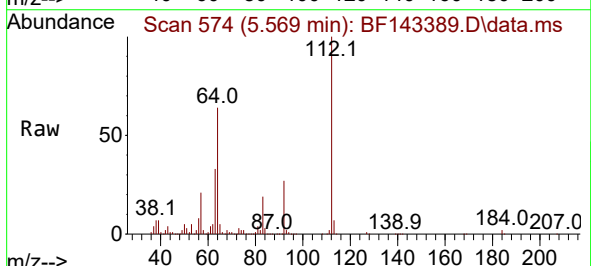
Instrument :
BNA_F
ClientSampleId :
TW-38M-S

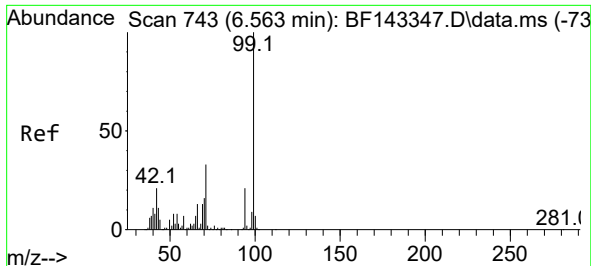
Tgt Ion:152 Resp: 150098
Ion Ratio Lower Upper
152 100
150 156.5 129.8 194.8
115 59.3 47.8 71.8



#5
2-Fluorophenol
Concen: 86.220 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion:112 Resp: 748380
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 33.0 26.6 39.8

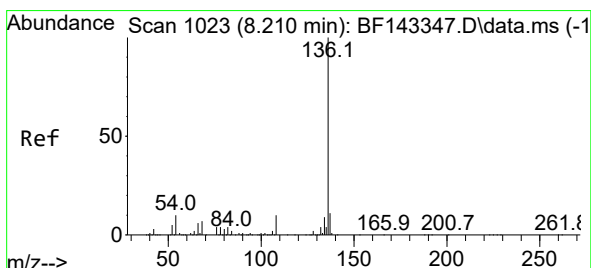
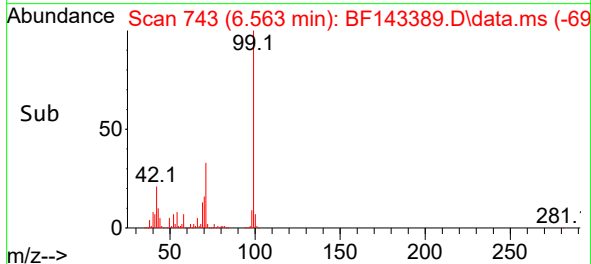
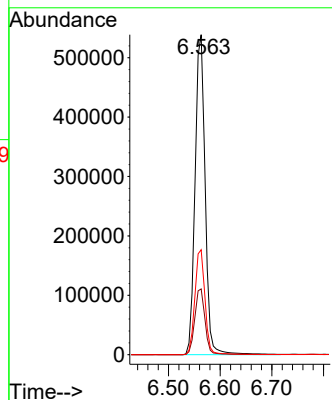
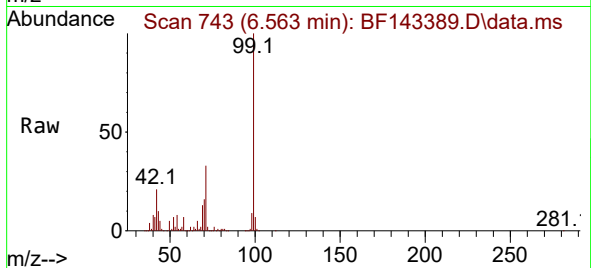




#7
Phenol-d6
Concen: 65.695 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

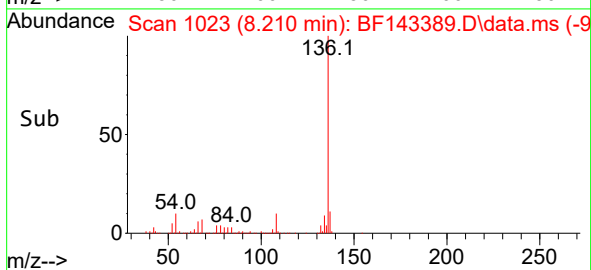
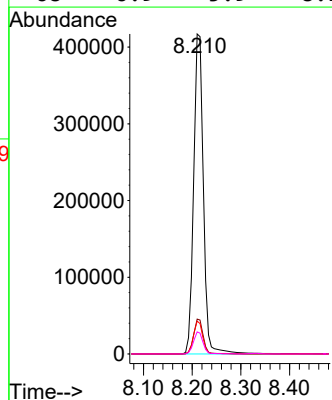
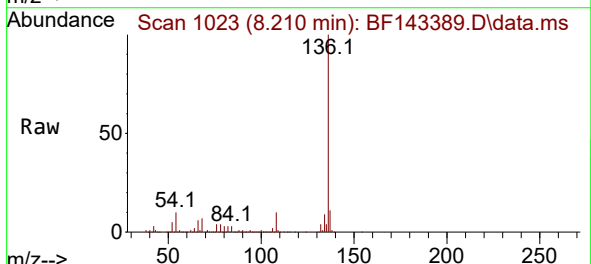
Instrument :
BNA_F
ClientSampleId :
TW-38M-S

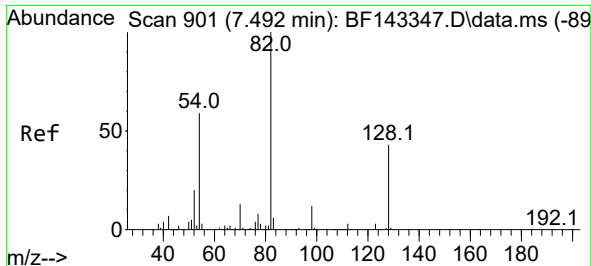
Tgt Ion: 99 Resp: 731242
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 32.8 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion: 136 Resp: 582588
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.2 8.4 12.6
68 6.9 5.9 8.9





#23

Nitrobenzene-d5

Concen: 111.878 ng

RT: 7.492 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143389.D

Acq: 14 Aug 2025 18:56

Instrument :

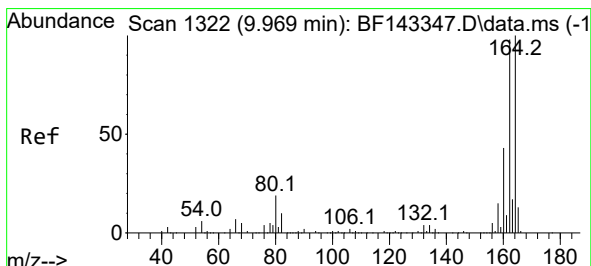
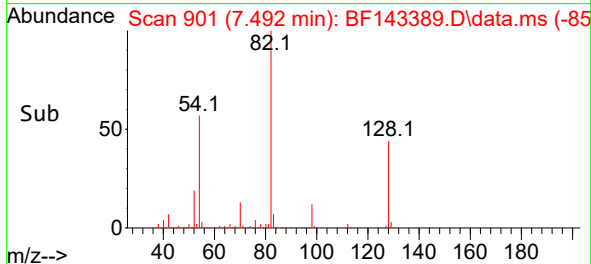
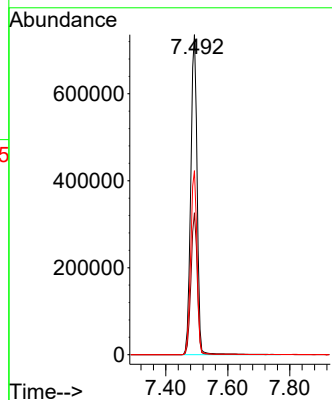
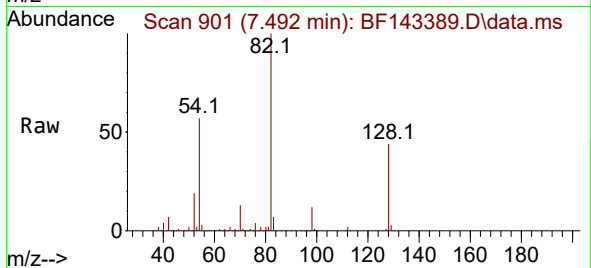
BNA_F

ClientSampleId :

TW-38M-S

Tgt Ion: 82 Resp: 1046655

Ion	Ratio	Lower	Upper
82	100		
128	44.3	33.5	50.3
54	57.5	46.7	70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

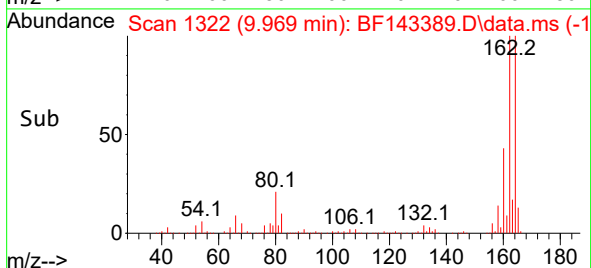
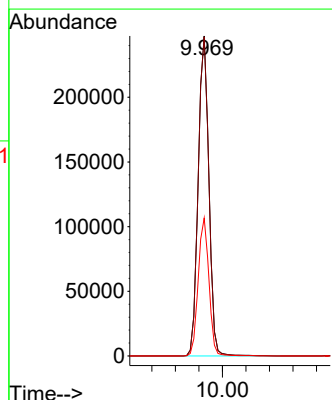
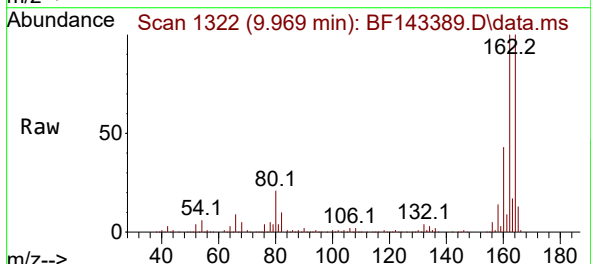
Delta R.T. -0.000 min

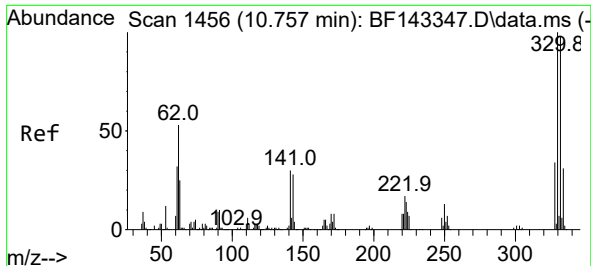
Lab File: BF143389.D

Acq: 14 Aug 2025 18:56

Tgt Ion: 164 Resp: 311951

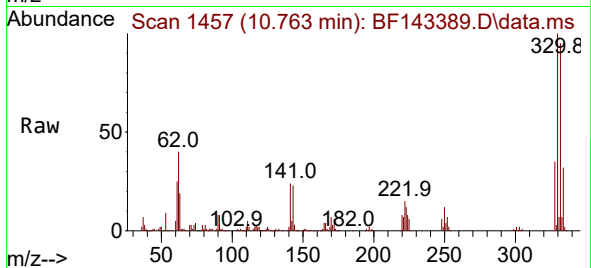
Ion	Ratio	Lower	Upper
164	100		
162	99.7	78.6	118.0
160	43.1	34.4	51.6



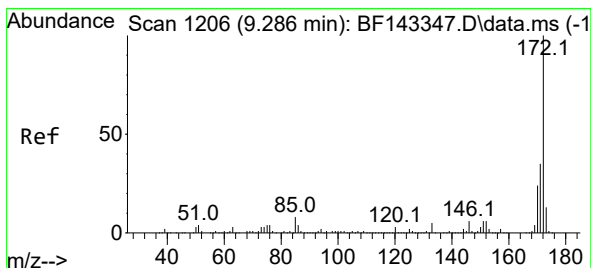
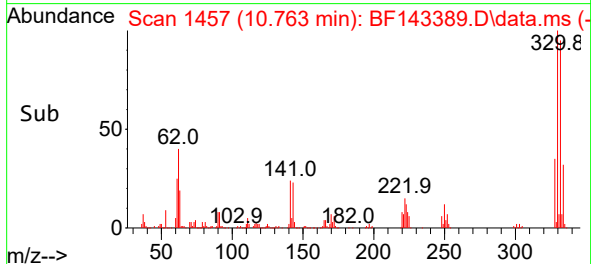
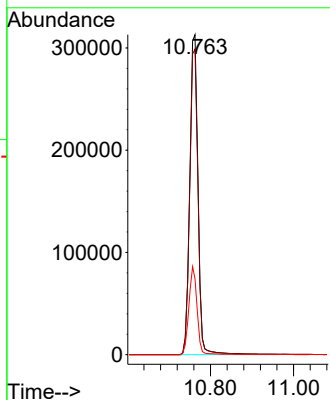


#42
2,4,6-Tribromophenol
Concen: 188.846 ng
RT: 10.763 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

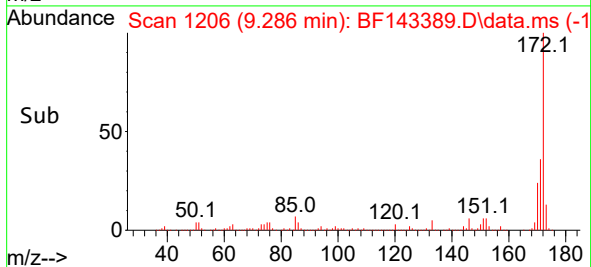
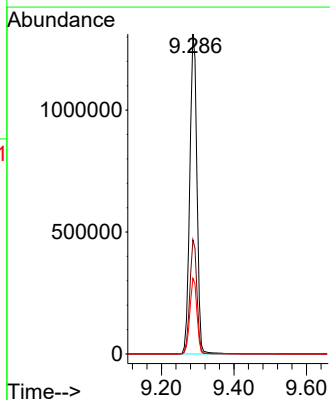
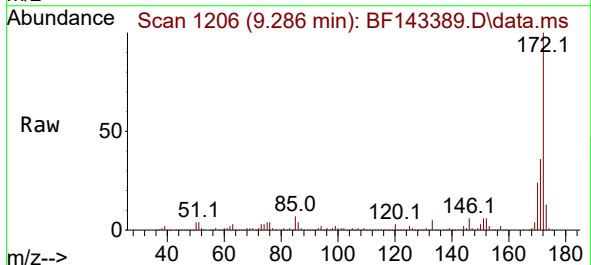


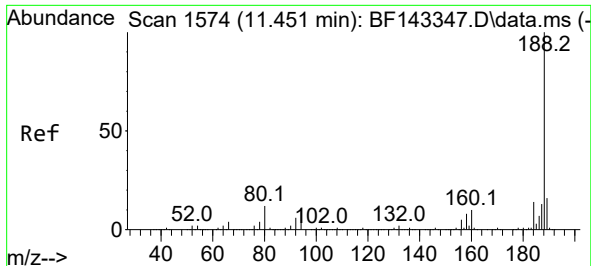
Tgt Ion:330 Resp: 430533
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 27.4 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 97.709 ng
RT: 9.286 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion:172 Resp: 1797454
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.7 19.1 28.7

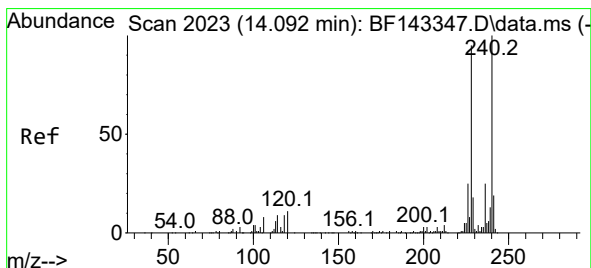
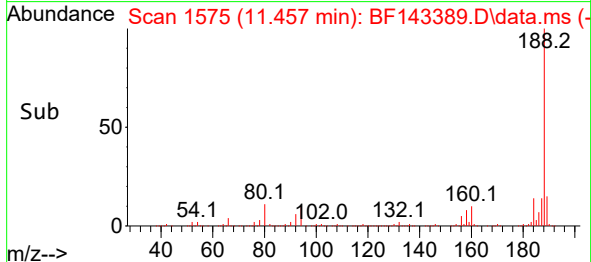
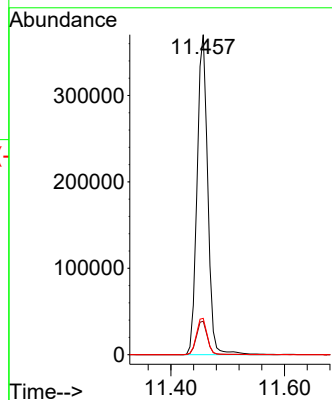
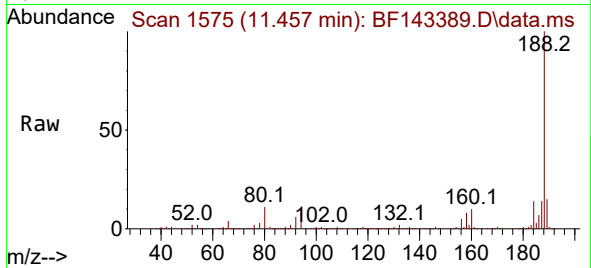




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

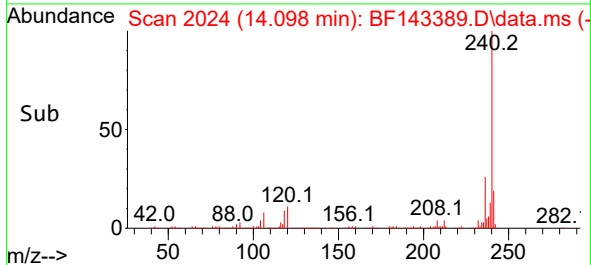
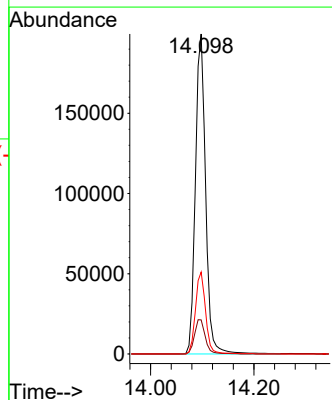
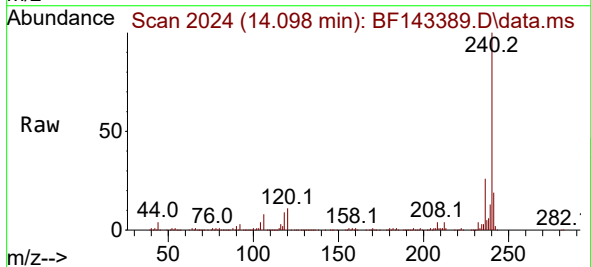
Instrument :
BNA_F
ClientSampleId :
TW-38M-S

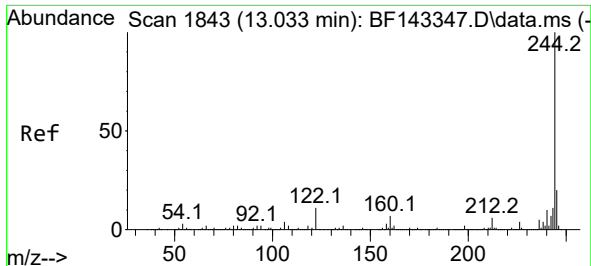
Tgt Ion:188 Resp: 484675
Ion Ratio Lower Upper
188 100
94 10.4 8.8 13.2
80 11.4 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion:240 Resp: 273593
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.6
236 25.6 19.9 29.9

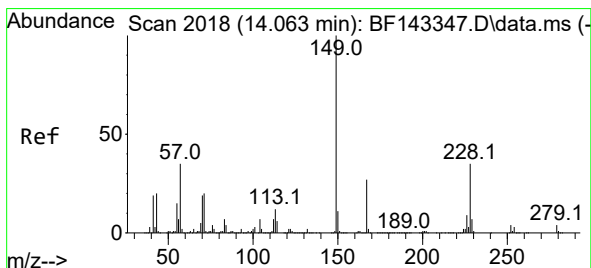
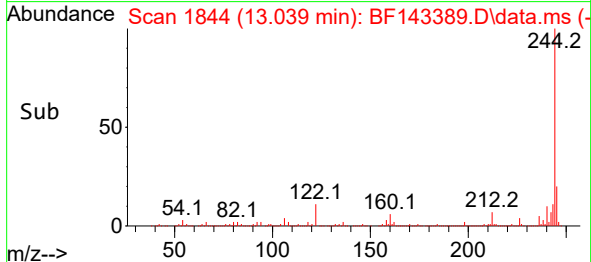
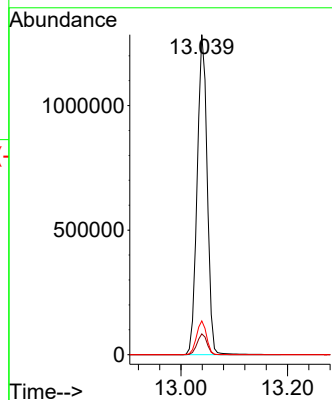
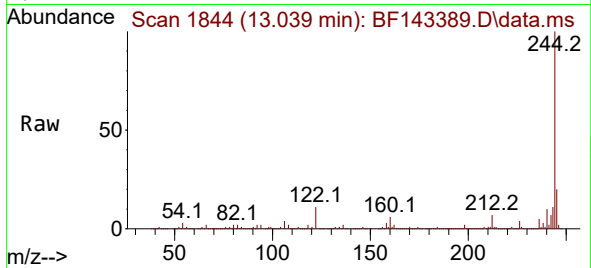




#79
 Terphenyl-d14
 Concen: 109.780 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143389.D
 Acq: 14 Aug 2025 18:56

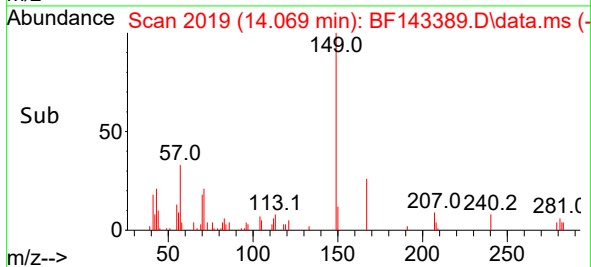
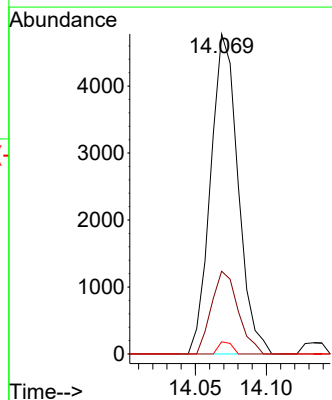
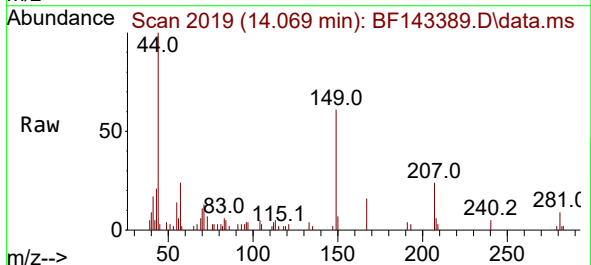
Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-S

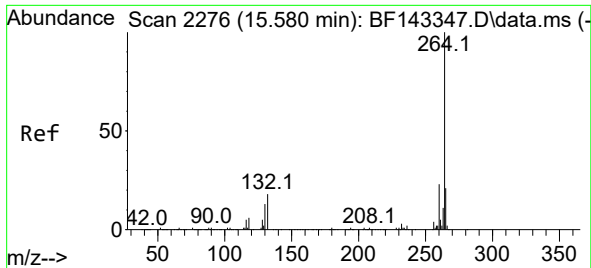
Tgt Ion:244 Resp: 1682318
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 10.6 8.9 13.3



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.871 ng
 RT: 14.069 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF143389.D
 Acq: 14 Aug 2025 18:56

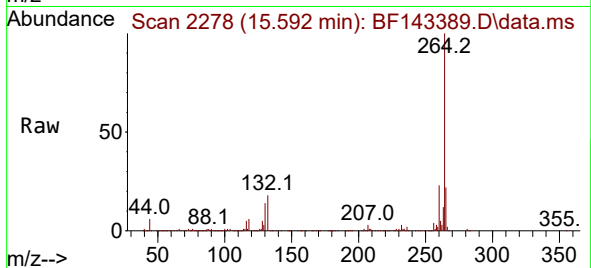
Tgt Ion:149 Resp: 6415
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.4 32.0
 279 3.8 3.2 4.8



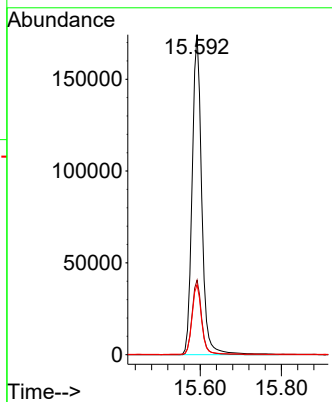
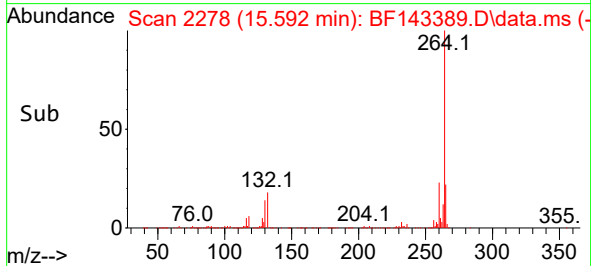


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143389.D
 Acq: 14 Aug 2025 18:56

Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-S



Tgt Ion:264	Resp: 288235
Ion Ratio	Lower Upper
264	100
260	23.3 18.7 28.1
265	21.9 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143389.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.269	4	13	24	rBV	2676032	4501205	85.59%	13.600%
2	5.163	498	505	525	rVB	284628	424661	8.08%	1.283%
3	5.569	568	574	595	rBV	2108798	2805065	53.34%	8.475%
4	6.187	673	679	686	rBV	41847	57802	1.10%	0.175%
5	6.563	737	743	761	rBV	1567276	2152821	40.94%	6.505%
6	6.934	801	806	813	rVB	724540	891255	16.95%	2.693%
7	7.492	894	901	906	rBV	2231081	3127968	59.48%	9.451%
8	7.804	950	954	965	rVB2	31412	53020	1.01%	0.160%
9	8.210	1018	1023	1039	rBV	882896	1238175	23.54%	3.741%
10	8.328	1039	1043	1056	rVB	106955	141613	2.69%	0.428%
11	8.804	1118	1124	1129	rBV2	110083	176128	3.35%	0.532%
12	9.286	1200	1206	1217	rBV	3895635	5258829	100.00%	15.889%
13	9.969	1316	1322	1330	rBV	1046329	1323442	25.17%	3.999%
14	10.681	1438	1443	1450	rBV	354400	443199	8.43%	1.339%
15	10.757	1450	1456	1473	rBV	2258310	3111263	59.16%	9.401%
16	11.457	1569	1575	1582	rBV	932030	1217295	23.15%	3.678%
17	11.980	1658	1664	1678	rBV3	76755	167391	3.18%	0.506%
18	13.039	1838	1844	1849	rBV	3402126	4419877	84.05%	13.355%
19	13.945	1992	1998	2009	rBV2	25004	73592	1.40%	0.222%
20	14.098	2015	2024	2034	rBV	532282	749495	14.25%	2.265%
21	15.592	2272	2278	2287	rBV	464173	762157	14.49%	2.303%

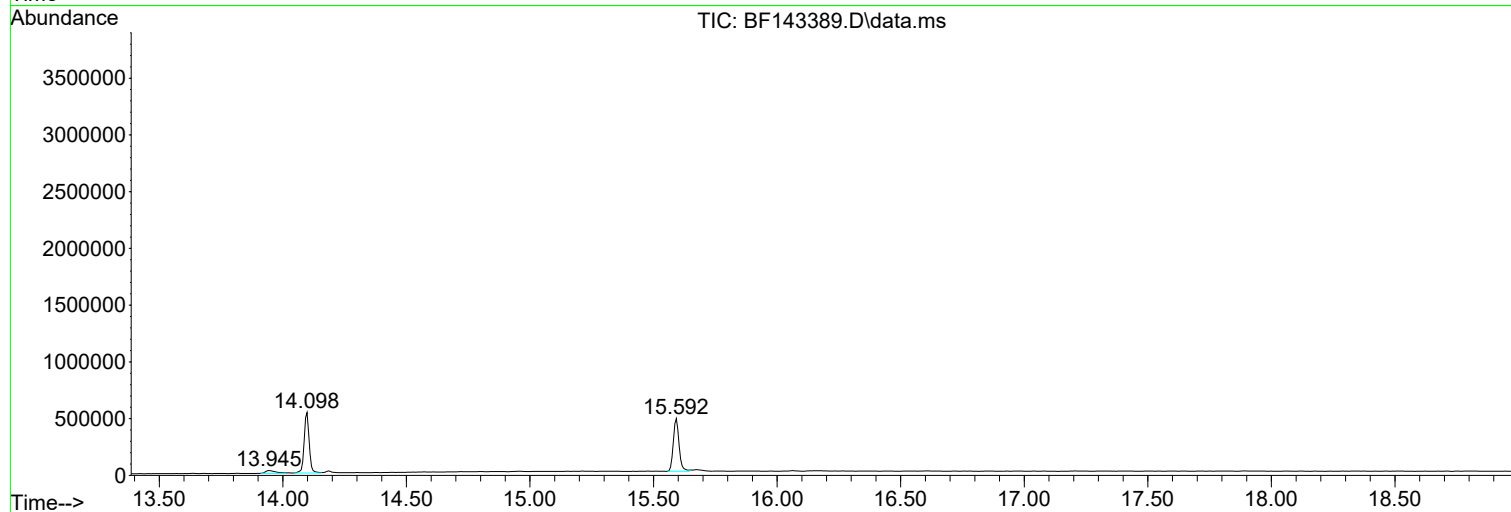
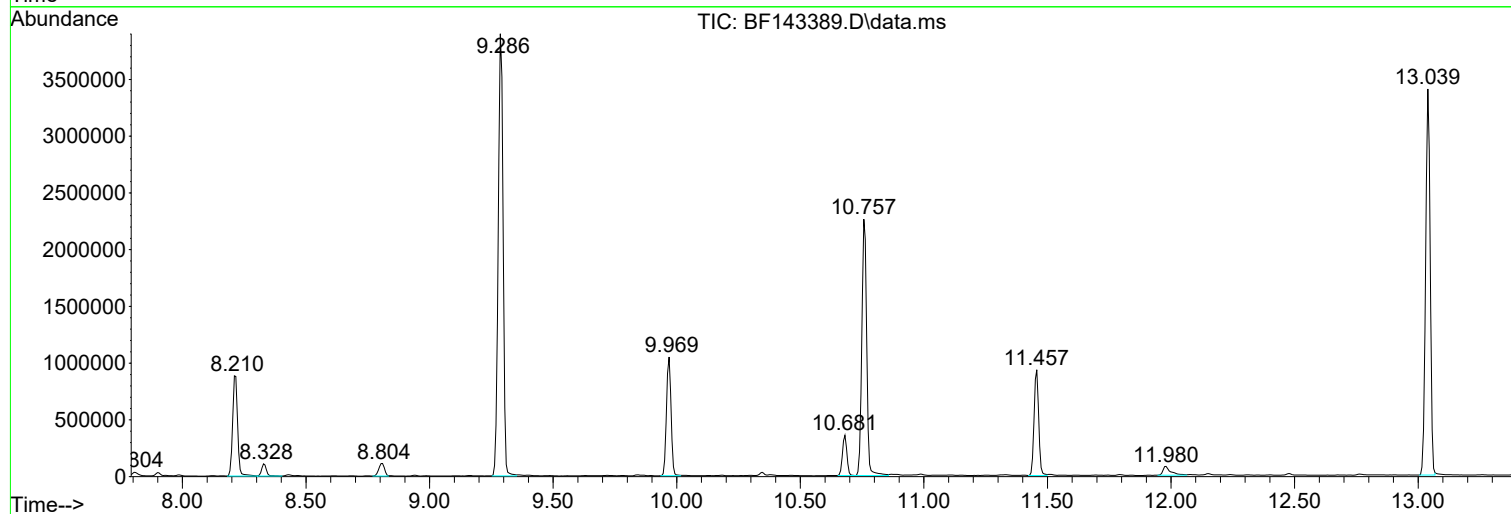
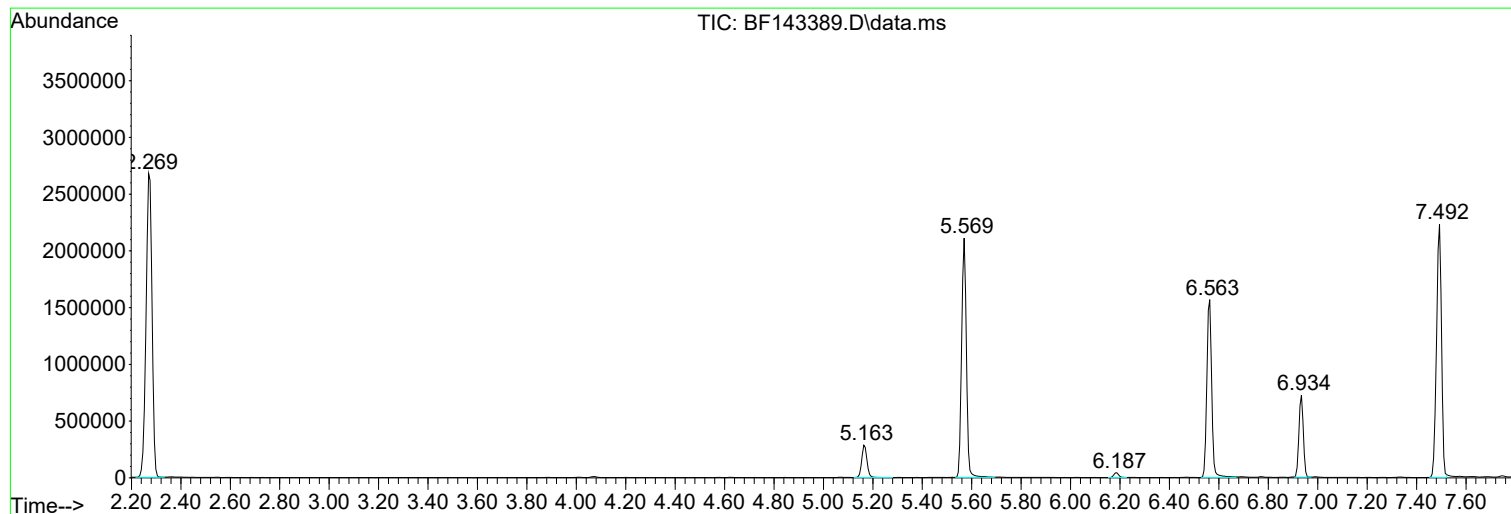
Sum of corrected areas: 33096253

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

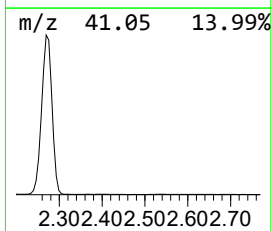
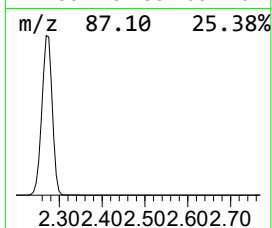
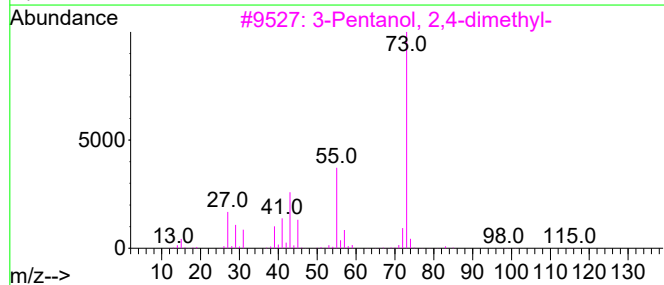
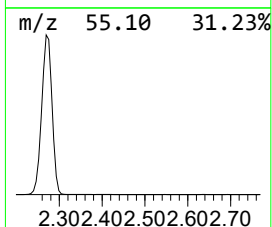
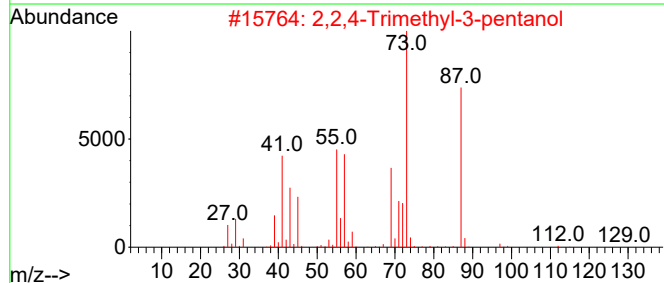
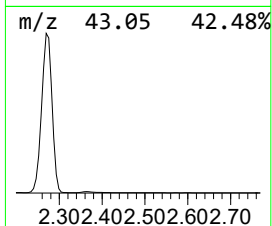
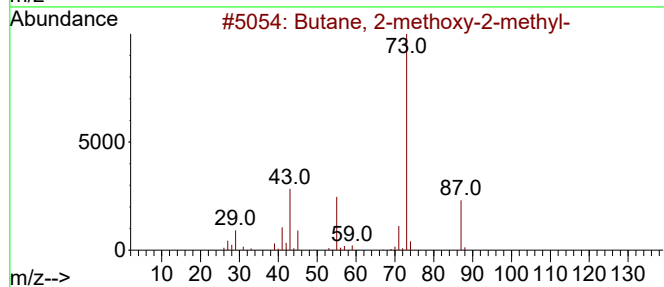
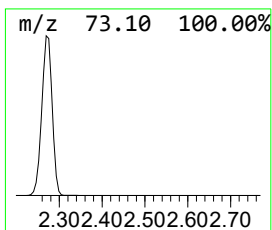
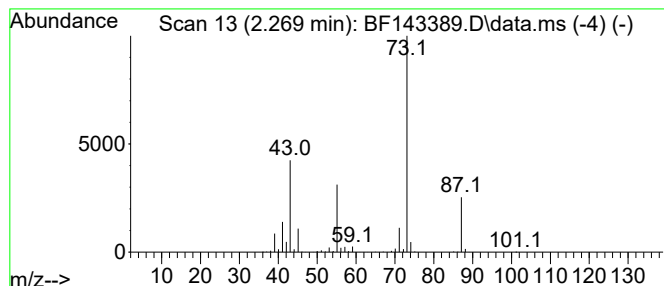
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.269	101.01 ng	4501210	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

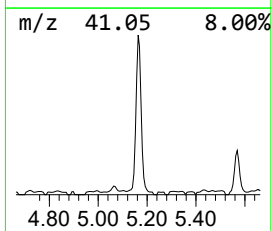
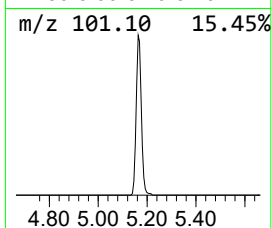
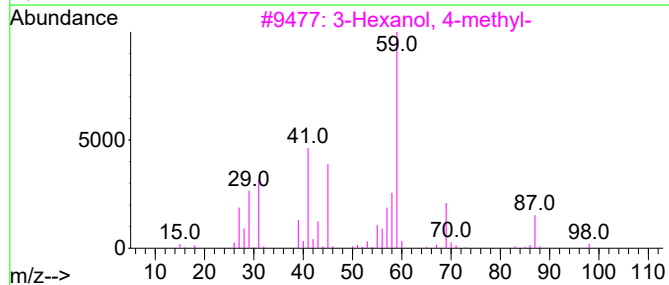
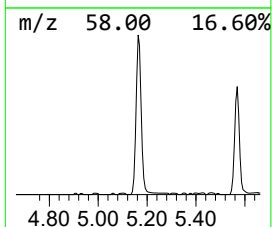
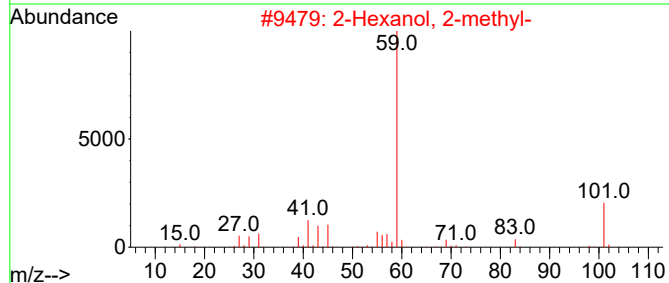
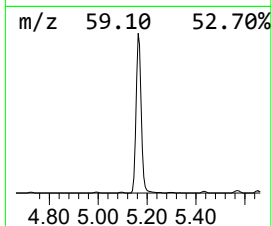
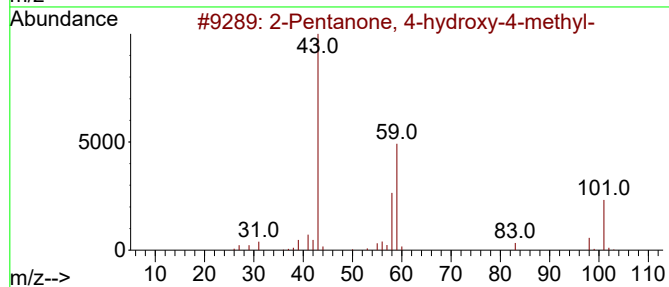
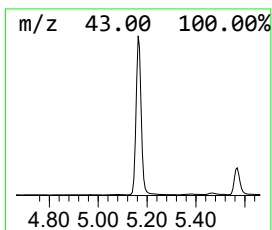
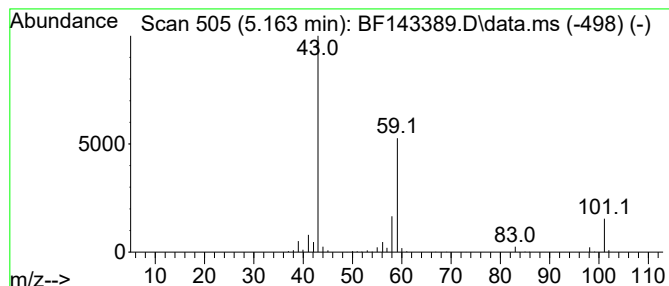
Instrument :
BNA_F
ClientSampleId :
TW-38M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.163	9.53 ng	424661	1,4-Dichlorobenzene-d4			6.934
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	64
2	2-Hexanol, 2-methyl-		116	C7H16O	000625-23-0	33
3	3-Hexanol, 4-methyl-		116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...		141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate		100	C5H8O2	000108-22-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

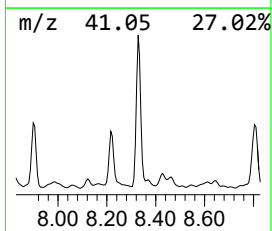
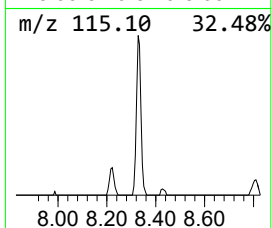
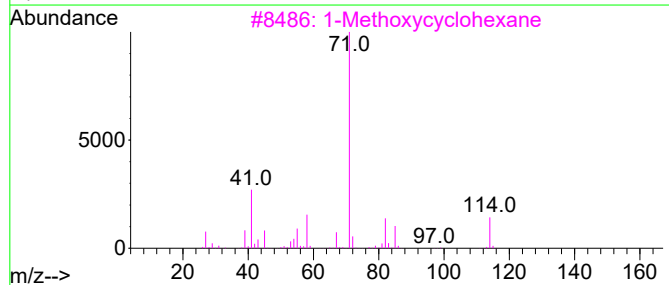
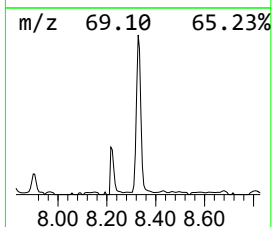
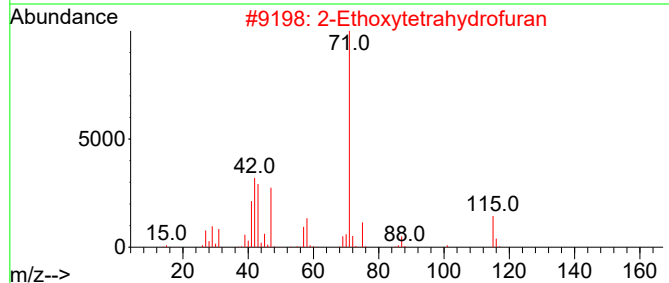
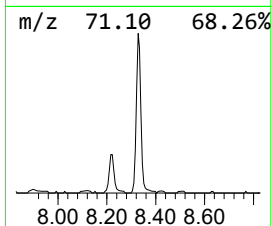
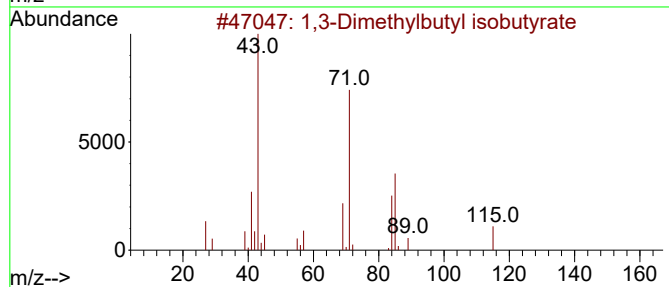
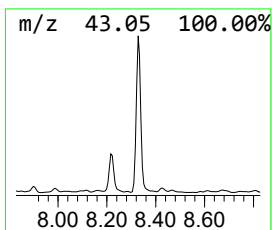
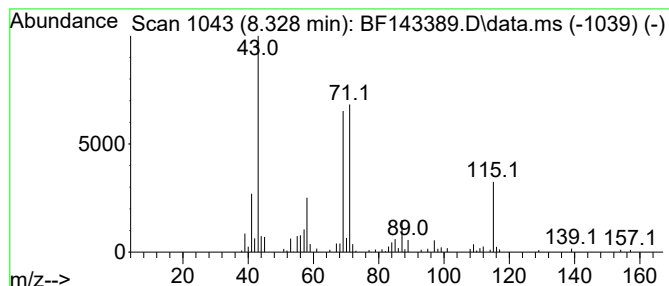
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown8.328 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.328	2.29 ng	141613	Naphthalene-d8	8.210

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3-Dimethylbutyl isobutyrate	172	C10H20O2	1000429-31-6	35
2		2-Ethoxytetrahydrofuran	116	C6H12O2	013436-46-9	35
3		1-Methoxycyclohexane	114	C7H14O	000931-56-6	35
4		3,3-Dimethyl-2,4-pentane dione	128	C7H12O2	003142-58-3	35
5		trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

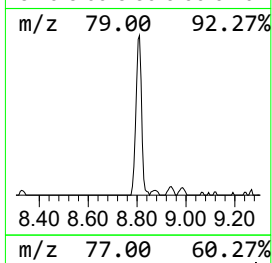
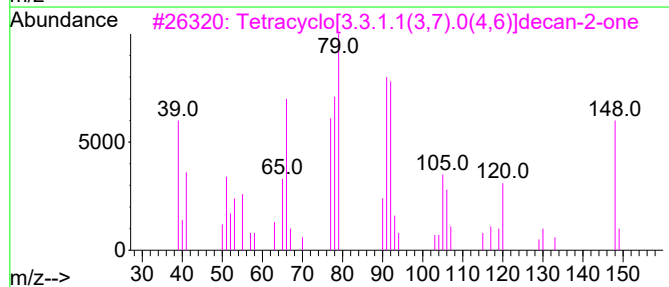
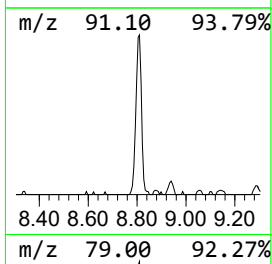
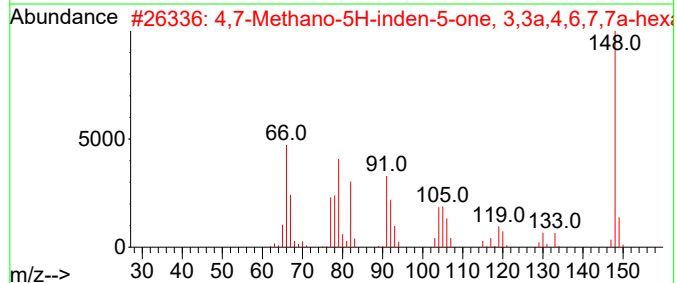
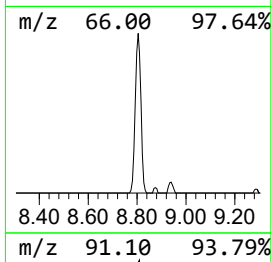
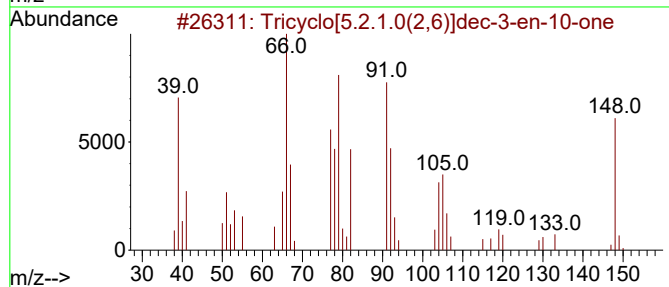
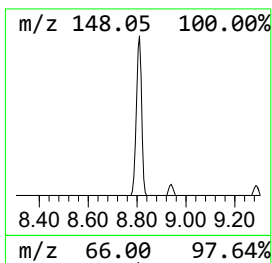
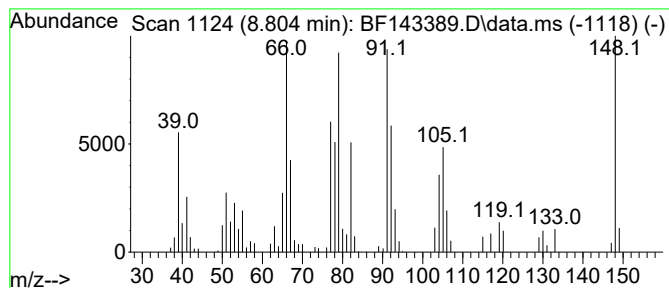
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tricyclo[5.2.1.0(2,6)]dec-3... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.804	2.84 ng	176128	Naphthalene-d8	8.210

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[5.2.1.0(2,6)]dec-3-en-1...	148	C10H12O	1000289-10-5	98
2			4,7-Methano-5H-inden-5-one, 3,3a...	148	C10H12O	014888-58-5	97
3			Tetracyclo[3.3.1.1(3,7).0(4,6)]d...	148	C10H12O	052750-53-5	72
4			1H-Indene, 3a,4,7,7a-tetrahydro-	120	C9H12	003048-65-5	50
5			1H-Indene, 3a,4,7,7a-tetrahydro-...	120	C9H12	066563-20-0	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

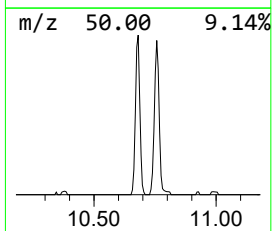
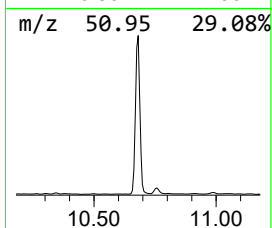
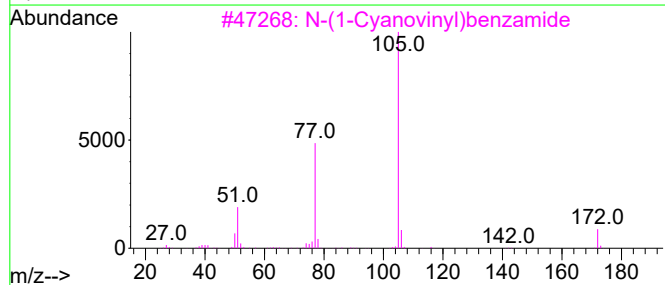
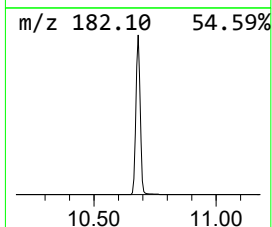
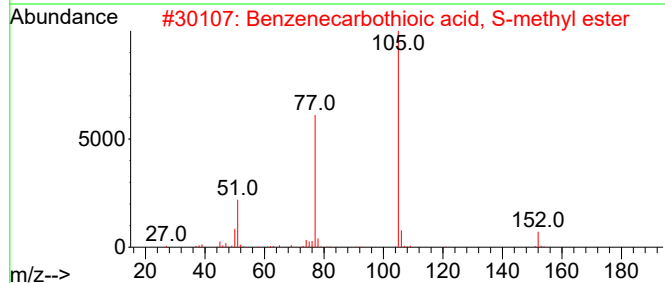
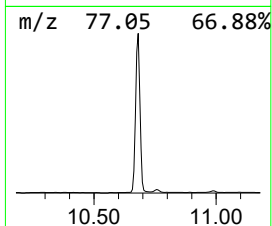
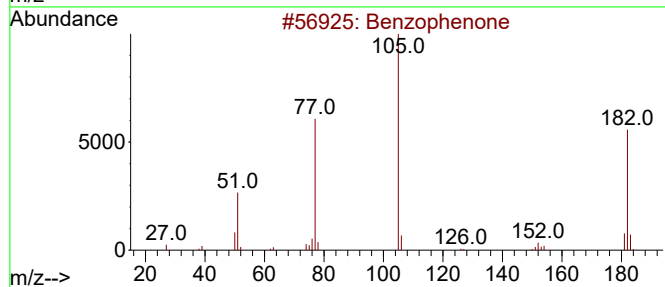
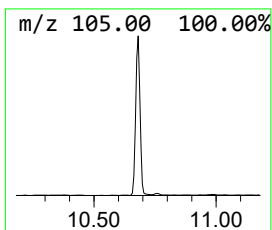
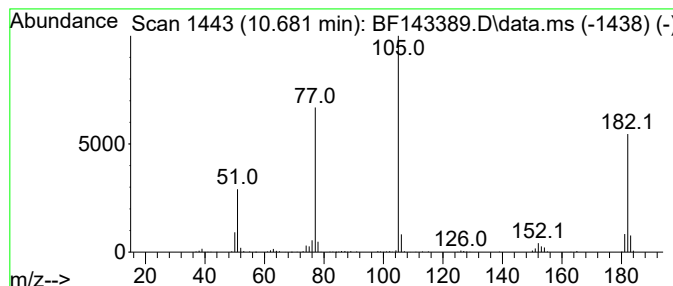
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	6.70 ng	443199	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
3			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	50
4			Benzenecarbothioic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	50
5			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

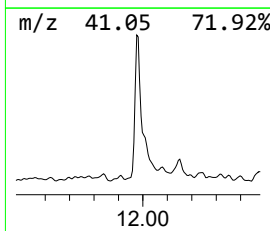
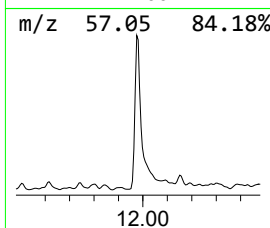
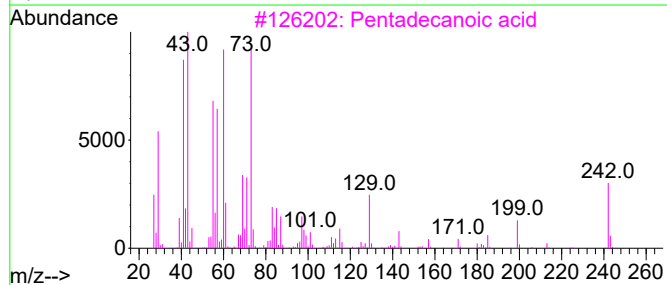
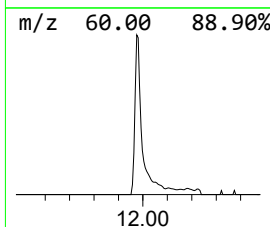
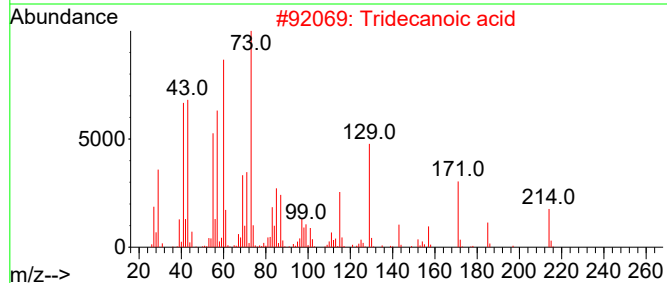
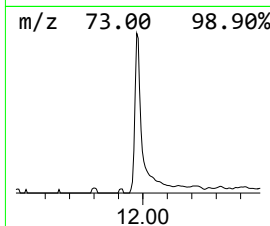
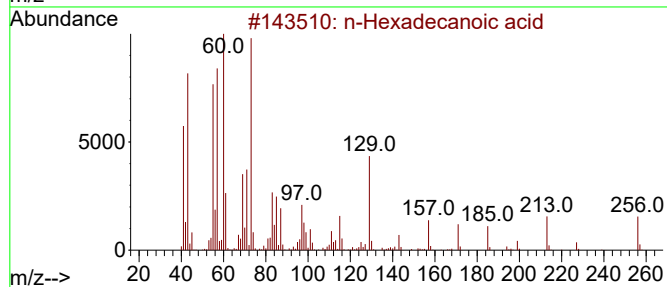
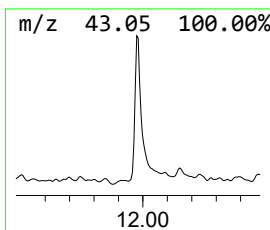
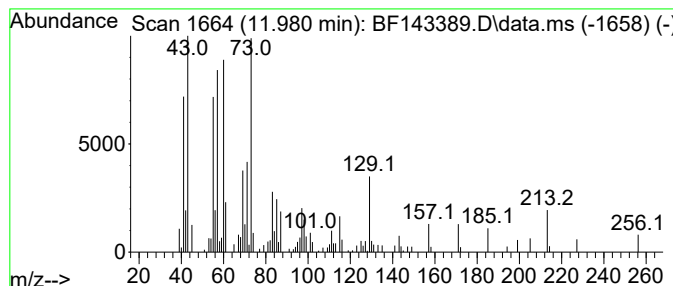
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	2.75 ng	167391	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			Oxalic acid, dodecyl propyl ester	300	C17H32O4	1000309-26-5	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143389.D
Acq On : 14 Aug 2025 18:56
Operator : RC/JU
Sample : Q2814-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-38M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.269	101.0	ng	4501210	1	6.934	891255	20.0
2-Pentanone, 4-...	5.163	9.5	ng	424661	1	6.934	891255	20.0
unknown8.328	8.328	2.3	ng	141613	2	8.210	1238180	20.0
Tricyclo[5.2.1....	8.804	2.8	ng	176128	2	8.210	1238180	20.0
Benzophenone	10.681	6.7	ng	443199	3	9.969	1323440	20.0
n-Hexadecanoic ...	11.980	2.8	ng	167391	4	11.457	1217300	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-12	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143390.D	1	08/12/25 09:55	08/14/25 19:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-12	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143390.D	1	08/12/25 09:55	08/14/25 19:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-12	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143390.D	1	08/12/25 09:55	08/14/25 19:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	91.3		19 - 119	61%	SPK: 150
13127-88-3	Phenol-d6	76.4		10 - 130	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		44 - 120	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.0		44 - 119	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	180		43 - 140	120%	SPK: 150
1718-51-0	Terphenyl-d14	105		50 - 134	105%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	144000	6.934
1146-65-2	Naphthalene-d8	559000	8.21
15067-26-2	Acenaphthene-d10	296000	9.969
1517-22-2	Phenanthrene-d10	448000	11.457
1719-03-5	Chrysene-d12	265000	14.098
1520-96-3	Perylene-d12	302000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	79.8	JB	2.30	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.80	AB	5.17	ug/L
000119-61-9	Benzophenone	12.4	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	8.70	J	12.0	ug/L
1000406-04-8	Pentadecafluorooctanoic acid, octa	5.70	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-12	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143390.D	1	08/12/25 09:55	08/14/25 19:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

Quant Time: Aug 15 01:31:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	144335	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	558822	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	295912	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	447522	20.000	ng	0.00
76) Chrysene-d12	14.098	240	264789	20.000	ng	0.00
86) Perylene-d12	15.592	264	301869	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	761916	91.284	ng	0.01
7) Phenol-d6	6.563	99	818157	76.438	ng	0.00
23) Nitrobenzene-d5	7.492	82	951451	106.027	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	390230	180.446	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1656977	94.955	ng	0.00
79) Terphenyl-d14	13.039	244	1553100	104.718	ng	0.00

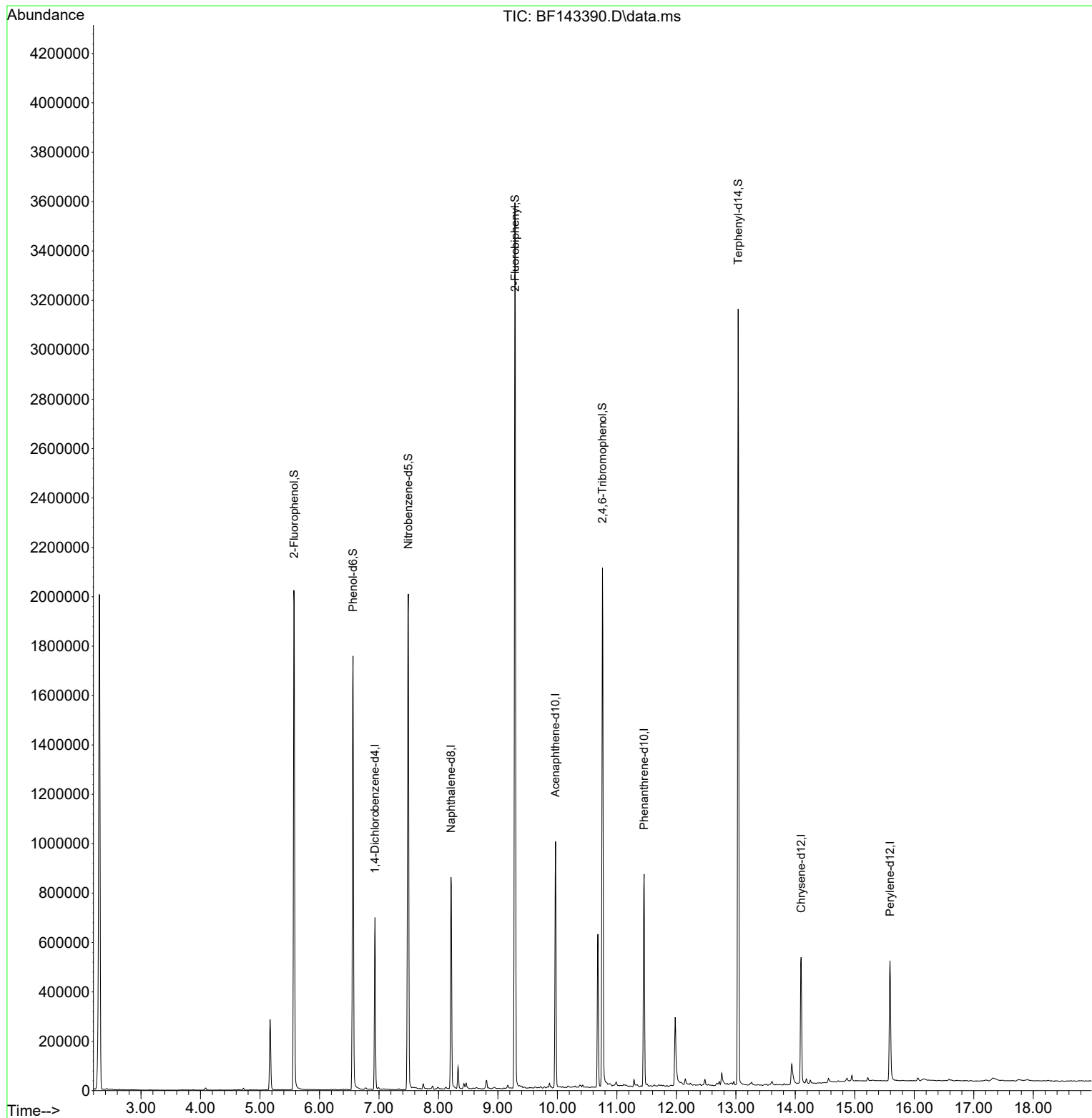
Target Compounds	Qvalue
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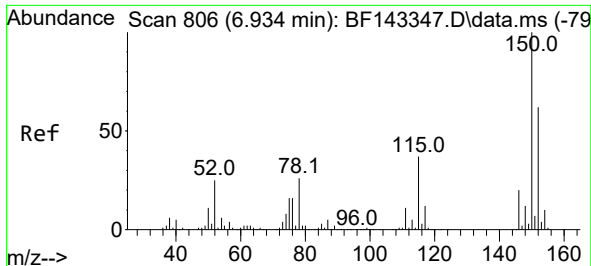
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

Quant Time: Aug 15 01:31:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

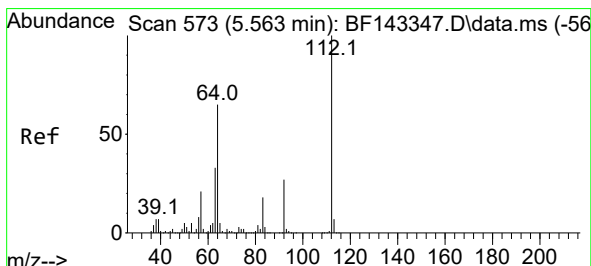
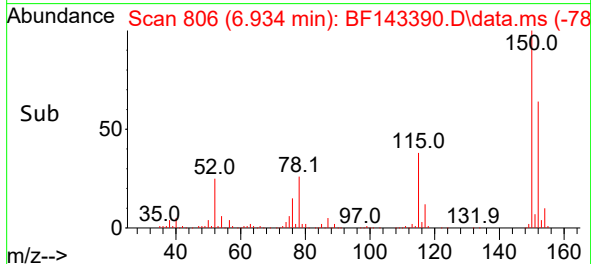
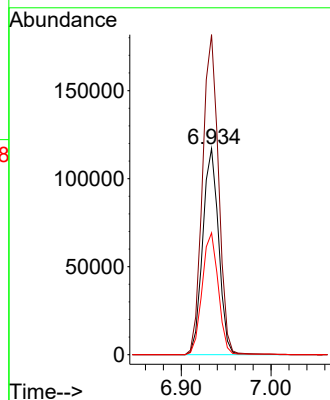
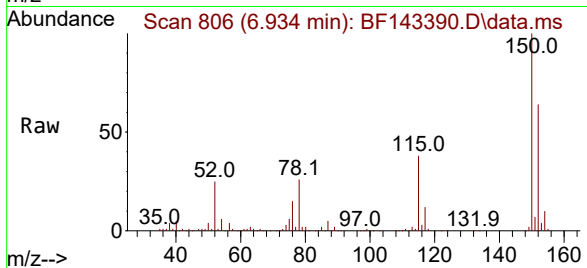




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143390.D
Acq: 14 Aug 2025 19:26

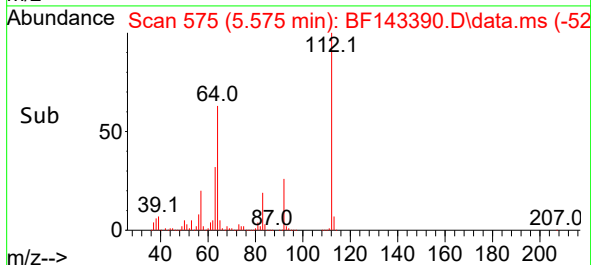
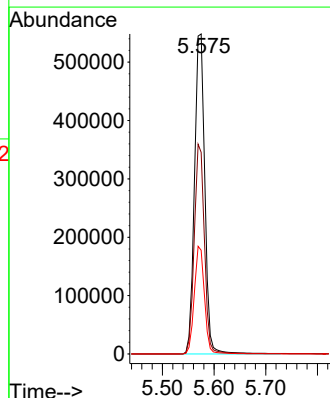
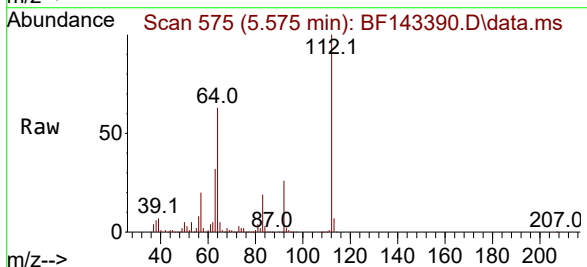
Instrument :
BNA_F
ClientSampleId :
TW-BP-S

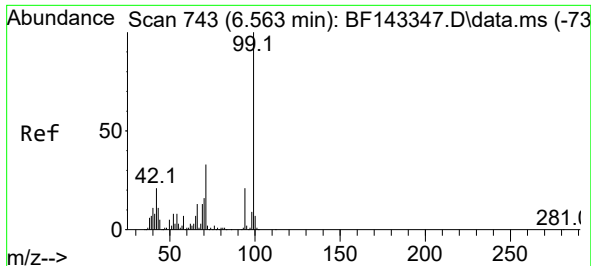
Tgt Ion:152 Resp: 144335
Ion Ratio Lower Upper
152 100
150 155.2 129.8 194.8
115 59.1 47.8 71.8



#5
2-Fluorophenol
Concen: 91.284 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143390.D
Acq: 14 Aug 2025 19:26

Tgt Ion:112 Resp: 761916
Ion Ratio Lower Upper
112 100
64 63.0 52.1 78.1
63 32.4 26.6 39.8

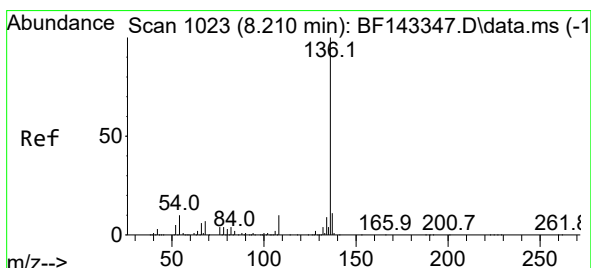
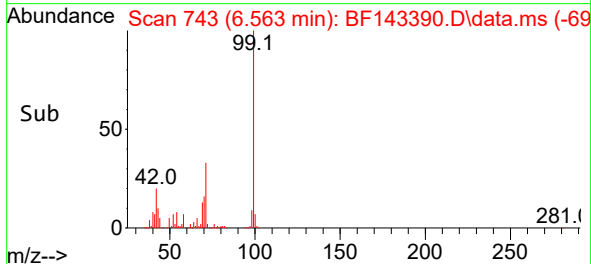
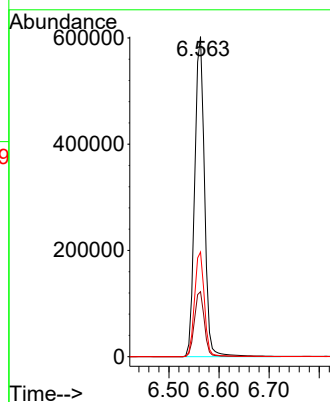
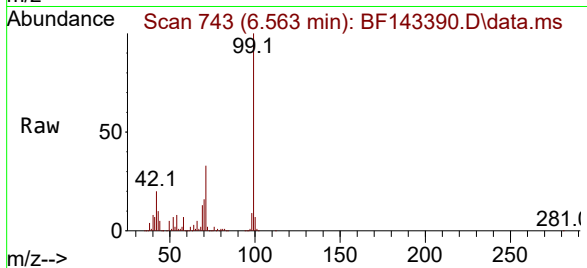




#7
Phenol-d6
Concen: 76.438 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143390.D
Acq: 14 Aug 2025 19:26

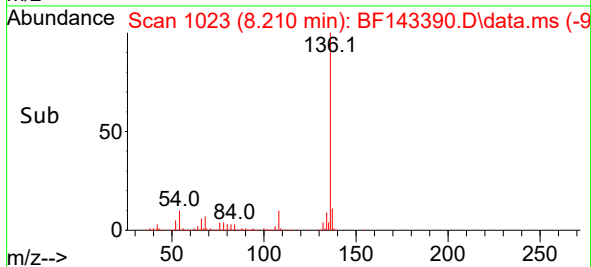
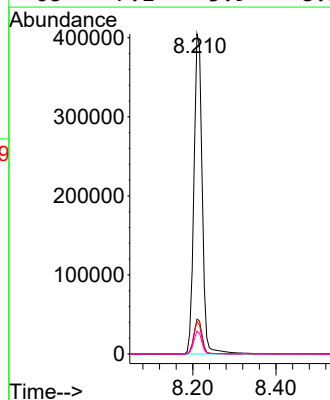
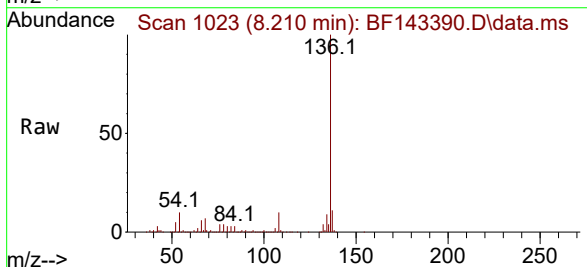
Instrument :
BNA_F
ClientSampleId :
TW-BP-S

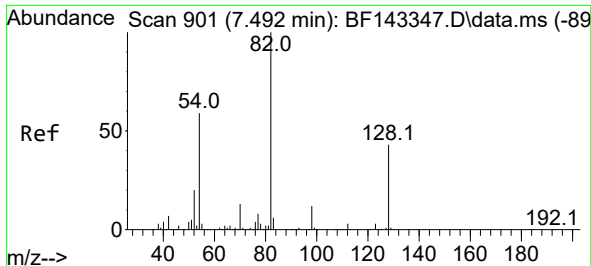
Tgt Ion: 99 Resp: 818157
Ion Ratio Lower Upper
99 100
42 20.3 16.6 25.0
71 32.7 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143390.D
Acq: 14 Aug 2025 19:26

Tgt Ion: 136 Resp: 558822
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.4 12.6
68 7.1 5.9 8.9





#23

Nitrobenzene-d5

Concen: 106.027 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143390.D

Acq: 14 Aug 2025 19:26

Instrument :

BNA_F

ClientSampleId :

TW-BP-S

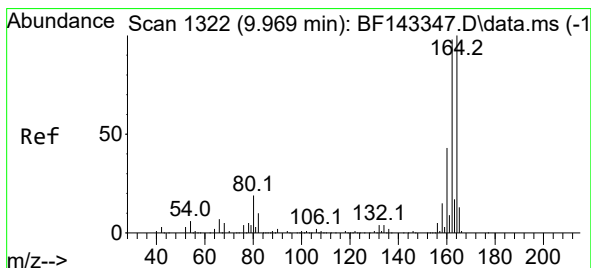
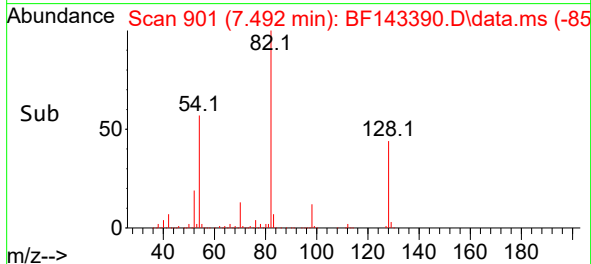
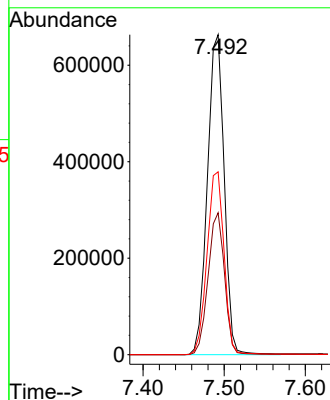
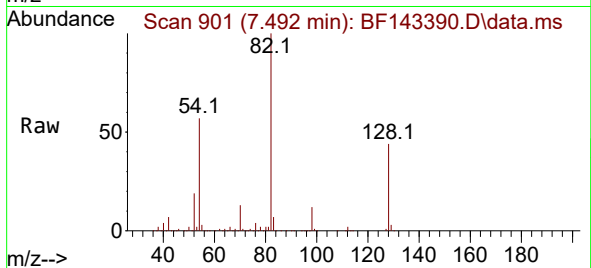
Tgt Ion: 82 Resp: 951451

Ion Ratio Lower Upper

82 100

128 44.4 33.5 50.3

54 57.1 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143390.D

Acq: 14 Aug 2025 19:26

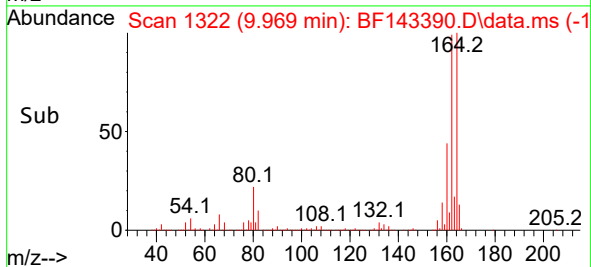
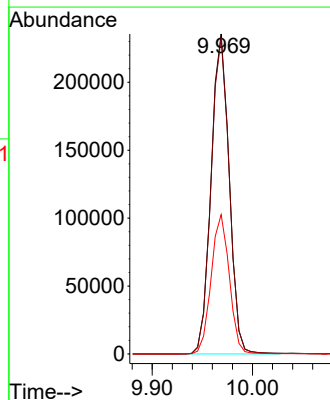
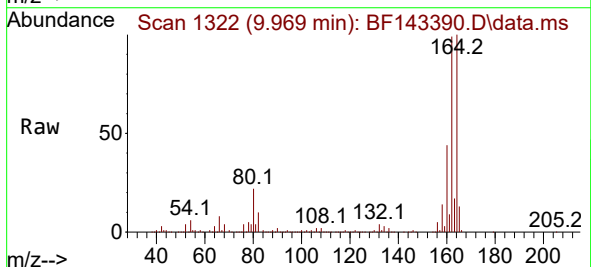
Tgt Ion: 164 Resp: 295912

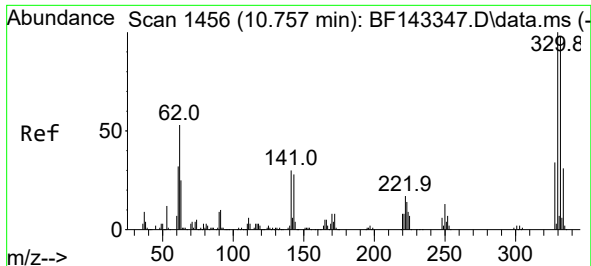
Ion Ratio Lower Upper

164 100

162 98.8 78.6 118.0

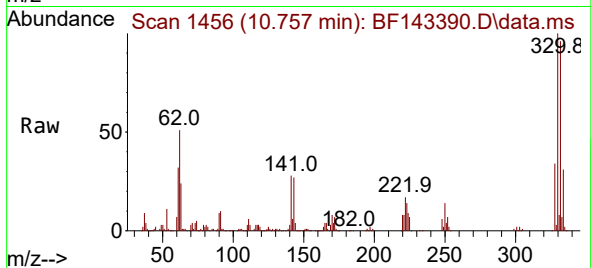
160 43.5 34.4 51.6



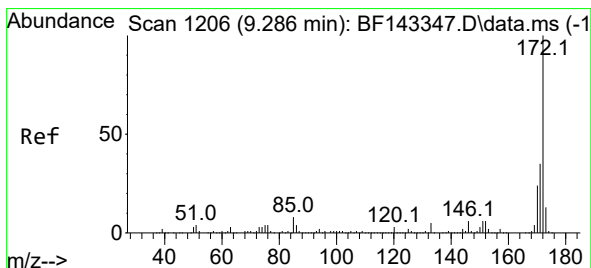
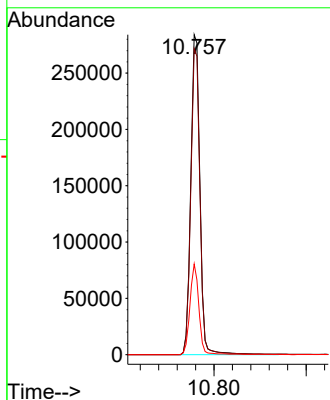
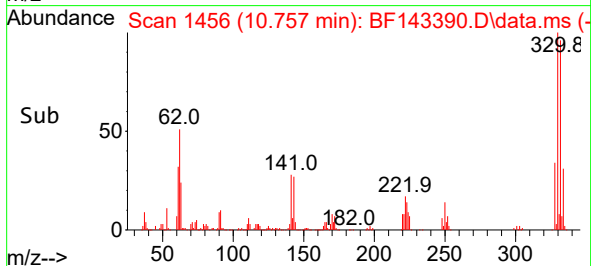


#42
2,4,6-Tribromophenol
Concen: 180.446 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143390.D
Acq: 14 Aug 2025 19:26

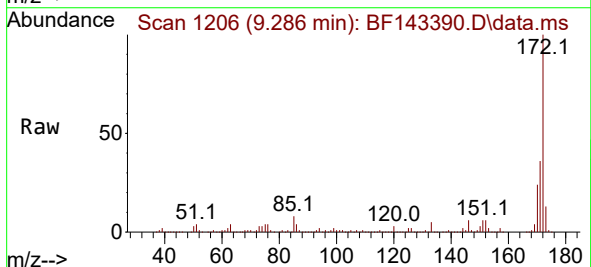
Instrument :
BNA_F
ClientSampleId :
TW-BP-S



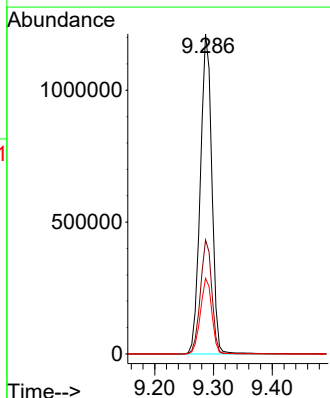
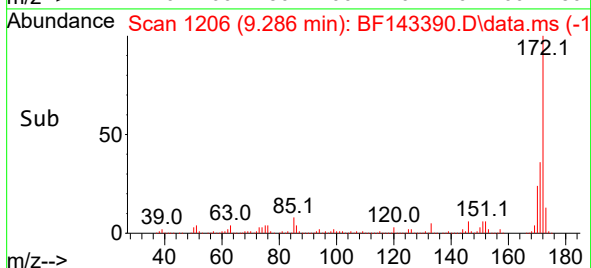
Tgt Ion:330 Resp: 390230
Ion Ratio Lower Upper
330 100
332 95.5 78.1 117.1
141 27.8 25.4 38.0

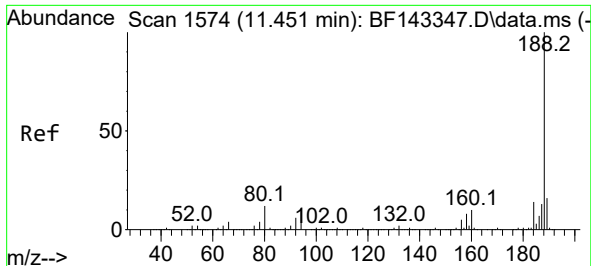


#45
2-Fluorobiphenyl
Concen: 94.955 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143390.D
Acq: 14 Aug 2025 19:26



Tgt Ion:172 Resp: 1656977
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.7 19.1 28.7

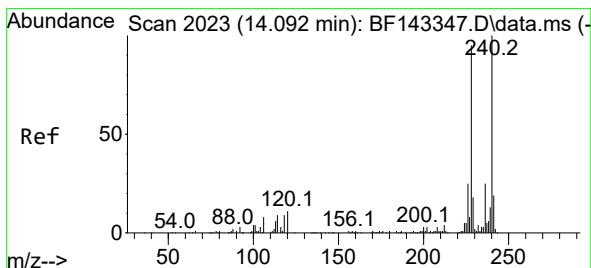
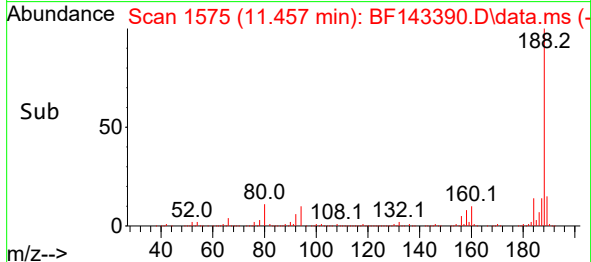
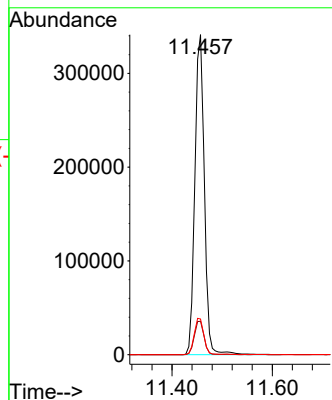
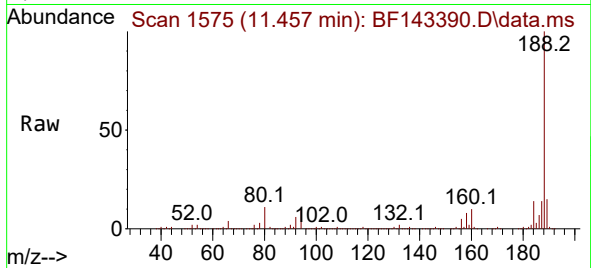




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143390.D
Acq: 14 Aug 2025 19:26

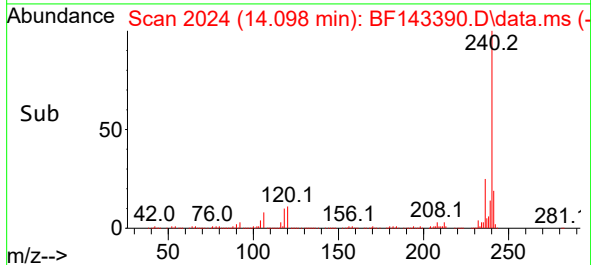
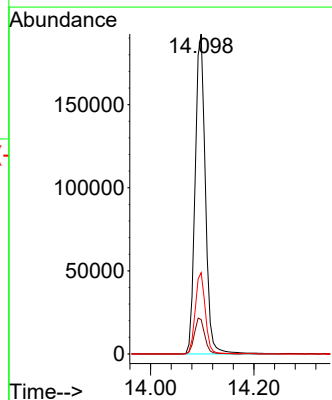
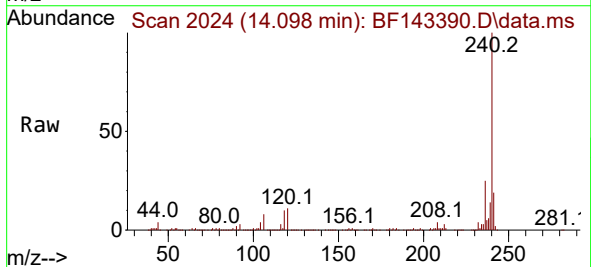
Instrument :
BNA_F
ClientSampleId :
TW-BP-S

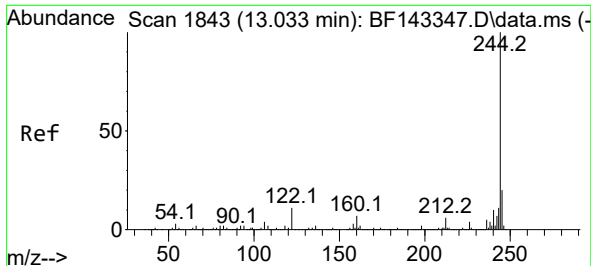
Tgt Ion:188 Resp: 447522
Ion Ratio Lower Upper
188 100
94 10.5 8.8 13.2
80 11.2 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143390.D
Acq: 14 Aug 2025 19:26

Tgt Ion:240 Resp: 264789
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 25.4 19.9 29.9

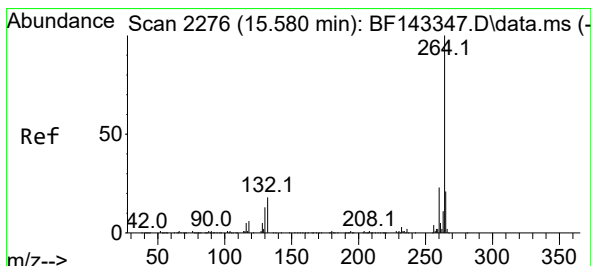
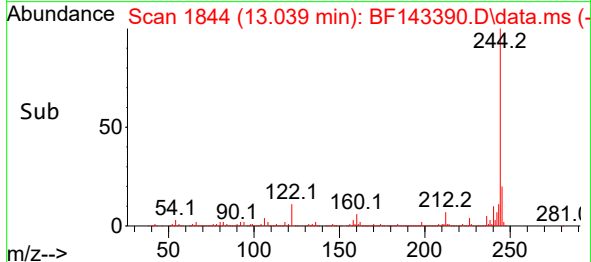
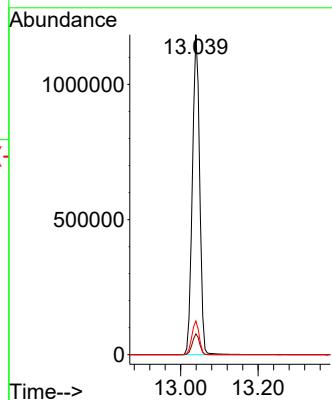
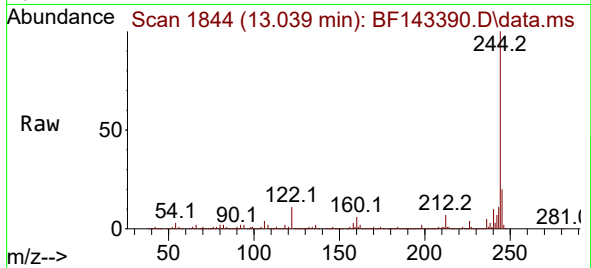




#79
 Terphenyl-d14
 Concen: 104.718 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143390.D
 Acq: 14 Aug 2025 19:26

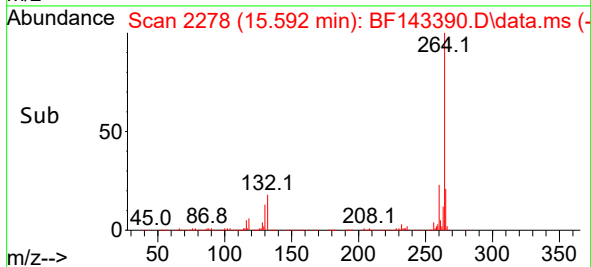
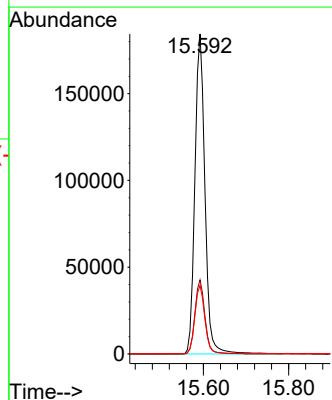
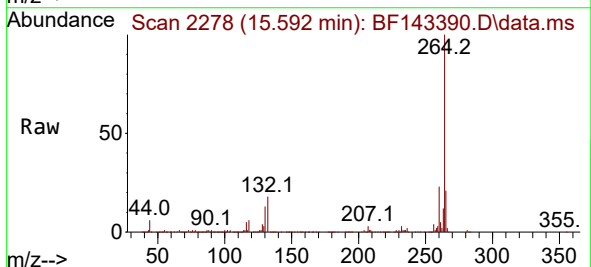
Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-S

Tgt Ion:244 Resp: 1553100
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 10.6 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143390.D
 Acq: 14 Aug 2025 19:26

Tgt Ion:264 Resp: 301869
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.4 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143390.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	7	18	32	rVB	2004595	3466951	71.76%	11.041%
2	5.169	499	506	523	rBV	285211	424611	8.79%	1.352%
3	5.569	569	574	605	rVB	2021991	2788493	57.71%	8.880%
4	6.563	737	743	769	rBV	1756478	2426143	50.21%	7.726%
5	6.934	801	806	813	rBV	696013	868937	17.98%	2.767%
6	7.492	894	901	906	rBV	2007209	2870814	59.42%	9.142%
7	8.210	1018	1023	1039	rBV	857155	1180318	24.43%	3.759%
8	8.328	1039	1043	1051	rVB	88687	116519	2.41%	0.371%
9	8.804	1115	1124	1129	rBV4	35141	62515	1.29%	0.199%
10	9.286	1200	1206	1211	rBV	3585798	4831625	100.00%	15.387%
11	9.969	1316	1322	1330	rBV	995967	1260925	26.10%	4.015%
12	10.680	1438	1443	1450	rBV	618886	778894	16.12%	2.480%
13	10.757	1450	1456	1472	rBV	2098809	2848542	58.96%	9.071%
14	11.457	1569	1575	1582	rBV	859932	1123085	23.24%	3.577%
15	11.980	1659	1664	1679	rBV2	275686	488121	10.10%	1.554%
16	12.763	1793	1797	1810	rBV	46183	88499	1.83%	0.282%
17	13.039	1838	1844	1849	rBV	3140127	4086714	84.58%	13.014%
18	13.939	1992	1997	2011	rBV	82018	196935	4.08%	0.627%
19	14.098	2019	2024	2035	rVB	509307	692523	14.33%	2.205%
20	15.592	2272	2278	2292	rBV	485734	800505	16.57%	2.549%

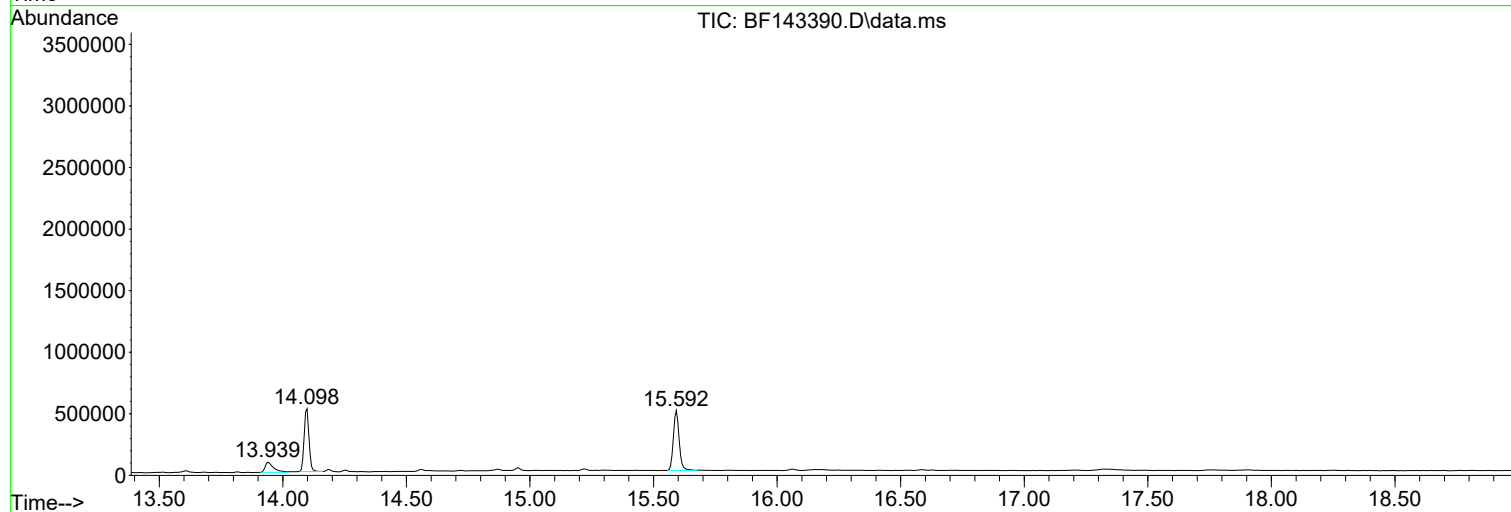
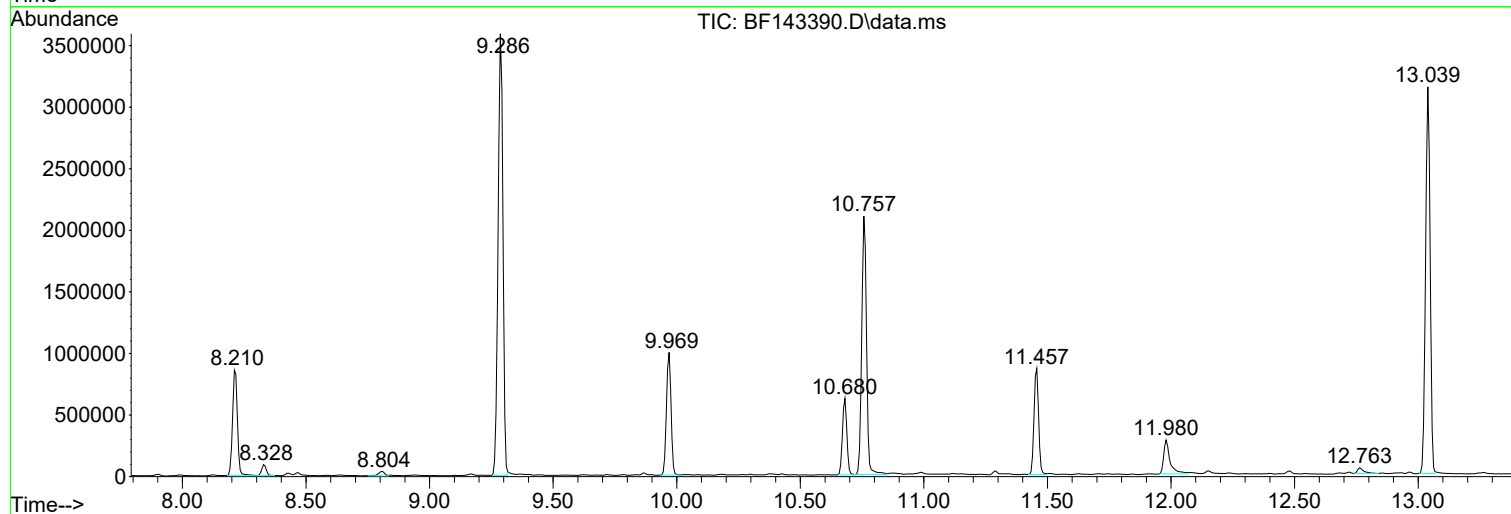
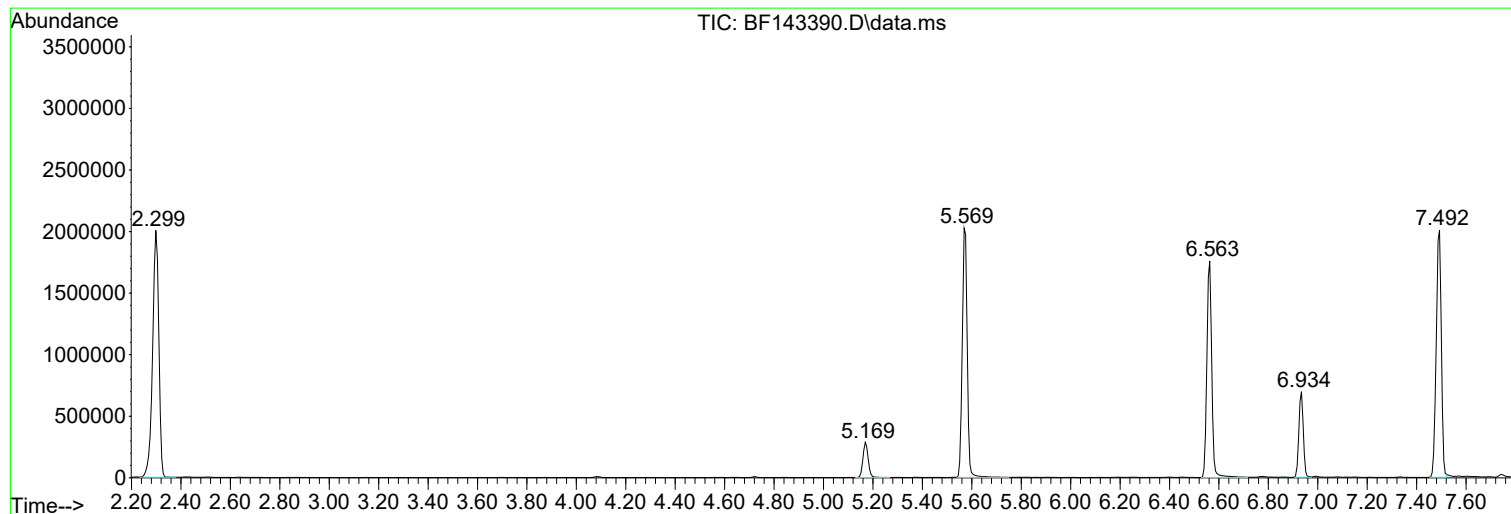
Sum of corrected areas: 31401669

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

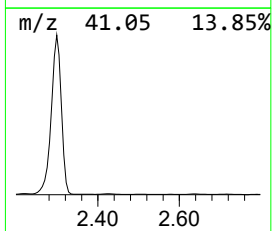
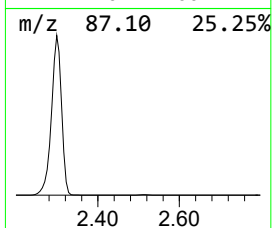
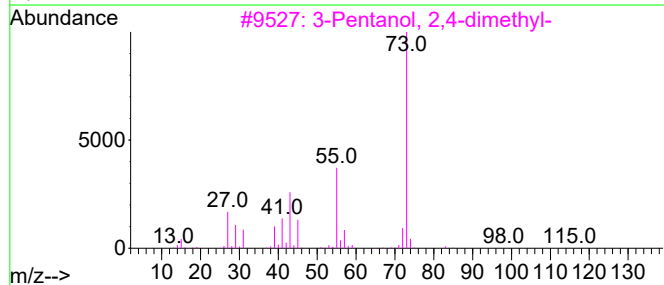
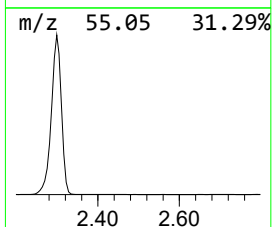
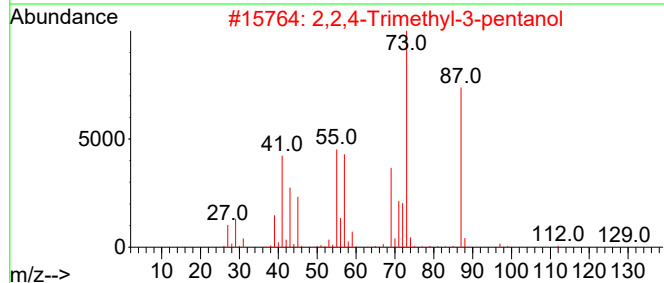
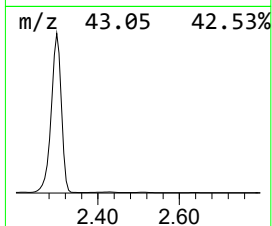
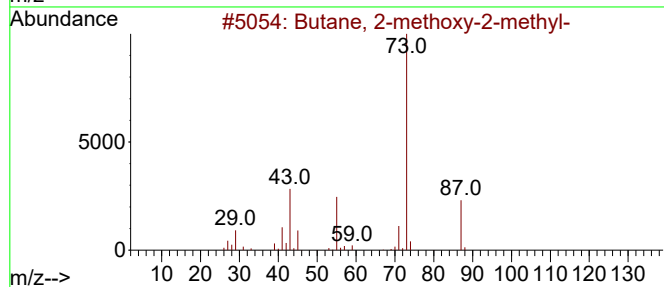
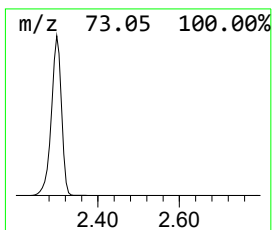
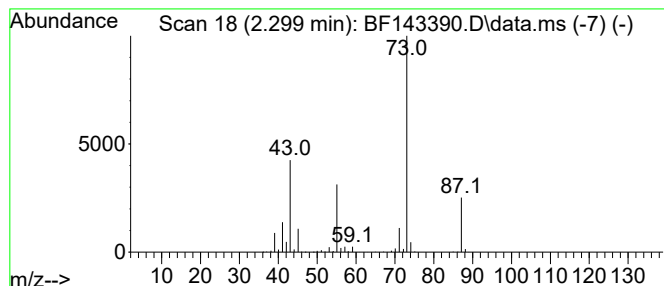
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.299	79.80 ng	3466950	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

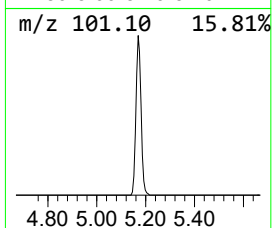
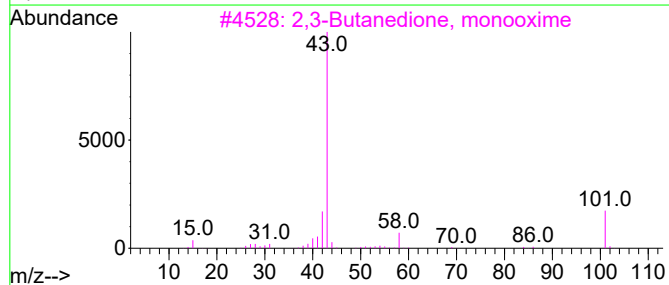
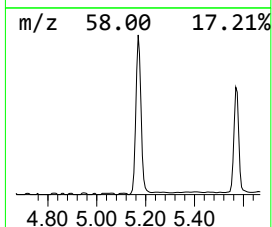
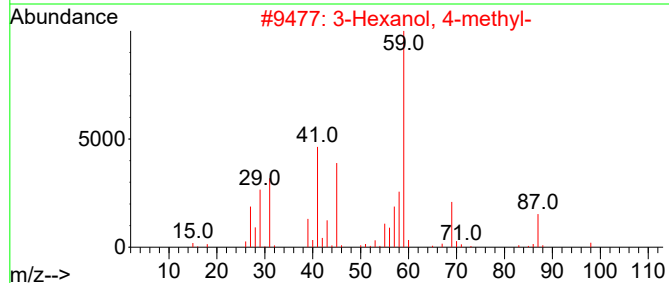
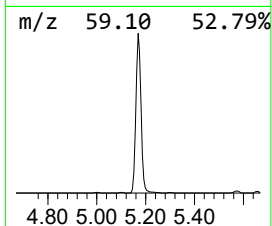
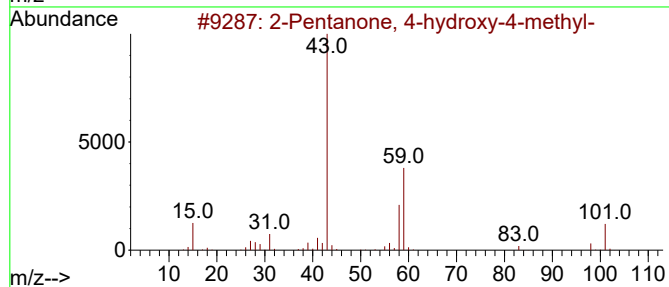
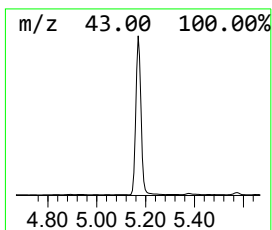
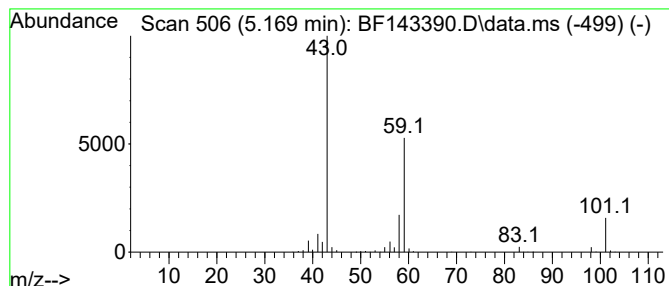
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
5.169	9.77 ng	424611	1,4-Dichlorobenzene-d4		6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27	
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25	
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

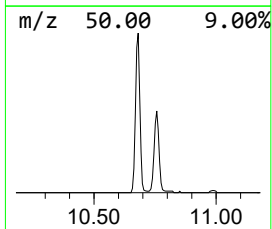
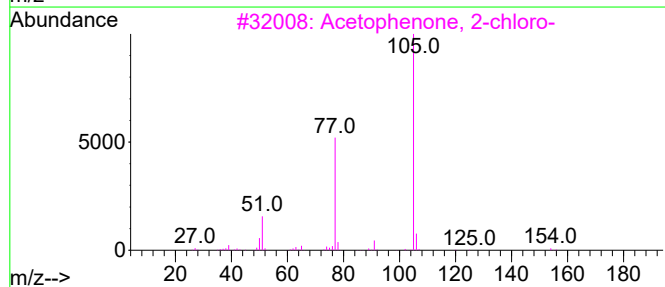
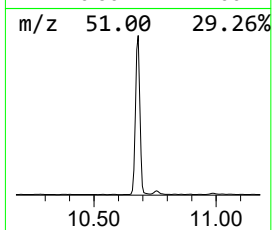
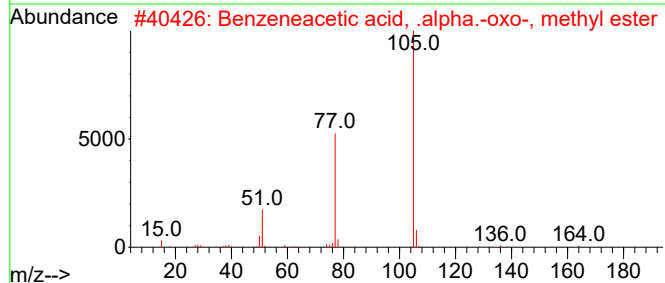
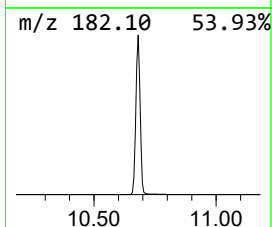
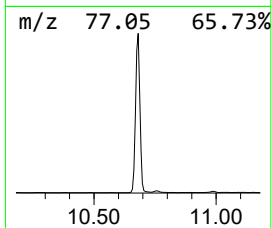
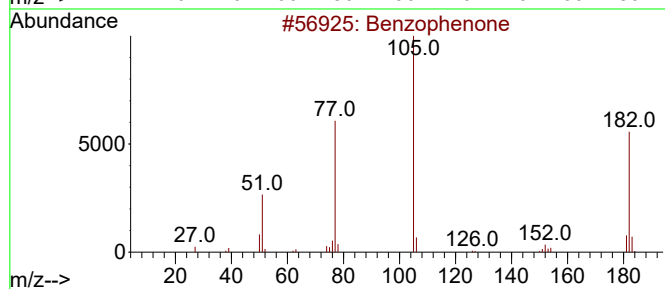
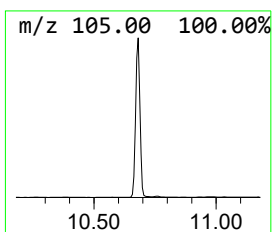
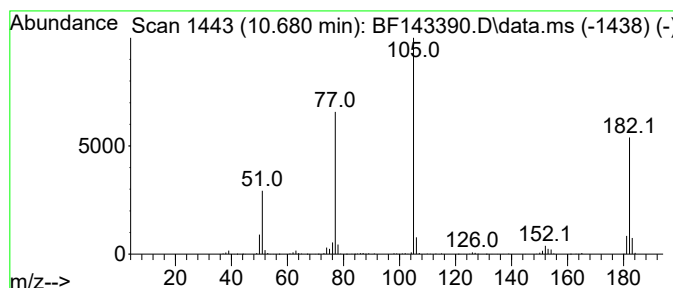
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	12.35 ng	778894	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	47
4			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47
5			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

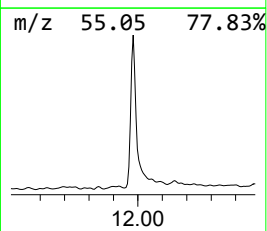
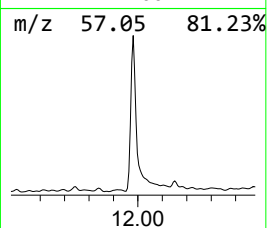
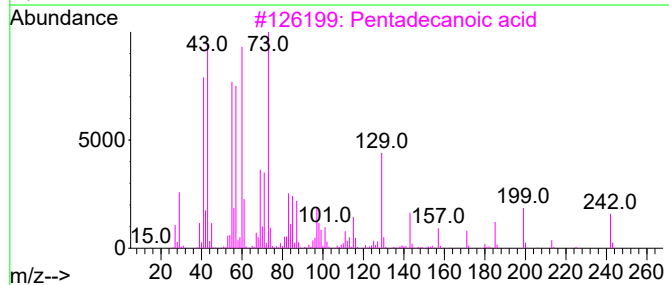
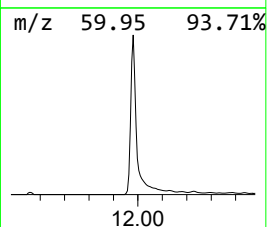
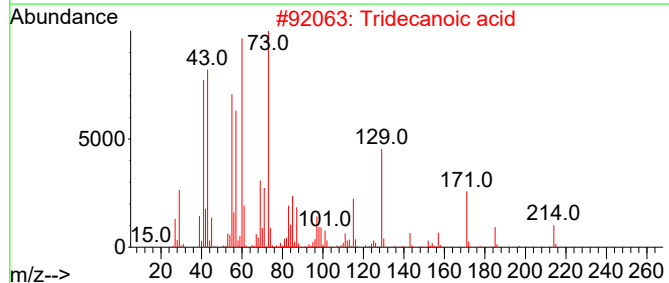
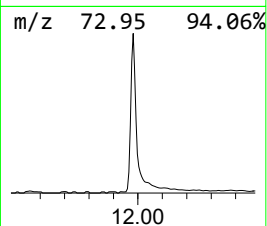
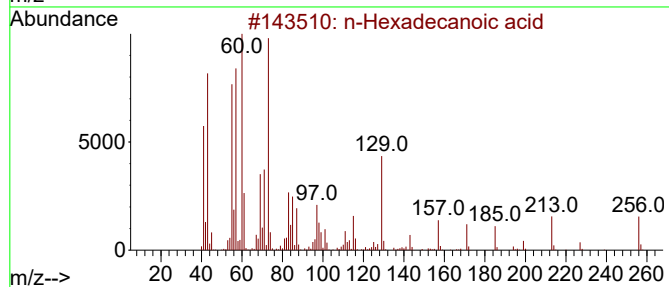
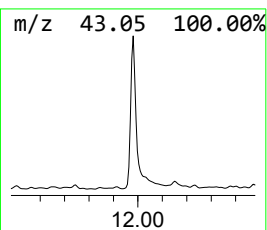
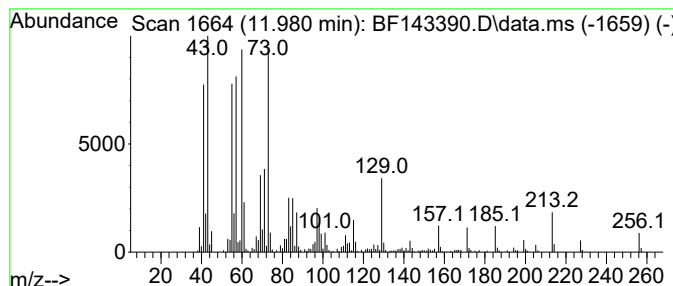
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	8.69 ng	488121	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Tridecanoic acid	214	C13H26O2	000638-53-9	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			Undecanoic acid	186	C11H22O2	000112-37-8	74
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

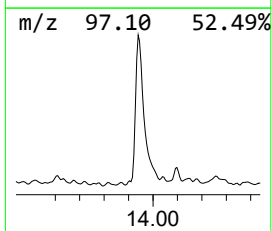
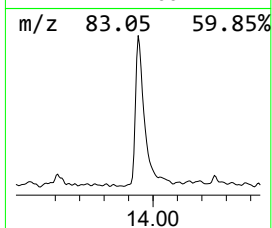
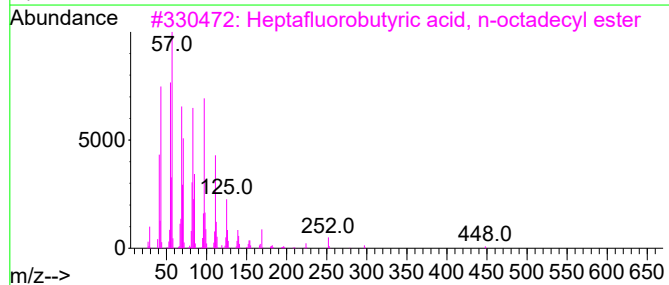
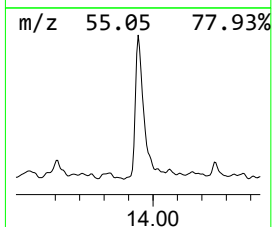
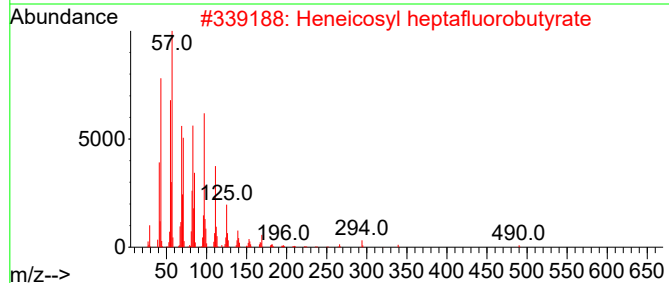
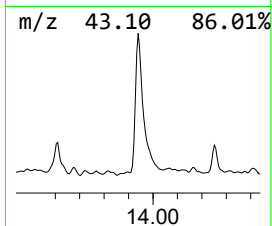
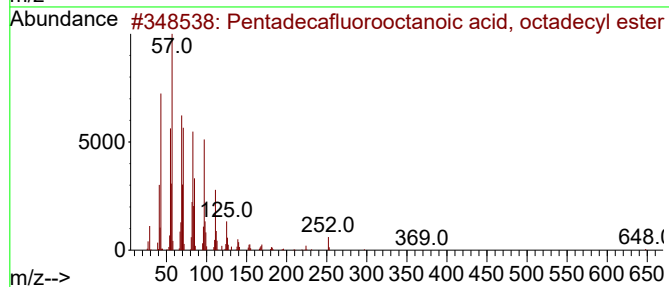
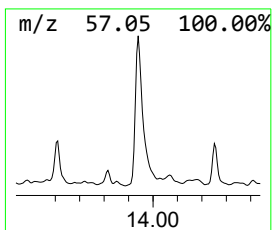
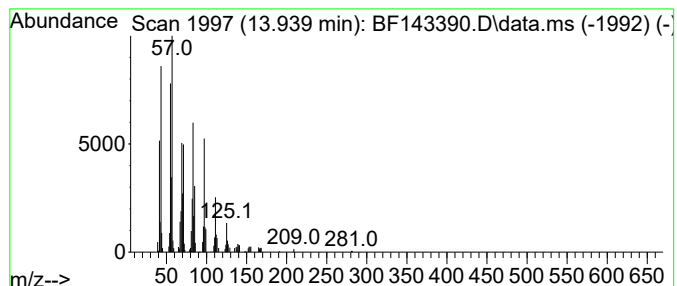
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecafluorooctanoic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	5.69 ng	196935	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
2			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	91
3			Heptafluorobutyric acid, n-octadec...	466	C22H37F7O2	000400-57-7	91
4			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91
5			Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143390.D
Acq On : 14 Aug 2025 19:26
Operator : RC/JU
Sample : Q2814-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.299	79.8	ng	3466950	1	6.934	868937	20.0
2-Pentanone, 4-...	5.169	9.8	ng	424611	1	6.934	868937	20.0
Benzophenone	10.681	12.4	ng	778894	3	9.969	1260930	20.0
n-Hexadecanoic ...	11.980	8.7	ng	488121	4	11.457	1123090	20.0
Pentadecafluoro...	13.939	5.7	ng	196935	5	14.098	692523	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-13	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143391.D	1	08/12/25 09:55	08/14/25 19:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-13	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143391.D	1	08/12/25 09:55	08/14/25 19:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-13	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143391.D	1	08/12/25 09:55	08/14/25 19:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	85.3		19 - 119	57%	SPK: 150
13127-88-3	Phenol-d6	65.3		10 - 130	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	114		44 - 120	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.0		44 - 119	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182		43 - 140	122%	SPK: 150
1718-51-0	Terphenyl-d14	110		50 - 134	110%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	147000	6.934
1146-65-2	Naphthalene-d8	561000	8.216
15067-26-2	Acenaphthene-d10	302000	9.969
1517-22-2	Phenanthrene-d10	454000	11.457
1719-03-5	Chrysene-d12	254000	14.098
1520-96-3	Perylene-d12	291000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	100	JB	2.28	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.60	AB	5.17	ug/L
000134-62-3	Diethyltoluamide	6.30	J	10.3	ug/L
000119-61-9	Benzophenone	6.90	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.20	J	12.0	ug/L
000112-92-5	1-Octadecanol	2.20	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-13	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143391.D	1	08/12/25 09:55	08/14/25 19:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-N

Quant Time: Aug 15 01:34:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	147123	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	561422	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	301794	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	453683	20.000	ng	0.00
76) Chrysene-d12	14.098	240	253979	20.000	ng	0.00
86) Perylene-d12	15.592	264	291392	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	725366	85.258	ng	0.00
7) Phenol-d6	6.563	99	712531	65.308	ng	0.00
23) Nitrobenzene-d5	7.492	82	1026179	113.825	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	402221	182.366	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1726118	96.989	ng	0.00
79) Terphenyl-d14	13.039	244	1559023	109.591	ng	0.00

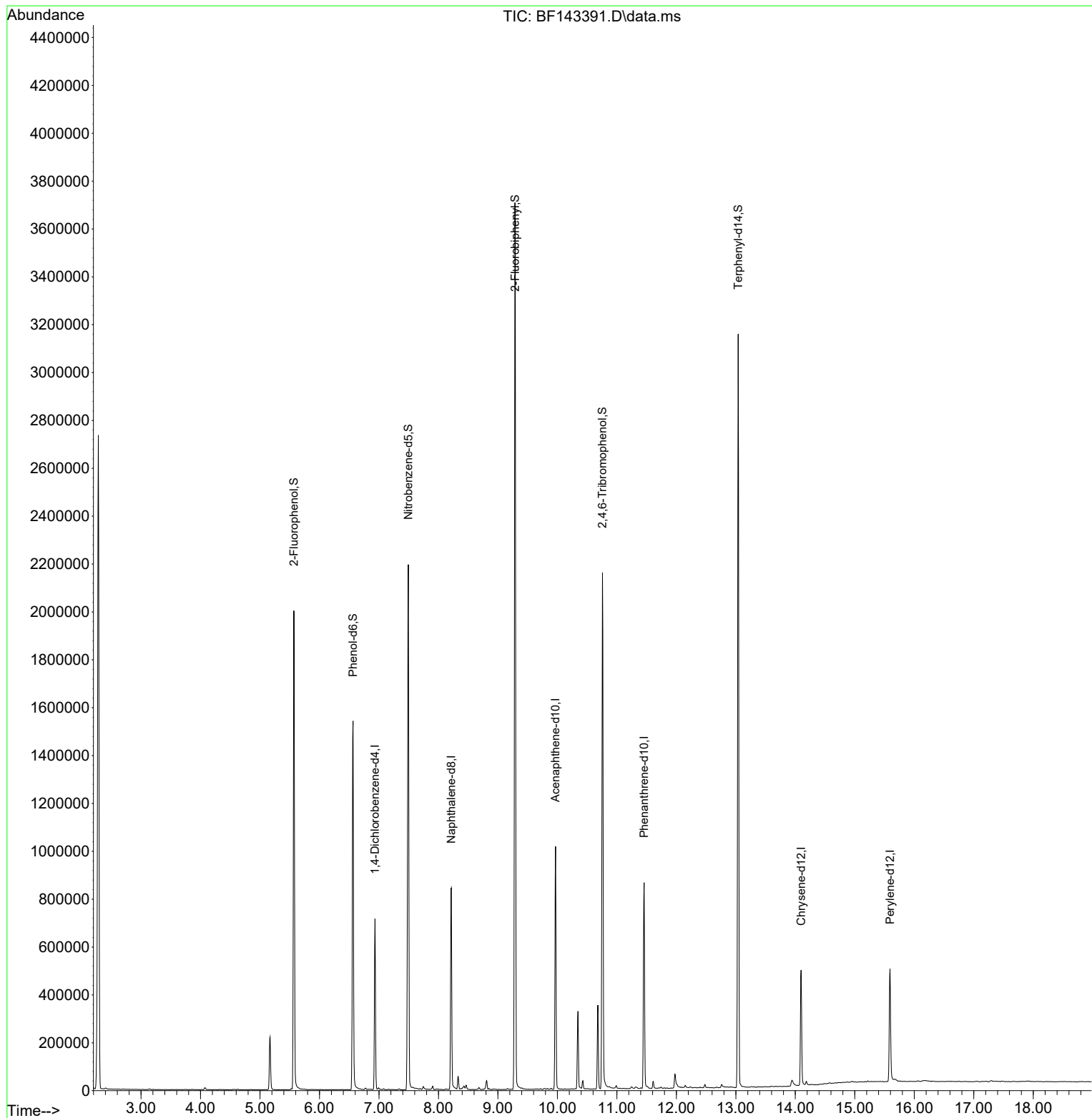
Target Compounds	Qvalue
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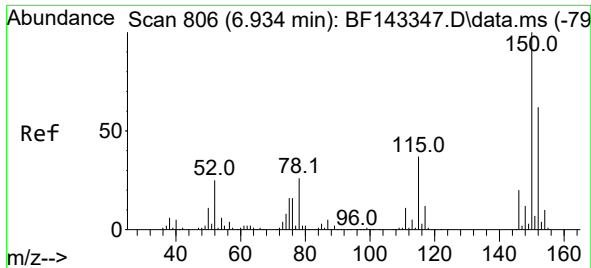
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-N

Quant Time: Aug 15 01:34:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

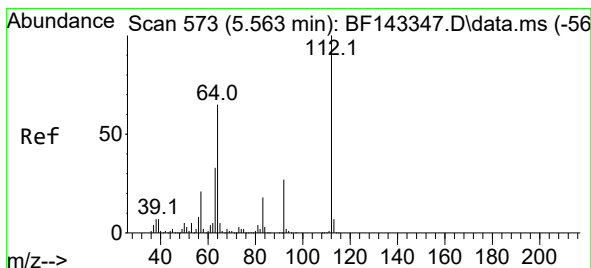
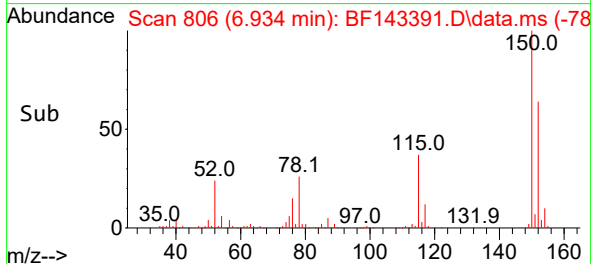
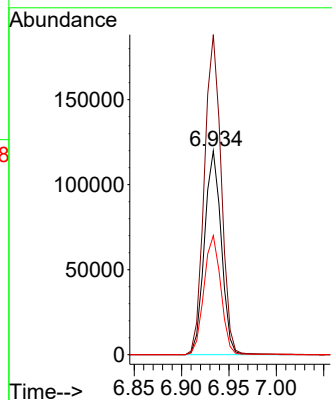
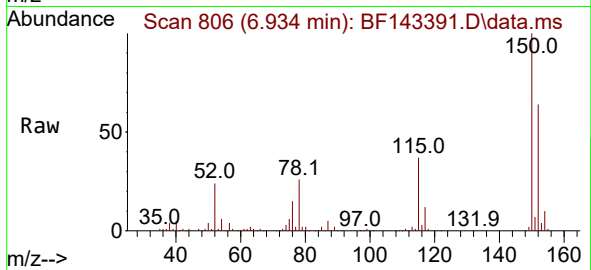




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143391.D
 Acq: 14 Aug 2025 19:56

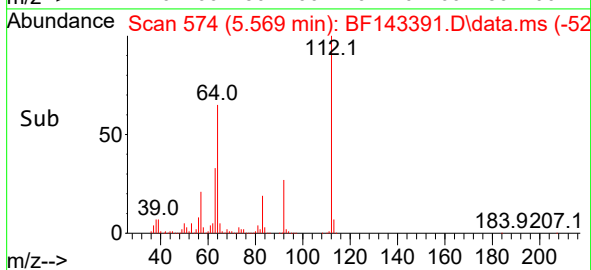
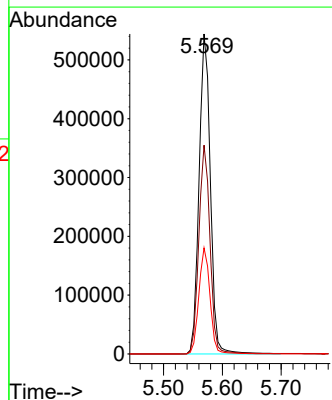
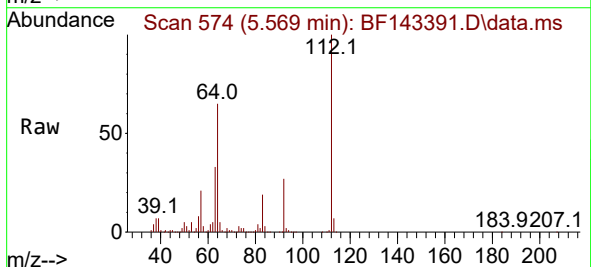
Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-N

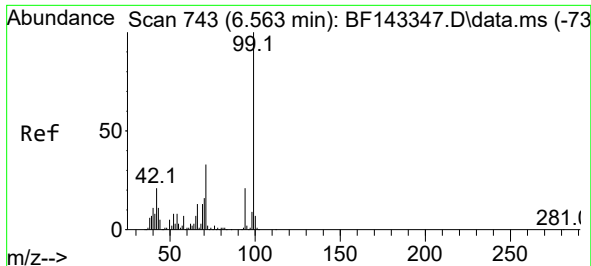
Tgt Ion:152 Resp: 147123
 Ion Ratio Lower Upper
 152 100
 150 157.0 129.8 194.8
 115 58.4 47.8 71.8



#5
 2-Fluorophenol
 Concen: 85.258 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143391.D
 Acq: 14 Aug 2025 19:56

Tgt Ion:112 Resp: 725366
 Ion Ratio Lower Upper
 112 100
 64 65.2 52.1 78.1
 63 33.1 26.6 39.8

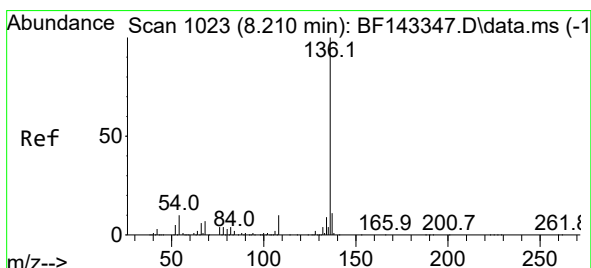
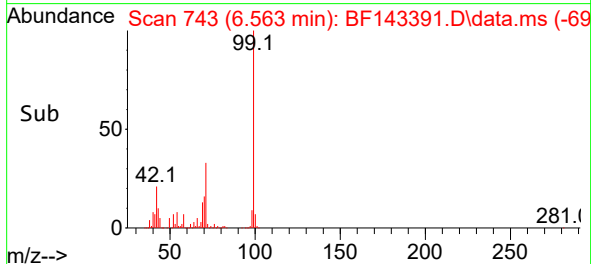
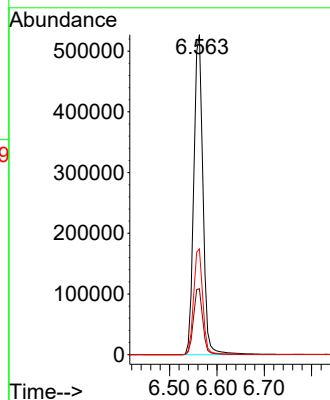
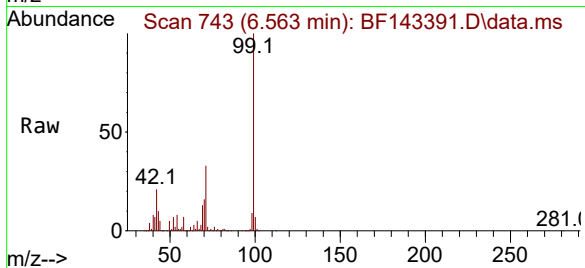




#7
Phenol-d6
Concen: 65.308 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

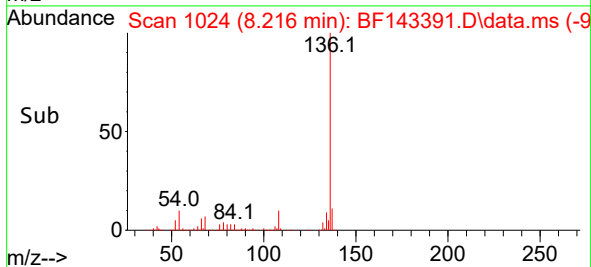
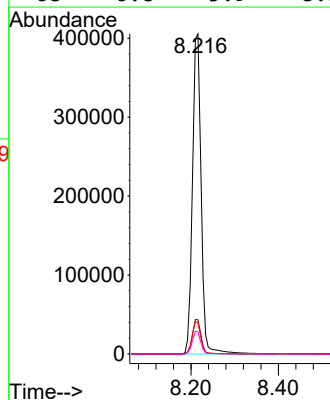
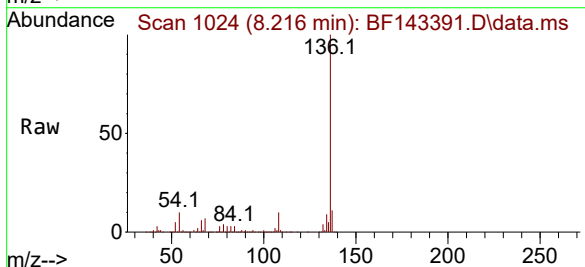
Instrument :
BNA_F
ClientSampleId :
TW-BP-N

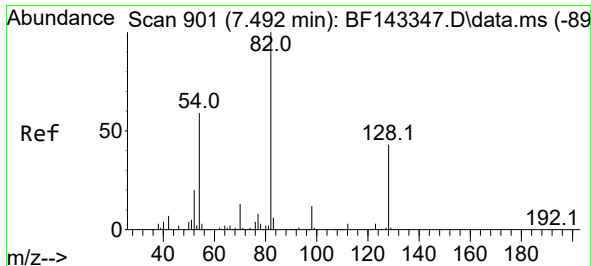
Tgt Ion: 99 Resp: 712531
Ion Ratio Lower Upper
99 100
42 20.6 16.6 25.0
71 33.1 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

Tgt Ion: 136 Resp: 561422
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.6 8.4 12.6
68 6.8 5.9 8.9





#23

Nitrobenzene-d5

Concen: 113.825 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

Instrument :

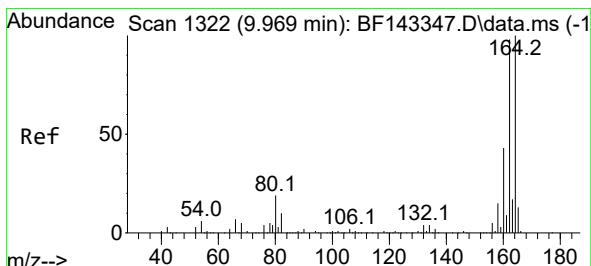
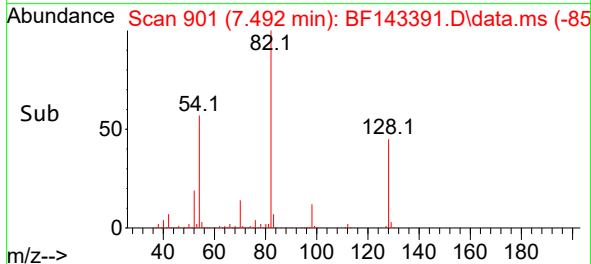
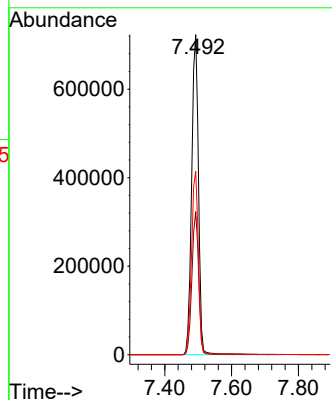
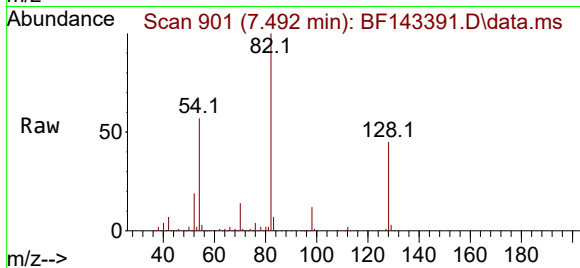
BNA_F

ClientSampleId :

TW-BP-N

Tgt Ion: 82 Resp: 1026179

Ion	Ratio	Lower	Upper
82	100		
128	44.7	33.5	50.3
54	57.3	46.7	70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

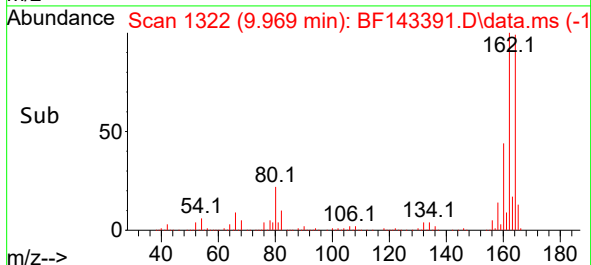
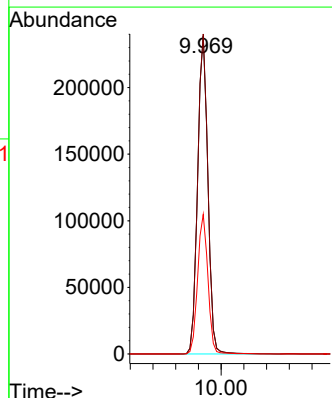
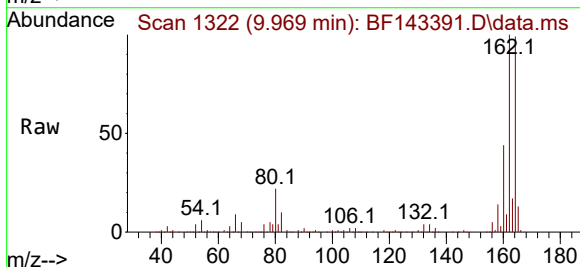
Delta R.T. -0.000 min

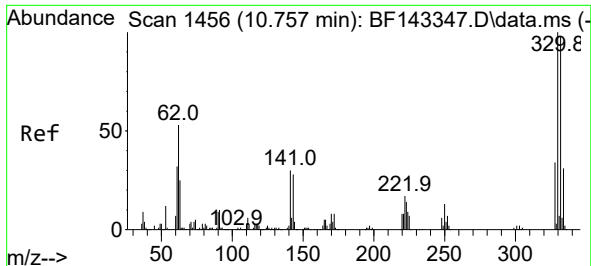
Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

Tgt Ion: 164 Resp: 301794

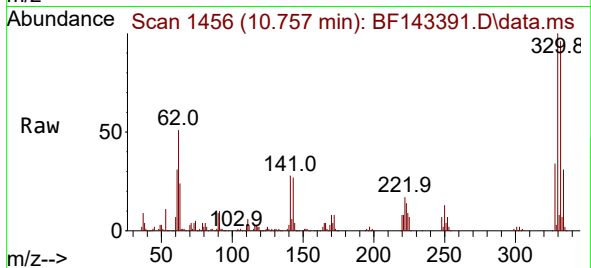
Ion	Ratio	Lower	Upper
164	100		
162	100.6	78.6	118.0
160	43.8	34.4	51.6



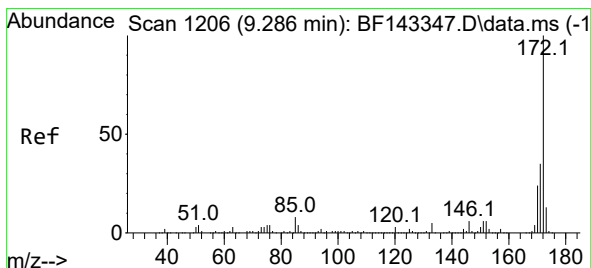
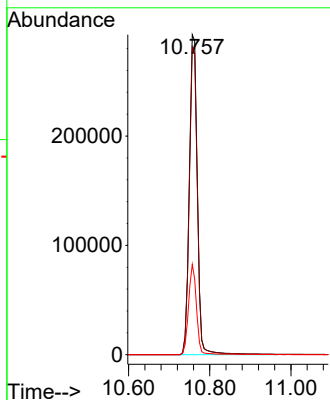
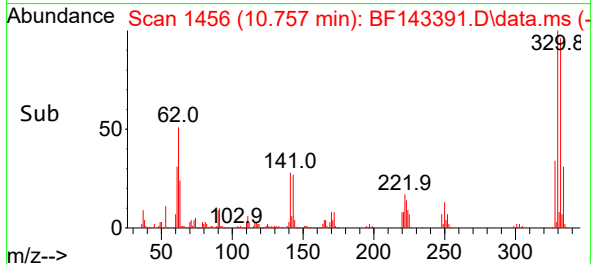


#42
2,4,6-Tribromophenol
Concen: 182.366 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

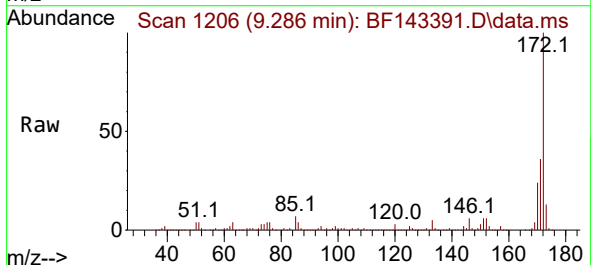
Instrument :
BNA_F
ClientSampleId :
TW-BP-N



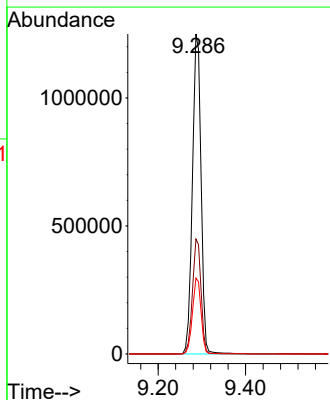
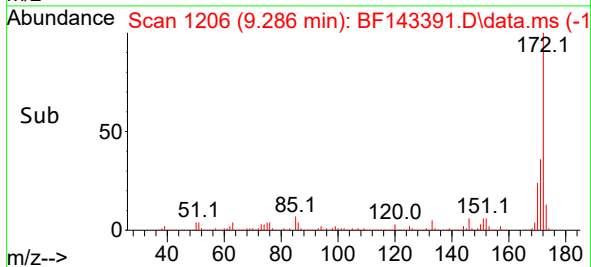
Tgt Ion:330 Resp: 402221
Ion Ratio Lower Upper
330 100
332 95.8 78.1 117.1
141 27.5 25.4 38.0

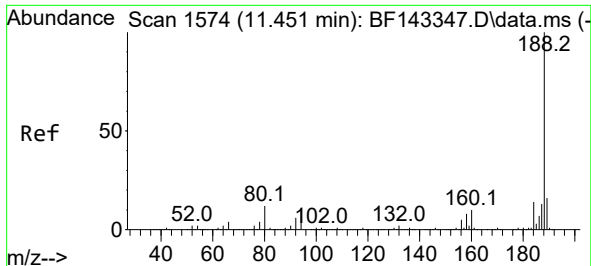


#45
2-Fluorobiphenyl
Concen: 96.989 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56



Tgt Ion:172 Resp: 1726118
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.7 19.1 28.7

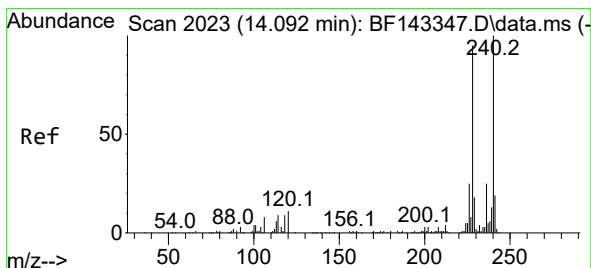
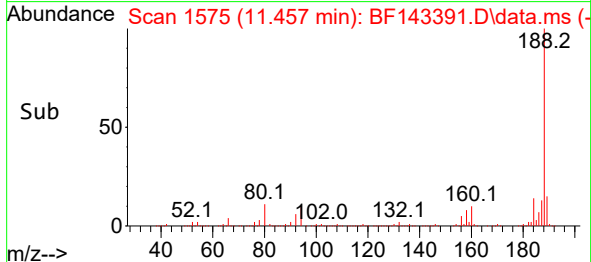
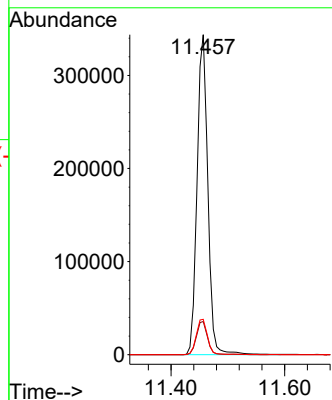
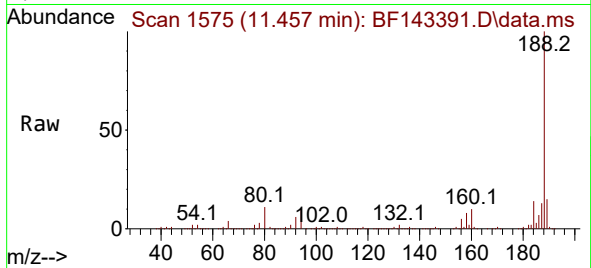




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

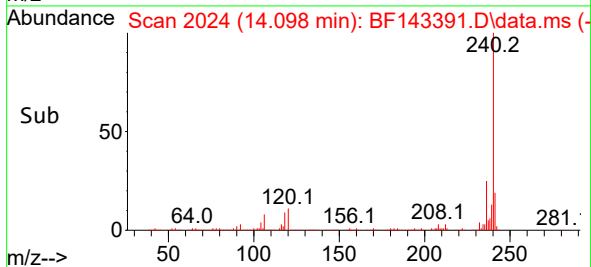
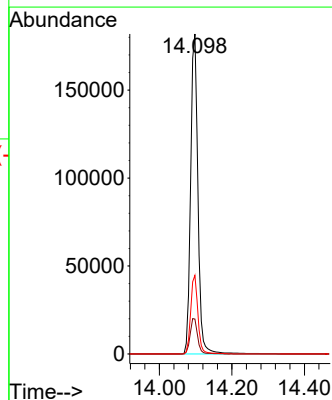
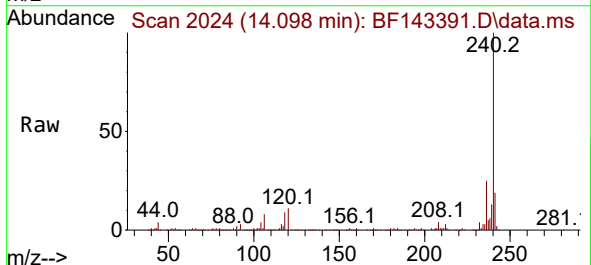
Instrument :
BNA_F
ClientSampleId :
TW-BP-N

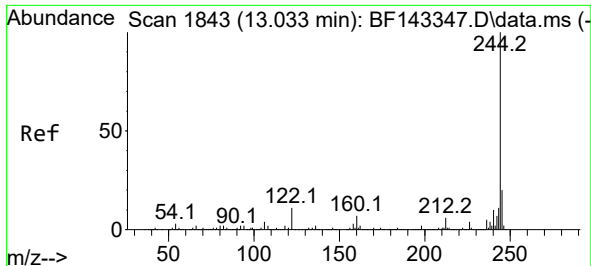
Tgt Ion:188 Resp: 453683
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 11.1 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

Tgt Ion:240 Resp: 253979
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 24.5 19.9 29.9

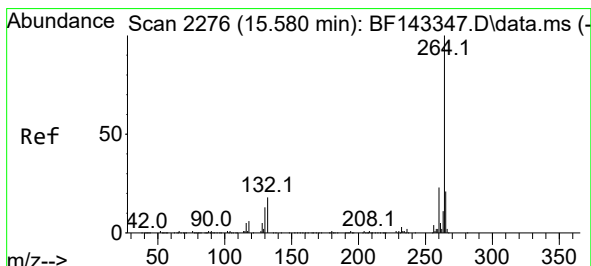
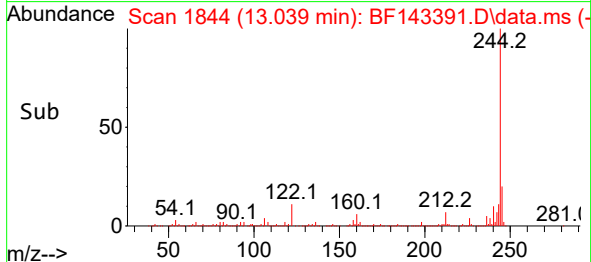
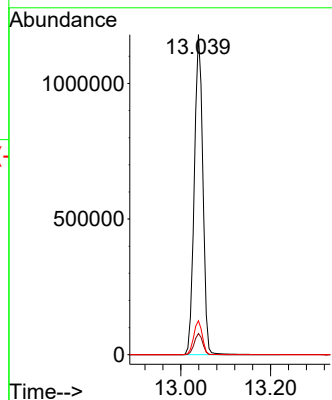
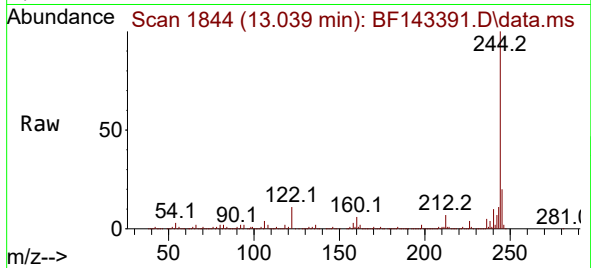




#79
 Terphenyl-d14
 Concen: 109.591 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143391.D
 Acq: 14 Aug 2025 19:56

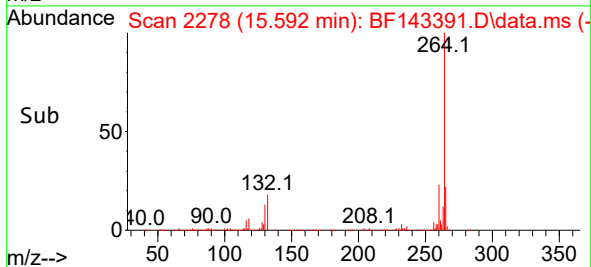
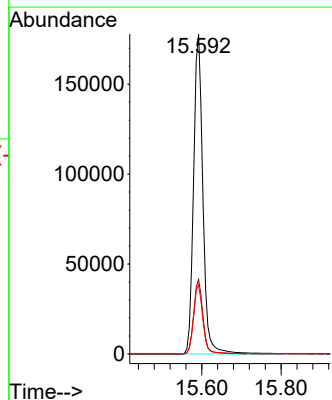
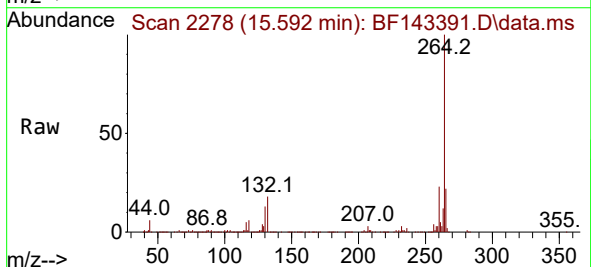
Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-N

Tgt Ion:244 Resp: 1559023
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 10.6 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143391.D
 Acq: 14 Aug 2025 19:56

Tgt Ion:264 Resp: 291392
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.6 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-N

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143391.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.281	5	15	27	rVB	2731173	4533842	89.94%	14.242%
2	5.169	497	506	523	rVB	220091	334425	6.63%	1.050%
3	5.569	569	574	594	rVB	1998323	2633496	52.24%	8.272%
4	6.563	737	743	772	rBV	1540332	2106248	41.78%	6.616%
5	6.934	801	806	812	rBV	713259	877664	17.41%	2.757%
6	7.492	894	901	906	rBV	2194625	3069701	60.89%	9.643%
7	8.216	1018	1024	1039	rBV	841759	1172020	23.25%	3.682%
8	8.328	1039	1043	1049	rVB	52855	70415	1.40%	0.221%
9	8.810	1120	1125	1129	rVB2	36017	52973	1.05%	0.166%
10	9.286	1200	1206	1218	rBV	3704255	5041137	100.00%	15.835%
11	9.969	1316	1322	1332	rBV	1014653	1283707	25.46%	4.032%
12	10.345	1381	1386	1391	rBV	324211	403251	8.00%	1.267%
13	10.680	1437	1443	1450	rBV	350458	444885	8.83%	1.397%
14	10.757	1450	1456	1472	rBV	2156672	2924993	58.02%	9.188%
15	11.457	1569	1575	1584	rBV	859580	1132330	22.46%	3.557%
16	11.974	1658	1663	1679	rBV3	58057	123387	2.45%	0.388%
17	13.039	1838	1844	1849	rBV	3148325	4121622	81.76%	12.947%
18	13.945	1992	1998	2013	rBV4	24065	72768	1.44%	0.229%
19	14.098	2018	2024	2034	rBV	481731	668151	13.25%	2.099%
20	15.592	2272	2278	2290	rBV	469326	768063	15.24%	2.413%

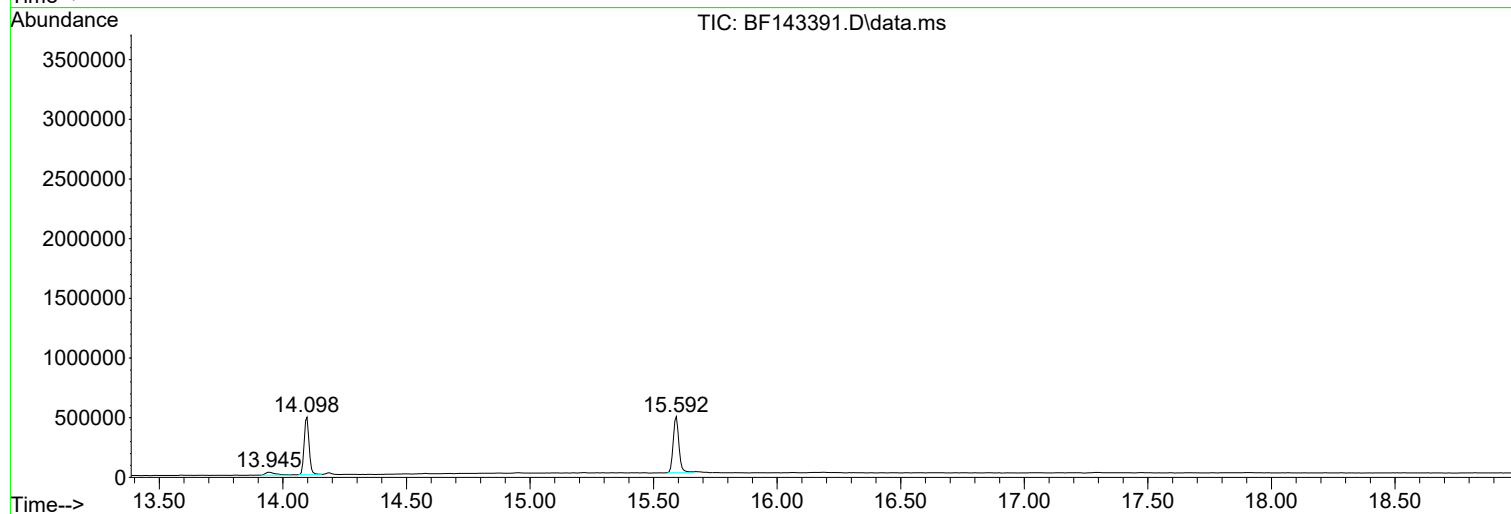
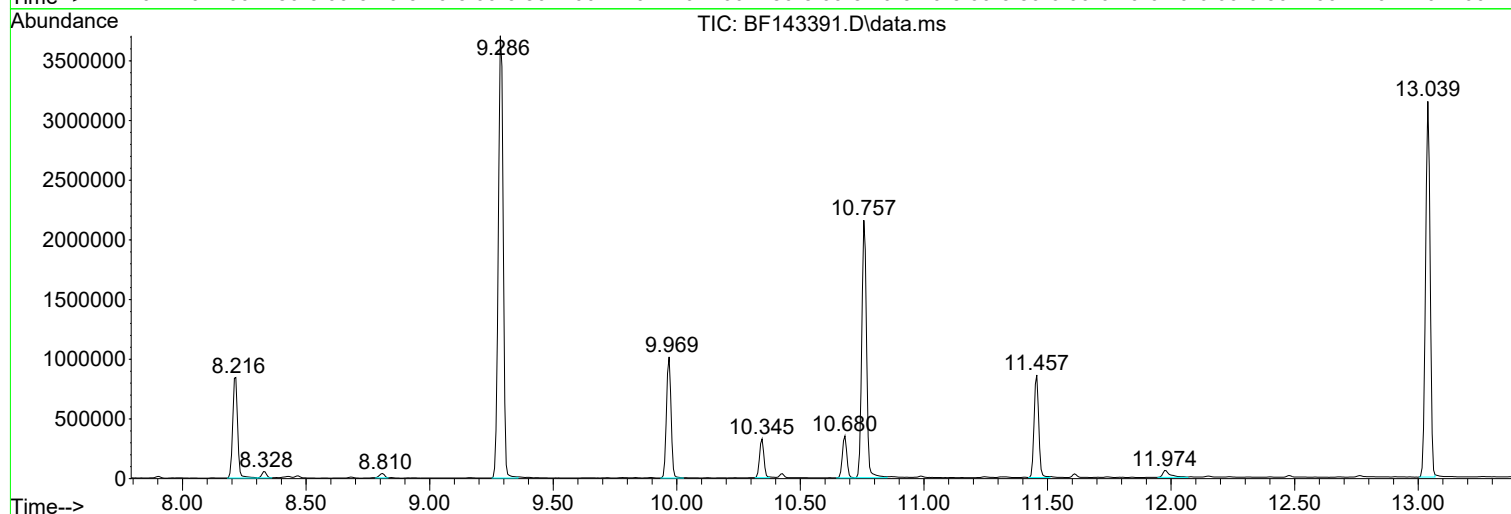
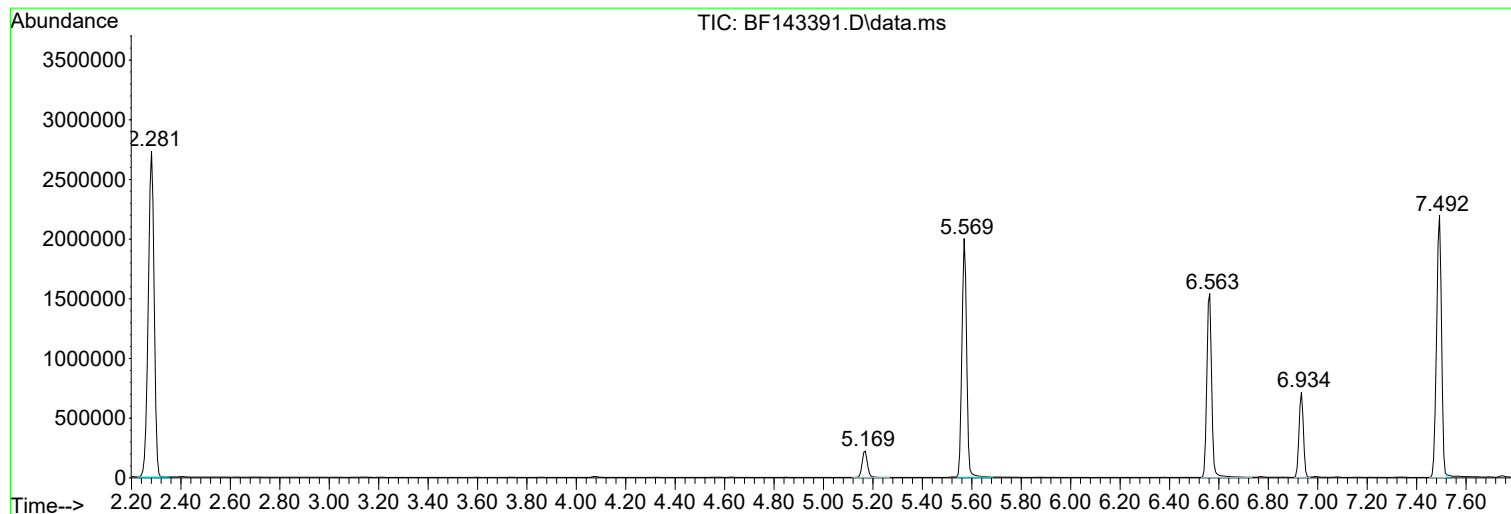
Sum of corrected areas: 31835078

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Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
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Instrument :
BNA_F
ClientSampleId :
TW-BP-N

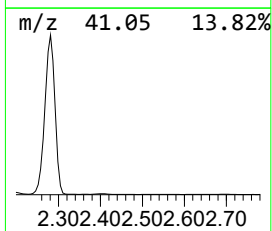
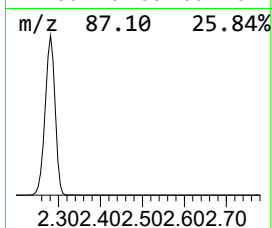
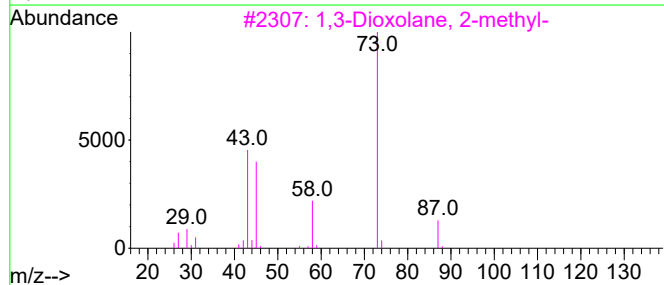
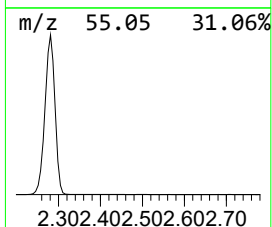
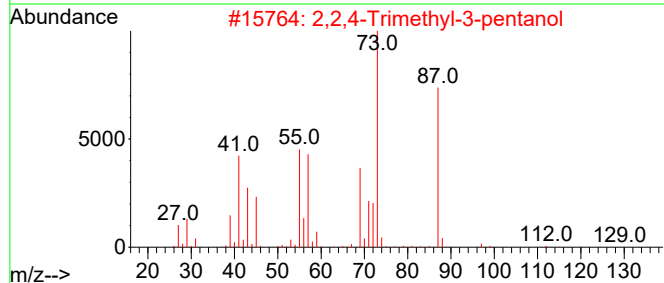
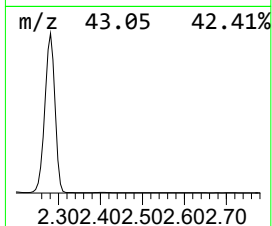
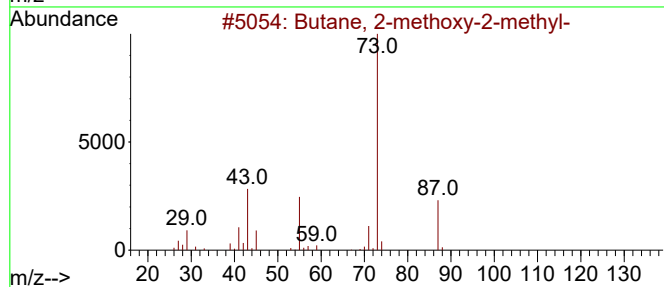
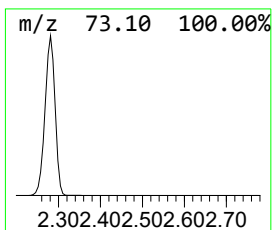
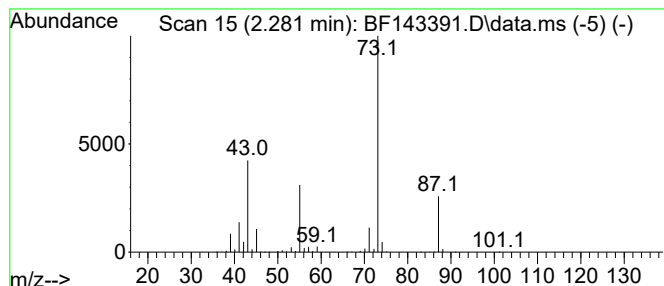
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.281	103.32 ng	4533840	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

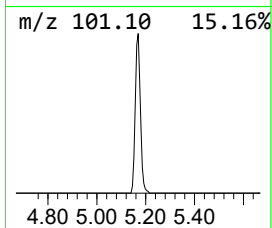
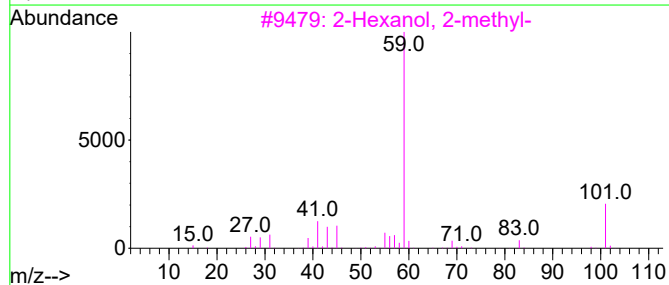
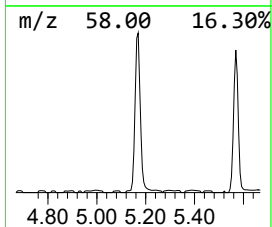
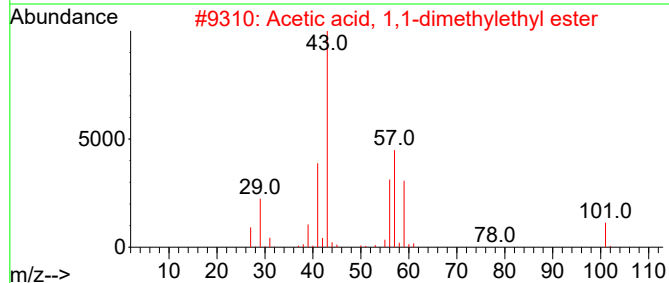
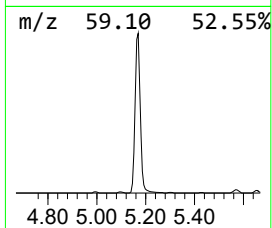
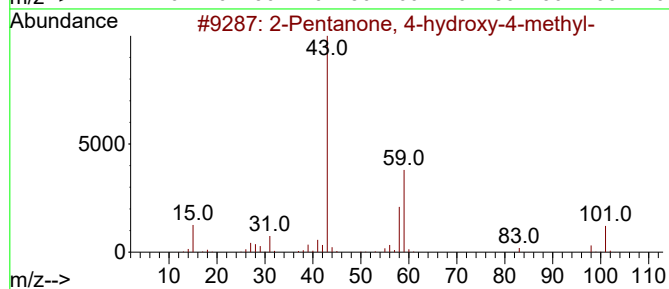
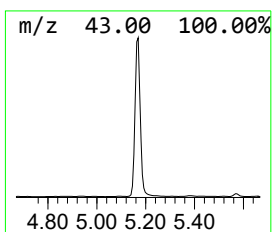
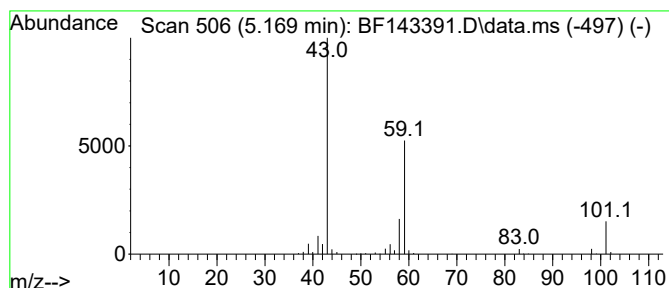
Instrument :
BNA_F
ClientSampleId :
TW-BP-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.169	7.62 ng	334425	1,4-Dichlorobenzene-d4	6.934	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	32
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-N

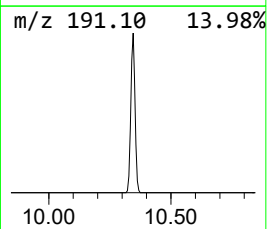
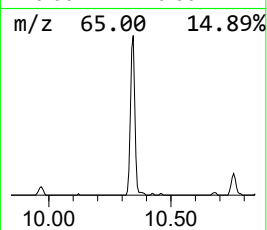
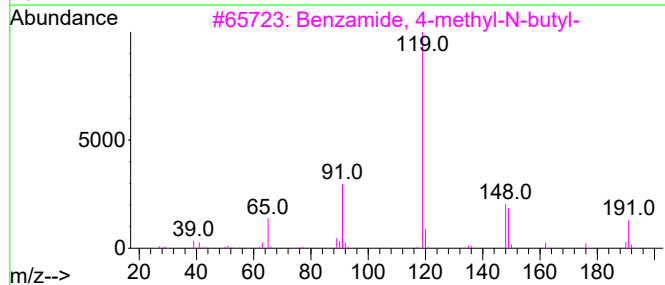
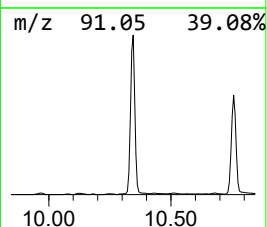
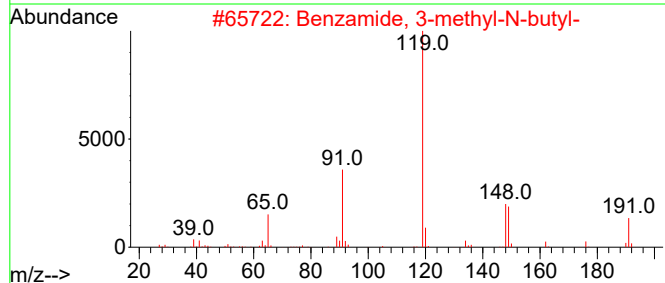
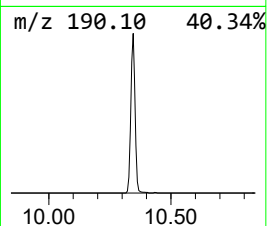
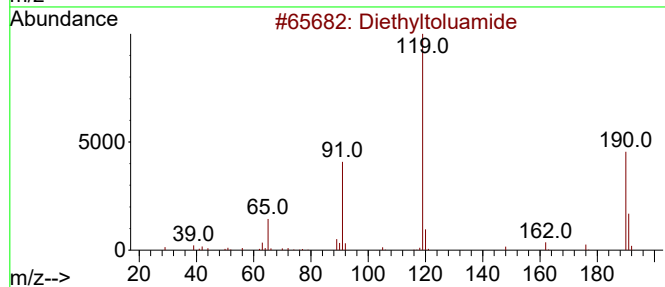
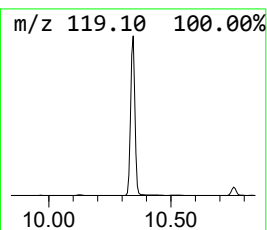
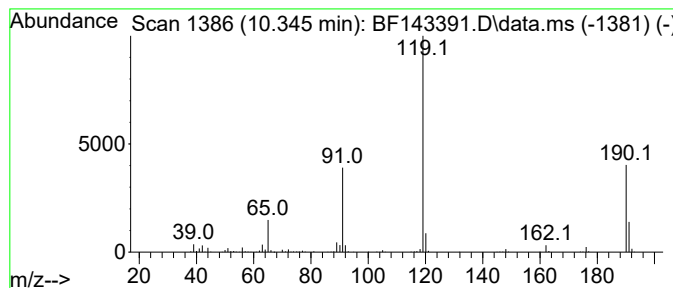
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Diethyltoluamide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.345	6.28 ng	403251	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diethyltoluamide	191	C12H17NO	000134-62-3	97
2			Benzamide, 3-methyl-N-butyl-	191	C12H17NO	1000407-41-1	76
3			Benzamide, 4-methyl-N-butyl-	191	C12H17NO	1000407-46-6	76
4			Benzamide, 3-methyl-N-methyl-N-p...	191	C12H17NO	1000421-46-2	76
5			Benzamide, 2-methyl-N-methyl-N-p...	191	C12H17NO	1000421-44-4	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-N

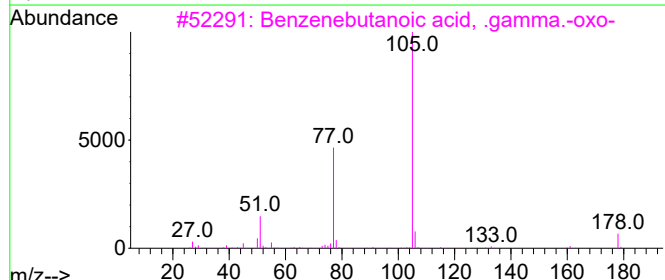
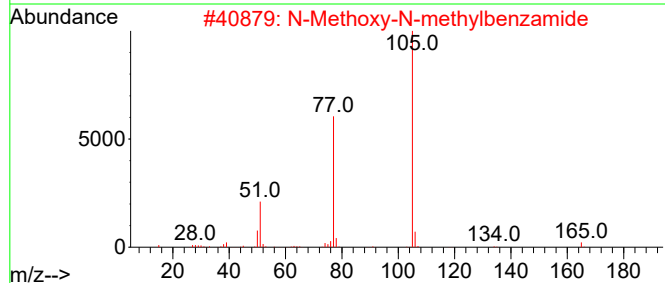
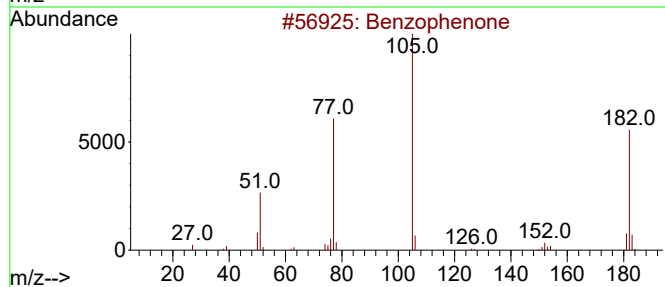
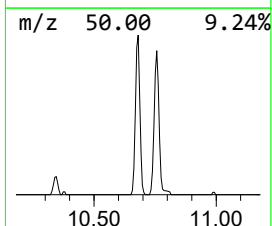
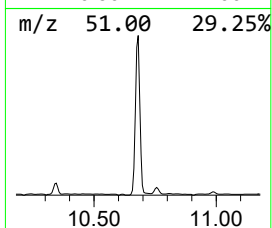
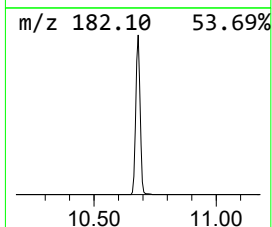
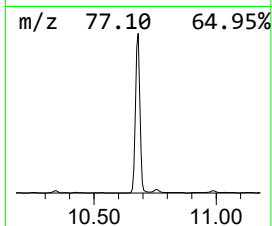
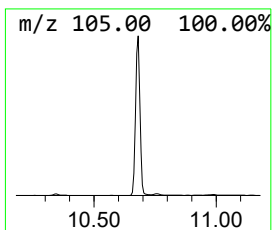
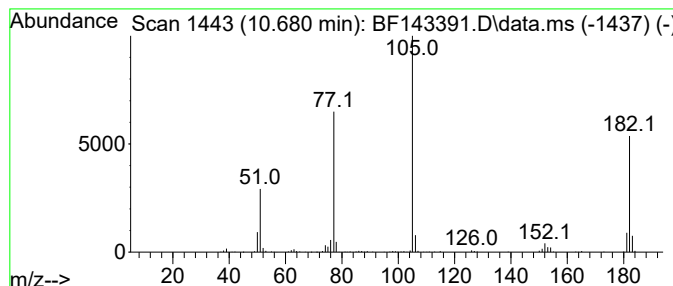
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	6.93 ng	444885	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	50
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50
4			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	50
5			2-Chloro-1-phenyl-1-propanone	168	C9H9ClO	006084-17-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
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Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

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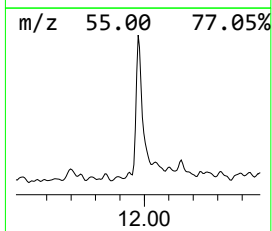
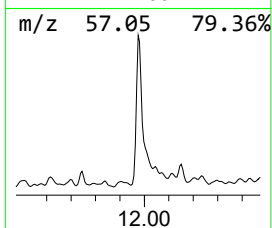
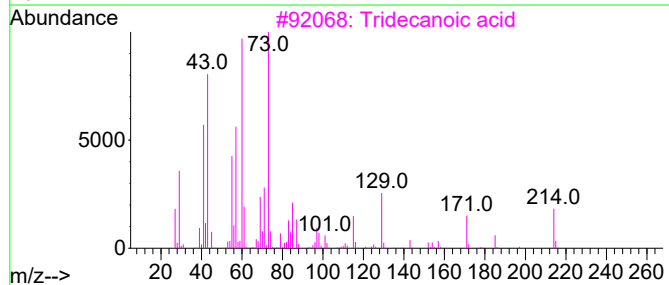
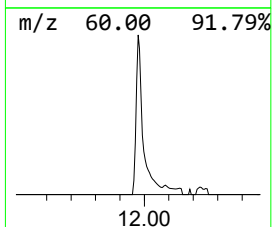
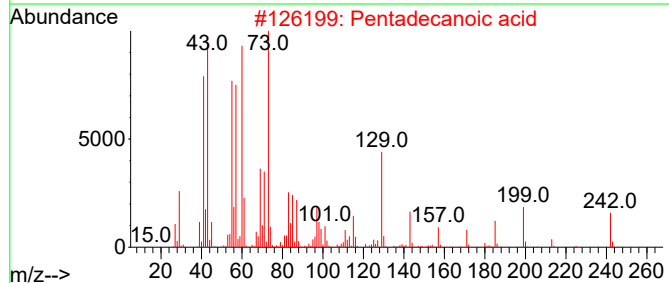
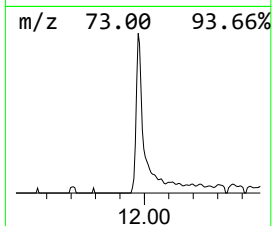
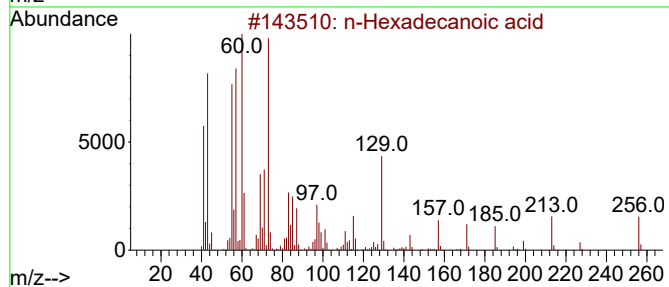
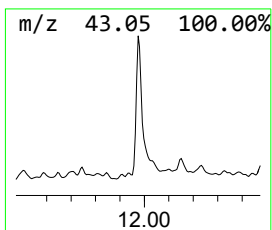
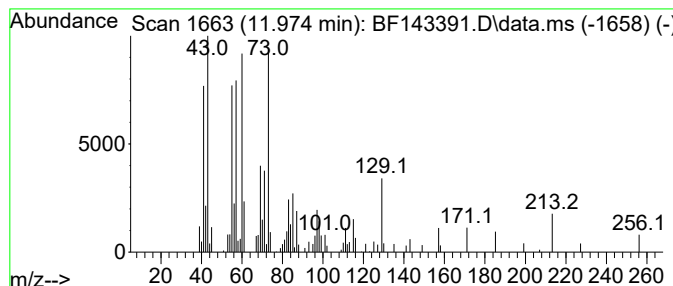
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	2.18 ng	123387	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3			Tridecanoic acid	214	C13H26O2	000638-53-9	72
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5			Isoamyl nitrite	117	C5H11NO2	000110-46-3	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

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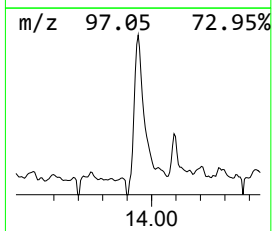
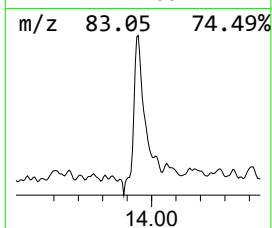
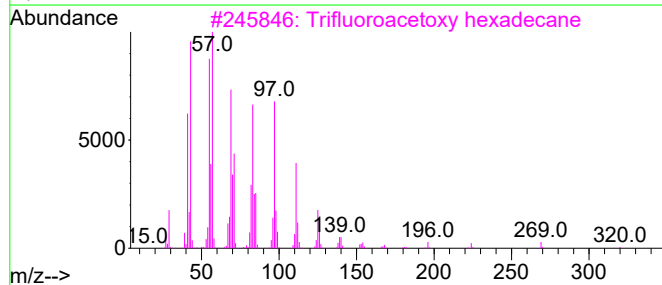
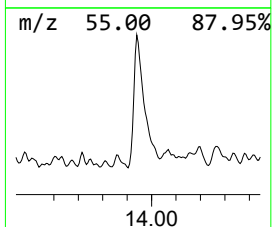
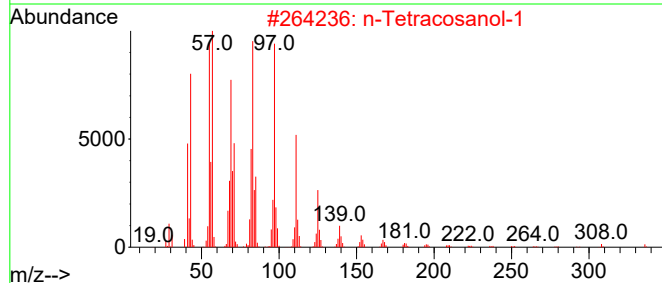
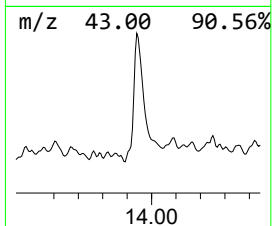
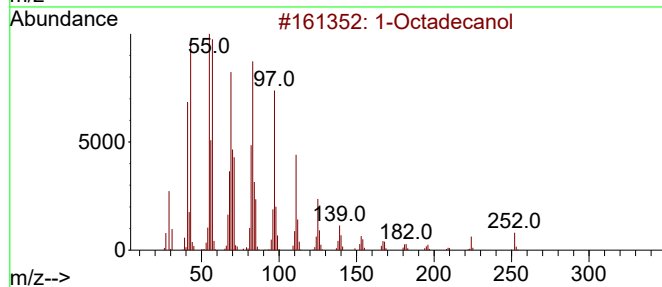
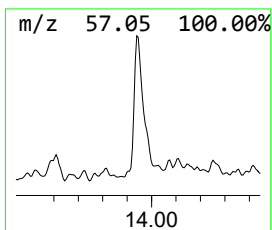
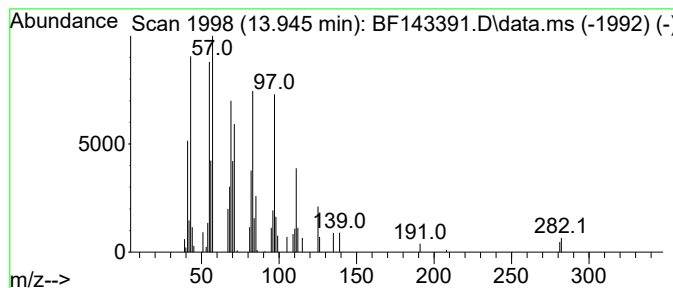
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Octadecanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.945	2.18 ng	72768	Chrysene-d12	14.098

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Octadecanol	270	C18H38O	000112-92-5	93
2		n-Tetracosanol-1	354	C24H50O	000506-51-4	91
3		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
4		Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	90
5		n-Nonadecanol-1	284	C19H40O	001454-84-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143391.D
Acq On : 14 Aug 2025 19:56
Operator : RC/JU
Sample : Q2814-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.281	103.3	ng	4533840	1	6.934	877664	20.0
2-Pentanone, 4-...	5.169	7.6	ng	334425	1	6.934	877664	20.0
Diethyltoluamide	10.345	6.3	ng	403251	3	9.969	1283710	20.0
Benzophenone	10.680	6.9	ng	444885	3	9.969	1283710	20.0
n-Hexadecanoic ...	11.974	2.2	ng	123387	4	11.457	1132330	20.0
1-Octadecanol	13.945	2.2	ng	72768	5	14.098	668151	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-14	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143392.D	1	08/12/25 09:55	08/14/25 20:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-14	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143392.D	1	08/12/25 09:55	08/14/25 20:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-14	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143392.D	1	08/12/25 09:55	08/14/25 20:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	78.9		19 - 119		53%	SPK: 150
13127-88-3	Phenol-d6	59.9		10 - 130		40%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		44 - 120		106%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.5		44 - 119		91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	169		43 - 140		113%	SPK: 150
1718-51-0	Terphenyl-d14	105		50 - 134		105%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	147000	6.934
1146-65-2	Naphthalene-d8	561000	8.21
15067-26-2	Acenaphthene-d10	301000	9.969
1517-22-2	Phenanthrene-d10	454000	11.457
1719-03-5	Chrysene-d12	245000	14.098
1520-96-3	Perylene-d12	285000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	110	JB	2.27	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.70	AB	5.16	ug/L
000119-61-9	Benzophenone	3.50	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.80	J	12.0	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-14	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143392.D	1	08/12/25 09:55	08/14/25 20:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143392.D
Acq On : 14 Aug 2025 20:26
Operator : RC/JU
Sample : Q2814-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-E

Quant Time: Aug 15 01:34:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	147415	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	561051	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	301049	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	453674	20.000	ng	0.00
76) Chrysene-d12	14.098	240	245304	20.000	ng	0.00
86) Perylene-d12	15.592	264	285132	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	672802	78.923	ng	0.00
7) Phenol-d6	6.563	99	654335	59.856	ng	0.00
23) Nitrobenzene-d5	7.493	82	955148	106.016	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	372732	169.414	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1624069	91.481	ng	0.00
79) Terphenyl-d14	13.039	244	1448163	105.398	ng	0.00

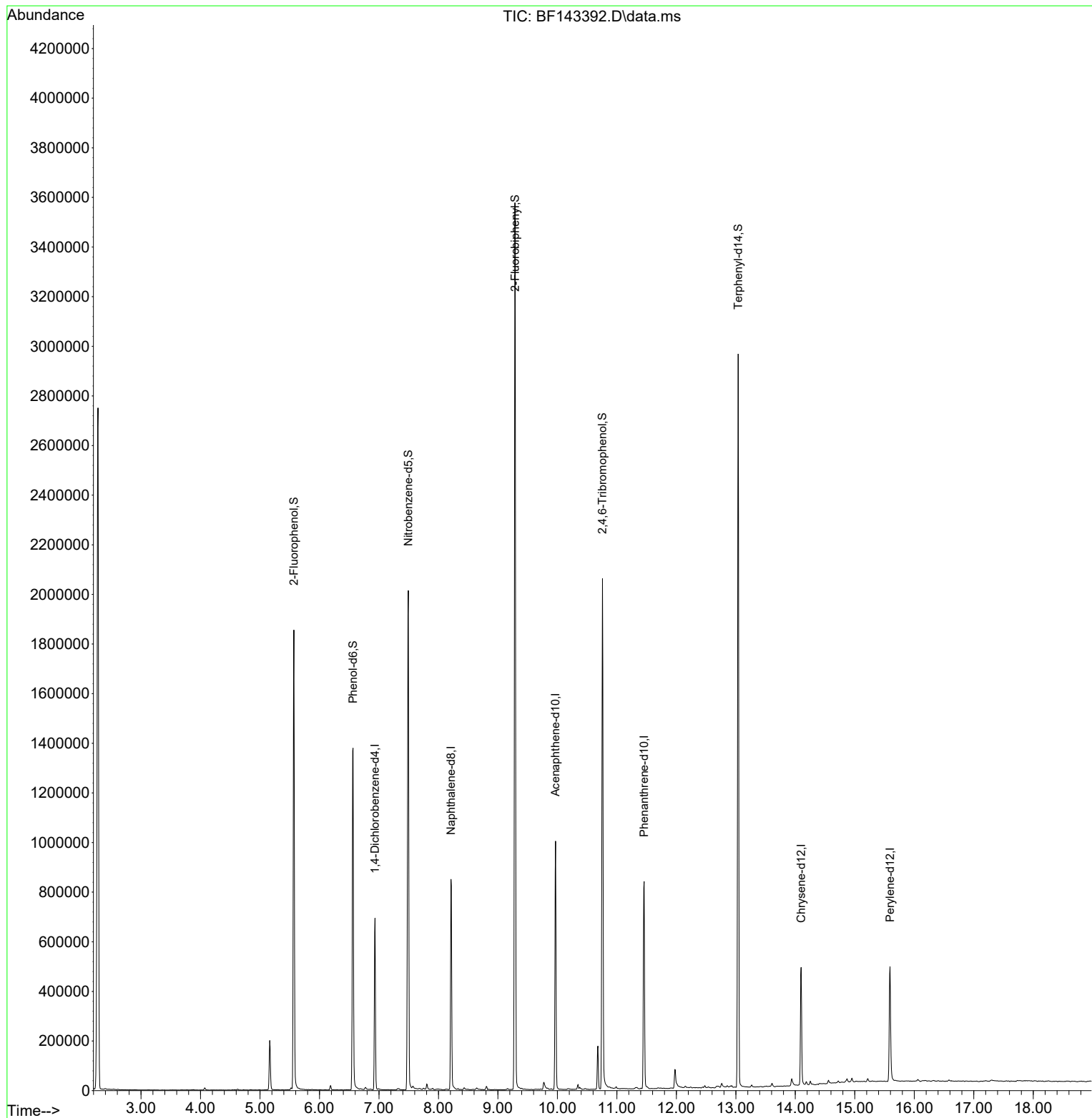
Target Compounds	Qvalue
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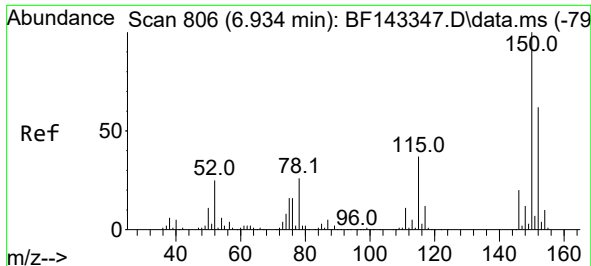
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143392.D
Acq On : 14 Aug 2025 20:26
Operator : RC/JU
Sample : Q2814-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-E

Quant Time: Aug 15 01:34:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

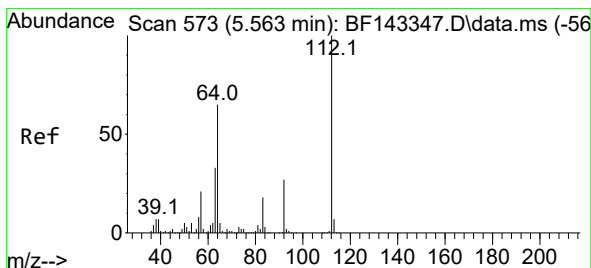
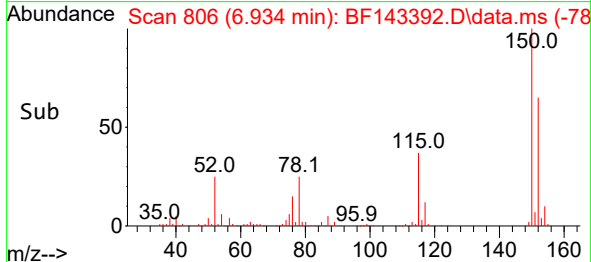
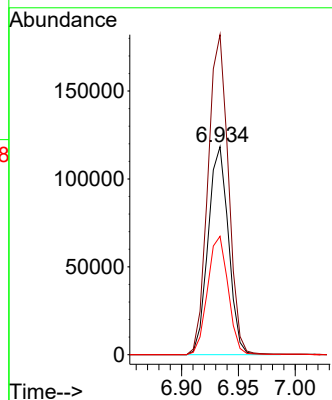
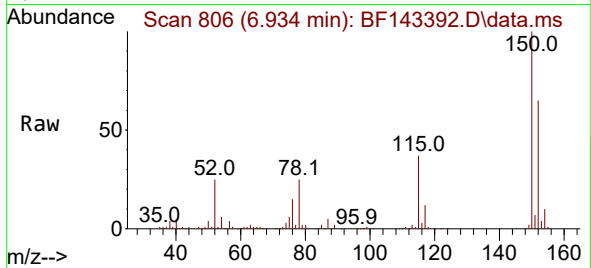




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

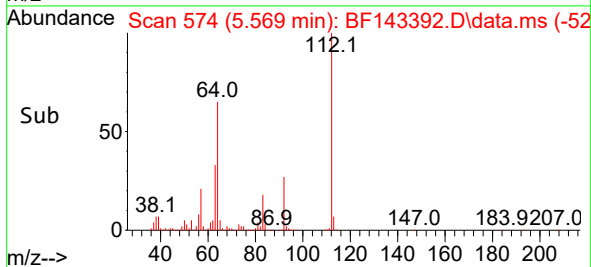
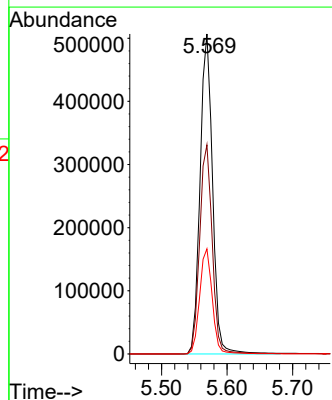
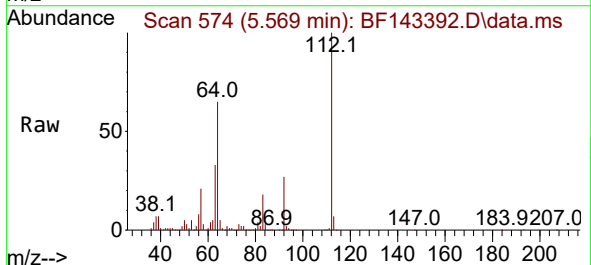
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

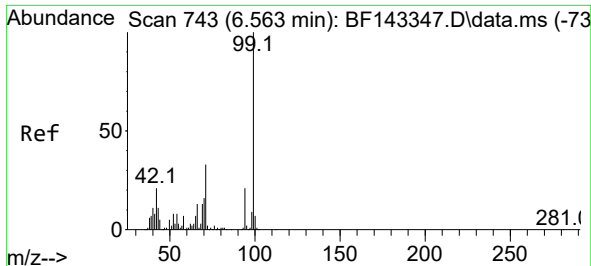
Tgt Ion:152 Resp: 147415
Ion Ratio Lower Upper
152 100
150 153.8 129.8 194.8
115 56.9 47.8 71.8



#5
2-Fluorophenol
Concen: 78.923 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

Tgt Ion:112 Resp: 672802
Ion Ratio Lower Upper
112 100
64 65.3 52.1 78.1
63 32.8 26.6 39.8

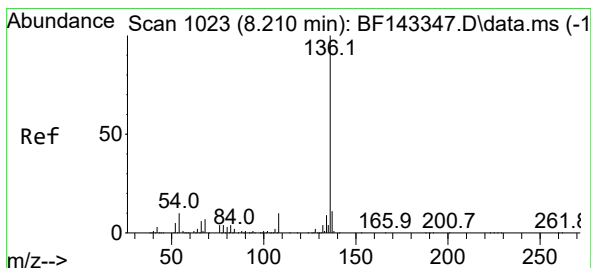
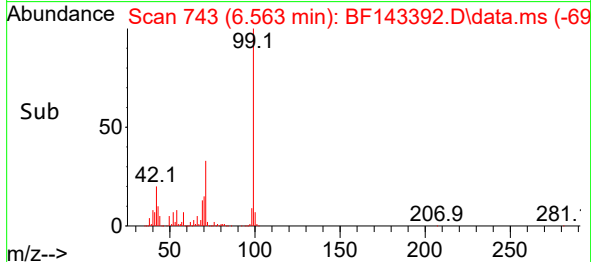
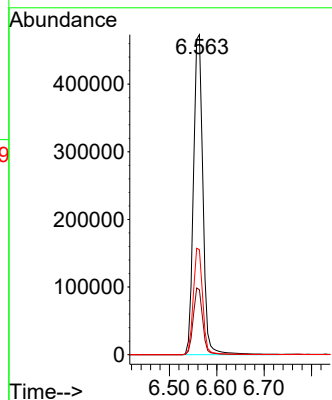
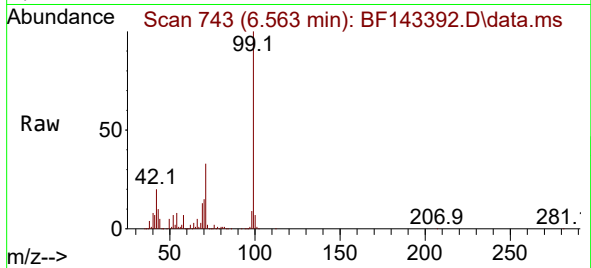




#7
Phenol-d6
Concen: 59.856 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

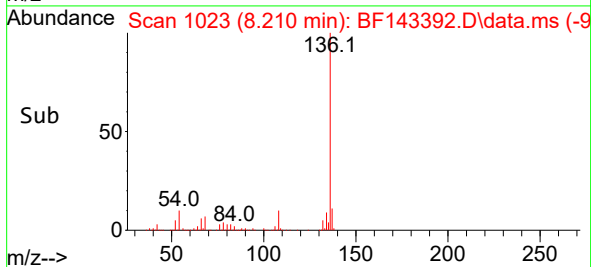
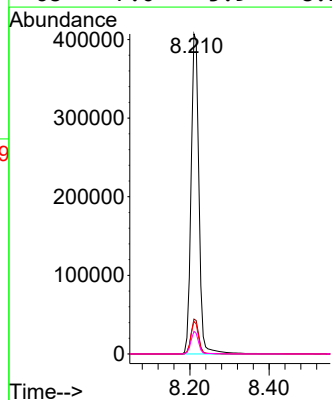
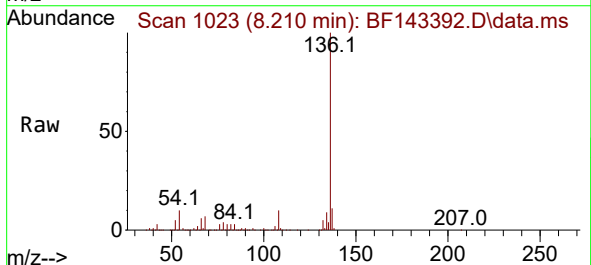
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

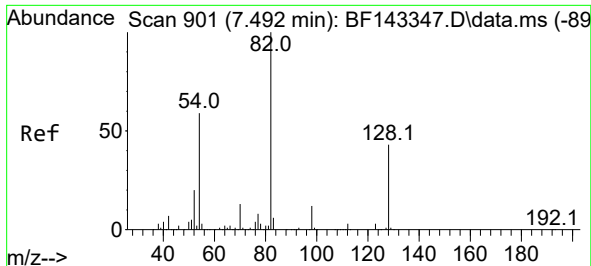
Tgt Ion:	99	Resp:	654335
Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.6	25.0
71	32.8	26.2	39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

Tgt Ion:	136	Resp:	561051
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.2	8.4	12.6
68	7.0	5.9	8.9





#23

Nitrobenzene-d5

Concen: 106.016 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

Instrument :

BNA_F

ClientSampleId :

TW-BP-E

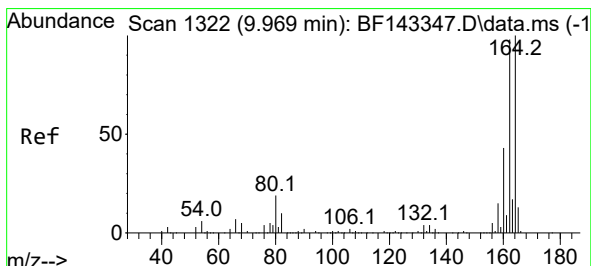
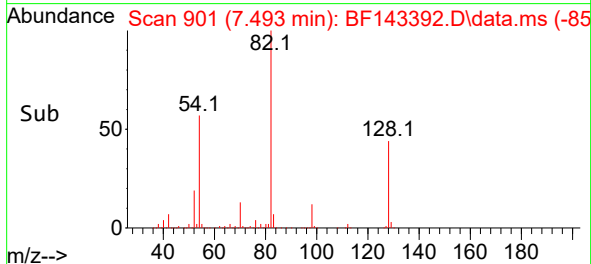
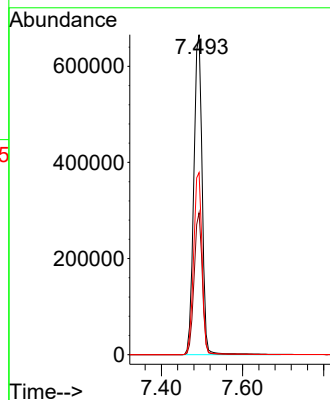
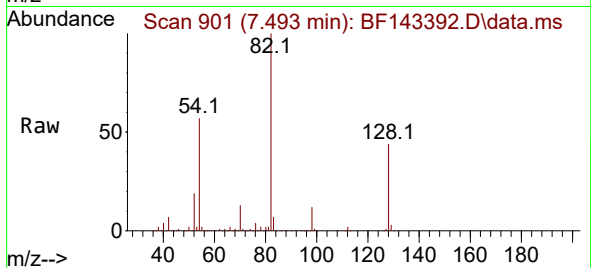
Tgt Ion: 82 Resp: 955148

Ion Ratio Lower Upper

82 100

128 44.3 33.5 50.3

54 56.9 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143392.D

Acq: 14 Aug 2025 20:26

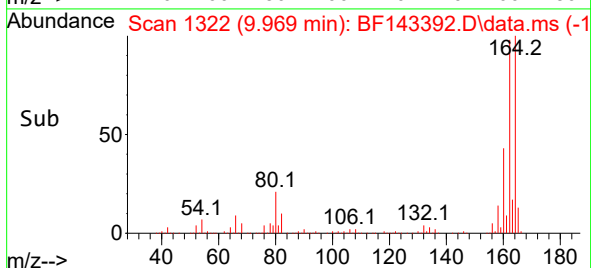
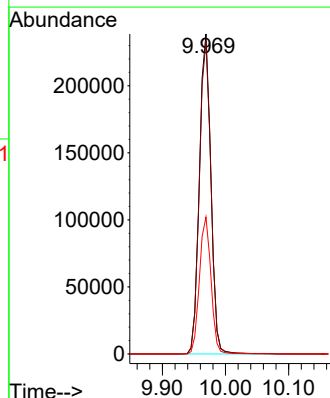
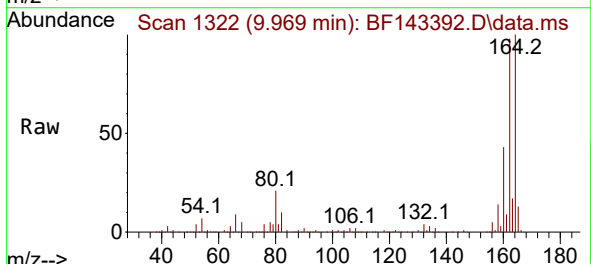
Tgt Ion: 164 Resp: 301049

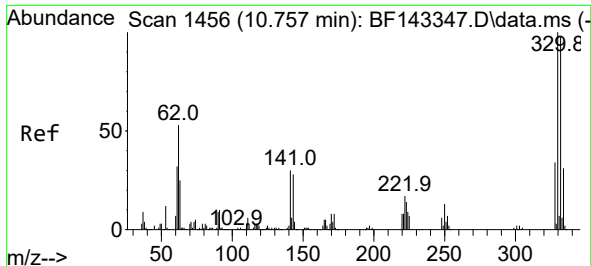
Ion Ratio Lower Upper

164 100

162 97.8 78.6 118.0

160 42.8 34.4 51.6

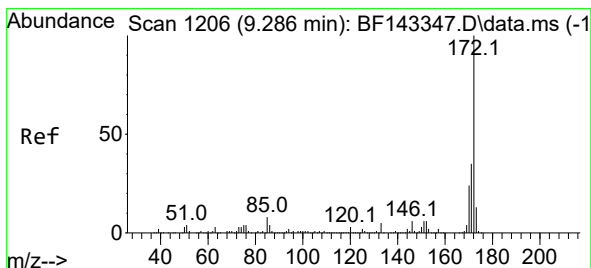
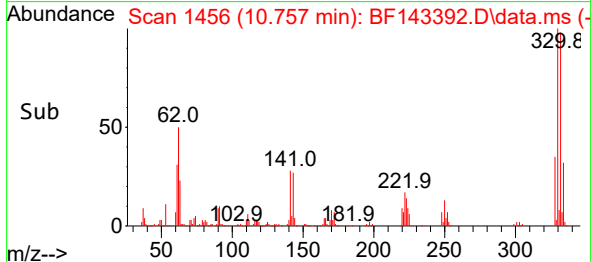
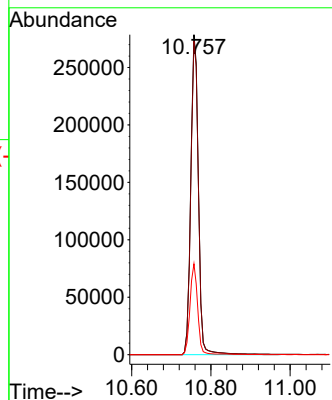
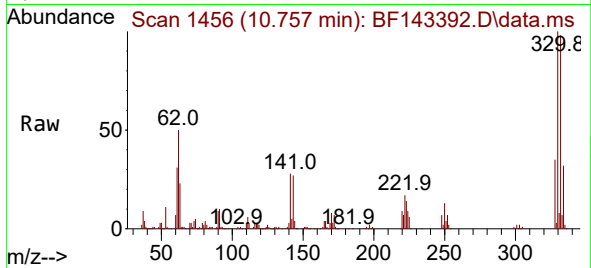




#42
2,4,6-Tribromophenol
Concen: 169.414 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

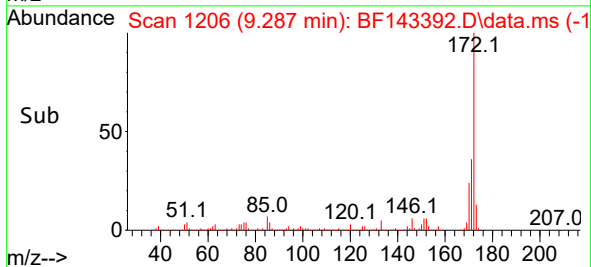
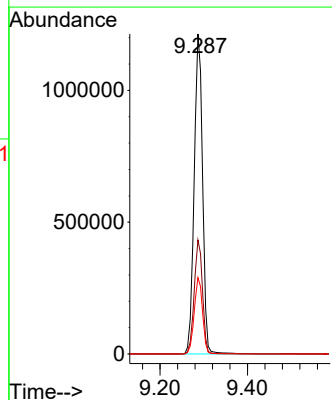
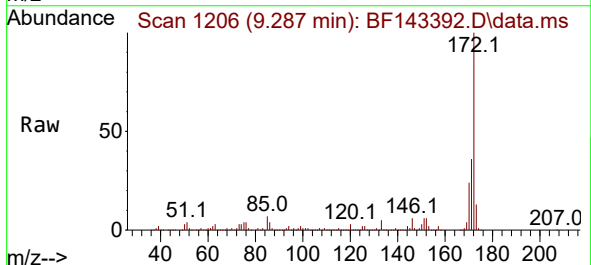
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

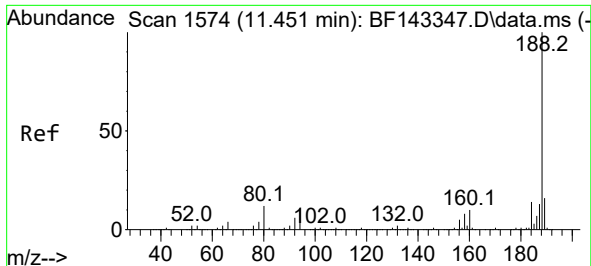
Tgt Ion:330 Resp: 372732
Ion Ratio Lower Upper
330 100
332 97.8 78.1 117.1
141 28.7 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 91.481 ng
RT: 9.287 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

Tgt Ion:172 Resp: 1624069
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.8 19.1 28.7

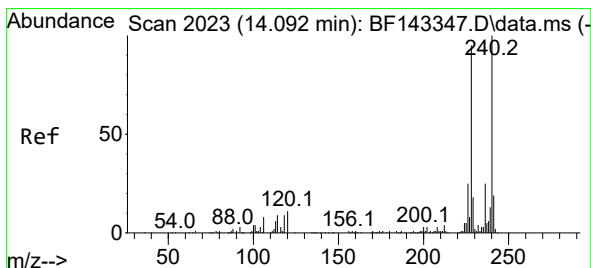
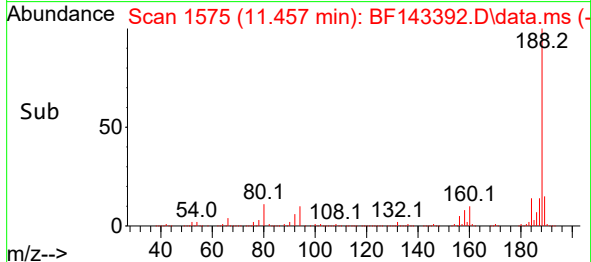
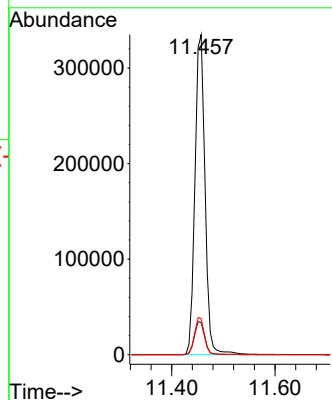
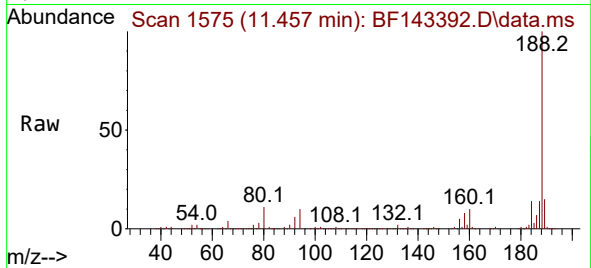




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

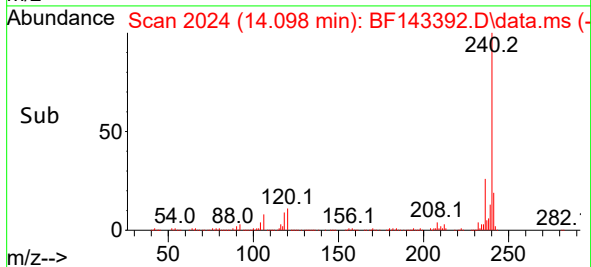
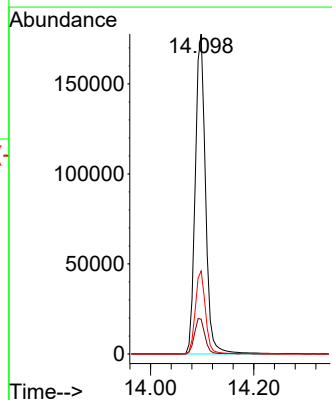
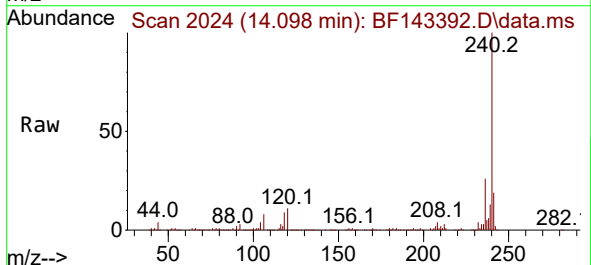
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

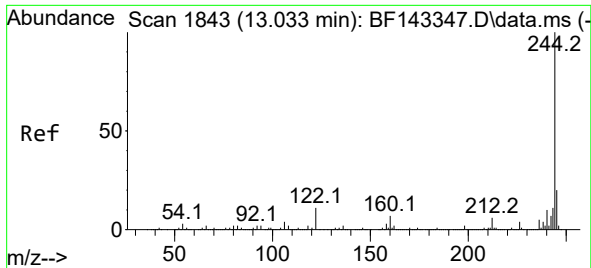
Tgt Ion:188 Resp: 453674
Ion Ratio Lower Upper
188 100
94 10.0 8.8 13.2
80 11.2 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143392.D
Acq: 14 Aug 2025 20:26

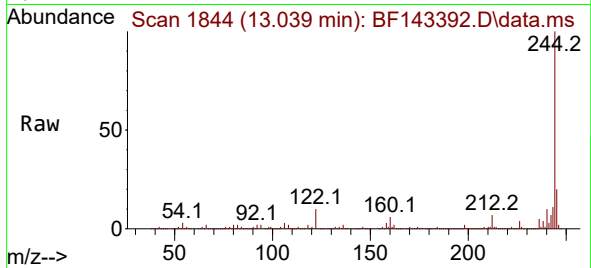
Tgt Ion:240 Resp: 245304
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 26.0 19.9 29.9



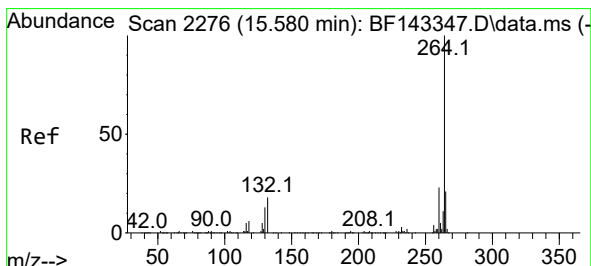
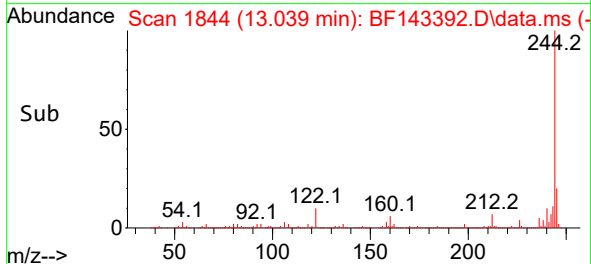
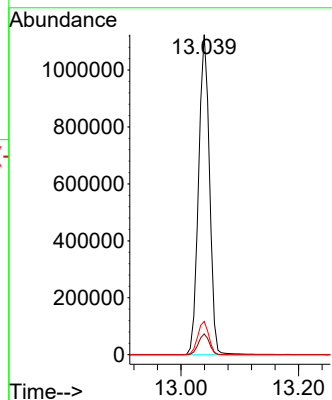


#79
 Terphenyl-d14
 Concen: 105.398 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143392.D
 Acq: 14 Aug 2025 20:26

Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-E

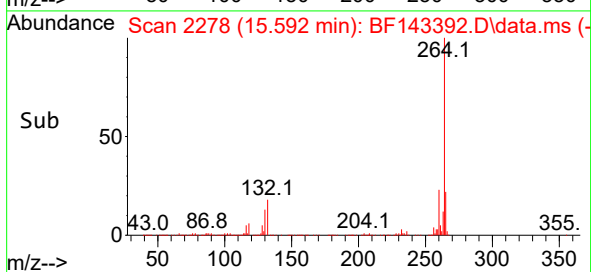
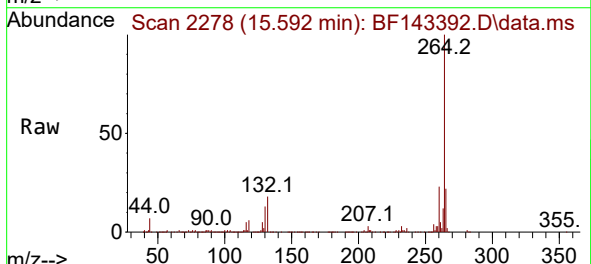
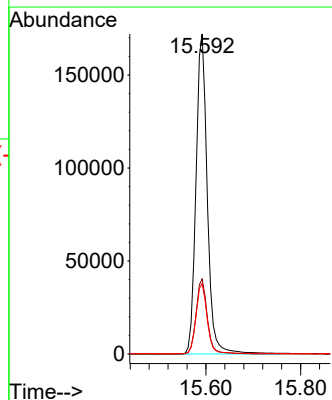


Tgt Ion:244 Resp: 1448163
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 10.4 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143392.D
 Acq: 14 Aug 2025 20:26

Tgt Ion:264 Resp: 285132
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 22.0 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143392.D
Acq On : 14 Aug 2025 20:26
Operator : RC/JU
Sample : Q2814-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143392.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.275	4	14	28	rVB	2745762	4625936	97.60%	15.498%
2	5.163	497	505	519	rBV	199401	291580	6.15%	0.977%
3	5.569	568	574	596	rVB	1850351	2458805	51.88%	8.238%
4	6.563	737	743	762	rBV	1376787	1920759	40.53%	6.435%
5	6.934	801	806	813	rBV	691800	872703	18.41%	2.924%
6	7.493	894	901	911	rBV	2012511	2870151	60.56%	9.616%
7	8.210	1018	1023	1040	rBV	847513	1154167	24.35%	3.867%
8	9.287	1200	1206	1223	rBV	3573951	4739492	100.00%	15.879%
9	9.775	1284	1289	1297	rBV2	28307	61507	1.30%	0.206%
10	9.969	1316	1322	1334	rBV	1000686	1271343	26.82%	4.259%
11	10.681	1438	1443	1450	rBV	173414	224621	4.74%	0.753%
12	10.757	1450	1456	1474	rBV	2056746	2778269	58.62%	9.308%
13	11.457	1569	1575	1583	rBV	835121	1128692	23.81%	3.781%
14	11.975	1659	1663	1679	rBV2	74870	158438	3.34%	0.531%
15	13.039	1838	1844	1849	rBV	2955808	3799310	80.16%	12.729%
16	13.939	1992	1997	2010	rBV2	27448	62060	1.31%	0.208%
17	14.098	2018	2024	2034	rBV	473556	648028	13.67%	2.171%
18	15.592	2271	2278	2290	rBV	463063	782179	16.50%	2.621%

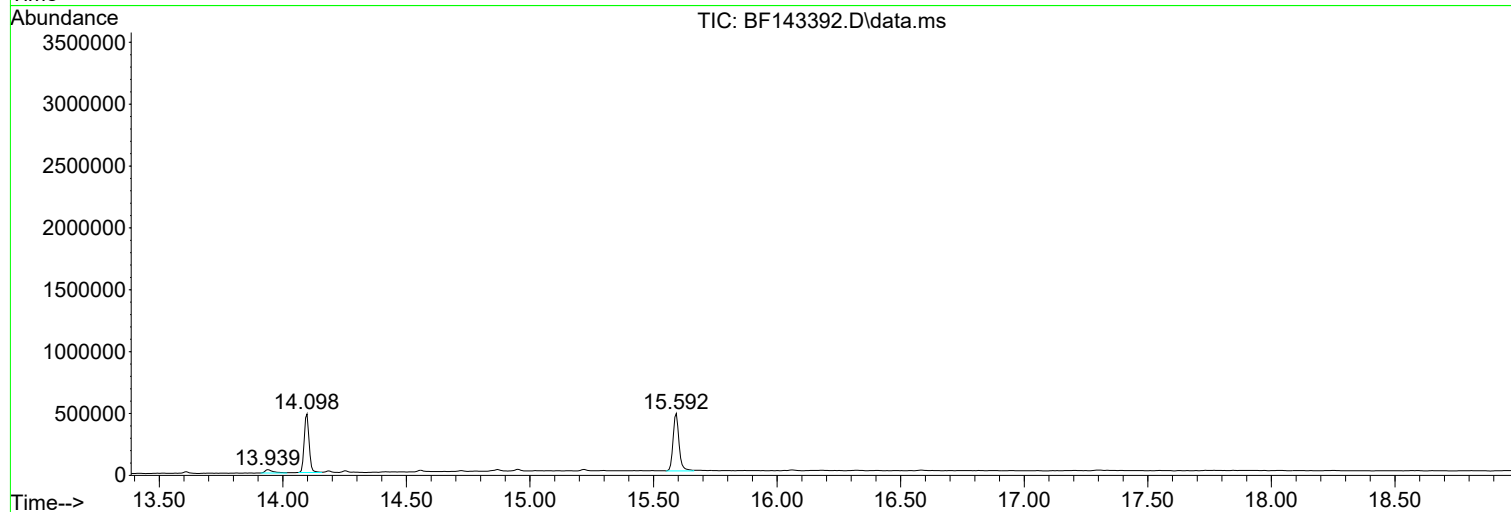
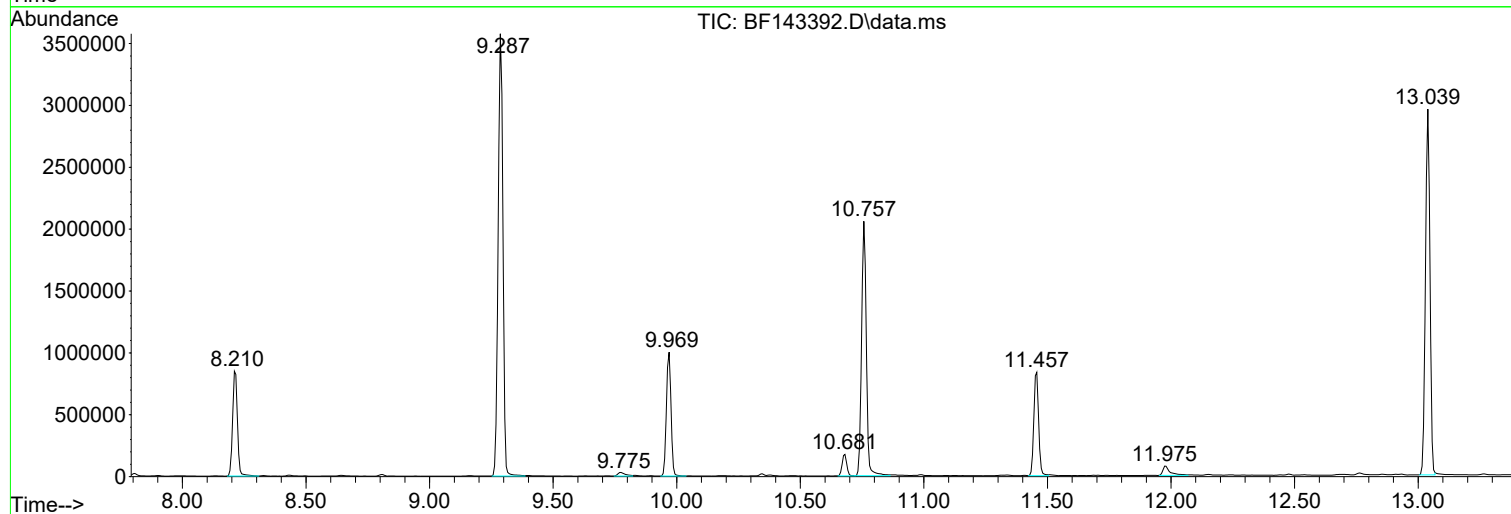
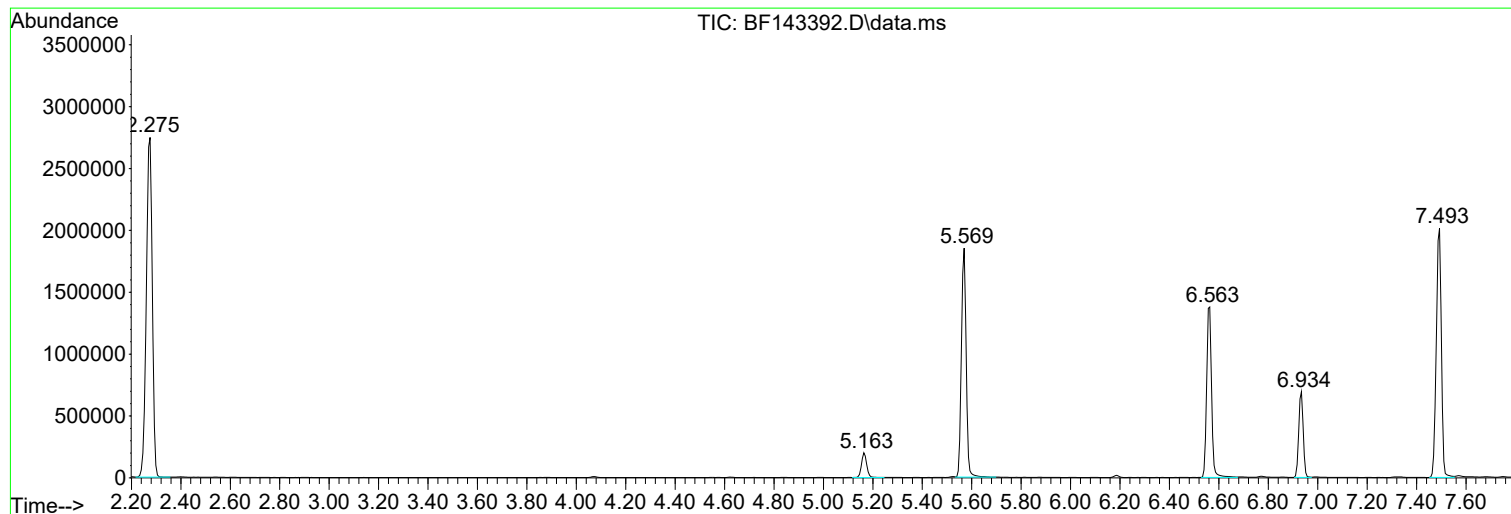
Sum of corrected areas: 29848040

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143392.D
Acq On : 14 Aug 2025 20:26
Operator : RC/JU
Sample : Q2814-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143392.D
Acq On : 14 Aug 2025 20:26
Operator : RC/JU
Sample : Q2814-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-E

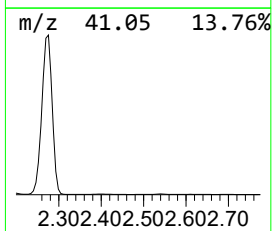
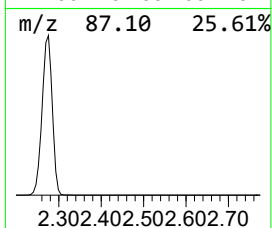
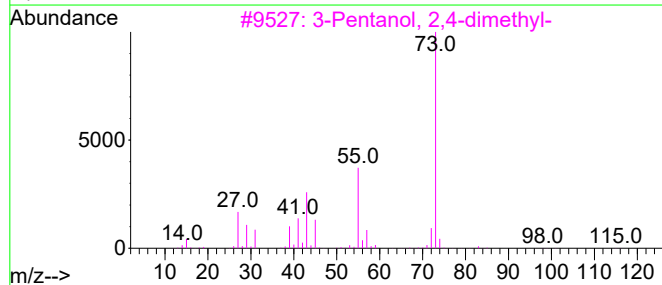
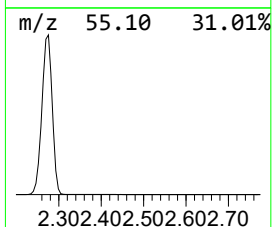
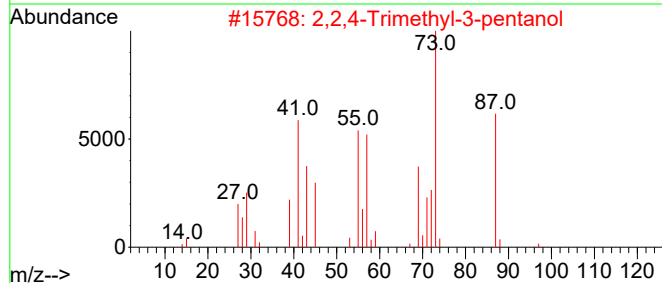
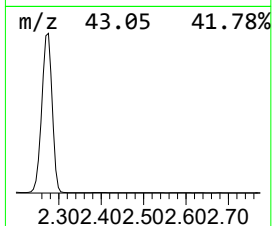
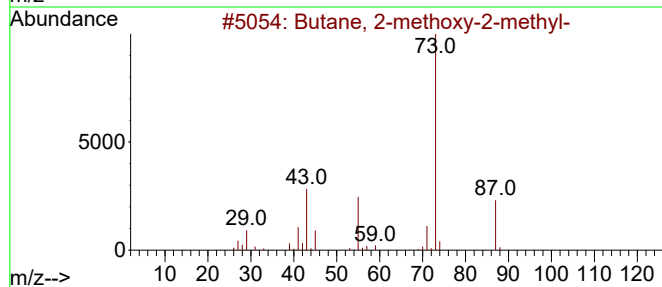
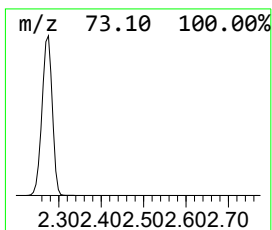
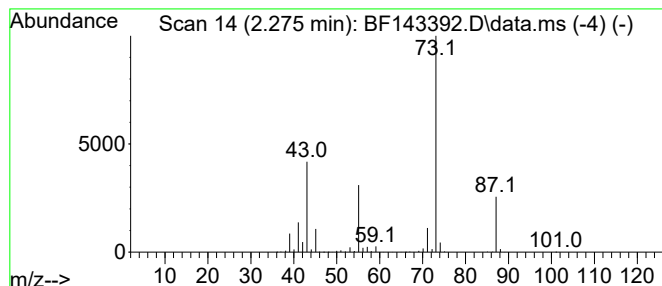
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.275	106.01 ng	4625940	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143392.D
Acq On : 14 Aug 2025 20:26
Operator : RC/JU
Sample : Q2814-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

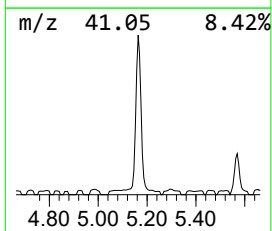
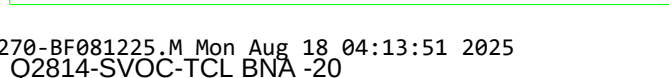
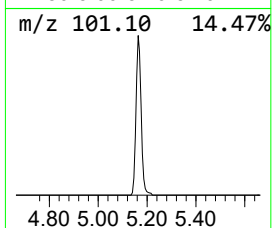
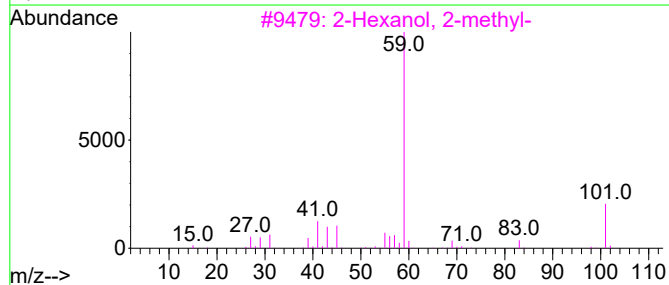
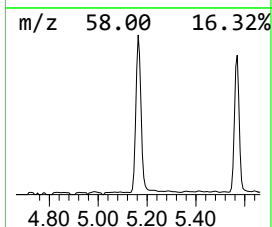
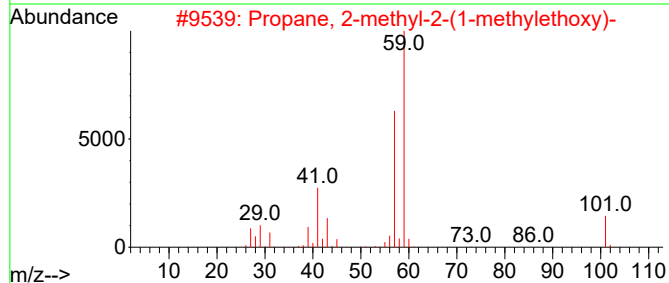
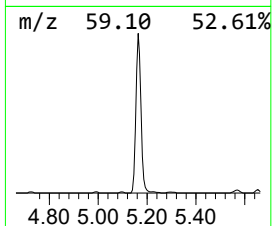
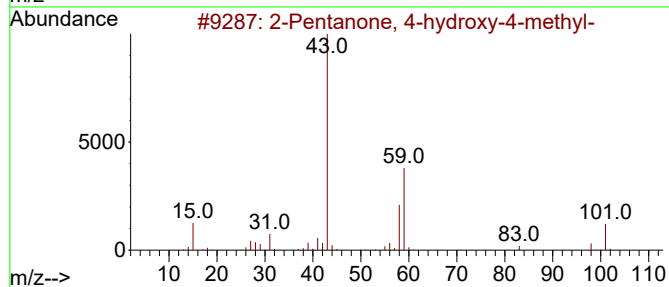
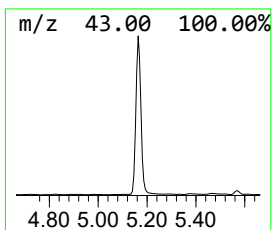
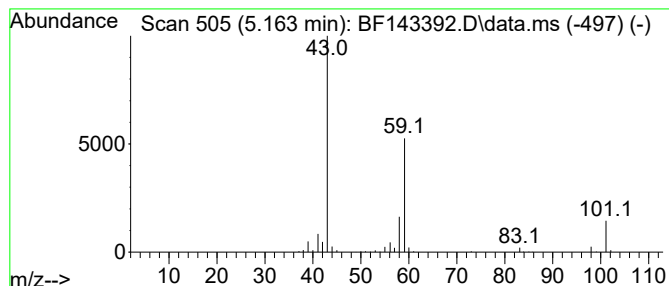
Instrument :
BNA_F
ClientSampleId :
TW-BP-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.163	6.68 ng	291580	1,4-Dichlorobenzene-d4			6.934
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...		116	C7H16O	017348-59-3	36
3	2-Hexanol, 2-methyl-		116	C7H16O	000625-23-0	33
4	Acetic acid, cyano-, 1,1-dimethy...		141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate		100	C5H8O2	000108-22-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143392.D
Acq On : 14 Aug 2025 20:26
Operator : RC/JU
Sample : Q2814-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-E

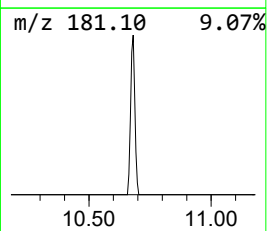
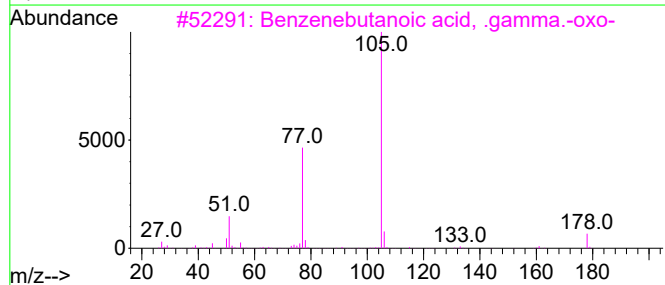
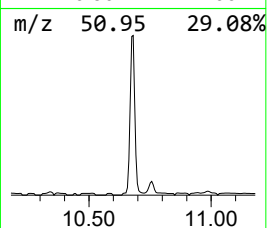
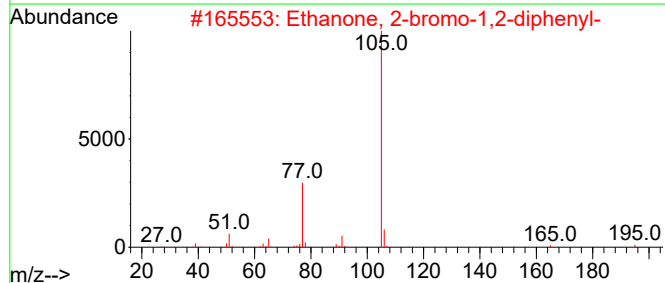
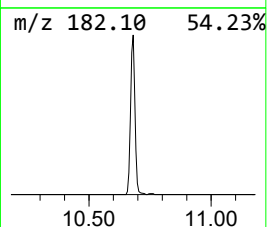
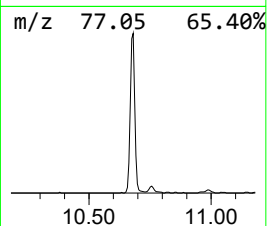
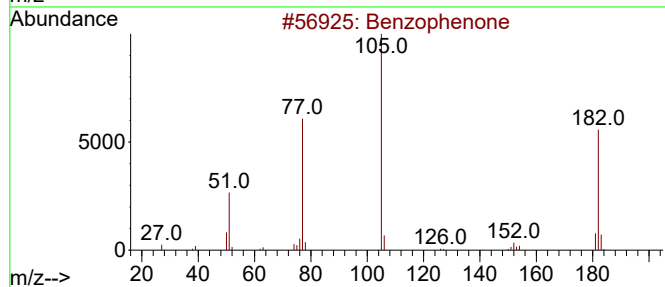
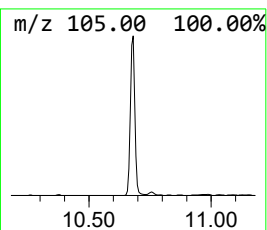
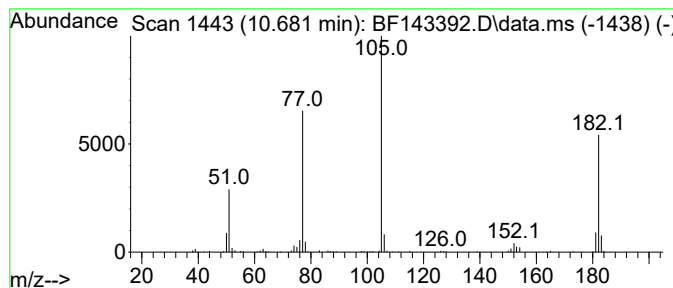
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	3.53 ng	224621	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Ethanone, 2-bromo-1,2-diphenyl-	274	C14H11BrO	001484-50-0	47
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143392.D
Acq On : 14 Aug 2025 20:26
Operator : RC/JU
Sample : Q2814-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-E

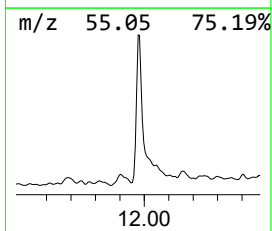
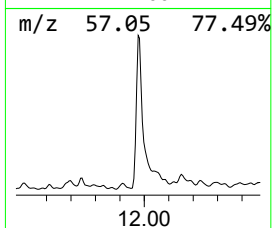
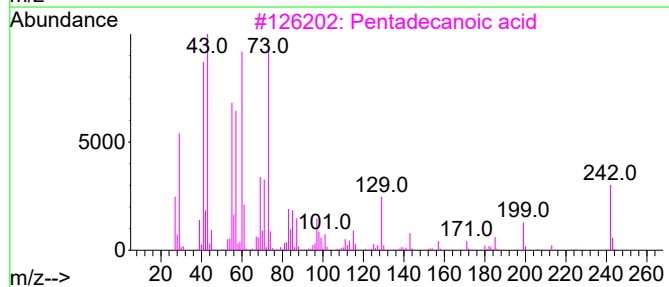
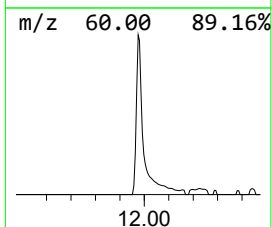
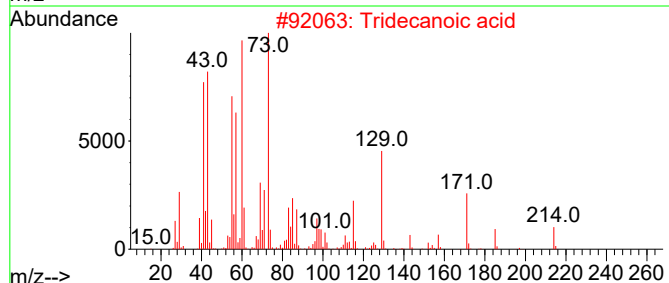
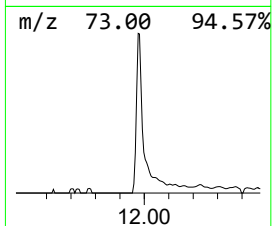
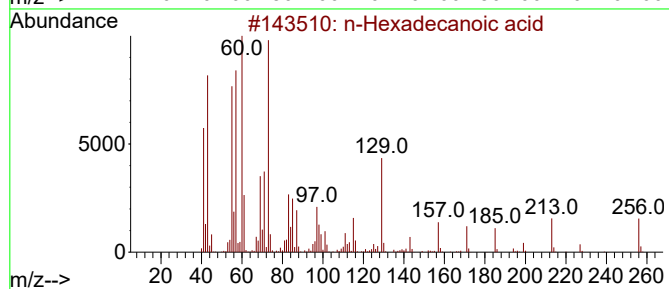
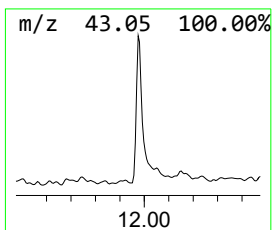
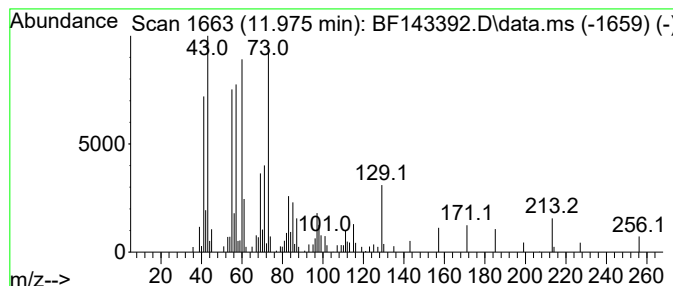
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	2.81 ng	158438	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5			n-Decanoic acid	172	C10H20O2	000334-48-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143392.D
Acq On : 14 Aug 2025 20:26
Operator : RC/JU
Sample : Q2814-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.275	106.0	ng	4625940	1	6.934	872703	20.0
2-Pentanone, 4-...	5.163	6.7	ng	291580	1	6.934	872703	20.0
Benzophenone	10.681	3.5	ng	224621	3	9.969	1271340	20.0
n-Hexadecanoic ...	11.975	2.8	ng	158438	4	11.457	1128690	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-15	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143393.D	1	08/12/25 09:55	08/14/25 20:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-15	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143393.D	1	08/12/25 09:55	08/14/25 20:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-15	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143393.D	1	08/12/25 09:55	08/14/25 20:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	72.8		19 - 119	49%	SPK: 150
13127-88-3	Phenol-d6	56.9		10 - 130	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.8		44 - 120	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.6		44 - 119	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	153		43 - 140	102%	SPK: 150
1718-51-0	Terphenyl-d14	97.2		50 - 134	97%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	145000	6.934
1146-65-2	Naphthalene-d8	553000	8.216
15067-26-2	Acenaphthene-d10	297000	9.969
1517-22-2	Phenanthrene-d10	447000	11.457
1719-03-5	Chrysene-d12	248000	14.098
1520-96-3	Perylene-d12	287000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	98.2	JB	2.26	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.10	AB	5.16	ug/L
000119-61-9	Benzophenone	5.90	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	3.50	J	12.0	ug/L
000112-95-8	Eicosane	3.50	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-15	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143393.D	1	08/12/25 09:55	08/14/25 20:56	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

Quant Time: Aug 15 01:34:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	145496	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	552631	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	297448	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	446811	20.000	ng	0.00
76) Chrysene-d12	14.098	240	248119	20.000	ng	0.00
86) Perylene-d12	15.592	264	287001	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	612169	72.758	ng	0.00
7) Phenol-d6	6.563	99	613561	56.866	ng	0.00
23) Nitrobenzene-d5	7.492	82	832224	93.780	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	333673	153.497	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1466529	83.607	ng	0.00
79) Terphenyl-d14	13.039	244	1350271	97.159	ng	0.00

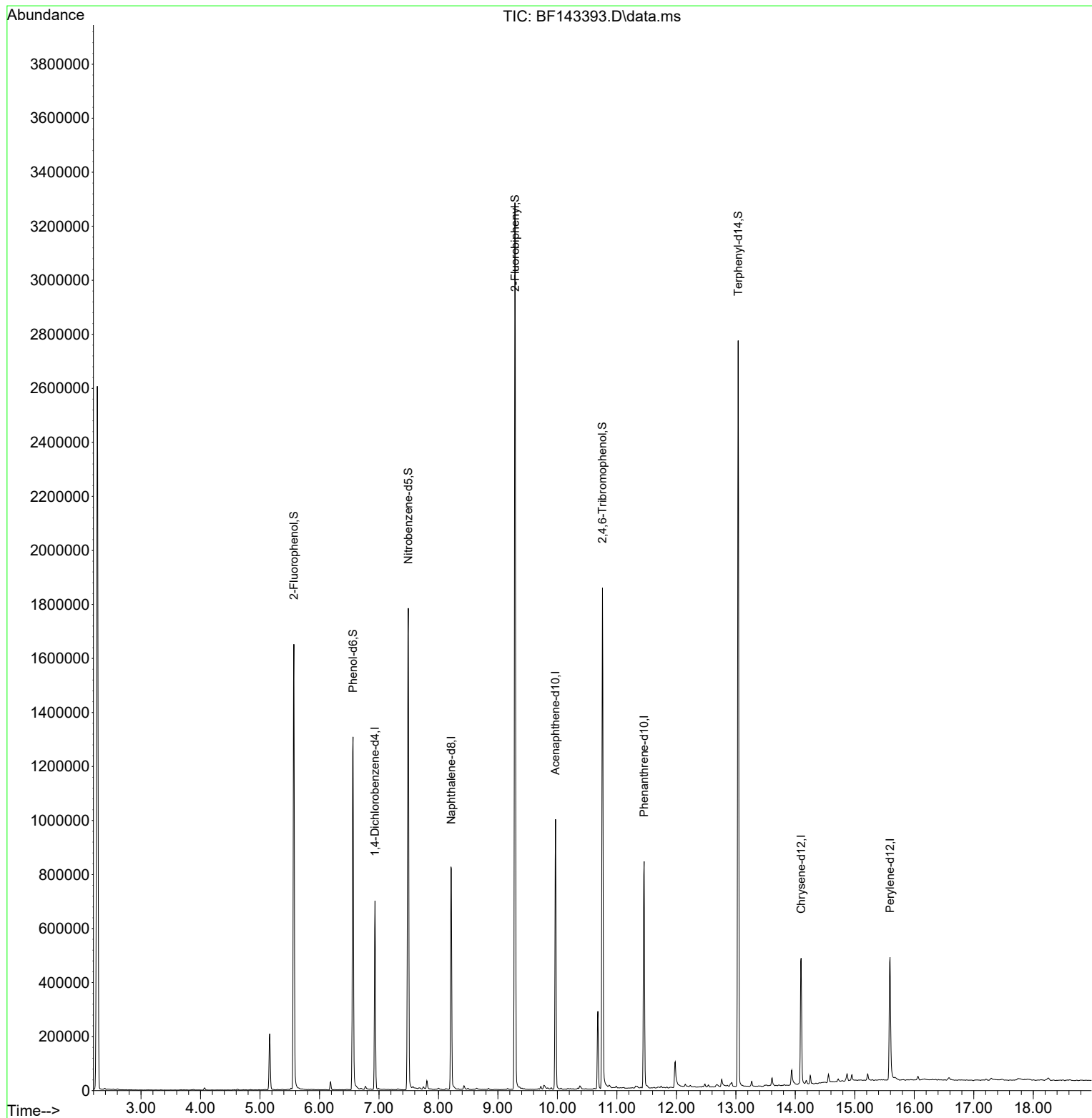
Target Compounds	Qvalue
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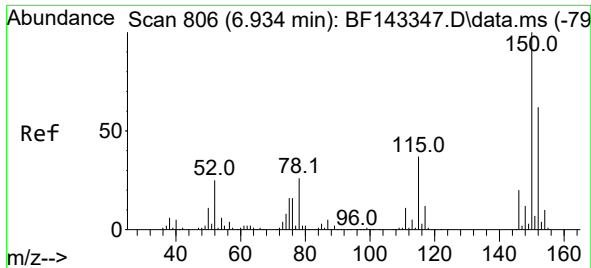
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

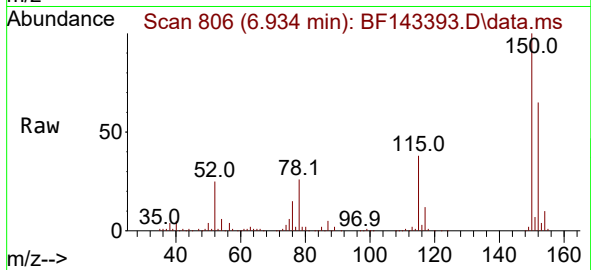
Quant Time: Aug 15 01:34:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



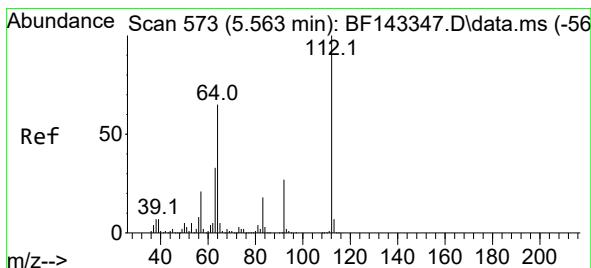
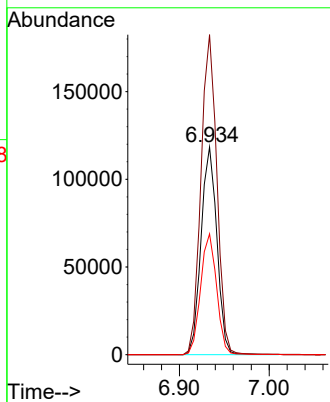
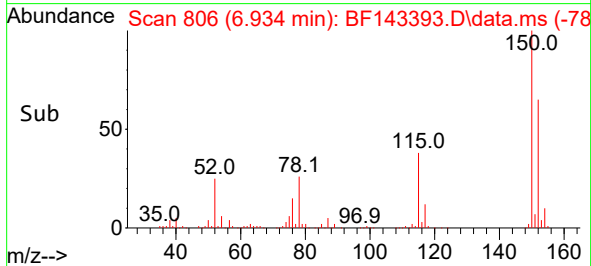


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143393.D
 Acq: 14 Aug 2025 20:56

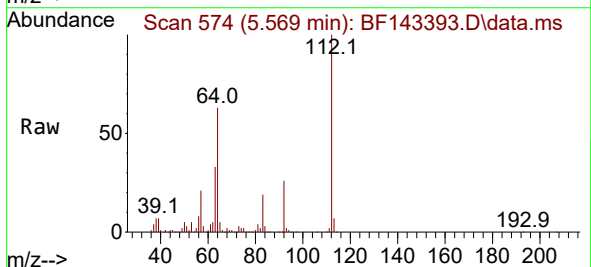
Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-W



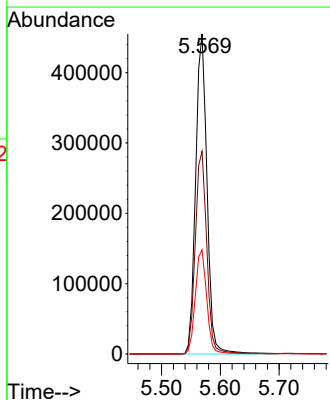
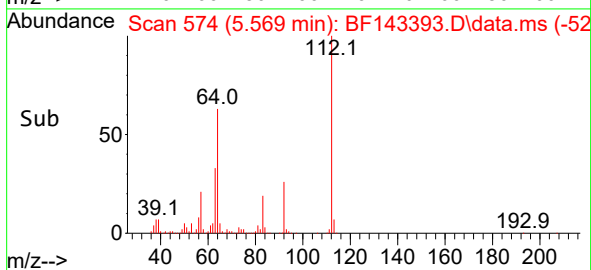
Tgt Ion:152 Resp: 145496
 Ion Ratio Lower Upper
 152 100
 150 154.1 129.8 194.8
 115 58.1 47.8 71.8

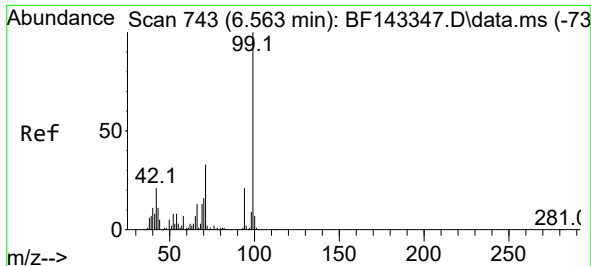


#5
 2-Fluorophenol
 Concen: 72.758 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143393.D
 Acq: 14 Aug 2025 20:56



Tgt Ion:112 Resp: 612169
 Ion Ratio Lower Upper
 112 100
 64 63.3 52.1 78.1
 63 32.6 26.6 39.8

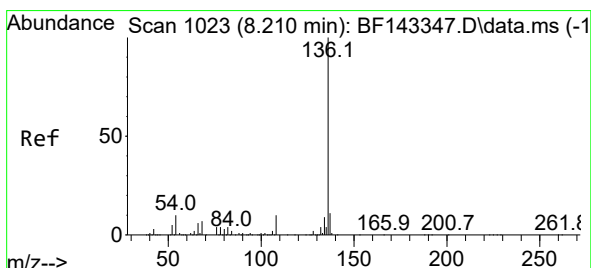
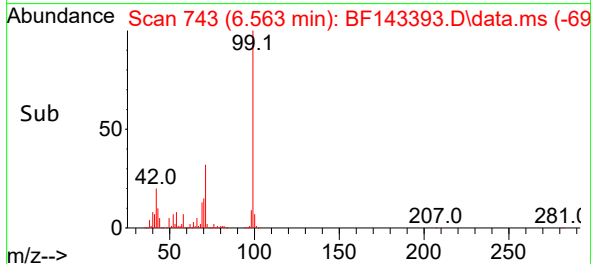
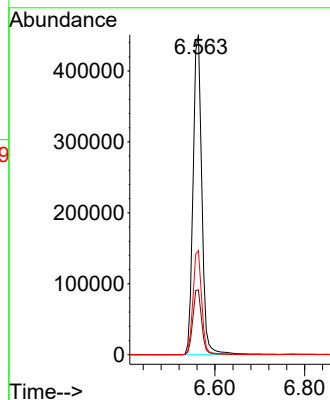
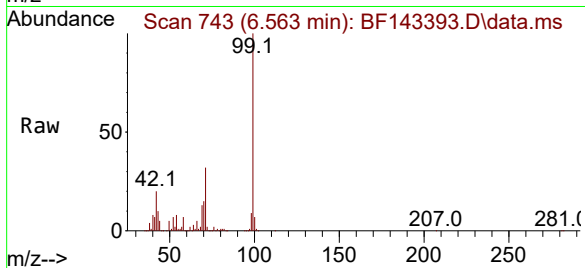




#7
Phenol-d6
Concen: 56.866 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

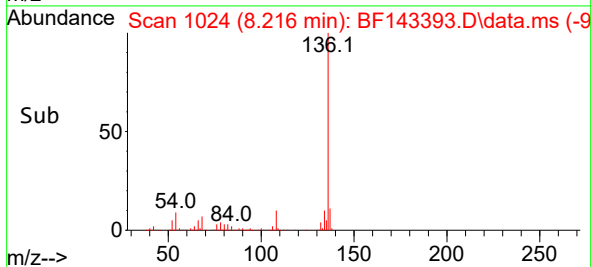
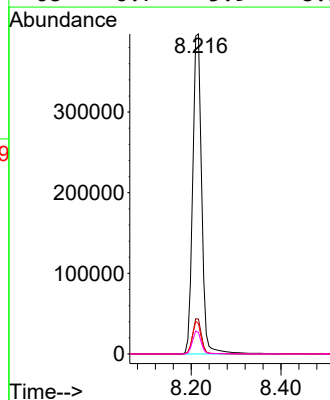
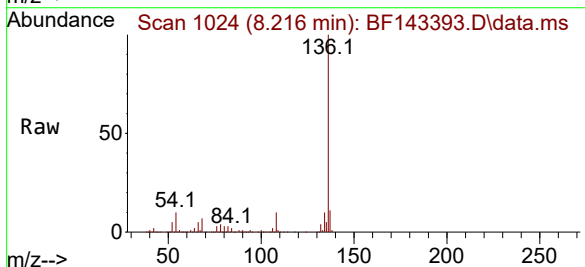
Instrument :
BNA_F
ClientSampleId :
TW-BP-W

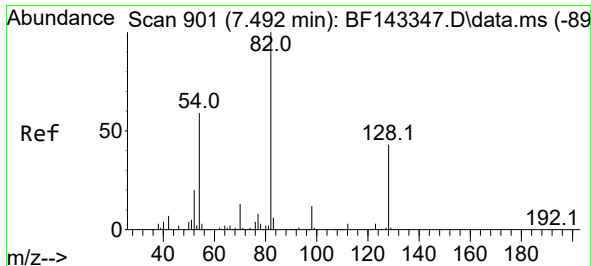
Tgt Ion: 99 Resp: 613561
Ion Ratio Lower Upper
99 100
42 20.2 16.6 25.0
71 32.5 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Tgt Ion: 136 Resp: 552631
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 8.4 12.6
68 6.7 5.9 8.9





#23

Nitrobenzene-d5

Concen: 93.780 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-W

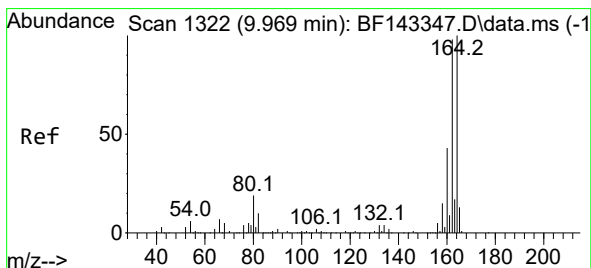
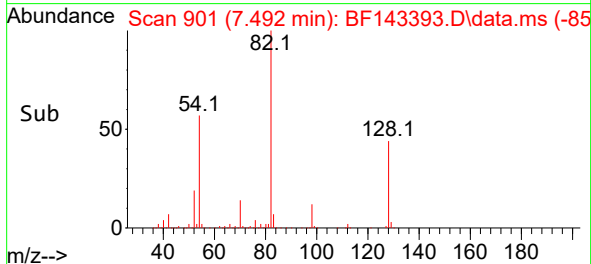
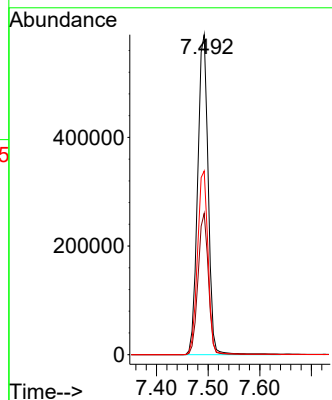
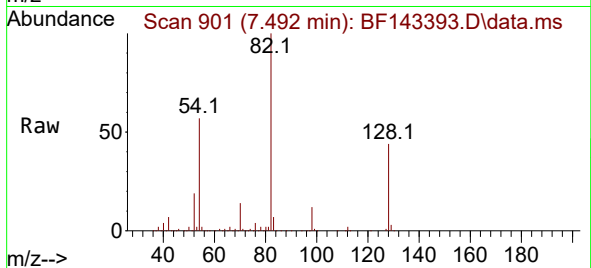
Tgt Ion: 82 Resp: 832224

Ion Ratio Lower Upper

82 100

128 44.2 33.5 50.3

54 57.4 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

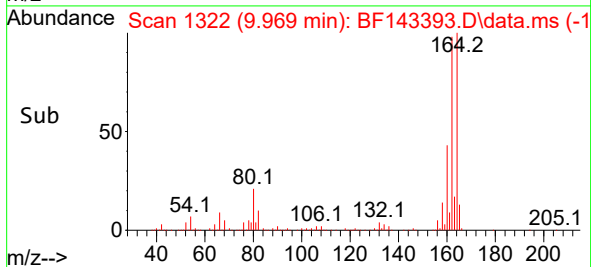
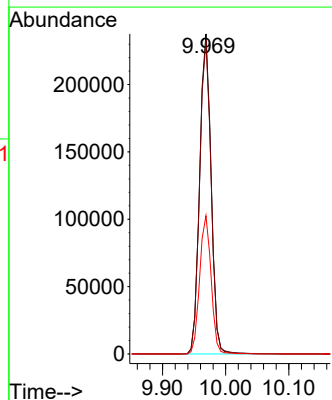
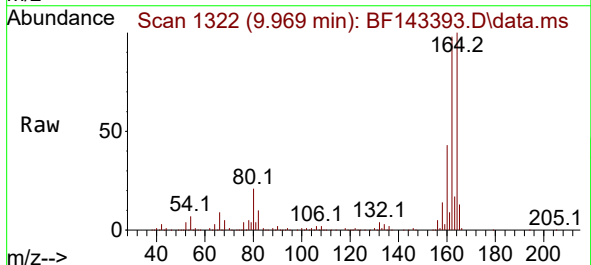
Tgt Ion: 164 Resp: 297448

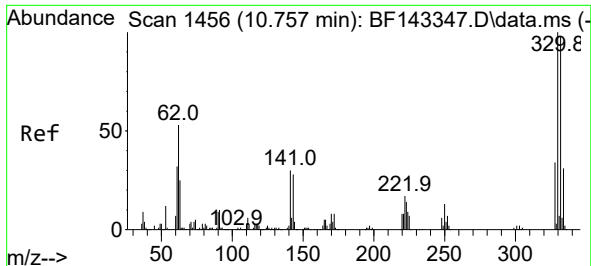
Ion Ratio Lower Upper

164 100

162 98.0 78.6 118.0

160 43.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 153.497 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143393.D

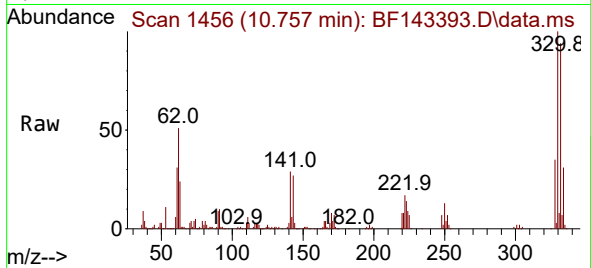
Acq: 14 Aug 2025 20:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-W



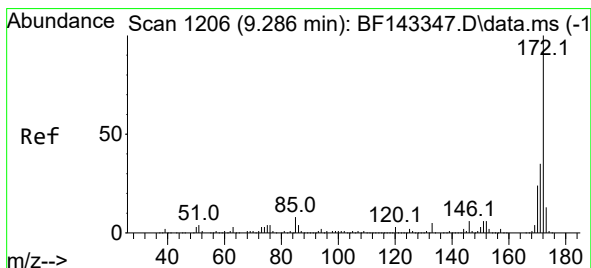
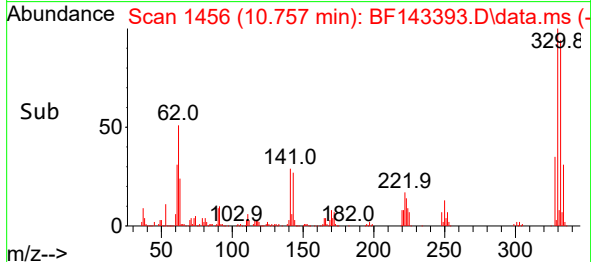
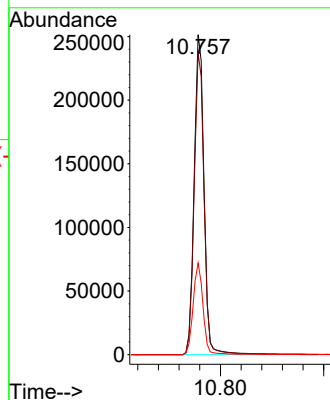
Tgt Ion:330 Resp: 333673

Ion Ratio Lower Upper

330 100

332 94.6 78.1 117.1

141 29.0 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 83.607 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

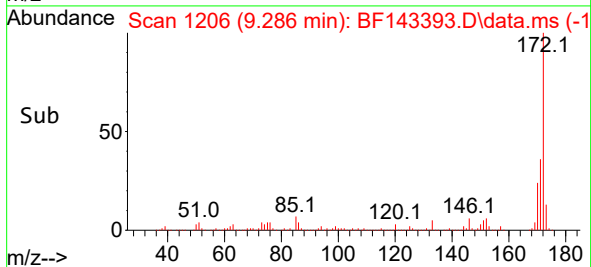
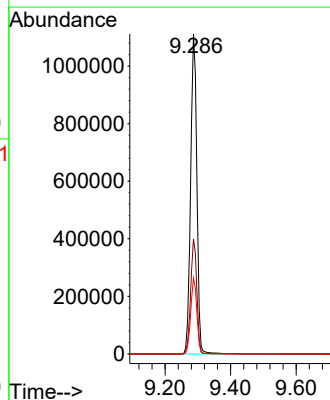
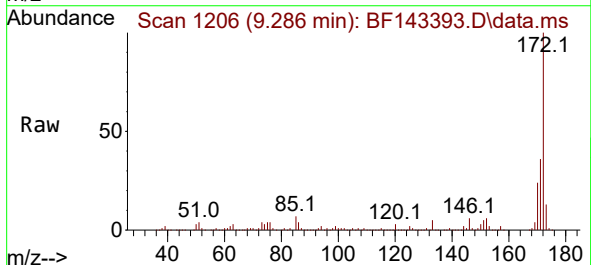
Tgt Ion:172 Resp: 1466529

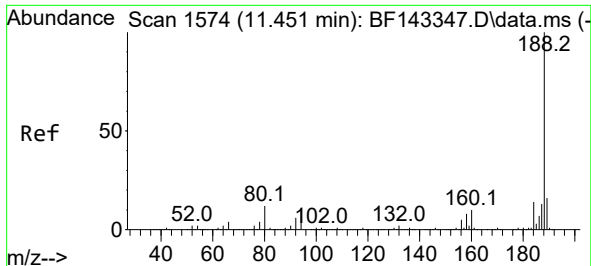
Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.6 19.1 28.7

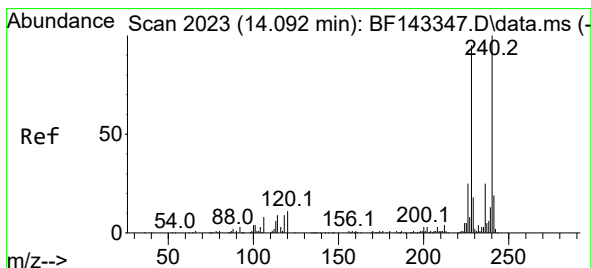
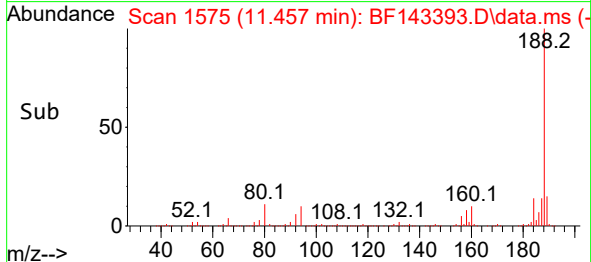
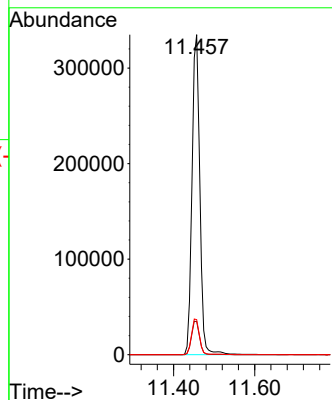
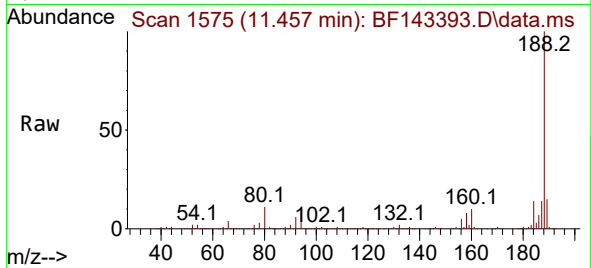




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

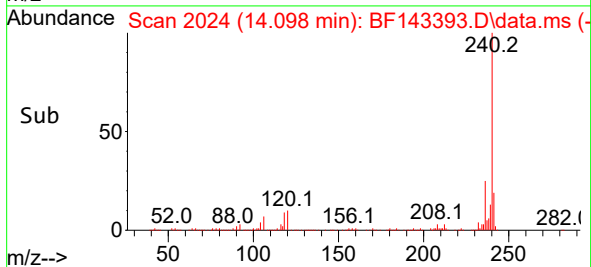
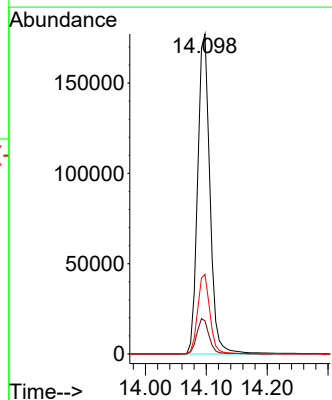
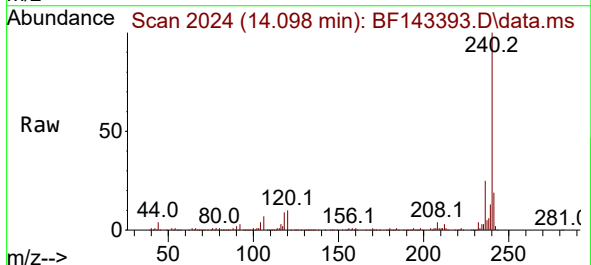
Instrument :
BNA_F
ClientSampleId :
TW-BP-W

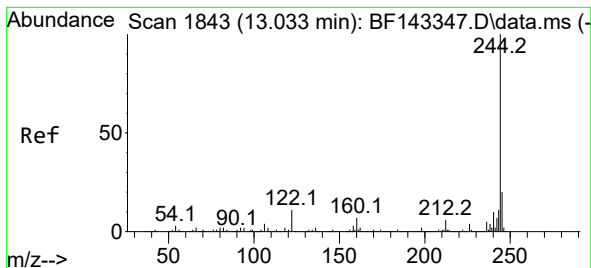
Tgt Ion:188 Resp: 446811
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 11.0 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Tgt Ion:240 Resp: 248119
Ion Ratio Lower Upper
240 100
120 10.3 9.0 13.6
236 24.9 19.9 29.9





#79

Terphenyl-d14

Concen: 97.159 ng

RT: 13.039 min Scan# 1843

Delta R.T. 0.006 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-W

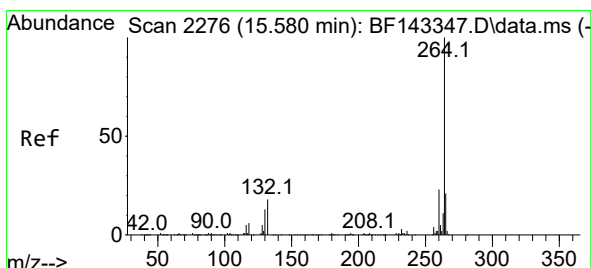
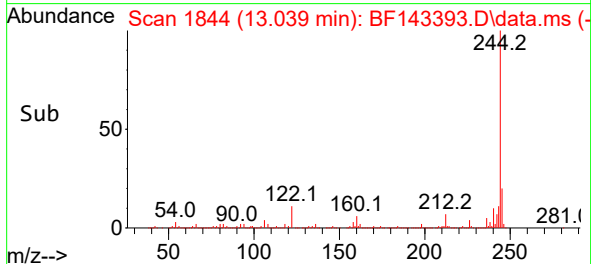
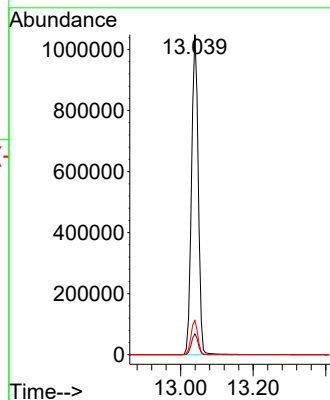
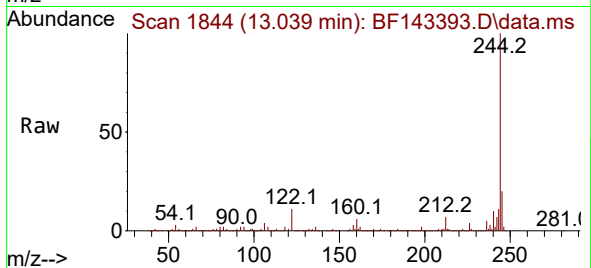
Tgt Ion:244 Resp: 1350271

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.7 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

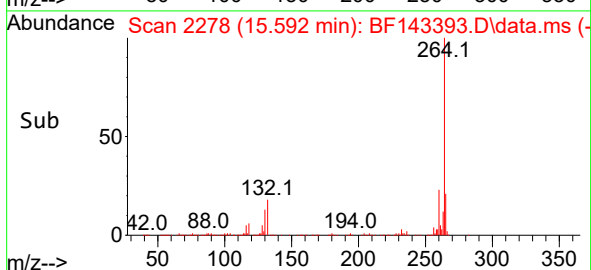
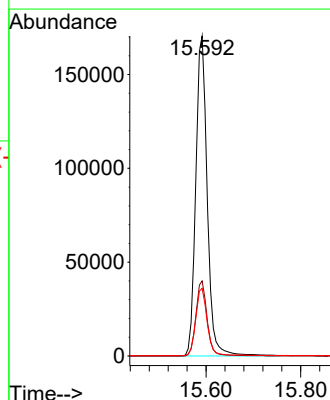
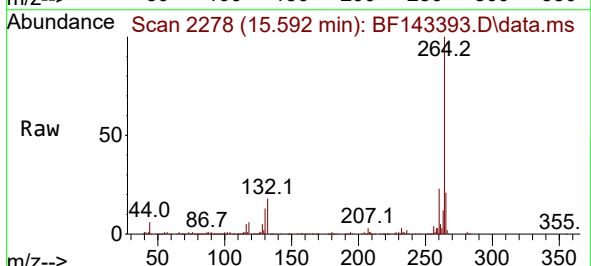
Tgt Ion:264 Resp: 287001

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.1 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143393.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	4	12	27	rVB	2602518	4235548	98.89%	15.138%
2	5.163	498	505	522	rVB	207714	306396	7.15%	1.095%
3	5.569	568	574	594	rVB	1646396	2214229	51.70%	7.914%
4	6.563	737	743	763	rBV	1306042	1801594	42.06%	6.439%
5	6.934	801	806	813	rBV	698455	862794	20.14%	3.084%
6	7.492	894	901	911	rBV	1782517	2516170	58.75%	8.993%
7	7.804	950	954	965	rVB	30591	43260	1.01%	0.155%
8	8.210	1018	1023	1040	rBV	823185	1132794	26.45%	4.049%
9	9.286	1200	1206	1218	rBV	3282307	4283038	100.00%	15.308%
10	9.969	1316	1322	1334	rBV	998732	1256786	29.34%	4.492%
11	10.680	1438	1443	1450	rBV	286949	368090	8.59%	1.316%
12	10.757	1450	1456	1471	rBV	1853466	2463209	57.51%	8.804%
13	11.457	1569	1575	1593	rVB	838872	1126836	26.31%	4.027%
14	11.980	1659	1664	1680	rBV2	95262	198076	4.62%	0.708%
15	12.763	1793	1797	1809	rBV	26780	54304	1.27%	0.194%
16	13.039	1838	1844	1849	rBV	2760982	3530439	82.43%	12.618%
17	13.610	1937	1941	1949	rVB	28881	43019	1.00%	0.154%
18	13.939	1992	1997	2012	rBV	55102	114044	2.66%	0.408%
19	14.098	2018	2024	2034	rVB	463784	643960	15.04%	2.302%
20	15.592	2272	2278	2290	rBV	452864	785289	18.33%	2.807%

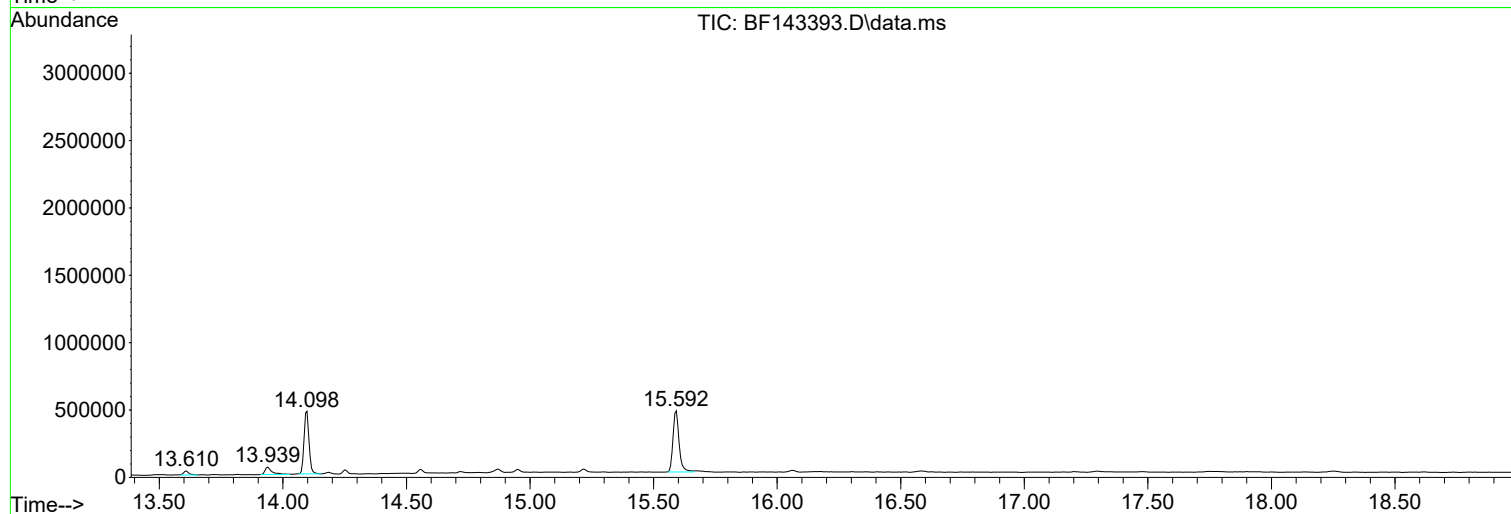
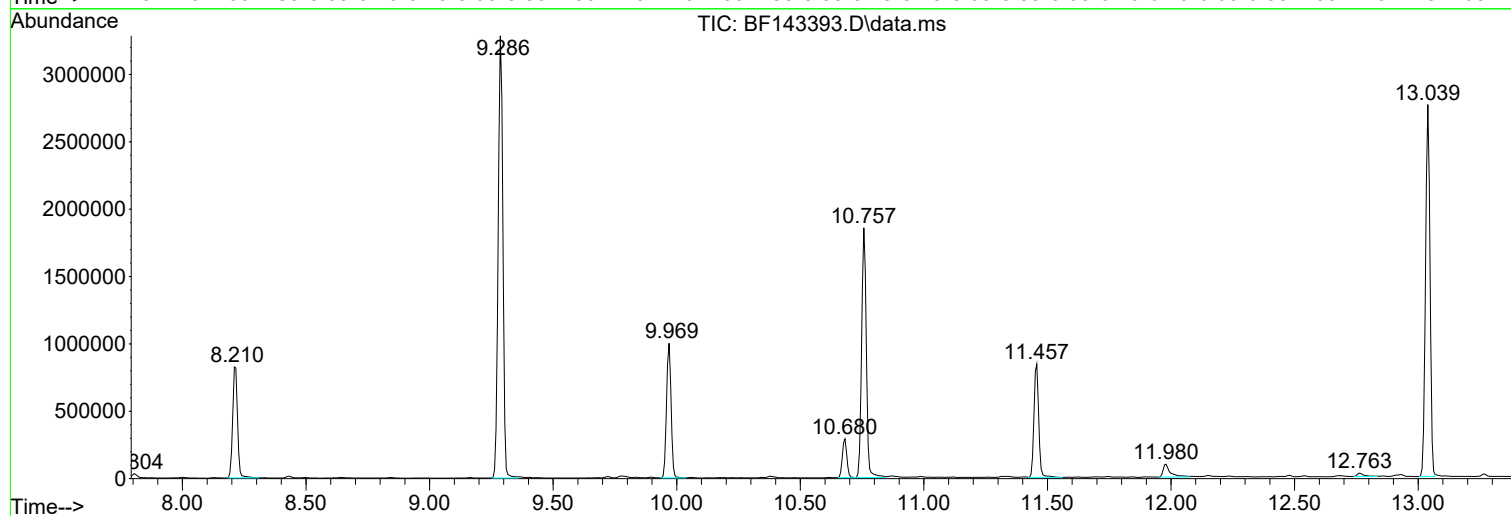
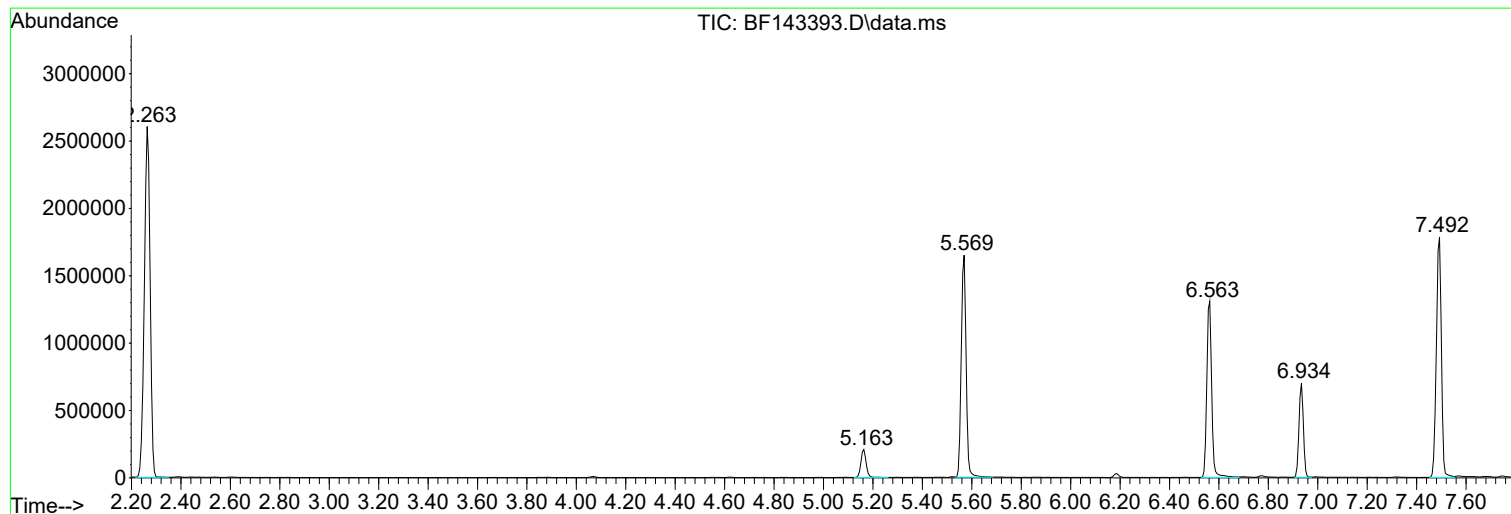
Sum of corrected areas: 27979875

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

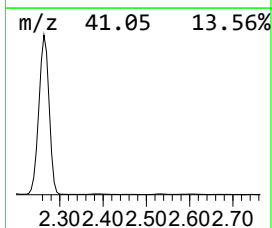
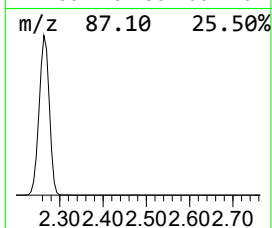
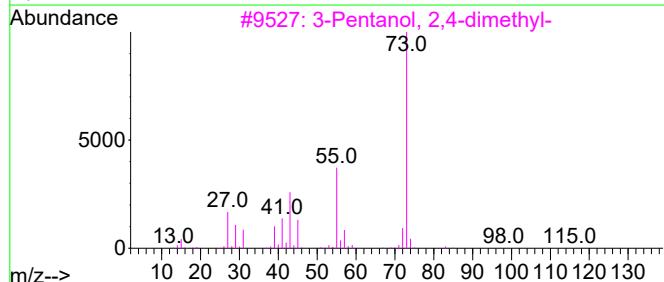
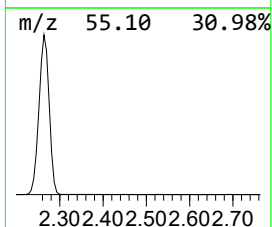
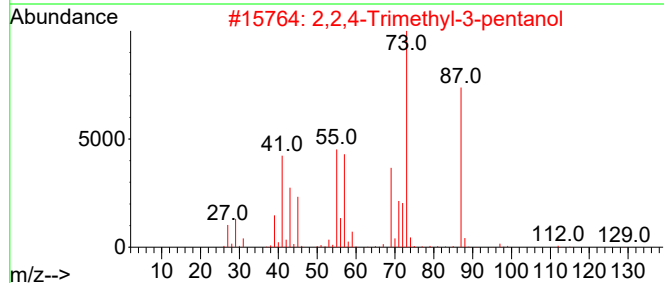
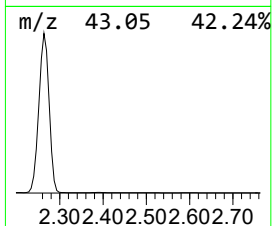
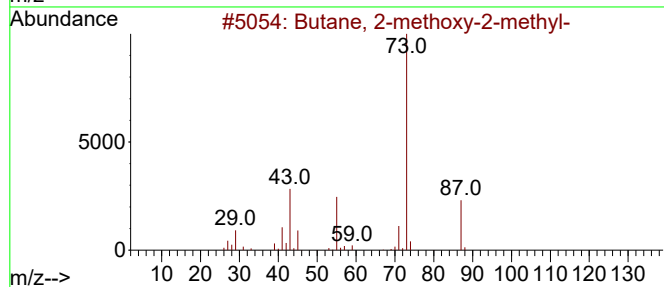
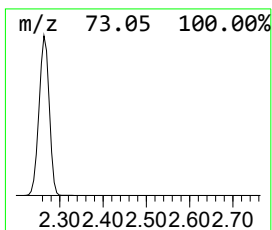
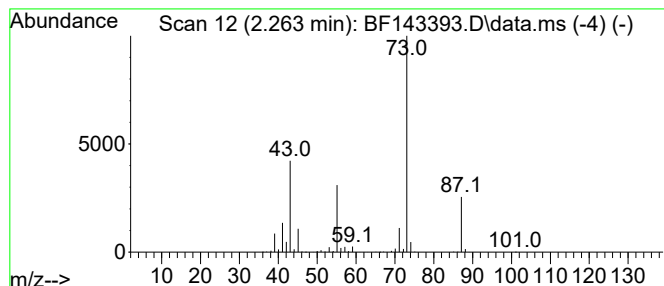
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	98.18 ng	4235550	1,4-Dichlorobenzene-d4	6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5		Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

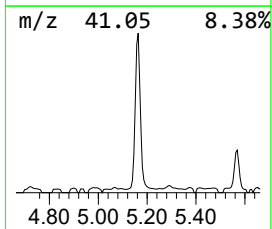
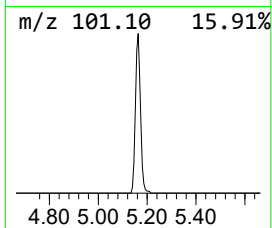
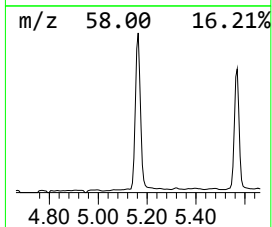
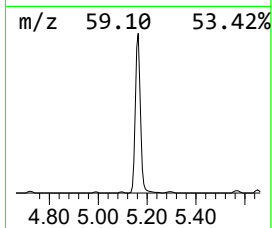
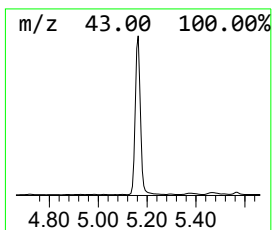
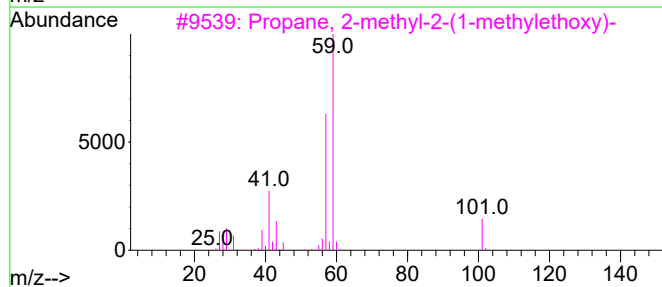
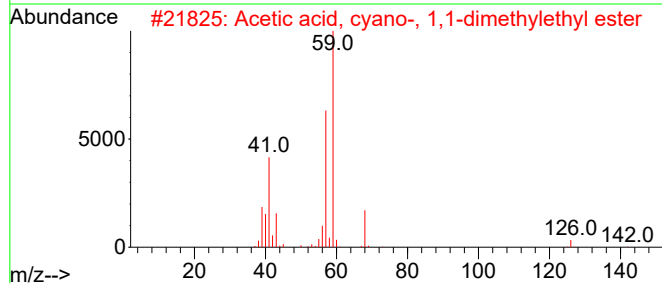
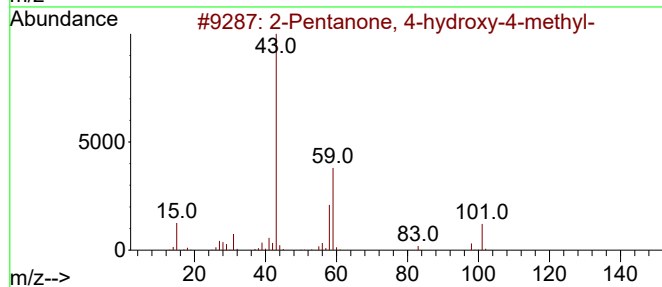
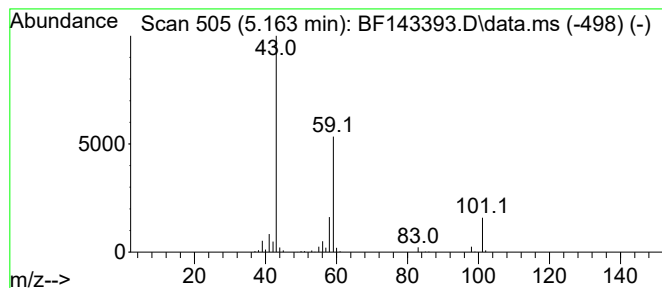
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.163	7.10 ng	306396	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

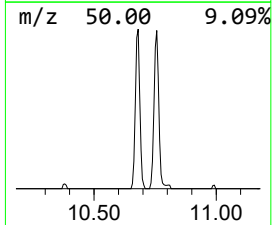
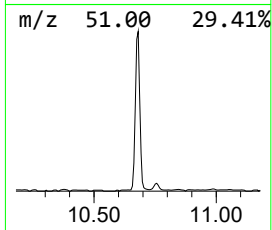
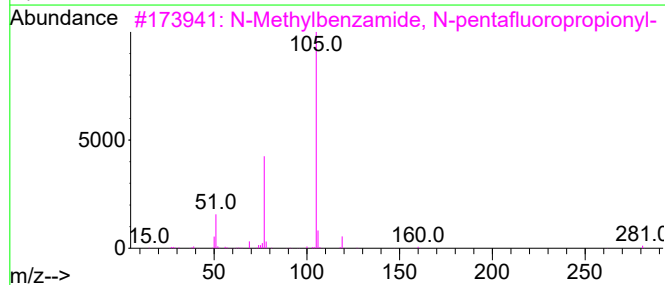
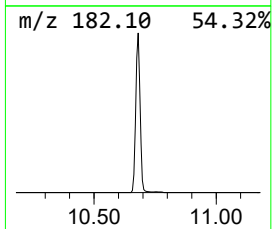
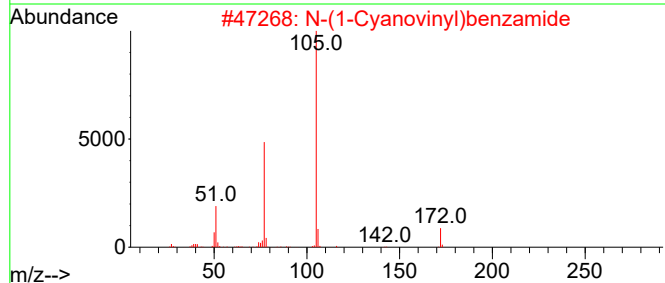
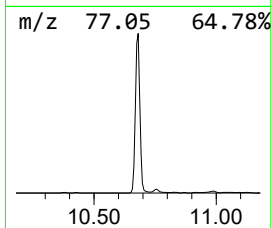
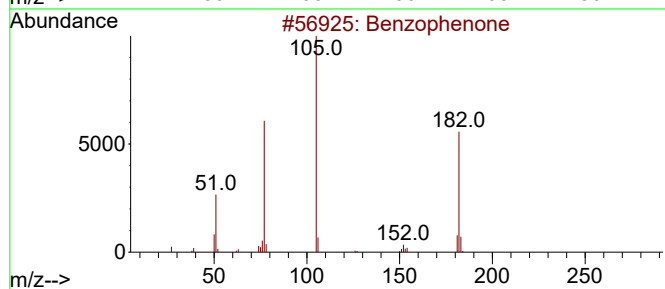
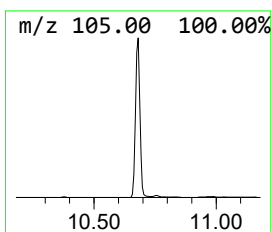
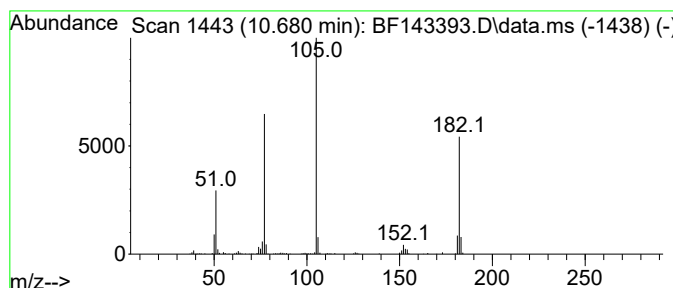
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	5.86 ng	368090	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	50
3			N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	50
4			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	50
5			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

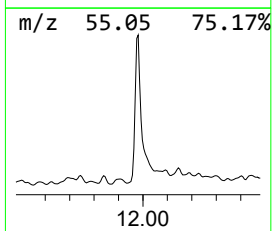
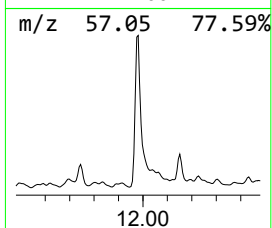
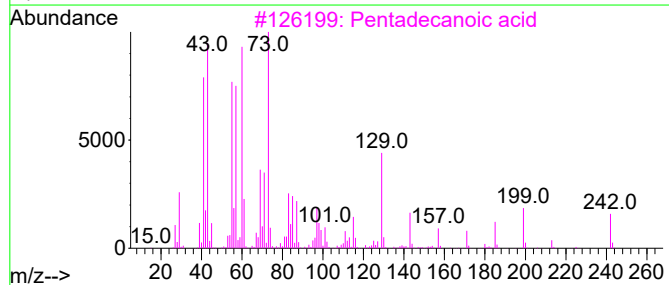
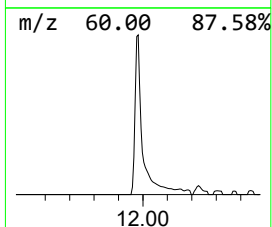
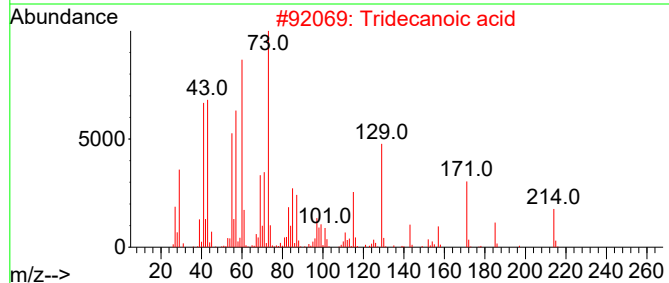
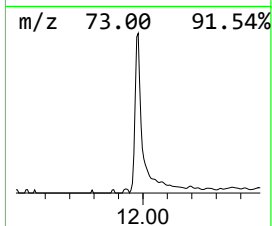
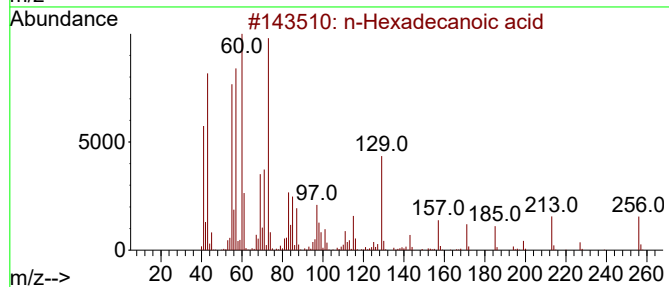
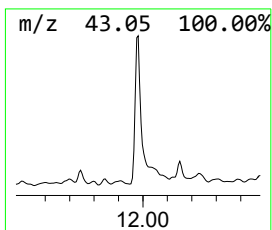
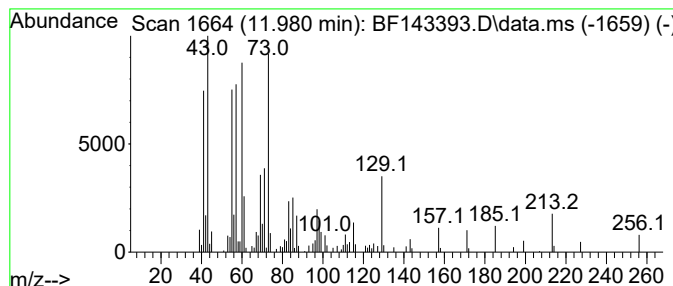
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	3.52 ng	198076	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5			n-Decanoic acid	172	C10H20O2	000334-48-5	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

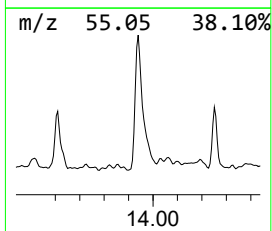
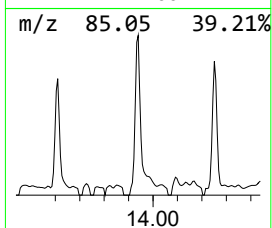
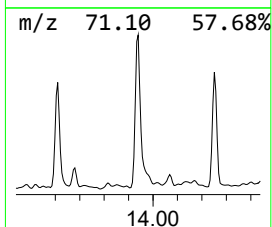
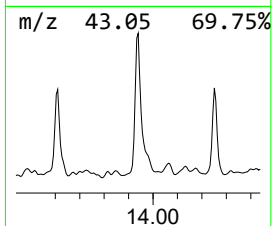
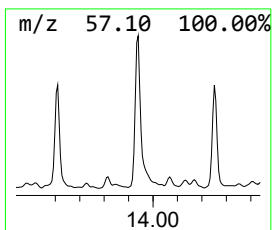
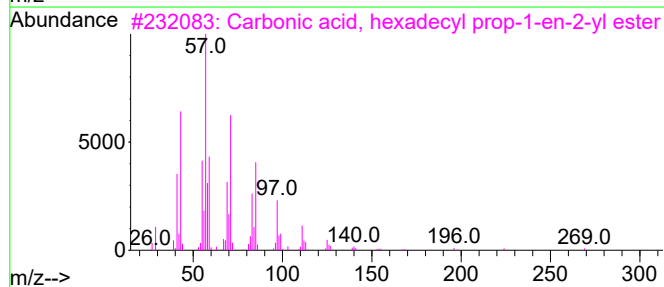
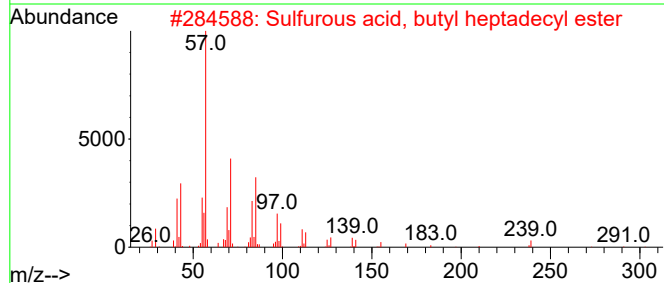
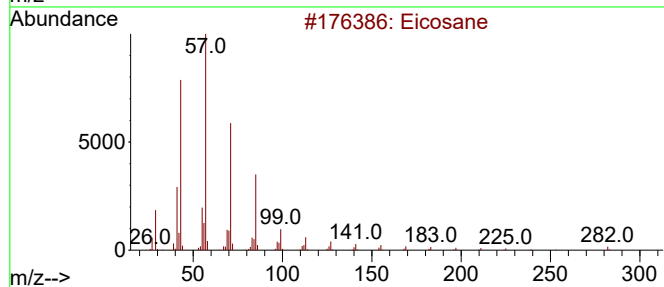
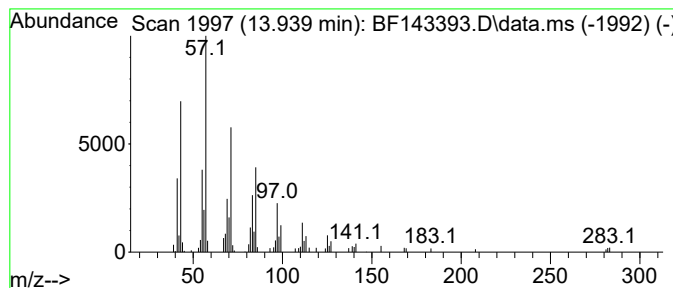
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	3.54 ng	114044	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	95
2			Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	91
3			Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	91
4			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	91
5			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143393.D
Acq On : 14 Aug 2025 20:56
Operator : RC/JU
Sample : Q2814-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.263	98.2	ng	4235550	1	6.934	862794	20.0
2-Pentanone, 4-...	5.163	7.1	ng	306396	1	6.934	862794	20.0
Benzophenone	10.680	5.9	ng	368090	3	9.969	1256790	20.0
n-Hexadecanoic ...	11.980	3.5	ng	198076	4	11.457	1126840	20.0
Eicosane	13.939	3.5	ng	114044	5	14.098	643960	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143396.D	1	08/12/25 09:55	08/14/25 22:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143396.D	1	08/12/25 09:55	08/14/25 22:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143396.D	1	08/12/25 09:55	08/14/25 22:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	91.0		19 - 119	61%	SPK: 150
13127-88-3	Phenol-d6	70.2		10 - 130	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	120		44 - 120	120%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		44 - 119	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	196		43 - 140	131%	SPK: 150
1718-51-0	Terphenyl-d14	115		50 - 134	115%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	151000	6.934
1146-65-2	Naphthalene-d8	594000	8.21
15067-26-2	Acenaphthene-d10	320000	9.969
1517-22-2	Phenanthrene-d10	473000	11.457
1719-03-5	Chrysene-d12	271000	14.098
1520-96-3	Perylene-d12	338000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	96.9	JB	2.29	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.80	AB	5.17	ug/L
000149-57-5	Hexanoic acid, 2-ethyl-	21.4	J	7.63	ug/L
132739-31-2	1-(1-tert-Butoxypropan-2-yloxy)pro	2.80	J	8.43	ug/L
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	5.50	J	8.46	ug/L
	unknown8.581	4.70	J	8.58	ug/L
	unknown15.680	4.70	J	15.7	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143396.D	1	08/12/25 09:55	08/14/25 22:26	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
Operator : RC/JU
Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB

Quant Time: Aug 15 03:28:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	150641	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	593779	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	319866	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	472967	20.000	ng	0.00
76) Chrysene-d12	14.098	240	271036	20.000	ng	0.00
86) Perylene-d12	15.592	264	338281	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	792473	90.971	ng	0.01
7) Phenol-d6	6.563	99	784702	70.244	ng	0.00
23) Nitrobenzene-d5	7.493	82	1141927	119.761	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	459211	196.441	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1917270	101.643	ng	0.00
79) Terphenyl-d14	13.039	244	1743923	114.874	ng	0.00

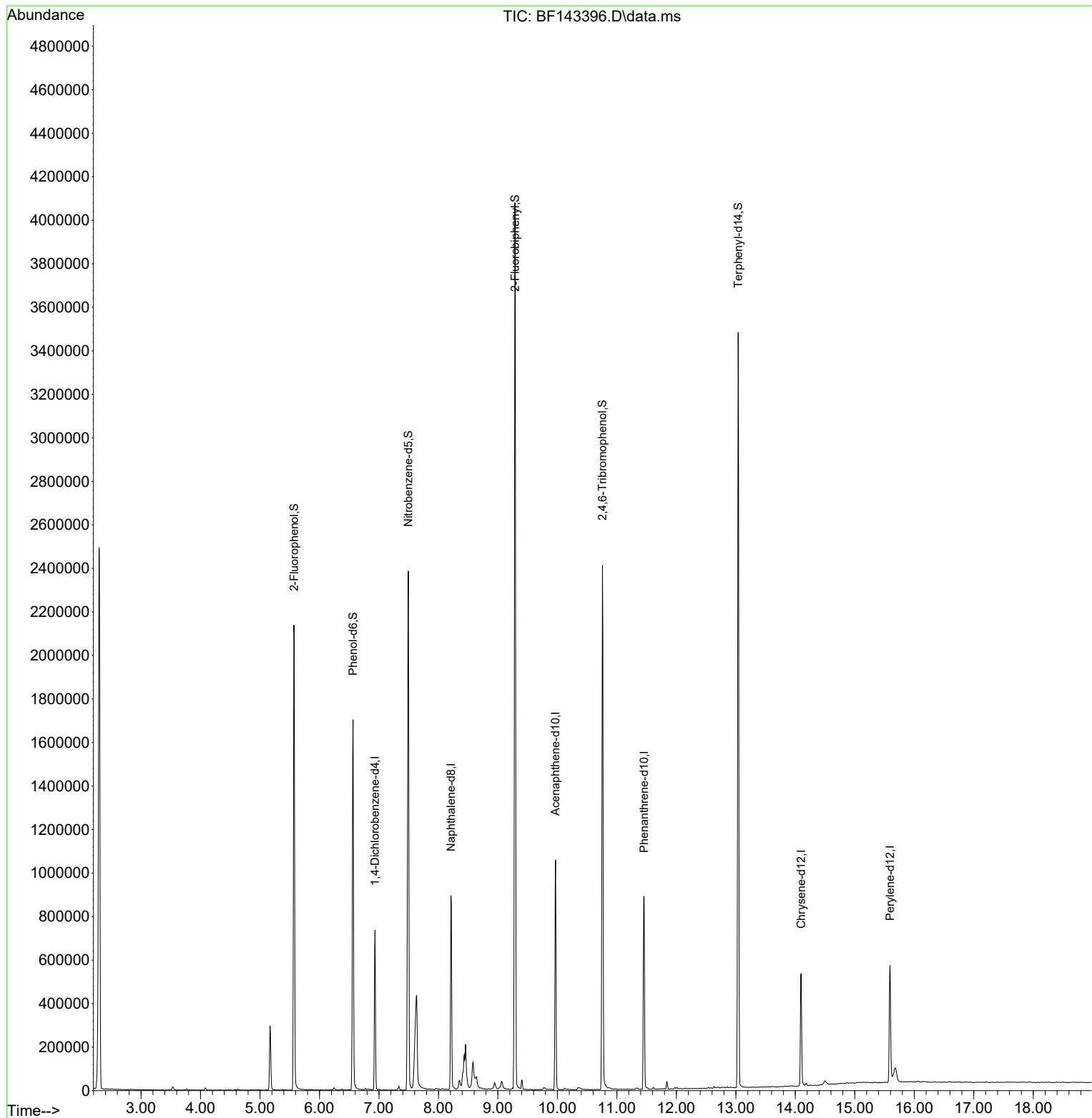
Target Compounds	Qvalue
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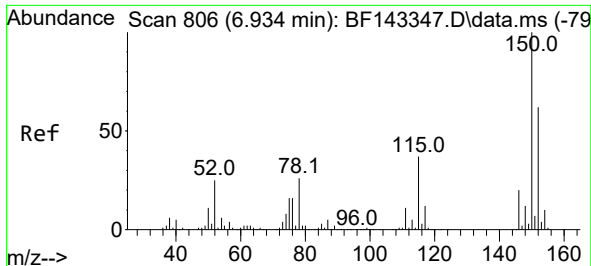
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
Operator : RC/JU
Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB

Quant Time: Aug 15 03:28:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

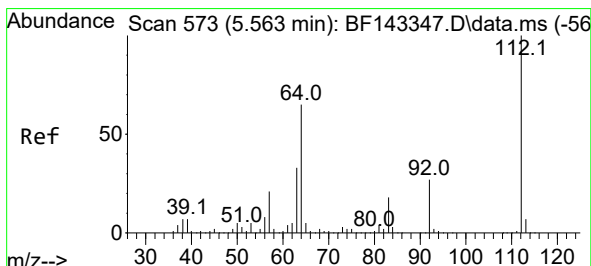
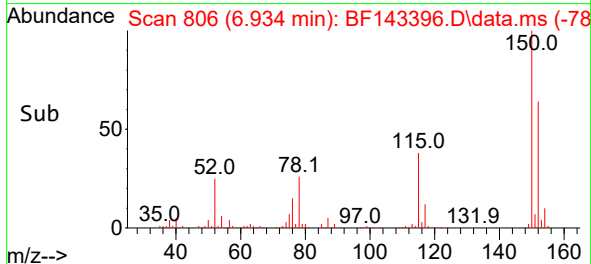
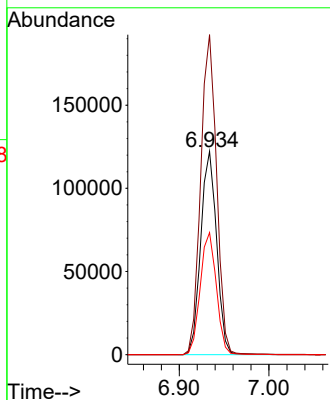
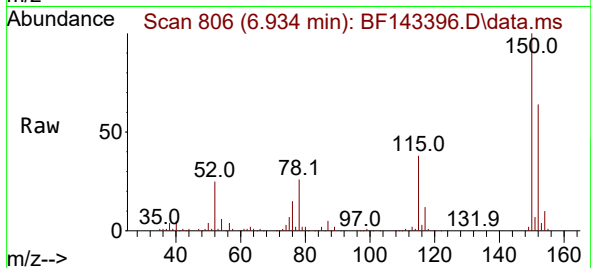




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

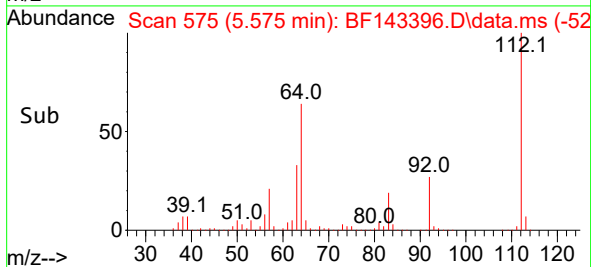
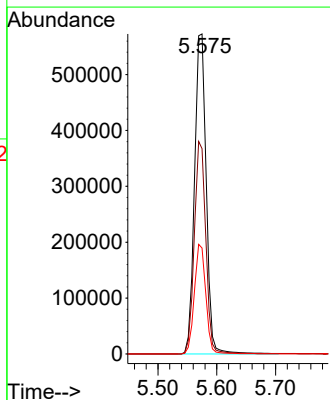
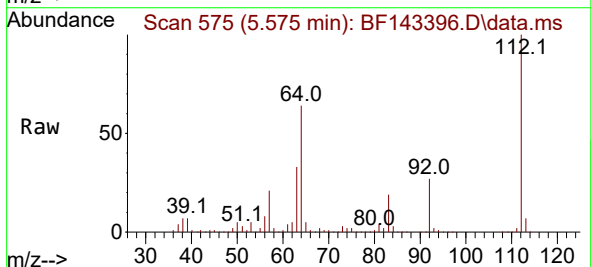
Instrument :
BNA_F
ClientSampleId :
FB

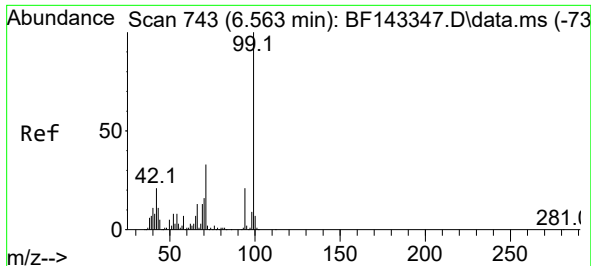
Tgt Ion:152 Resp: 150641
Ion Ratio Lower Upper
152 100
150 157.4 129.8 194.8
115 60.0 47.8 71.8



#5
2-Fluorophenol
Concen: 90.971 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

Tgt Ion:112 Resp: 792473
Ion Ratio Lower Upper
112 100
64 64.2 52.1 78.1
63 33.1 26.6 39.8

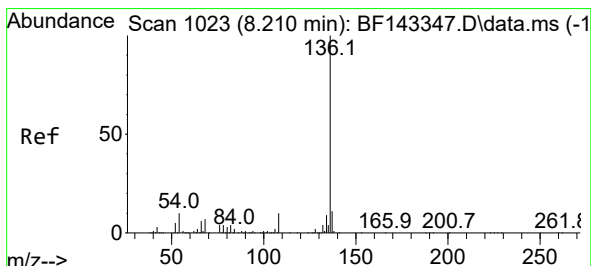
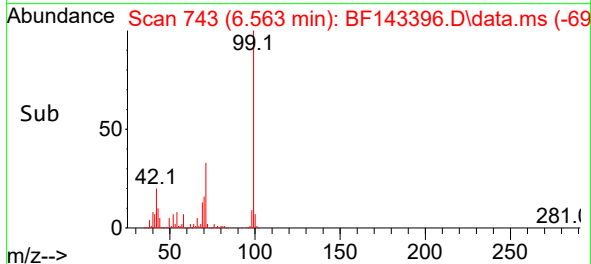
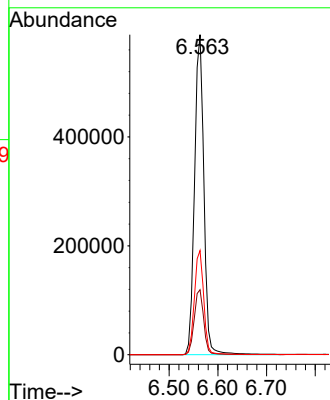
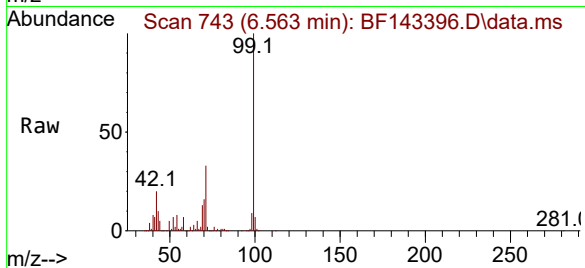




#7
Phenol-d6
Concen: 70.244 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

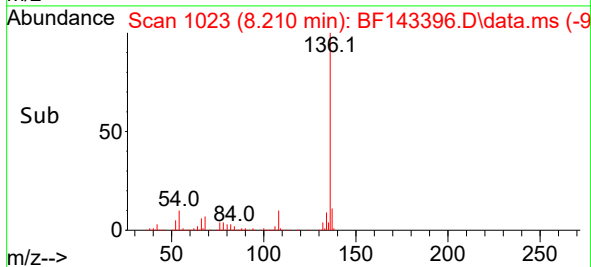
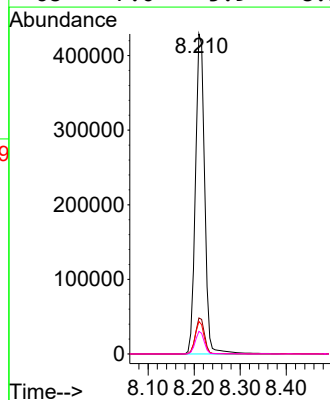
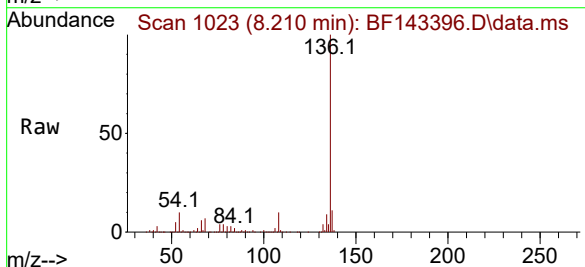
Instrument :
BNA_F
ClientSampleId :
FB

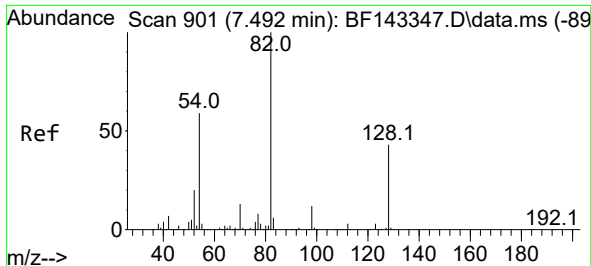
Tgt Ion: 99 Resp: 784702
Ion Ratio Lower Upper
99 100
42 20.3 16.6 25.0
71 32.6 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

Tgt Ion: 136 Resp: 593779
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 10.2 8.4 12.6
68 7.0 5.9 8.9





#23

Nitrobenzene-d5

Concen: 119.761 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

Instrument :

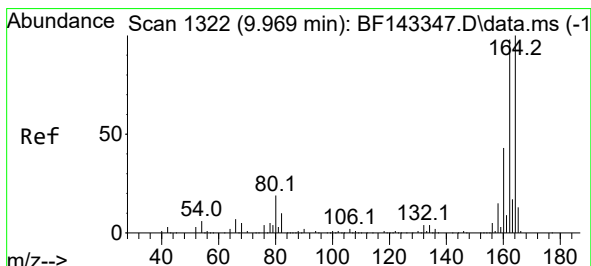
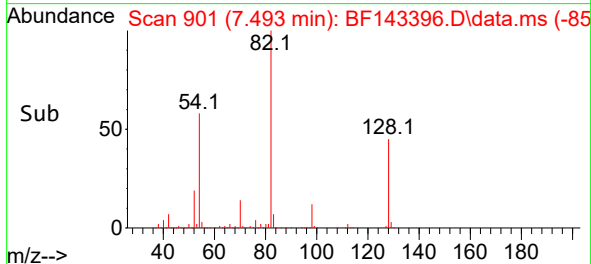
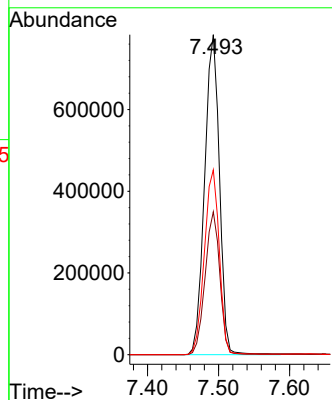
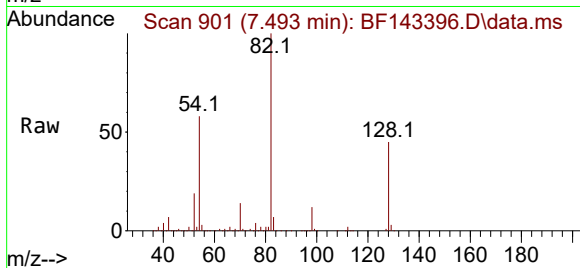
BNA_F

ClientSampleId :

FB

Tgt Ion: 82 Resp: 1141927

Ion	Ratio	Lower	Upper
82	100		
128	44.7	33.5	50.3
54	57.8	46.7	70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

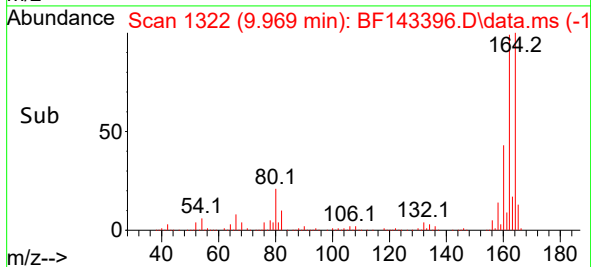
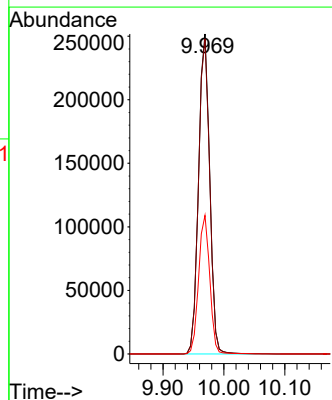
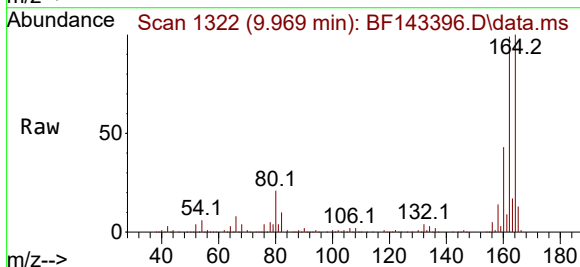
Delta R.T. -0.000 min

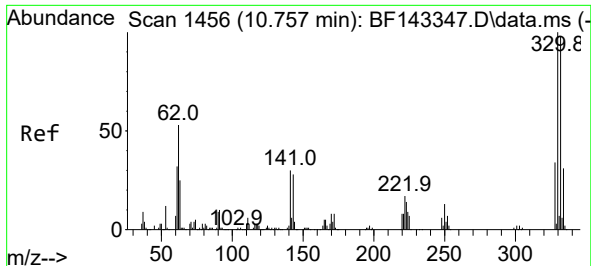
Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

Tgt Ion: 164 Resp: 319866

Ion	Ratio	Lower	Upper
164	100		
162	98.5	78.6	118.0
160	43.3	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 196.441 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF143396.D

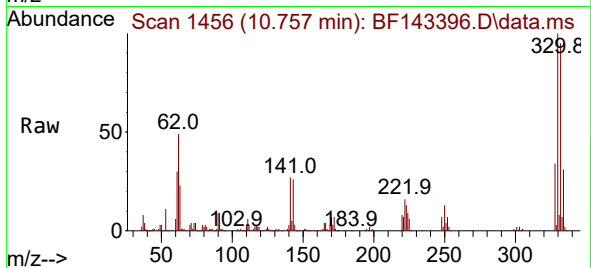
Acq: 14 Aug 2025 22:26

Instrument :

BNA_F

ClientSampleId :

FB



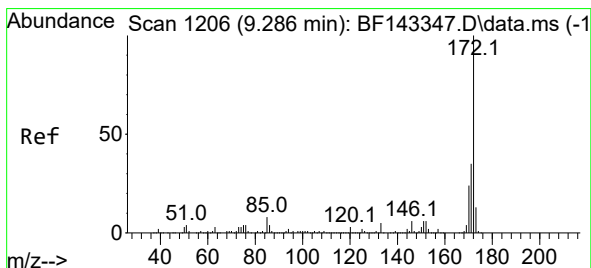
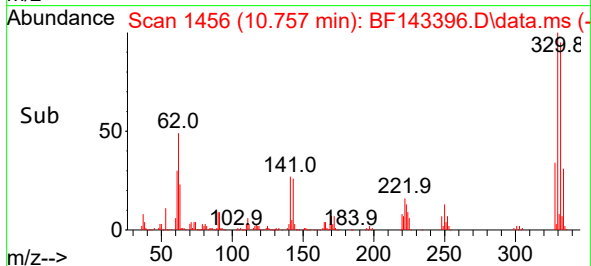
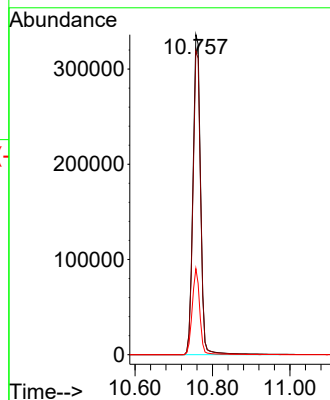
Tgt Ion:330 Resp: 459211

Ion Ratio Lower Upper

330 100

332 95.3 78.1 117.1

141 26.6 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 101.643 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143396.D

Acq: 14 Aug 2025 22:26

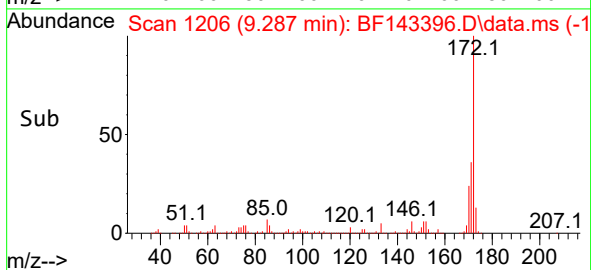
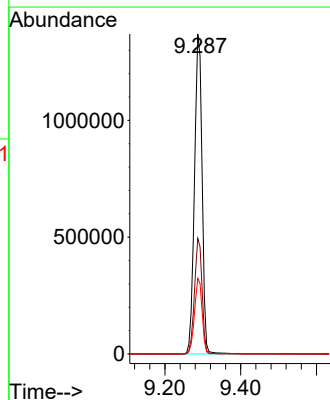
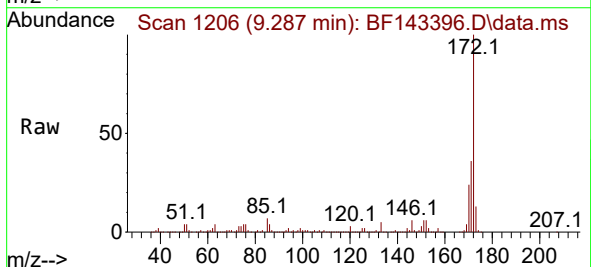
Tgt Ion:172 Resp: 1917270

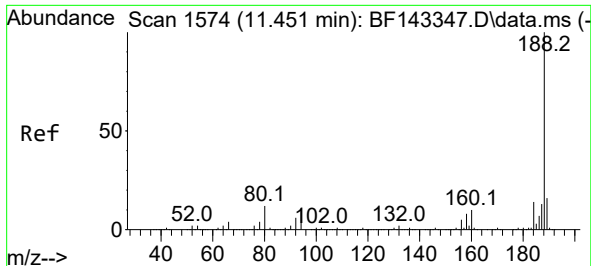
Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 23.6 19.1 28.7

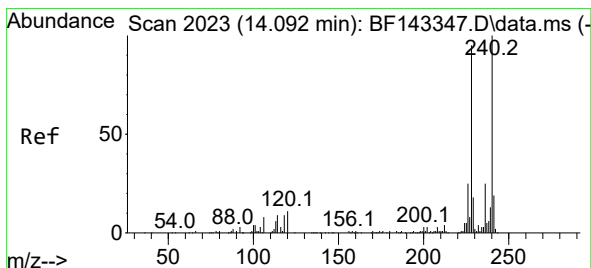
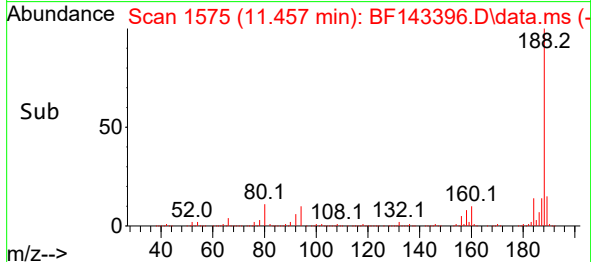
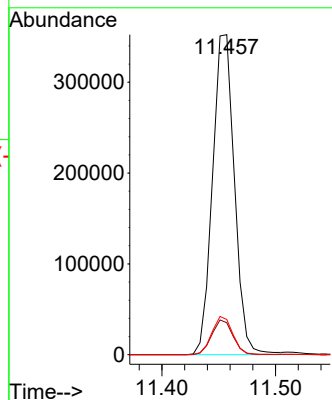
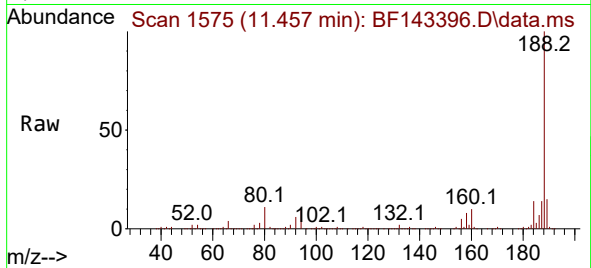




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

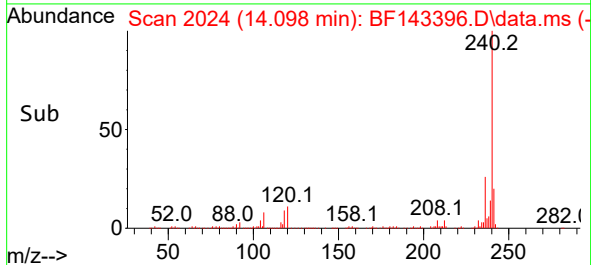
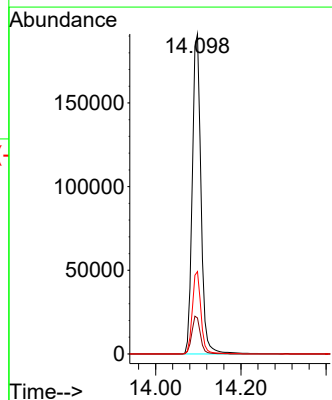
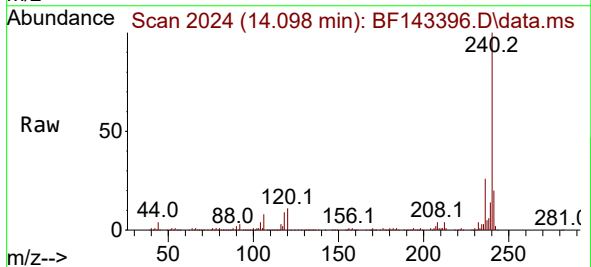
Instrument :
BNA_F
ClientSampleId :
FB

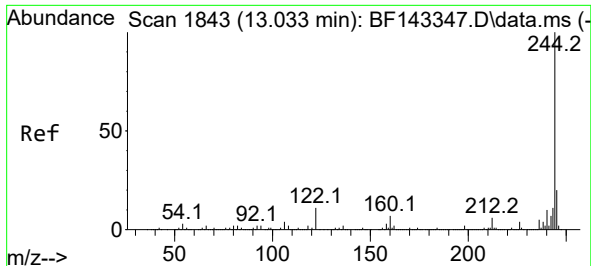
Tgt Ion:188 Resp: 472967
Ion Ratio Lower Upper
188 100
94 10.0 8.8 13.2
80 11.0 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143396.D
Acq: 14 Aug 2025 22:26

Tgt Ion:240 Resp: 271036
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.6
236 25.7 19.9 29.9

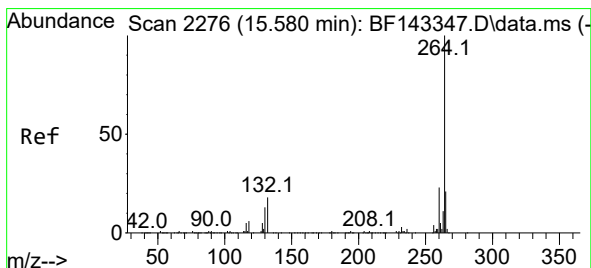
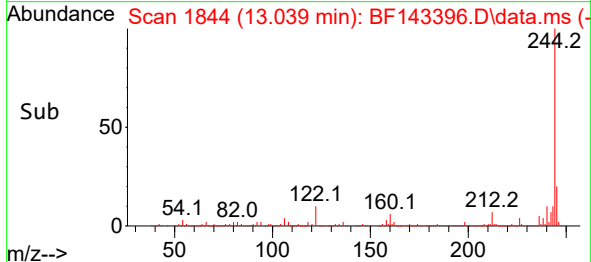
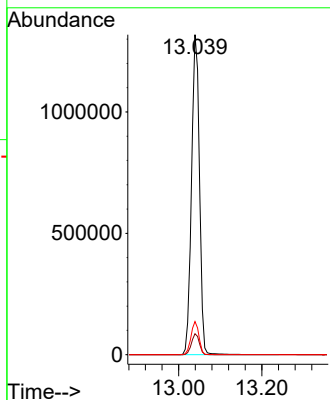
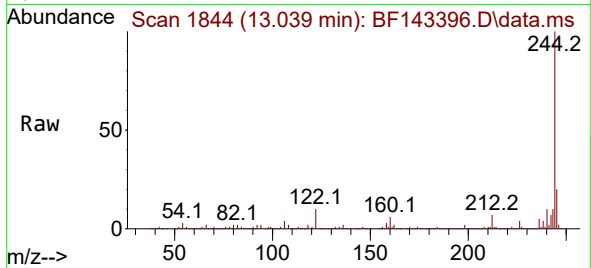




#79
 Terphenyl-d14
 Concen: 114.874 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143396.D
 Acq: 14 Aug 2025 22:26

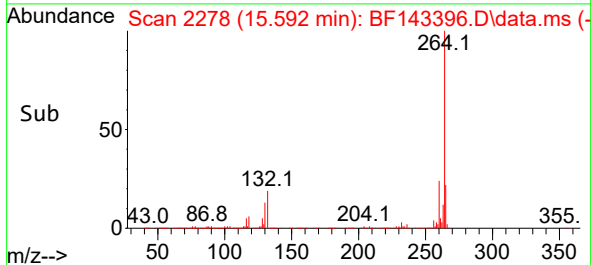
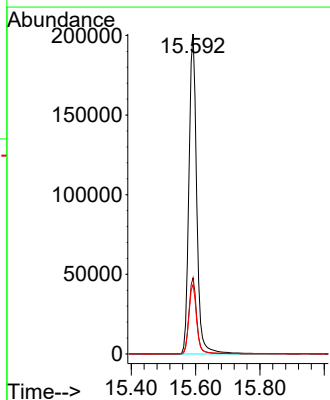
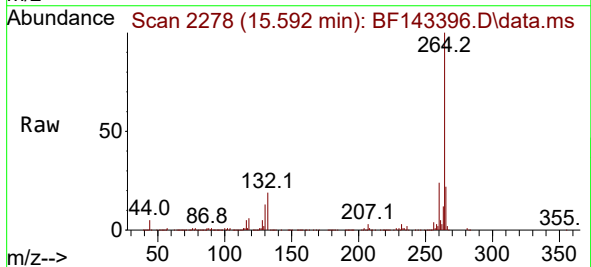
Instrument :
 BNA_F
 ClientSampleId :
 FB

Tgt Ion:244 Resp: 1743923
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 10.4 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143396.D
 Acq: 14 Aug 2025 22:26

Tgt Ion:264 Resp: 338281
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.7 28.1
 265 21.6 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
Operator : RC/JU
Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143396.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.293	7	17	34	rVB	2484114	4414596	78.63%	12.298%
2	5.169	498	506	526	rBV	294716	447797	7.98%	1.247%
3	5.569	569	574	596	rBV	2136864	2932130	52.22%	8.168%
4	6.563	737	743	767	rBV	1700708	2275571	40.53%	6.339%
5	6.934	801	806	813	rBV	734721	910914	16.22%	2.538%
6	7.493	894	901	906	rBV	2384989	3460169	61.63%	9.639%
7	7.634	911	925	956	rVB	431553	1309549	23.32%	3.648%
8	8.210	1015	1023	1038	rBV	891285	1223456	21.79%	3.408%
9	8.351	1039	1047	1052	rBV2	39959	88239	1.57%	0.246%
10	8.434	1057	1061	1062	rVV	128773	169139	3.01%	0.471%
11	8.457	1062	1065	1076	rVB	198632	333290	5.94%	0.928%
12	8.581	1077	1086	1093	rBV4	116082	288744	5.14%	0.804%
13	8.945	1137	1148	1157	rVB3	28464	63710	1.13%	0.177%
14	9.063	1157	1168	1183	rVB2	34995	95058	1.69%	0.265%
15	9.287	1200	1206	1221	rBV	4072181	5614626	100.00%	15.641%
16	9.404	1221	1226	1235	rVB	42937	60041	1.07%	0.167%
17	9.969	1316	1322	1335	rBV	1056140	1348745	24.02%	3.757%
18	10.757	1450	1456	1472	rBV	2410050	3272332	58.28%	9.116%
19	11.451	1569	1574	1589	rBV	885613	1204721	21.46%	3.356%
20	13.039	1838	1844	1849	rBV	3471051	4554715	81.12%	12.688%
21	14.098	2018	2024	2035	rBV	516252	726608	12.94%	2.024%
22	15.592	2272	2278	2285	rBV	538979	895139	15.94%	2.494%
23	15.680	2288	2293	2311	rVB4	64151	208388	3.71%	0.581%

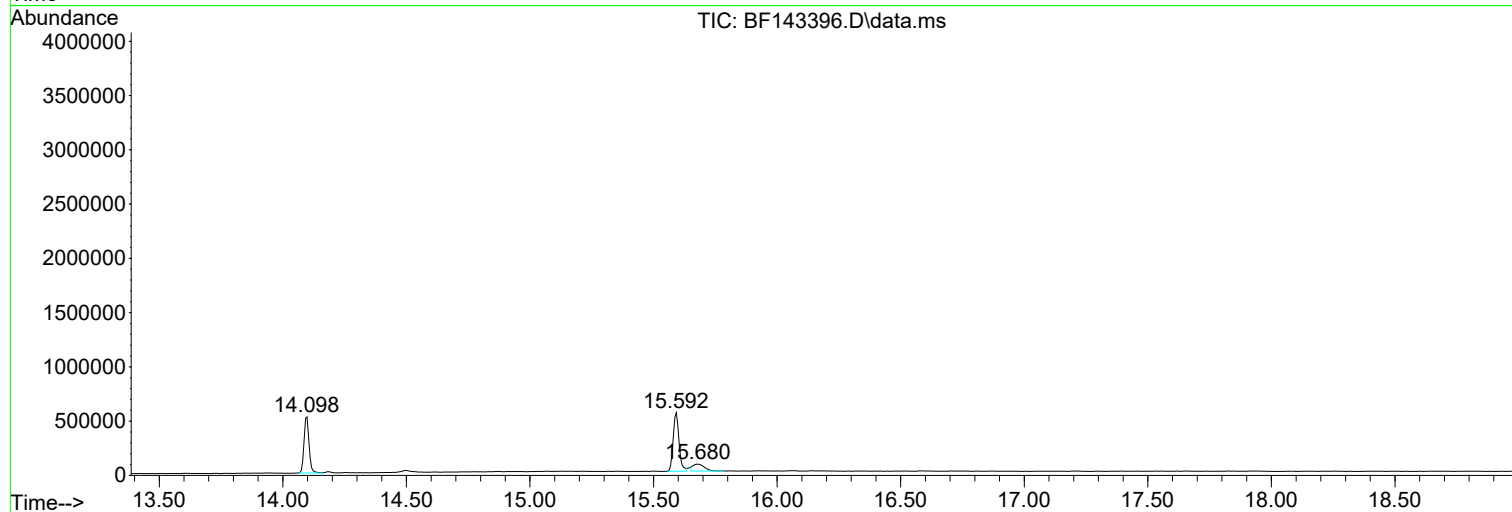
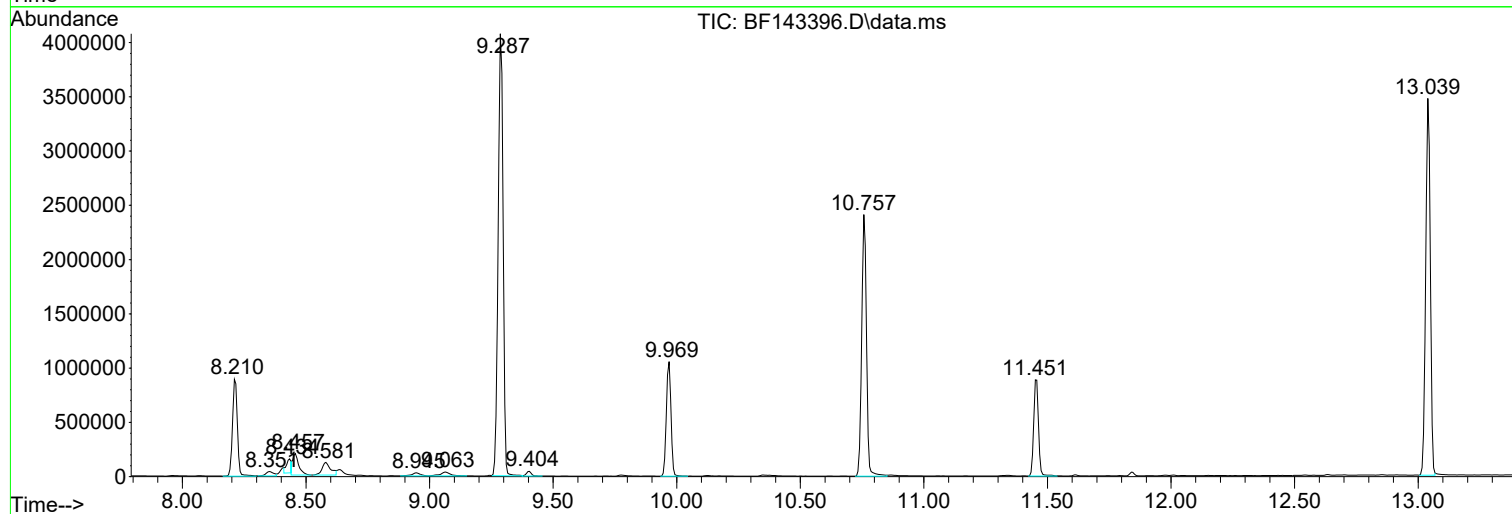
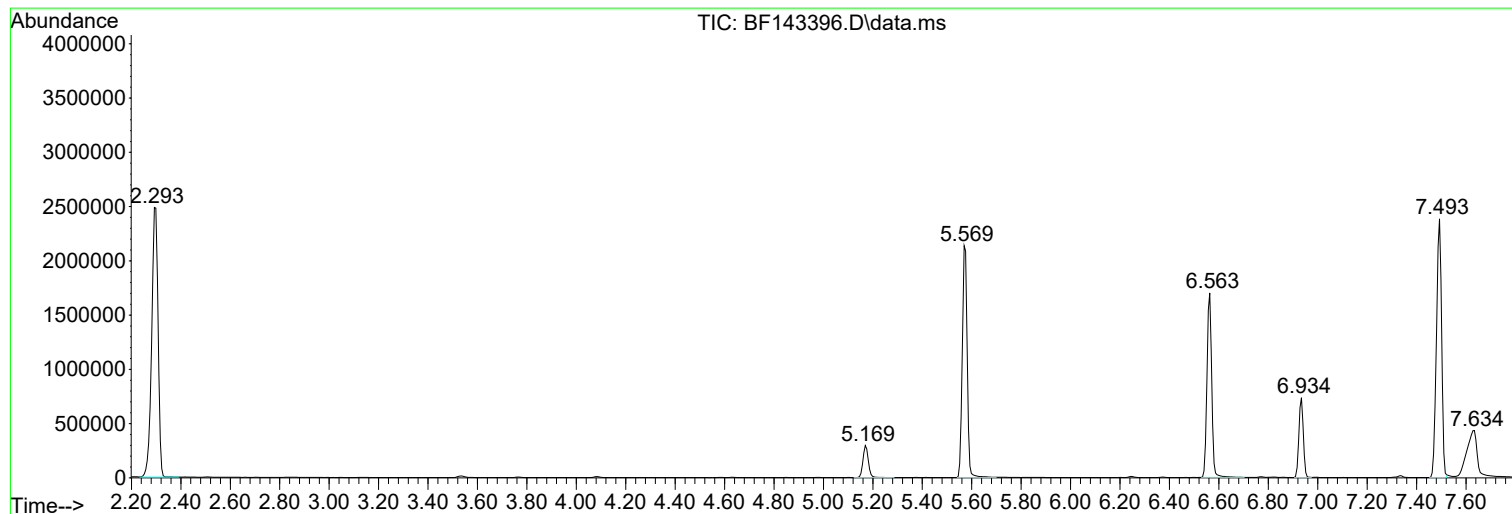
Sum of corrected areas: 35897677

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
Operator : RC/JU
Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
Operator : RC/JU
Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB

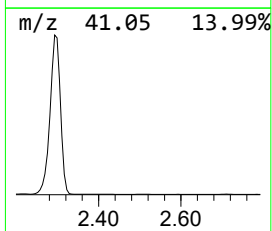
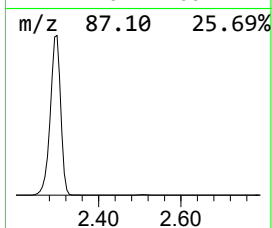
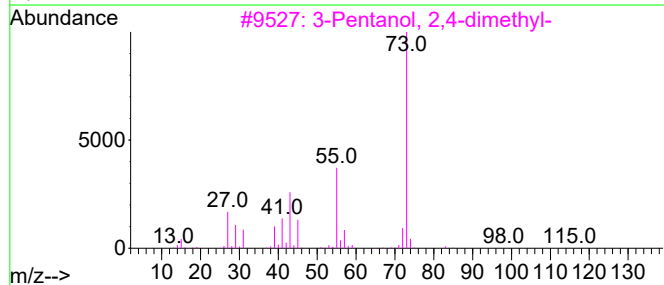
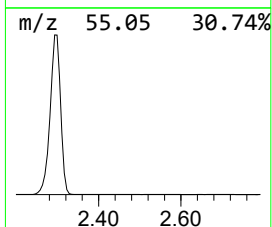
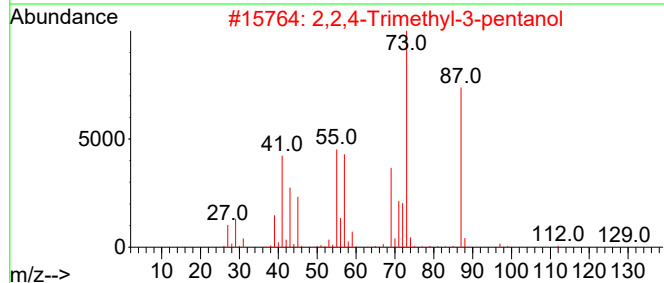
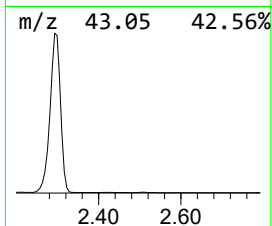
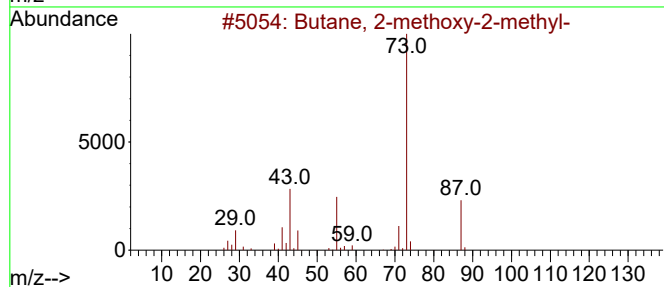
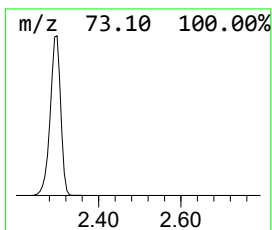
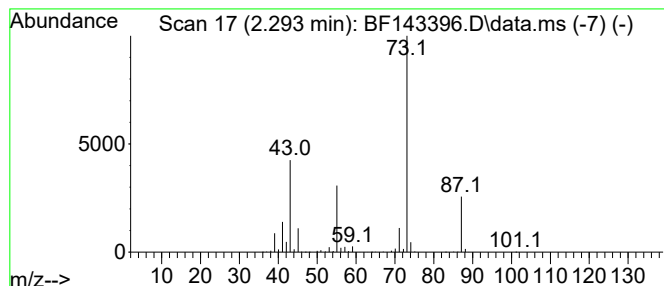
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.293	96.93 ng	4414600	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
Operator : RC/JU
Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

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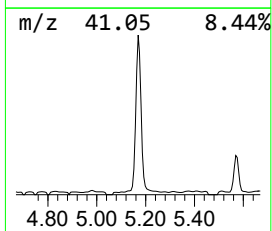
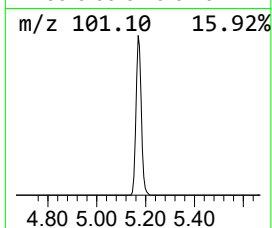
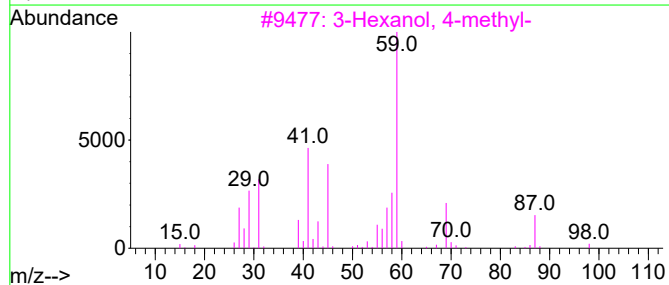
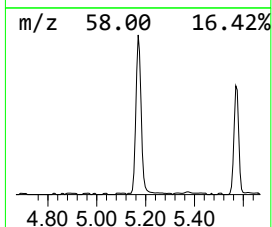
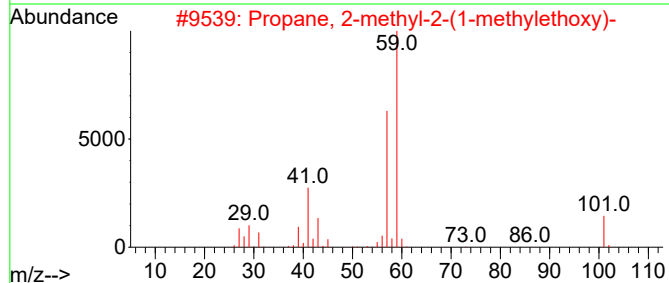
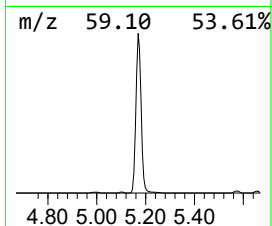
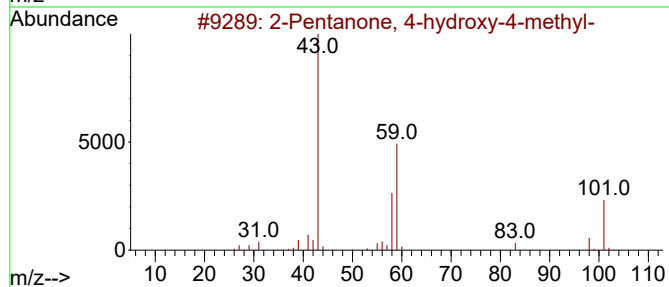
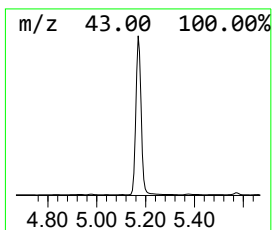
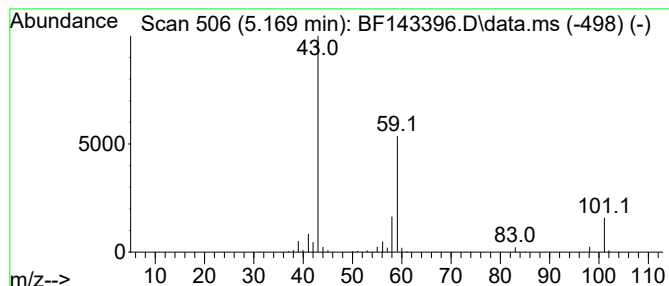
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.169	9.83 ng	447797	1,4-Dichlorobenzene-d4			6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O		017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O		000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O		000625-23-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2		001116-98-9	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
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ALS Vial : 21 Sample Multiplier: 1

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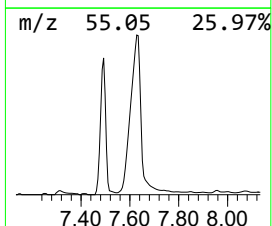
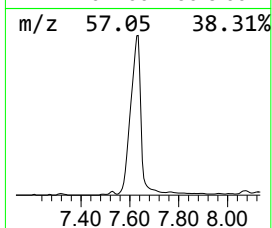
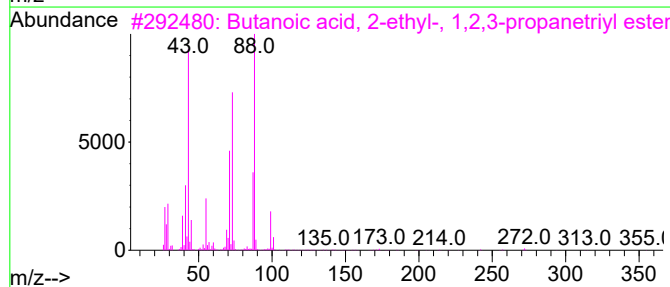
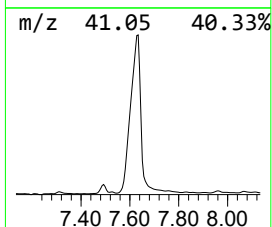
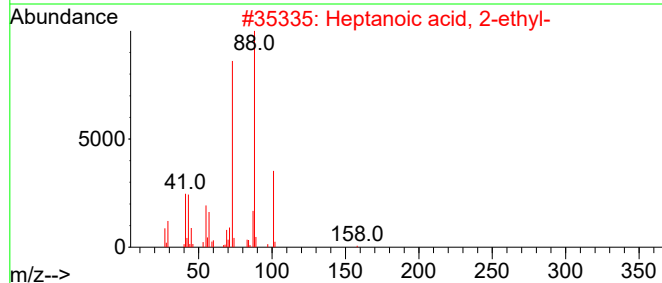
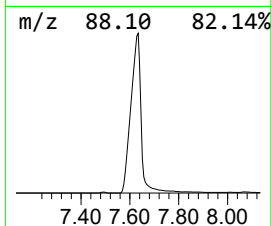
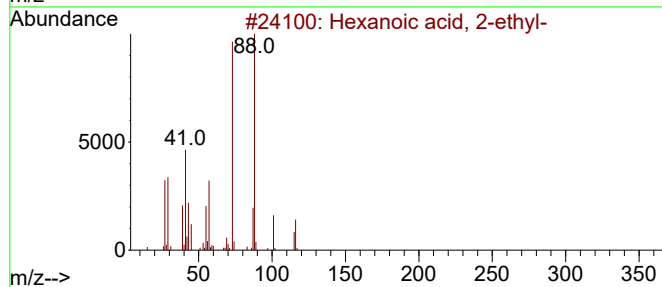
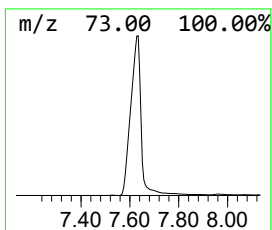
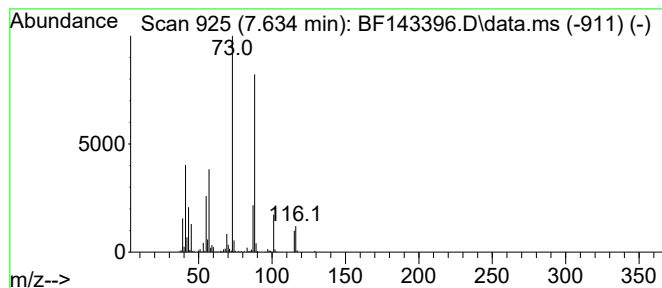
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.634	21.41 ng	1309550	Naphthalene-d8	8.210

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2			Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	59
3			Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	53
4			2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	50
5			1,4-Dioxane	88	C4H8O2	000123-91-1	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
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Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

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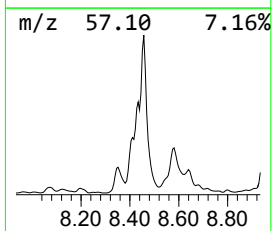
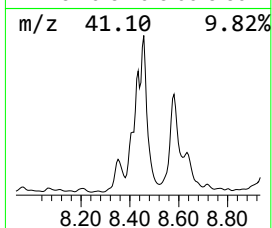
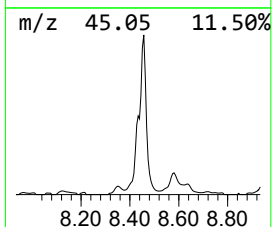
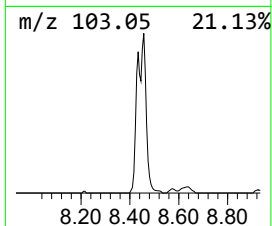
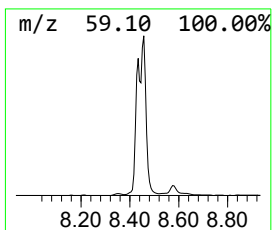
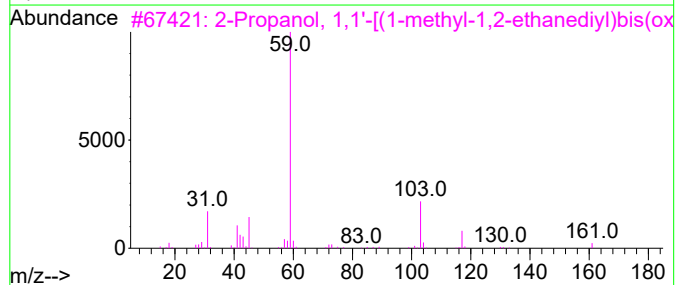
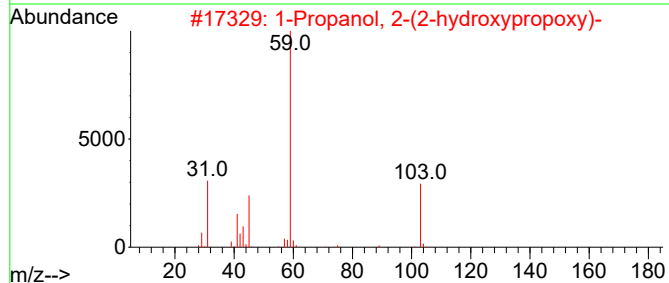
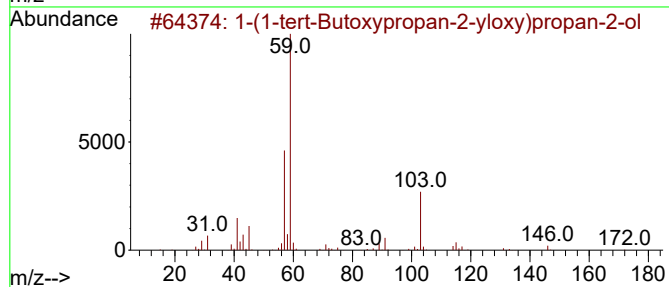
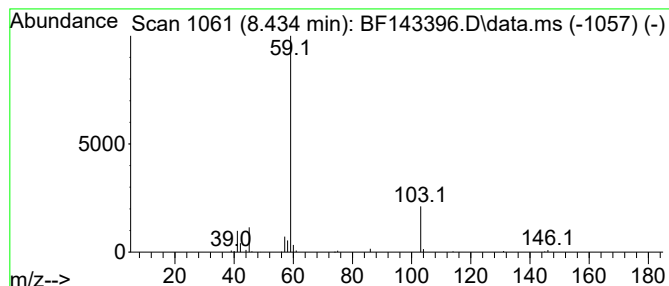
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-(1-tert-Butoxypropan-2-yl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.434	2.76 ng	169139	Naphthalene-d8	8.210

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-tert-Butoxypropan-2-yloxy)p...	190	C10H22O3		132739-31-2	78
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3		000106-62-7	78
3	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4		001638-16-0	78
4	1-Propanol, 2,2'-oxybis-	134	C6H14O3		000108-61-2	74
5	1,4,7-Trimethyl-3,6-dioxaoctane-...	192	C9H20O4		1000423-63-2	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
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Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

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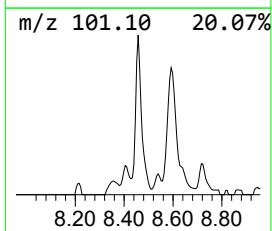
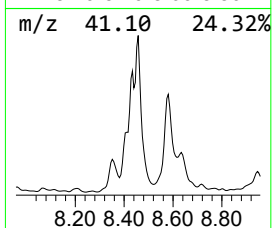
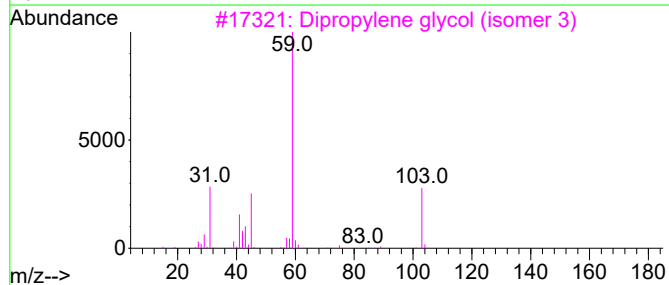
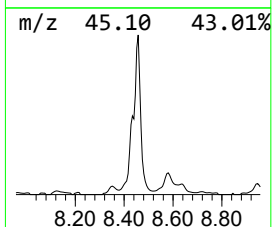
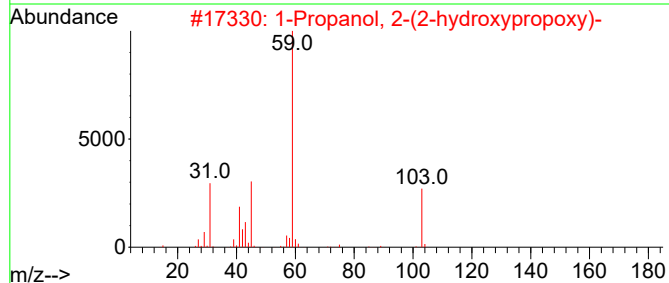
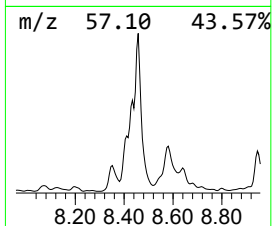
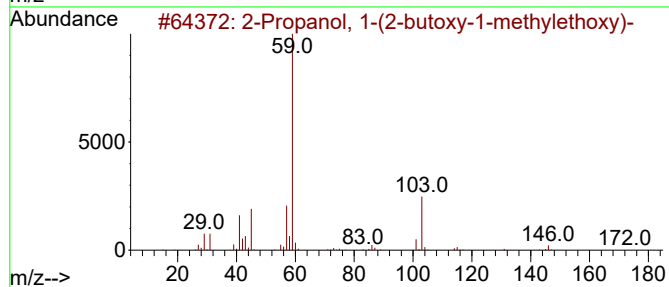
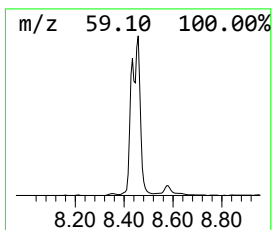
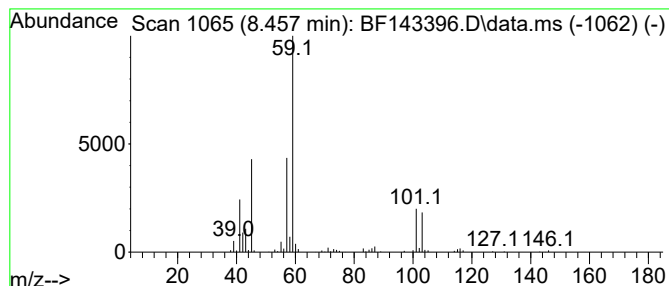
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-Propanol, 1-(2-butoxy-1-m... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.457	5.45 ng	333290	Naphthalene-d8	8.210

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3		029911-28-2	53
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3		000106-62-7	53
3	Dipropylene glycol (isomer 3)	134	C6H14O3		1000506-25-5	50
4	Propane, 1,2-dimethoxy-	104	C5H12O2		007778-85-0	50
5	1-Propanol, 2,2'-oxybis-	134	C6H14O3		000108-61-2	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
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Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

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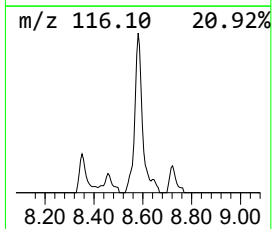
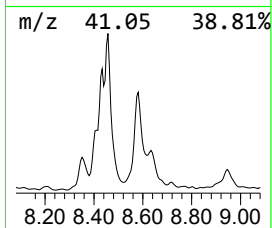
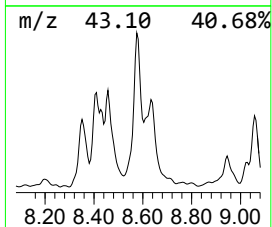
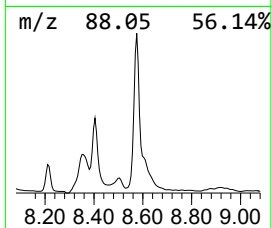
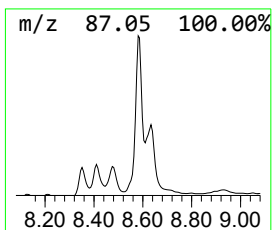
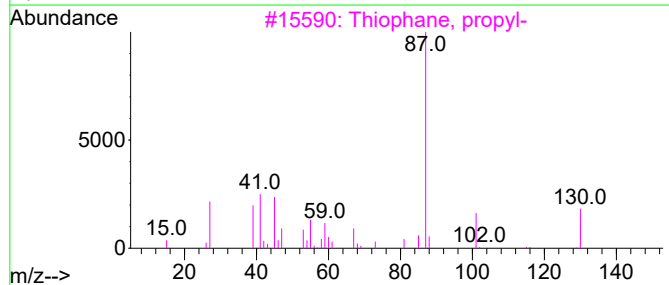
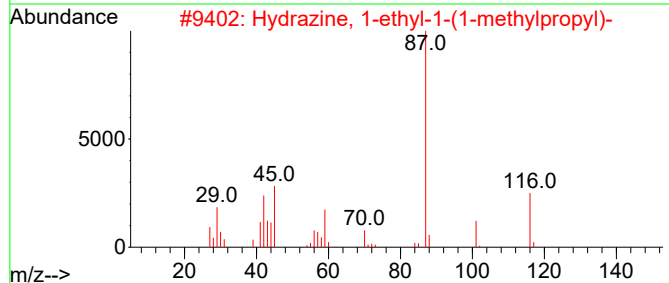
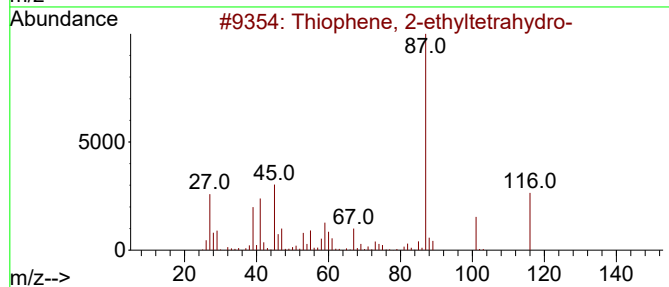
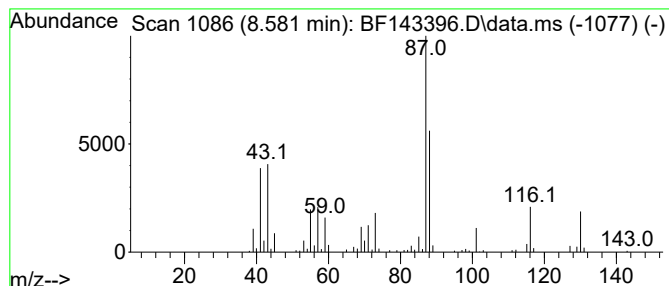
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown8.581 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.581	4.72 ng	288744	Naphthalene-d8	8.210

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	49
2		Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	47
3		Thiophane, propyl-	130	C7H14S	001551-34-4	38
4		Neodecanoic acid	172	C10H20O2	026896-20-8	37
5		Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	32



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
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Acq On : 14 Aug 2025 22:26
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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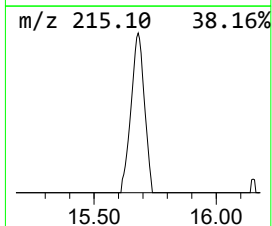
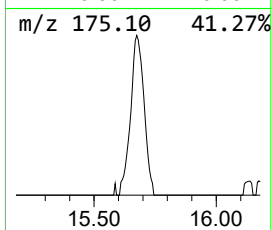
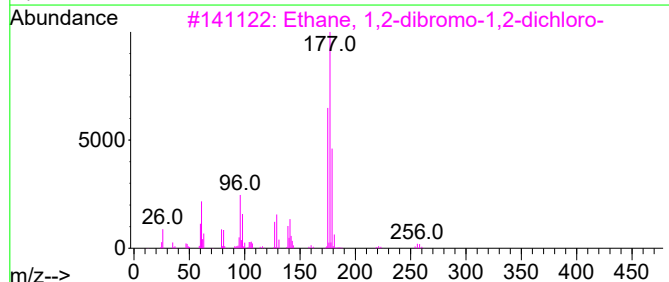
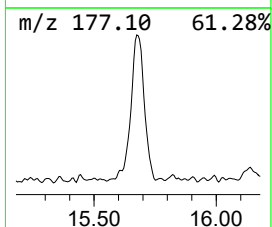
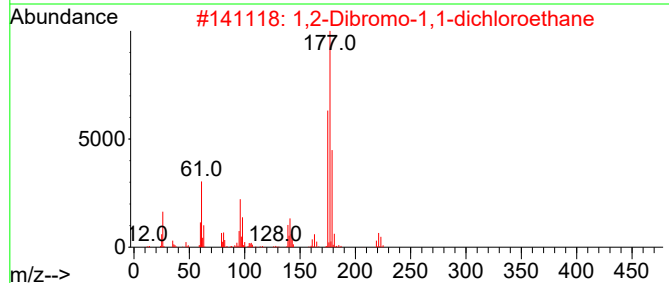
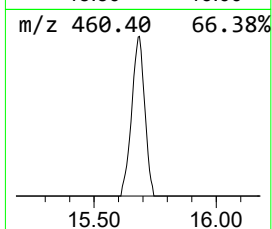
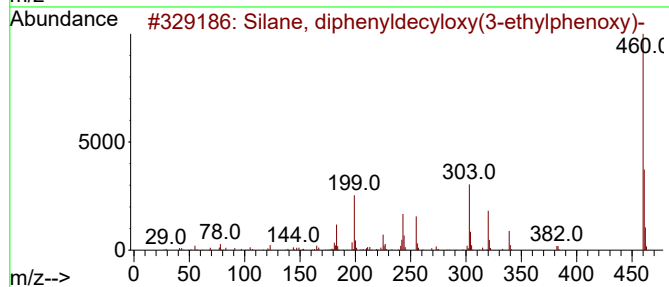
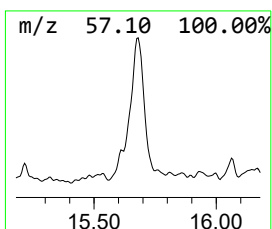
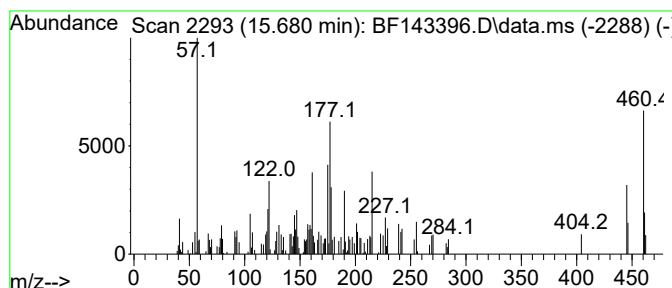
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown15.680 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.680	4.66 ng	208388	Perylene-d12	15.592

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Silane, diphenyldecyloxy(3-ethyl...	460	C30H40O2Si	1000367-46-2	10
2			1,2-Dibromo-1,1-dichloroethane	254	C2H2Br2Cl2	000075-81-0	10
3			Ethane, 1,2-dibromo-1,2-dichloro-	254	C2H2Br2Cl2	000683-68-1	10
4			Benzene, 1,4-bis(3-phenylindol-2...	460	C34H24N2	164936-88-3	9
5			Diethylstilbestrol, bis(trifluor...	460	C22H18F6O4	1000364-77-0	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143396.D
Acq On : 14 Aug 2025 22:26
Operator : RC/JU
Sample : Q2814-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.293	96.9	ng	4414600	1	6.934	910914	20.0
2-Pentanone, 4-...	5.169	9.8	ng	447797	1	6.934	910914	20.0
Hexanoic acid, ...	7.634	21.4	ng	1309550	2	8.210	1223460	20.0
1-(1-tert-Butox...	8.434	2.8	ng	169139	2	8.210	1223460	20.0
2-Propanol, 1-(...	8.457	5.5	ng	333290	2	8.210	1223460	20.0
unknown8.581	8.581	4.7	ng	288744	2	8.210	1223460	20.0
unknown15.680	15.680	4.7	ng	208388	6	15.592	895139	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025429.D	1	08/12/25 09:55	08/15/25 16:12	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.10	U	3.90	8.10	10.1	ug/L
108-95-2	Phenol	4.00	U	0.92	4.00	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.82	4.00	5.10	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.59	4.00	5.10	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.10	ug/L
98-86-2	Acetophenone	4.00	U	0.75	4.00	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.10	U	1.10	8.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.66	4.00	5.10	ug/L
98-95-3	Nitrobenzene	4.00	U	0.77	4.00	5.10	ug/L
78-59-1	Isophorone	4.00	U	0.76	4.00	5.10	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.69	4.00	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.53	4.00	5.10	ug/L
91-20-3	Naphthalene	4.00	U	0.51	4.00	5.10	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.85	4.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.55	4.00	5.10	ug/L
105-60-2	Caprolactam	8.10	U	1.10	8.10	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.60	4.00	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.57	4.00	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.10	U	3.70	8.10	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.52	4.00	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.63	4.00	5.10	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.54	4.00	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.62	4.00	5.10	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.10	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.62	4.00	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025429.D	1	08/12/25 09:55	08/15/25 16:12	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.76	4.00	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.93	4.00	5.10	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.10	ug/L
83-32-9	Acenaphthene	4.00	U	0.56	4.00	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.10	U	6.00	8.10	10.1	ug/L
100-02-7	4-Nitrophenol	8.10	U	2.40	8.10	10.1	ug/L
132-64-9	Dibenzofuran	4.00	U	0.62	4.00	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.10	ug/L
84-66-2	Diethylphthalate	4.00	U	0.70	4.00	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.69	4.00	5.10	ug/L
86-73-7	Fluorene	4.00	U	0.64	4.00	5.10	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.10	U	2.90	8.10	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.59	4.00	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.10	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.10	ug/L
87-86-5	Pentachlorophenol	8.10	U	1.60	8.10	10.1	ug/L
85-01-8	Phenanthrene	4.00	U	0.51	4.00	5.10	ug/L
120-12-7	Anthracene	4.00	U	0.62	4.00	5.10	ug/L
86-74-8	Carbazole	4.00	U	0.73	4.00	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.10	ug/L
206-44-0	Fluoranthene	4.00	U	0.83	4.00	5.10	ug/L
129-00-0	Pyrene	4.00	U	0.51	4.00	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.10	U	0.94	8.10	10.1	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.10	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	6.30		1.60	4.00	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.10	U	2.40	8.10	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025429.D	1	08/12/25 09:55	08/15/25 16:12	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.56	4.00	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.60	4.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.68	4.00	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.70	4.00	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.73	4.00	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	73.3		19 - 119	49%	SPK: 150
13127-88-3	Phenol-d6	57.5		10 - 130	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.2		44 - 120	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.6		44 - 119	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		43 - 140	76%	SPK: 150
1718-51-0	Terphenyl-d14	65.2		50 - 134	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	139000	7.784
1146-65-2	Naphthalene-d8	566000	10.548
15067-26-2	Acenaphthene-d10	379000	14.395
1517-22-2	Phenanthrene-d10	746000	17.195
1719-03-5	Chrysene-d12	804000	21.624
1520-96-3	Perylene-d12	897000	24.983

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	73.3	JB	3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.80	AB	4.94	ug/L
000119-61-9	Benzophenone	7.10	J	15.8	ug/L
001008-91-9	1-(4-Pyridinyl)piperazine	5.80	J	16.2	ug/L
000140-66-9	Phenol, 4-(1,1,3,3-tetramethylbuty	8.20	J	16.3	ug/L
	unknown16.331	13.6	J	16.3	ug/L
024518-48-7	4-(7-Methyloctyl)phenol	8.90	J	16.4	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025429.D	1	08/12/25 09:55	08/15/25 16:12	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown16.436	7.60	J			16.4	ug/L
	unknown16.483	5.70	J			16.5	ug/L
002050-44-4	Acetamide, N-(2,5-dimethylphenyl)-	4.90	J			16.5	ug/L
1000244-21-4	5H-Pyrrolo(3,2-d)pyrimidine-2,4-di	14.0	J			16.6	ug/L
1000384-80-3	4-(1,1-Dimethylheptyl)phenol	8.40	J			16.7	ug/L
000537-92-8	Acetamide, N-(3-methylphenyl)-	3.20	J			16.7	ug/L
005142-22-3	6-Amino-1-methylpurine	5.10	J			16.7	ug/L
000057-10-3	n-Hexadecanoic acid	10.6	J			18.1	ug/L
000124-28-7	Dimantine	5.50	J			19.2	ug/L
000057-11-4	Octadecanoic acid	5.20	J			19.5	ug/L
002136-70-1	Ethanol, 2-(tetradecyloxy)-	6.50	J			21.3	ug/L
000630-01-3	Hexacosane	2.50	J			22.5	ug/L
007683-64-9	Supraene	2.40	J			23.5	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

Quant Time: Aug 15 16:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

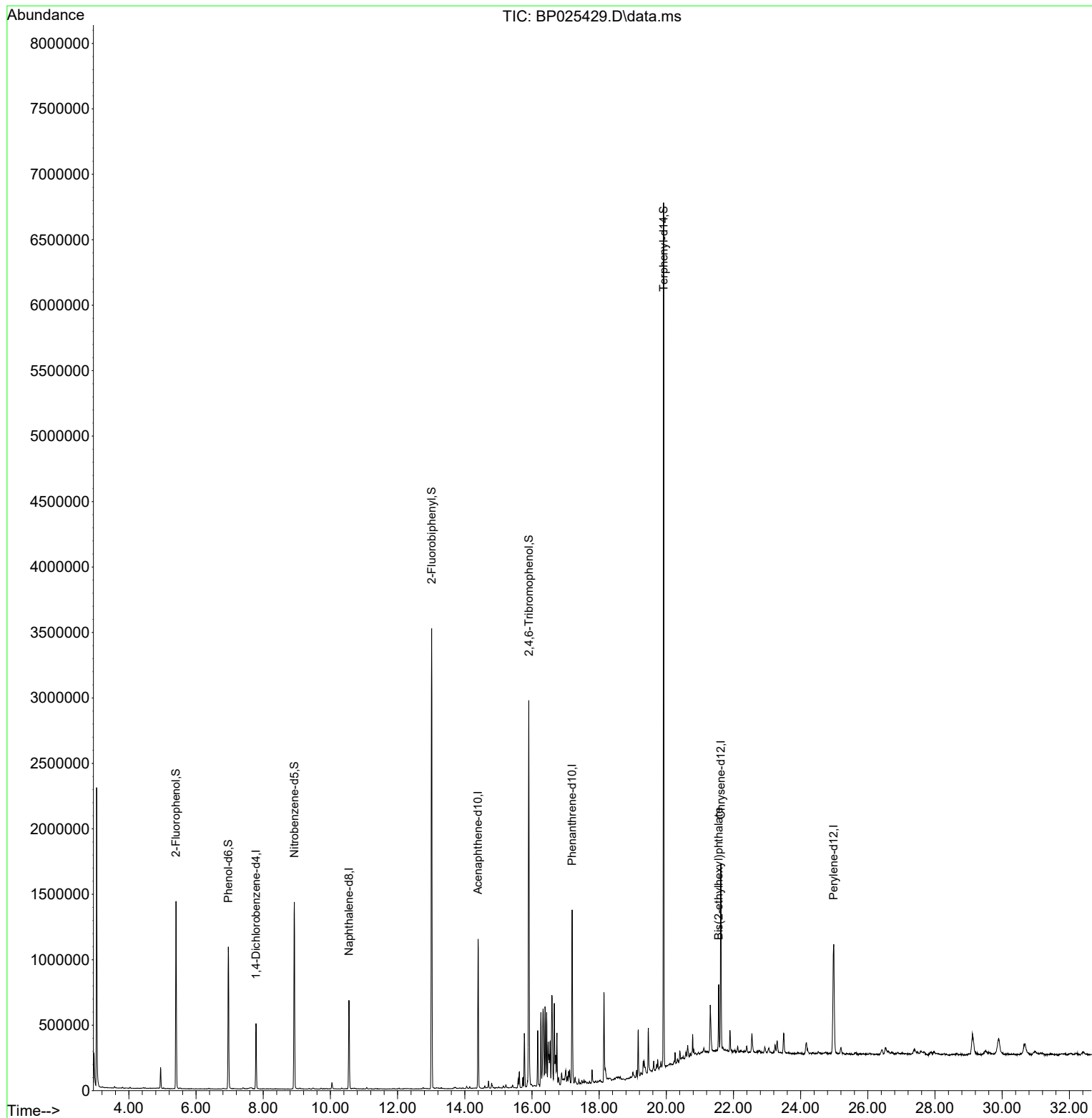
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	138753	20.000	ng	-0.01
21) Naphthalene-d8	10.548	136	565678	20.000	ng	-0.01
39) Acenaphthene-d10	14.395	164	378580	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	745820	20.000	ng	0.00
76) Chrysene-d12	21.624	240	803558	20.000	ng	-0.02
86) Perylene-d12	24.983	264	896940	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	612024	73.252	ng	0.00
7) Phenol-d6	6.960	99	615801	57.487	ng	0.00
23) Nitrobenzene-d5	8.925	82	818057	73.154	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	580361	113.892	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1873752	67.643	ng	0.00
79) Terphenyl-d14	19.919	244	2861648	65.155	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.560	149	217722	6.248	ng	99

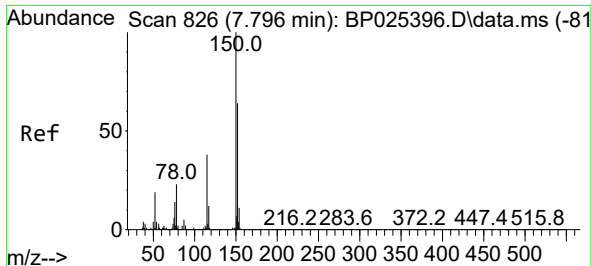
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

Quant Time: Aug 15 16:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

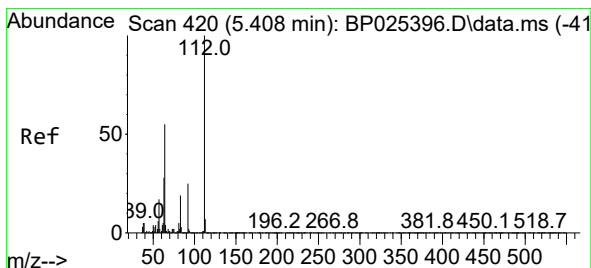
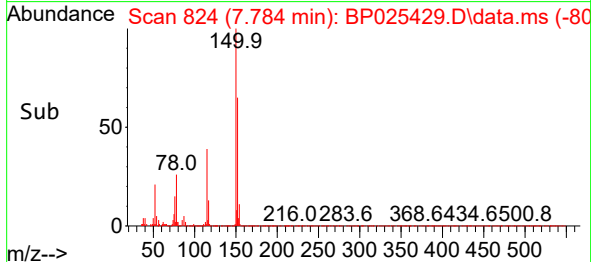
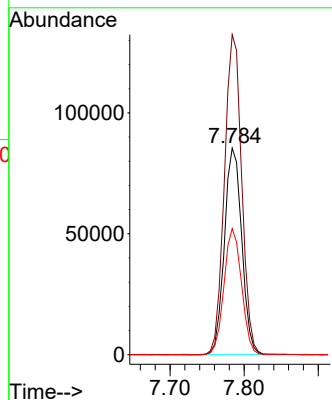
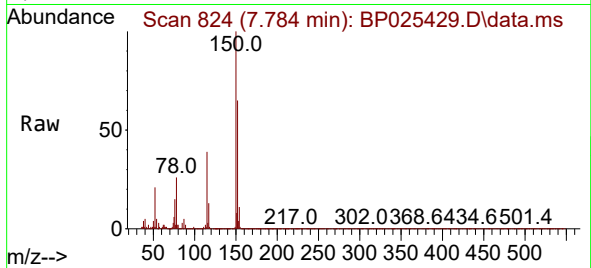




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

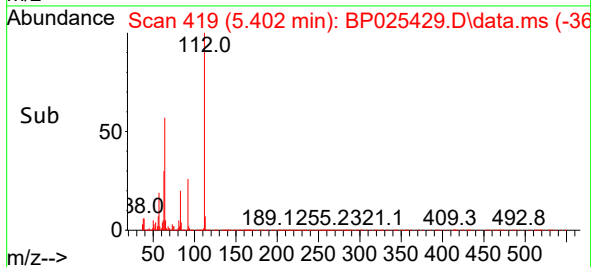
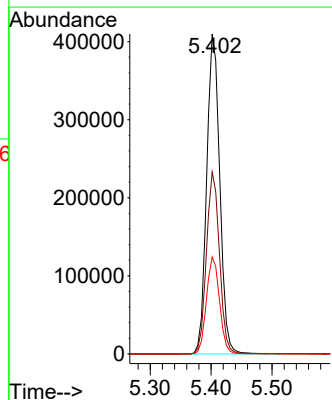
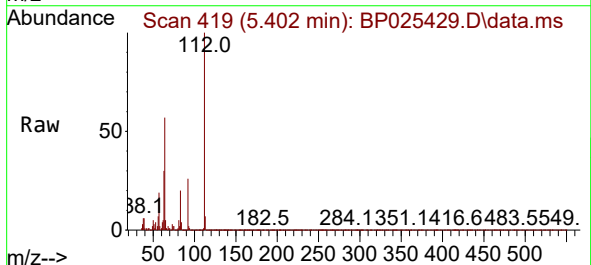
Instrument :
BNA_P
ClientSampleId :
TW-518R-S

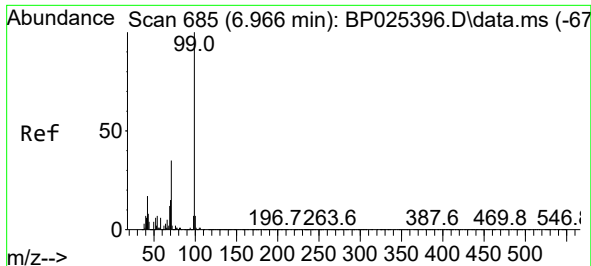
Tgt Ion:152 Resp: 138753
Ion Ratio Lower Upper
152 100
150 154.9 125.9 188.9
115 61.0 48.5 72.7



#5
2-Fluorophenol
Concen: 73.252 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

Tgt Ion:112 Resp: 612024
Ion Ratio Lower Upper
112 100
64 56.8 43.8 65.8
63 30.3 22.7 34.1

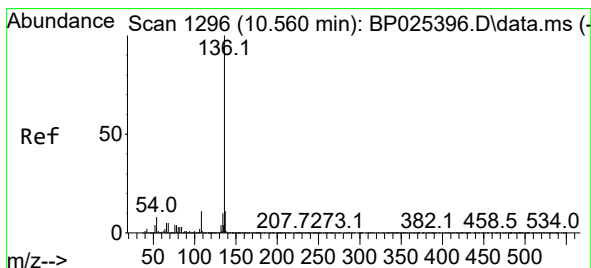
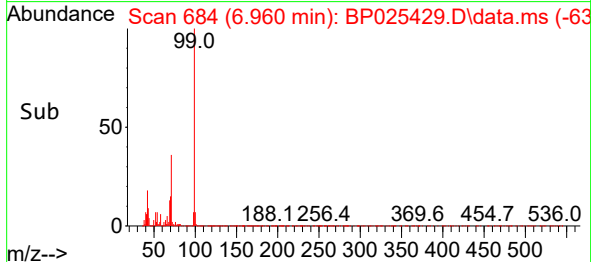
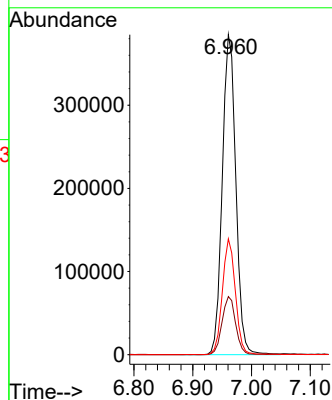
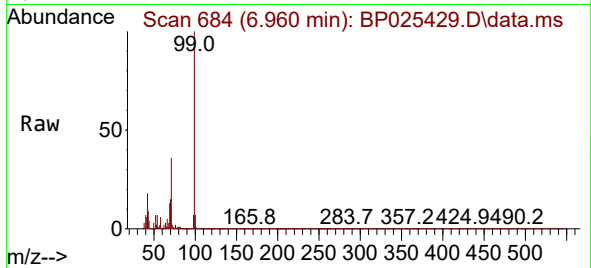




#7
Phenol-d6
Concen: 57.487 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

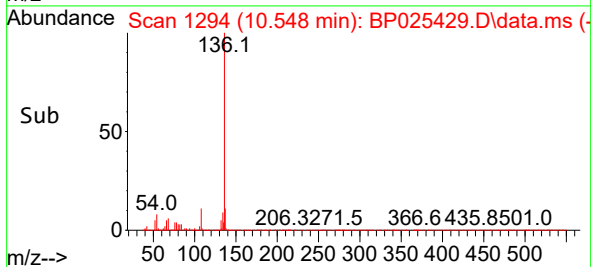
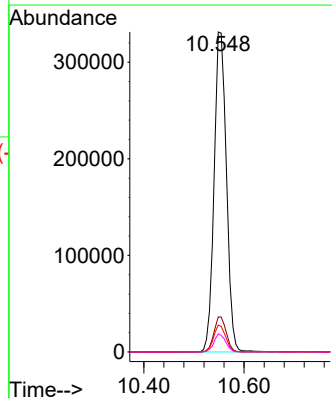
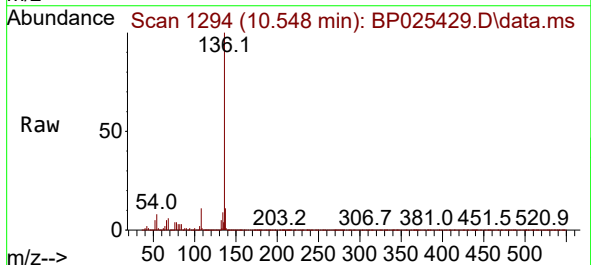
Instrument :
BNA_P
ClientSampleId :
TW-518R-S

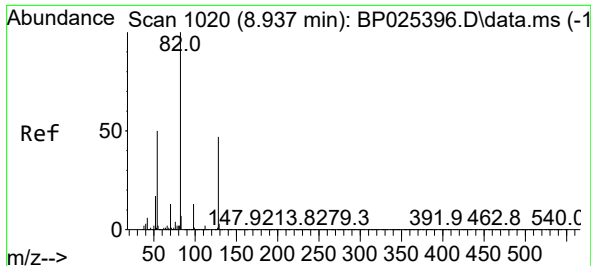
Tgt Ion: 99 Resp: 615801
Ion Ratio Lower Upper
99 100
42 18.2 13.7 20.5
71 36.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.548 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

Tgt Ion: 136 Resp: 565678
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.4 6.0 9.0
68 5.7 4.3 6.5

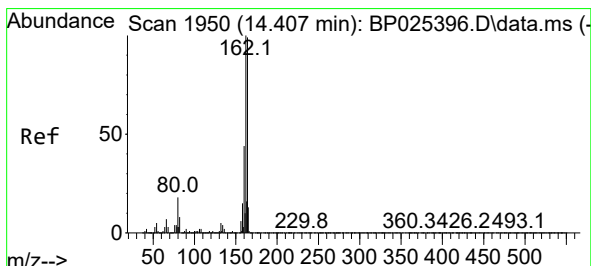
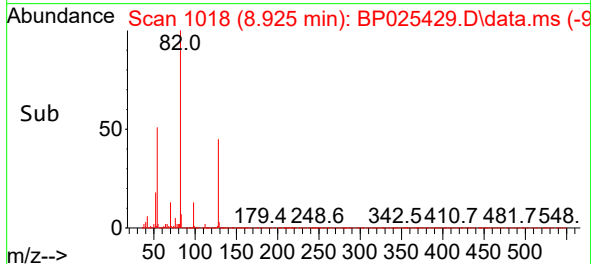
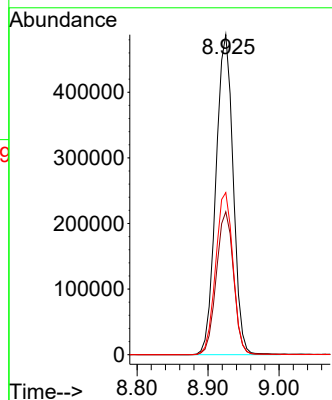
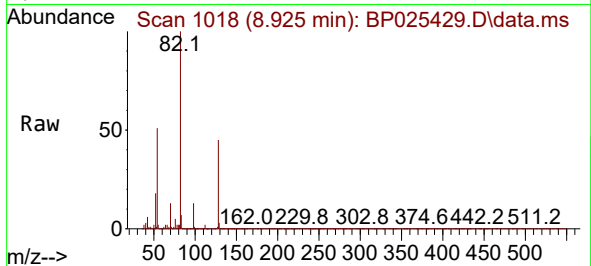




#23
Nitrobenzene-d5
Concen: 73.154 ng
RT: 8.925 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

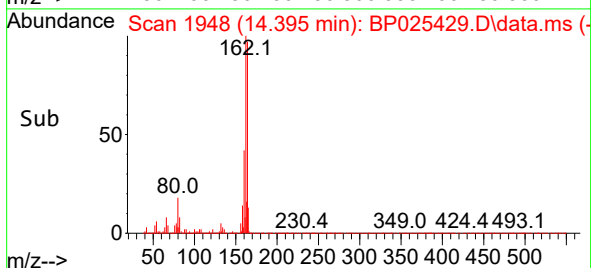
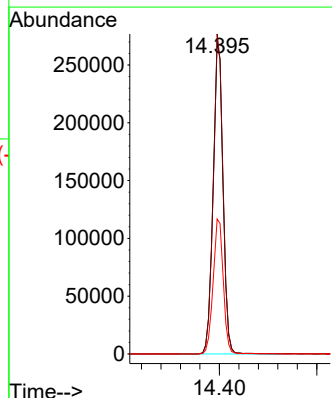
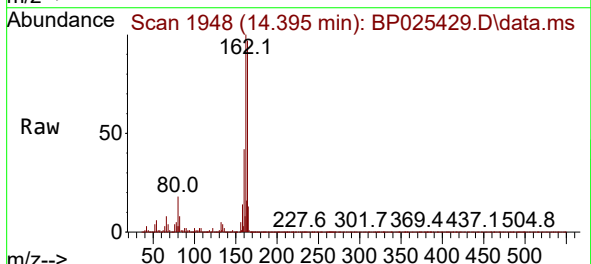
Instrument :
BNA_P
ClientSampleId :
TW-518R-S

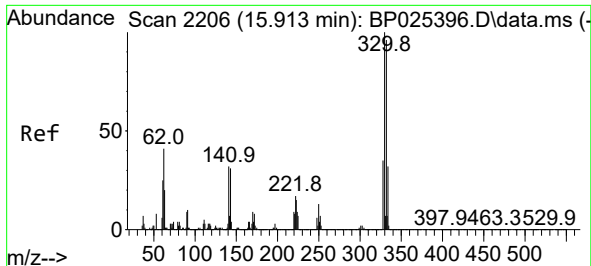
Tgt Ion: 82 Resp: 818057
Ion Ratio Lower Upper
82 100
128 44.6 37.7 56.5
54 50.6 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

Tgt Ion: 164 Resp: 378580
Ion Ratio Lower Upper
164 100
162 102.6 81.0 121.6
160 43.3 35.4 53.2

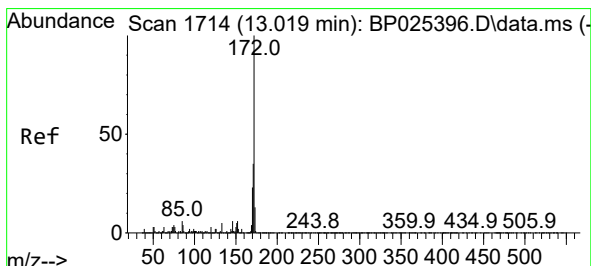
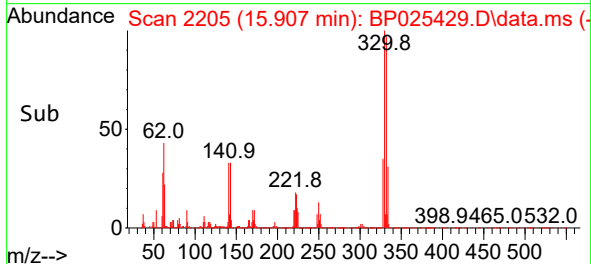
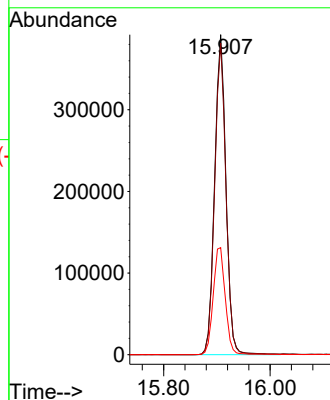
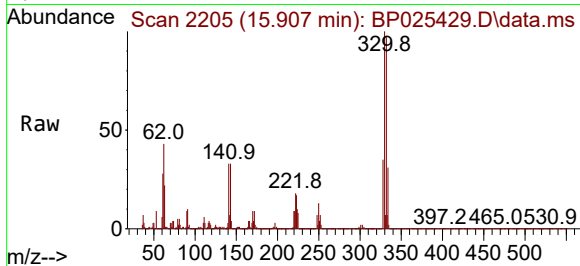




#42
2,4,6-Tribromophenol
Concen: 113.892 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

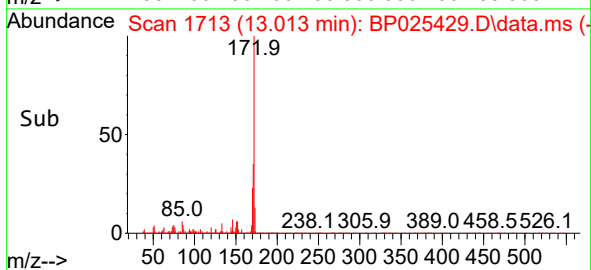
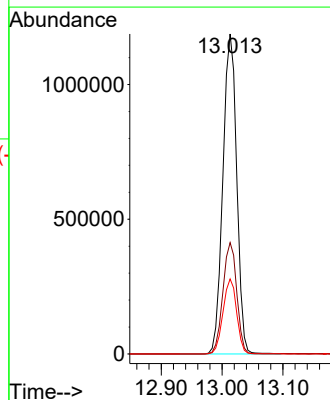
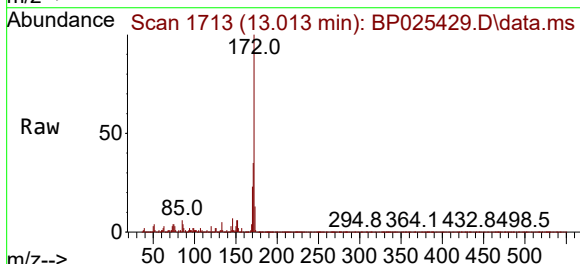
Instrument :
BNA_P
ClientSampleId :
TW-518R-S

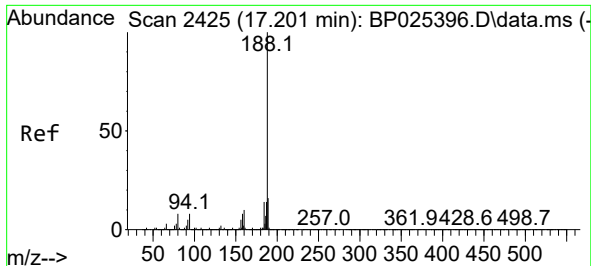
Tgt Ion:	330	Resp:	580361
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.3	115.9
141	35.7	26.6	39.8



#45
2-Fluorobiphenyl
Concen: 67.643 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

Tgt Ion:	172	Resp:	1873752
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.1	42.1
170	23.4	18.6	28.0

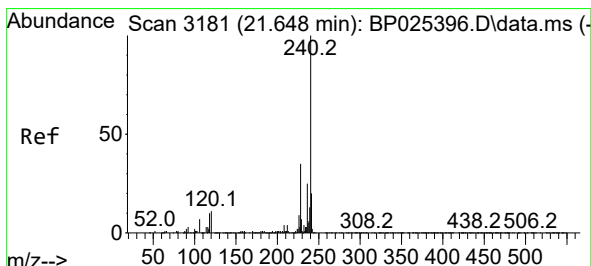
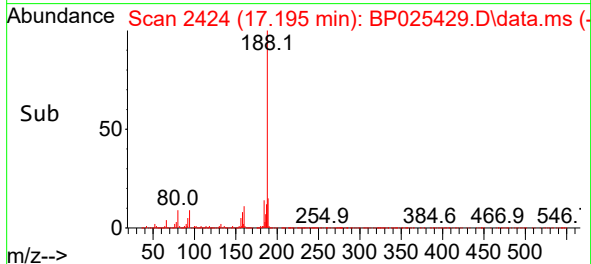
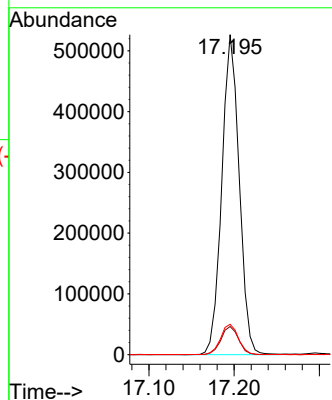
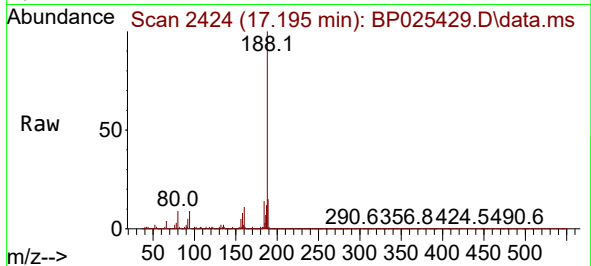




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

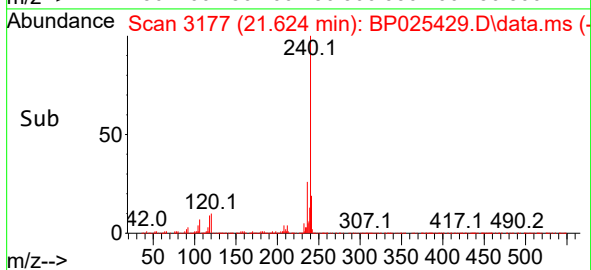
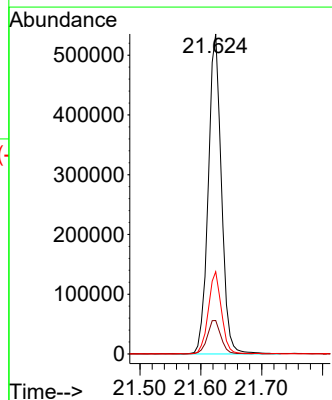
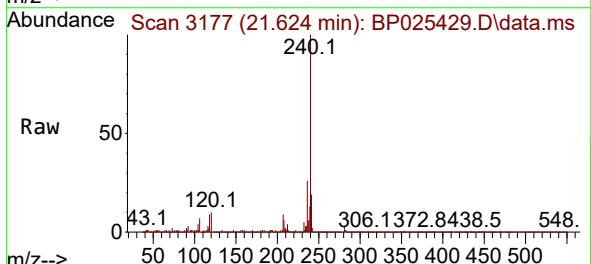
Instrument :
BNA_P
ClientSampleId :
TW-518R-S

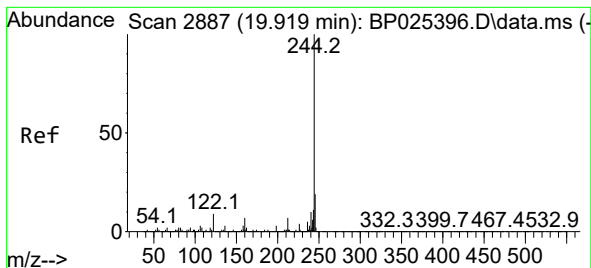
Tgt Ion:188 Resp: 745820
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.5 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.023 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

Tgt Ion:240 Resp: 803558
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.7 19.8 29.8





#79

Terphenyl-d14

Concen: 65.155 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025429.D

Acq: 15 Aug 2025 16:12

Instrument :

BNA_P

ClientSampleId :

TW-518R-S

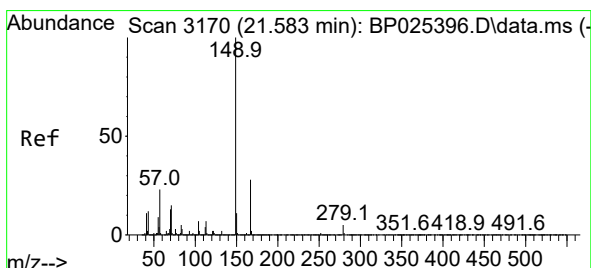
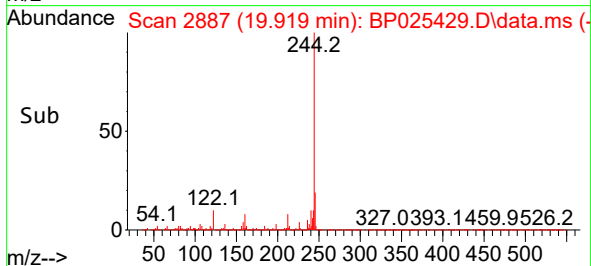
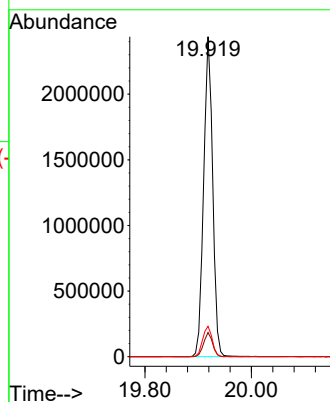
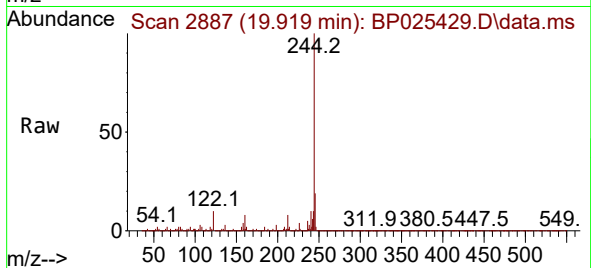
Tgt Ion:244 Resp: 2861648

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 9.5 7.4 11.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.248 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.024 min

Lab File: BP025429.D

Acq: 15 Aug 2025 16:12

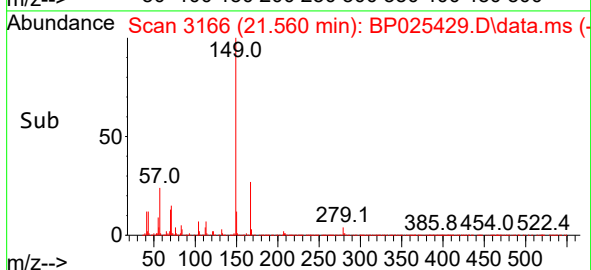
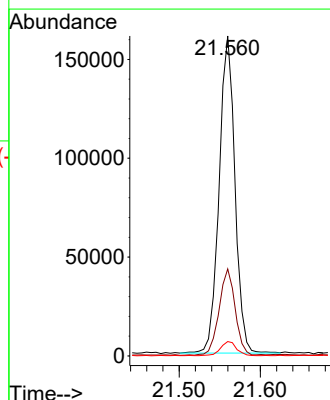
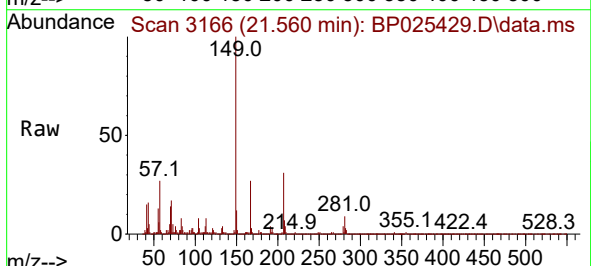
Tgt Ion:149 Resp: 217722

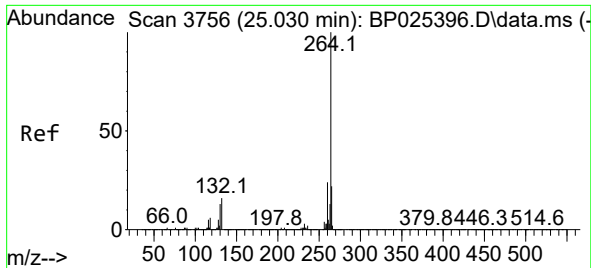
Ion Ratio Lower Upper

149 100

167 27.2 22.1 33.1

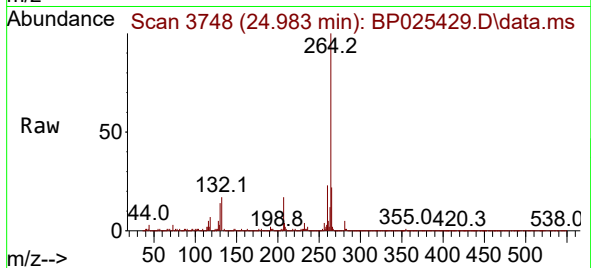
279 4.5 3.8 5.6



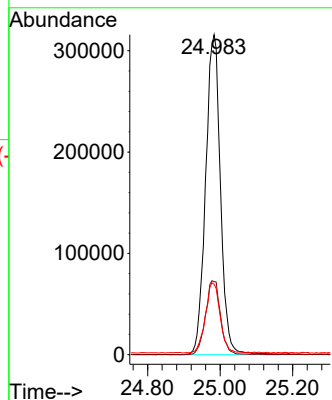
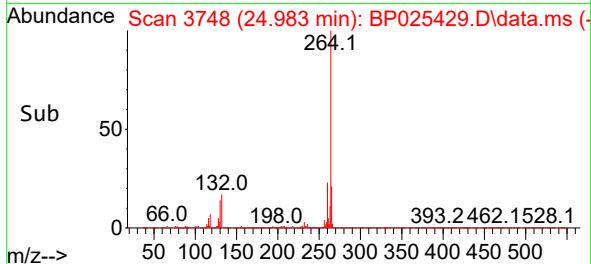


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.983 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP025429.D
Acq: 15 Aug 2025 16:12

Instrument :
BNA_P
ClientSampleId :
TW-518R-S



Tgt Ion:264 Resp: 896940
Ion Ratio Lower Upper
264 100
260 22.9 19.3 28.9
265 22.0 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025429.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	13	17	39	rVB	2289481	2928633	37.55%	5.586%
2	4.943	335	341	351	rVB	160282	233412	2.99%	0.445%
3	5.402	412	419	432	rBV	1431849	2123070	27.22%	4.049%
4	6.960	676	684	697	rBV	1084692	1763139	22.60%	3.363%
5	7.784	817	824	833	rBV	498558	807651	10.35%	1.540%
6	8.925	1010	1018	1031	rBV	1425922	2410865	30.91%	4.598%
7	10.043	1203	1208	1218	rBV	46533	82517	1.06%	0.157%
8	10.548	1287	1294	1303	rBV	675605	1153049	14.78%	2.199%
9	13.013	1705	1713	1722	rBV	3516621	5489188	70.38%	10.470%
10	14.395	1940	1948	1960	rBV	1139680	1619657	20.77%	3.089%
11	15.589	2143	2151	2153	rBV	68947	95758	1.23%	0.183%
12	15.625	2153	2157	2162	rVB	120225	167534	2.15%	0.320%
13	15.731	2169	2175	2178	rBV	76900	102011	1.31%	0.195%
14	15.772	2178	2182	2189	rVB	409708	567152	7.27%	1.082%
15	15.907	2199	2205	2215	rVB	2937132	4523851	58.00%	8.629%
16	16.172	2243	2250	2255	rBV	424996	572507	7.34%	1.092%
17	16.266	2260	2266	2270	rBV	564468	800525	10.26%	1.527%
18	16.331	2270	2277	2283	rVV2	580883	1329711	17.05%	2.536%
19	16.389	2283	2287	2291	rVV2	592392	874696	11.21%	1.668%
20	16.436	2291	2295	2299	rVV	545618	747578	9.58%	1.426%
21	16.483	2299	2303	2306	rVV2	315649	557665	7.15%	1.064%
22	16.542	2309	2313	2316	rVV	315431	481657	6.18%	0.919%
23	16.595	2316	2322	2329	rVV5	664165	1368209	17.54%	2.610%
24	16.666	2329	2334	2337	rVV	599287	827057	10.60%	1.577%
25	16.701	2337	2340	2343	rVV	202027	309821	3.97%	0.591%
26	16.742	2343	2347	2352	rVB	377271	496366	6.36%	0.947%
27	16.795	2352	2356	2362	rVB	55334	99543	1.28%	0.190%
28	16.883	2364	2371	2375	rBV4	89164	185465	2.38%	0.354%
29	17.007	2386	2392	2396	rVB	84538	163851	2.10%	0.313%
30	17.089	2403	2406	2409	rBV2	71521	97496	1.25%	0.186%
31	17.119	2409	2411	2417	rVB2	99880	130718	1.68%	0.249%
32	17.195	2418	2424	2434	rVB2	1323917	1979865	25.38%	3.776%
33	17.789	2521	2525	2535	rBV	101729	160723	2.06%	0.307%
34	18.142	2580	2585	2591	rBV	687206	1034212	13.26%	1.973%
35	19.119	2746	2751	2754	rVB3	53194	78370	1.00%	0.149%
36	19.166	2754	2759	2767	rBV	362988	538250	6.90%	1.027%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.313	2780	2784	2786	rBV	102477	134971	1.73%	0.257%
38	19.466	2805	2810	2824	rBV2	340380	545452	6.99%	1.040%
39	19.624	2834	2837	2841	rVB2	70371	80517	1.03%	0.154%
40	19.742	2854	2857	2864	rVB3	76217	100753	1.29%	0.192%
41	19.919	2882	2887	2893	rVB	6589020	7799883	100.00%	14.877%
42	20.260	2943	2945	2949	rVB	84081	88779	1.14%	0.169%
43	20.401	2967	2969	2974	rVB5	57916	78044	1.00%	0.149%
44	20.783	3031	3034	3038	rVB	138834	132353	1.70%	0.252%
45	21.307	3119	3123	3133	rVB3	345908	685506	8.79%	1.308%
46	21.560	3161	3166	3171	rBV	496159	670670	8.60%	1.279%
47	21.624	3171	3177	3185	rVB	1412781	2117070	27.14%	4.038%
48	21.895	3219	3223	3230	rVB	156519	225838	2.90%	0.431%
49	22.548	3331	3334	3344	rVB2	140148	258723	3.32%	0.493%
50	23.495	3491	3495	3502	rVB2	142716	275869	3.54%	0.526%
51	24.983	3739	3748	3762	rVB2	833505	2332249	29.90%	4.448%

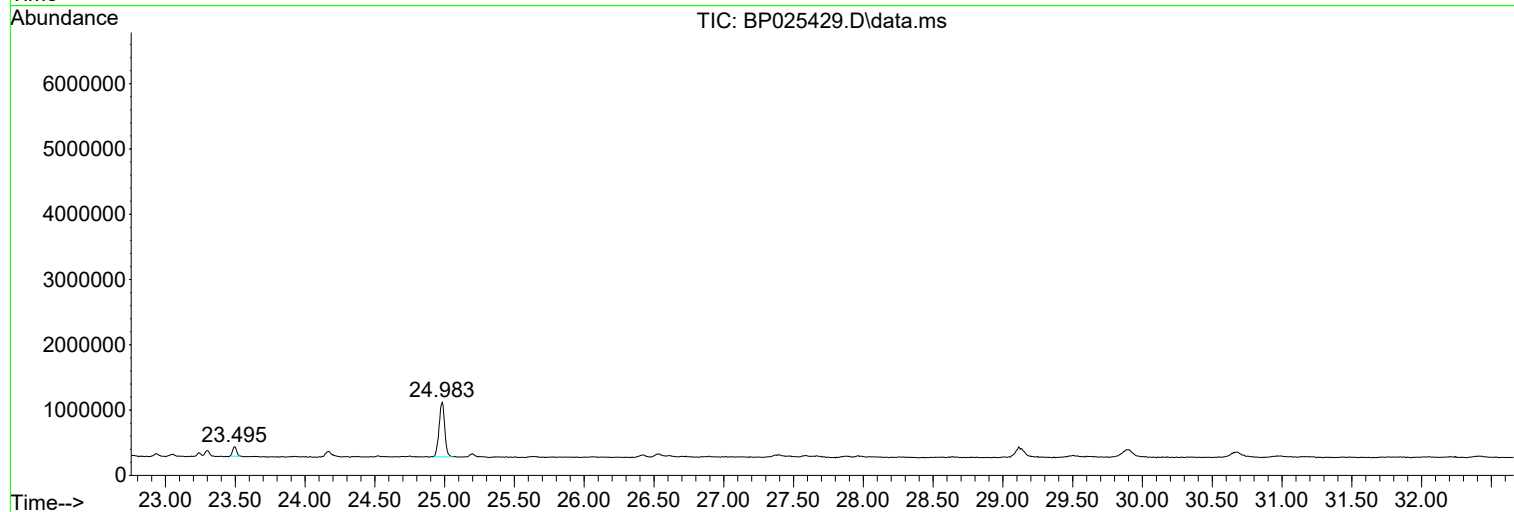
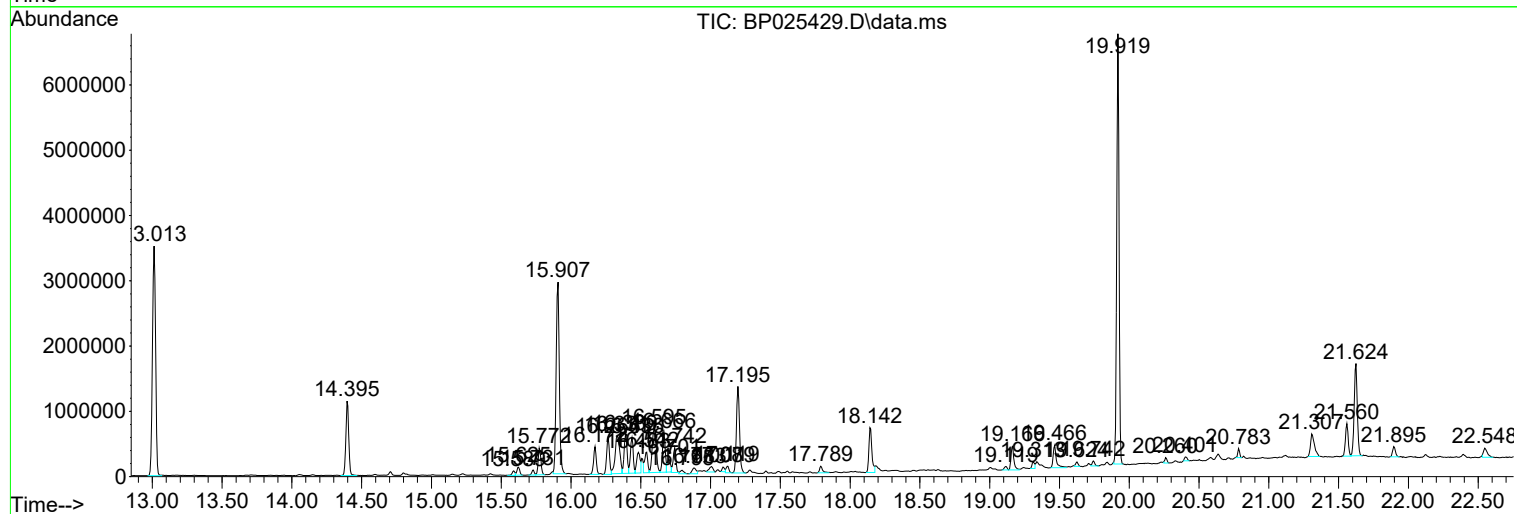
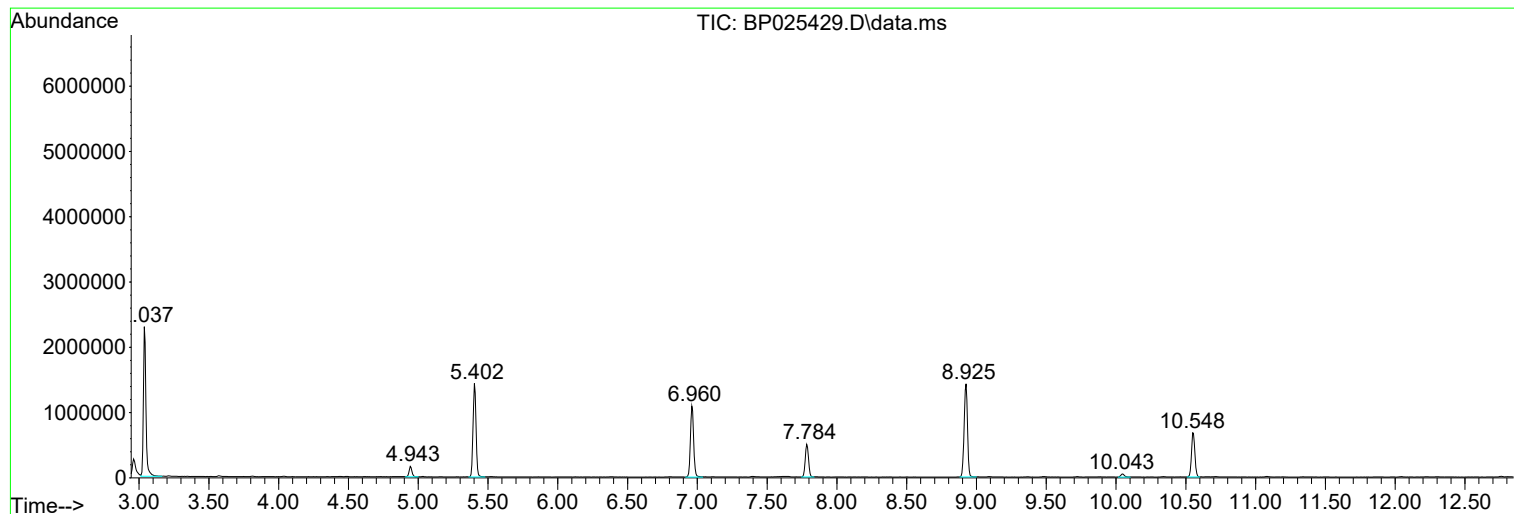
Sum of corrected areas: 52428449

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

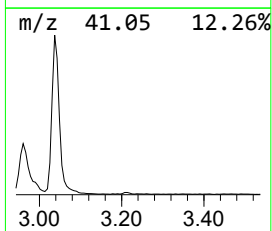
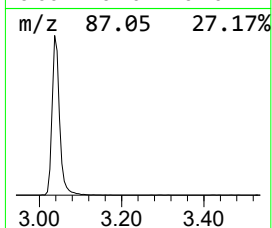
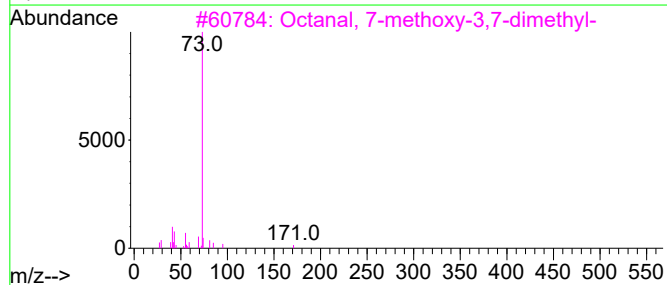
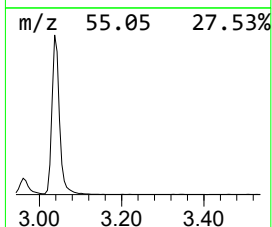
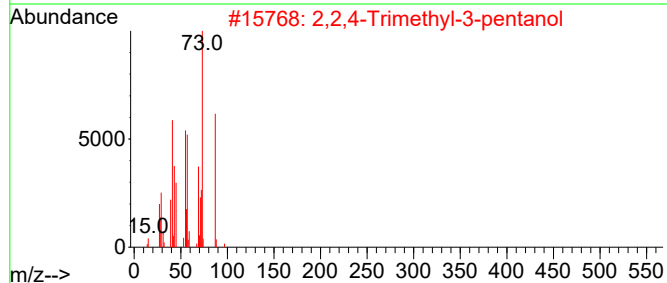
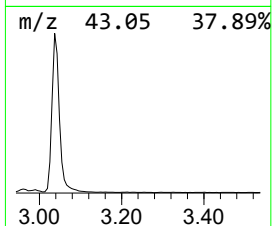
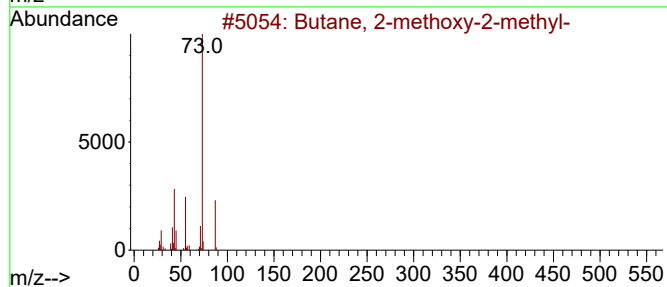
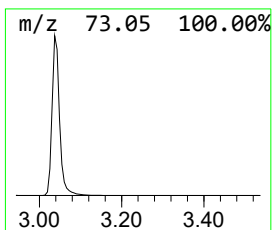
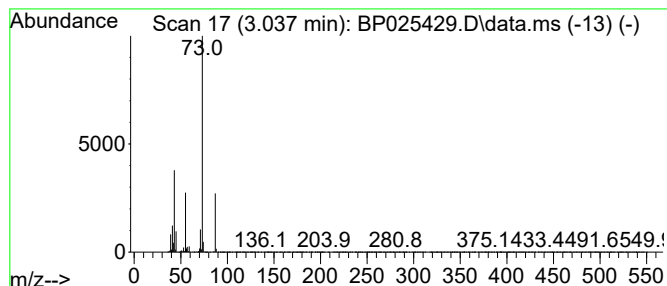
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	72.52 ng	2928630	1,4-Dichlorobenzene-d4	7.784

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
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Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
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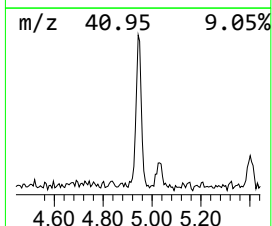
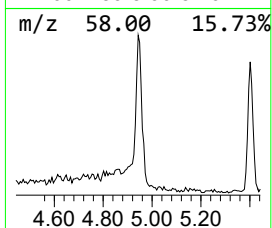
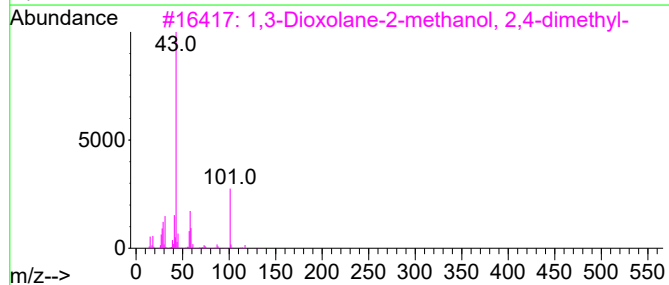
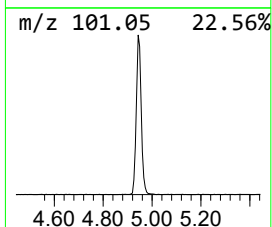
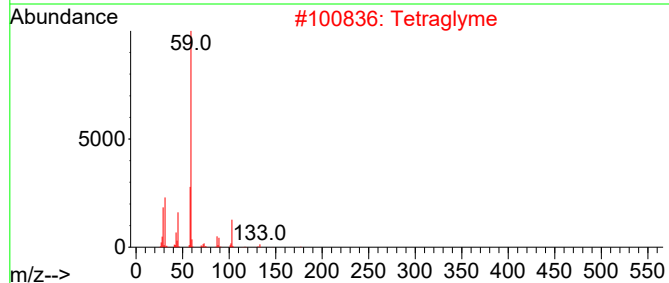
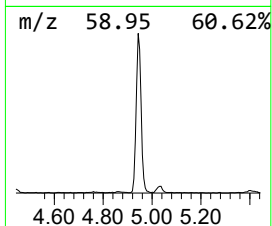
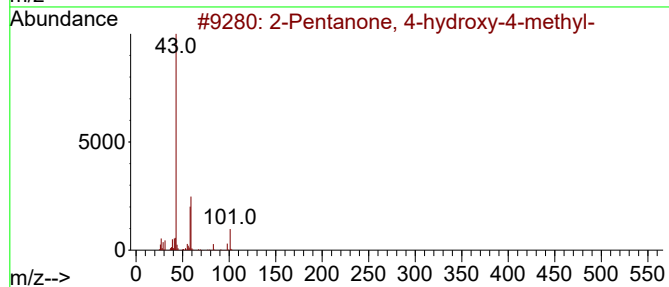
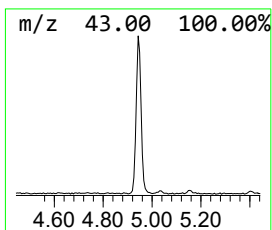
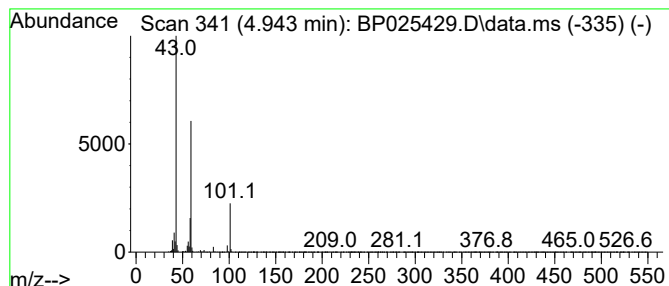
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
4.943	5.78 ng	233412	1,4-Dichlorobenzene-d4		7.784	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	64
2	Tetraglyme		222	C10H22O5	000143-24-8	25
3	1,3-Dioxolane-2-methanol, 2,4-di...		132	C6H12O3	053951-43-2	25
4	2,5,8,11-Tetraoxadodecane		178	C8H18O4	000112-49-2	23
5	1,2-Butanediol		90	C4H10O2	000584-03-2	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
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ALS Vial : 9 Sample Multiplier: 1

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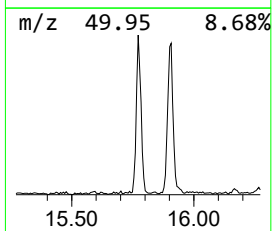
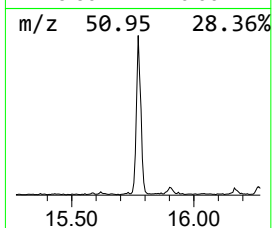
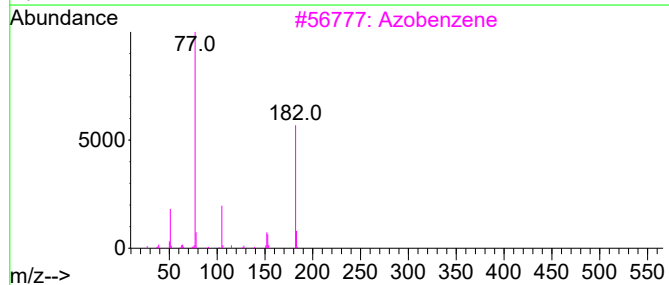
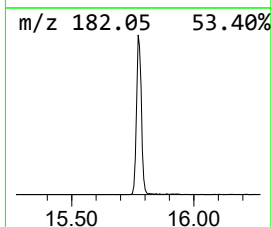
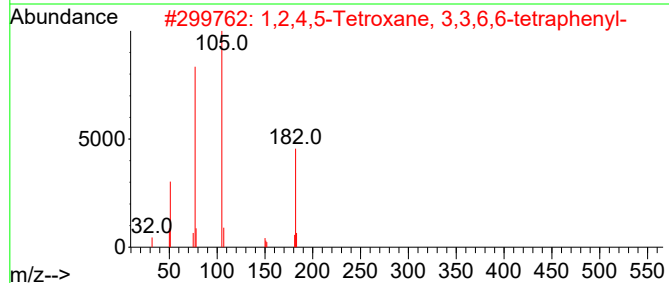
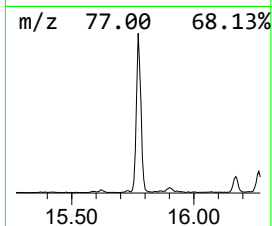
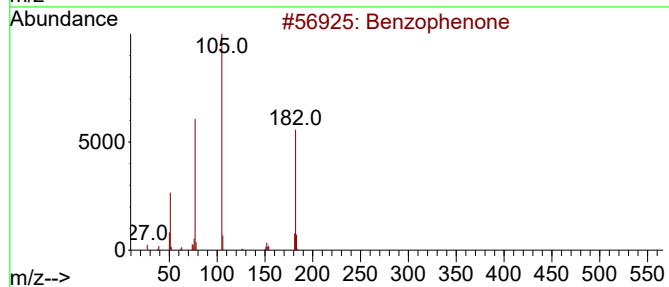
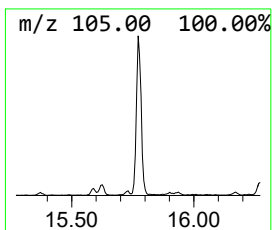
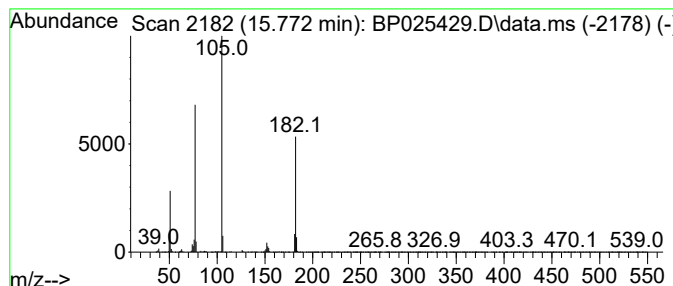
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	7.00 ng	567152	Acenaphthene-d10	14.395

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Azobenzene	182	C12H10N2	000103-33-3	53
4			Azobenzene, (E)-	182	C12H10N2	017082-12-1	50
5			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
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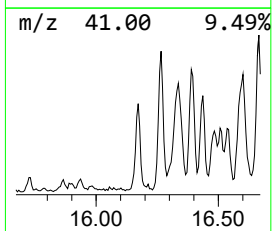
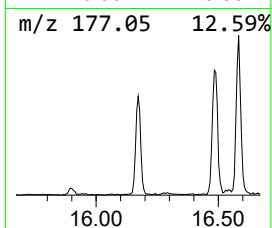
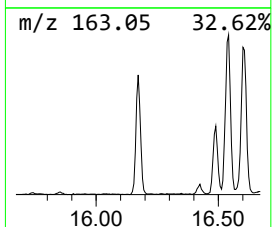
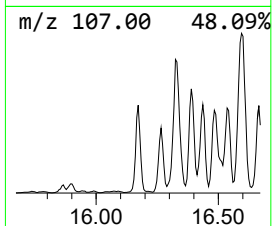
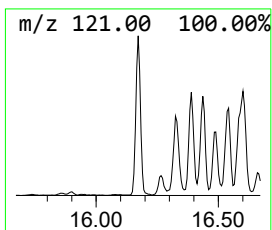
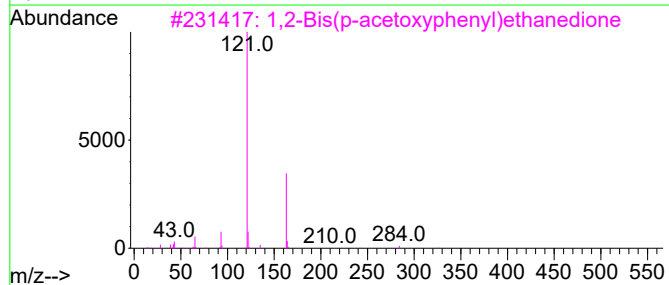
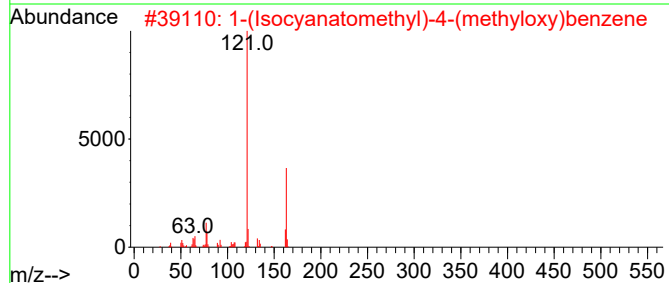
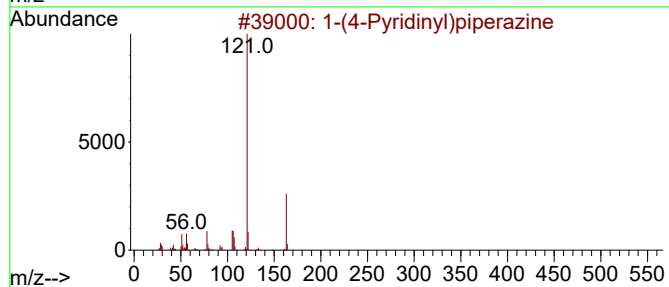
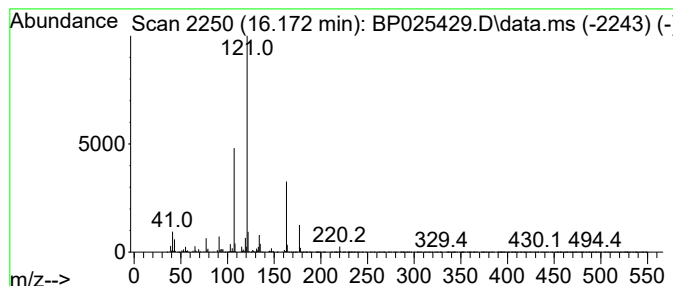
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-(4-Pyridinyl)piperazine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.172	5.78 ng	572507	Phenanthrene-d10		17.195	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-(4-Pyridinyl)piperazine		163	C9H13N3	001008-91-9	50
2	1-(Isocyanatomethyl)-4-(methylox...		163	C9H9NO2	056651-60-6	50
3	1,2-Bis(p-acetoxyphenyl)ethanedione		326	C18H14O6	093655-79-9	50
4	1-Propyl-1,2,3,4-tetrahydropyrro...		164	C10H16N2	112758-86-8	49
5	2H-1,2,3,4-Tetrazol-5-amine, N-[...		205	C9H11N5O	1000337-56-1	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
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Misc :
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Instrument :
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ClientSampleId :
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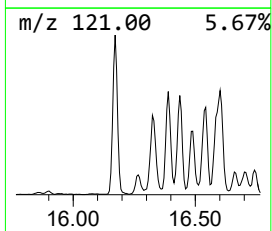
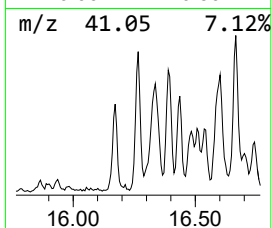
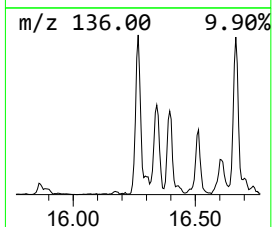
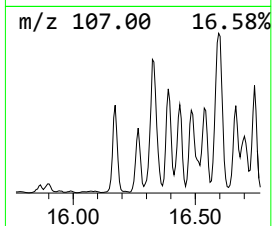
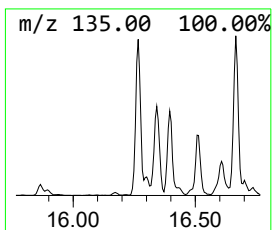
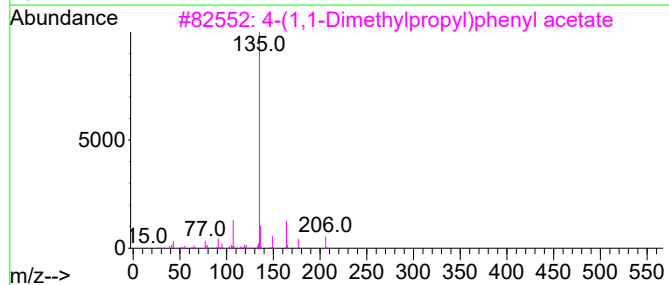
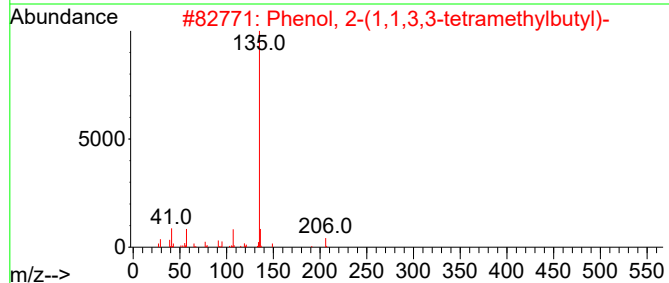
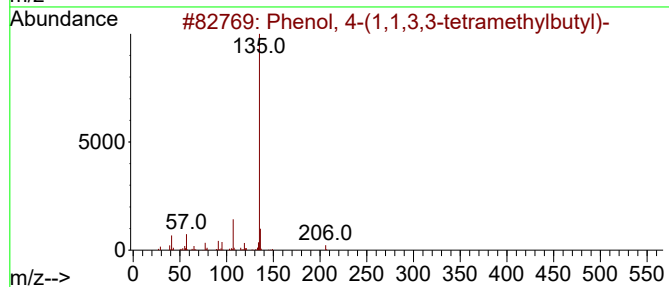
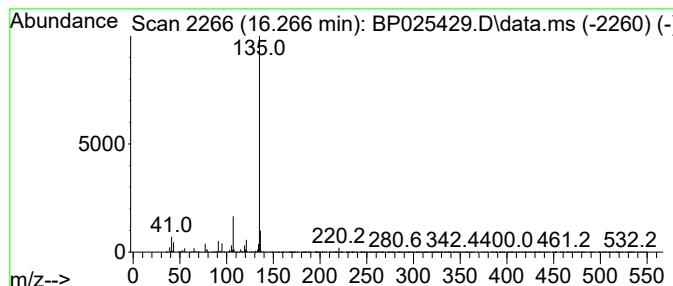
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.266	8.09 ng	800525	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	86
2			Phenol, 2-(1,1,3,3-tetramethylbu...	206	C14H22O	003884-95-5	78
3			4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	78
4			Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	78
5			2-tert-Butylphenol, 0-(n-propylo...	236	C14H20O3	1000487-37-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
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Misc :
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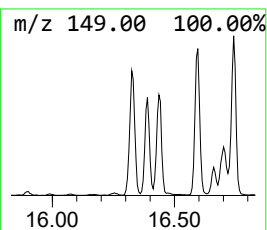
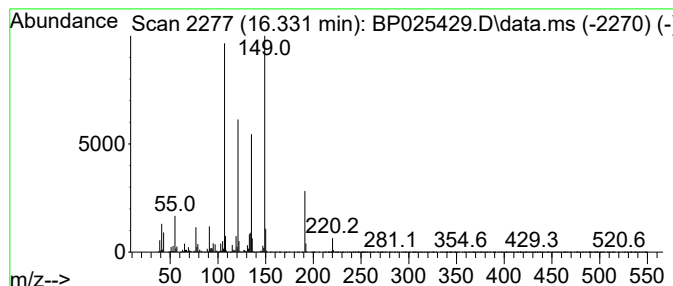
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown16.331 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.331	13.43 ng	1329710	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(3,3-dimethylbicyclo[...]	166	C11H18O	002226-05-3	46
2			4-(7-Methyloctyl)phenol	220	C15H24O	024518-48-7	38
3			Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	38
4			Phthalic acid, 4-methylhept-3-yl...	320	C19H28O4	1000377-93-7	35
5			Butanamide, N-(2-methylphenyl)-3...	191	C11H13NO2	000093-68-5	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
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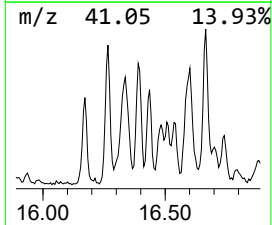
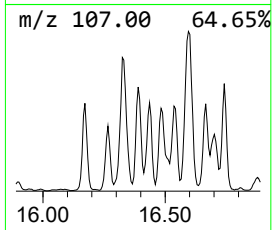
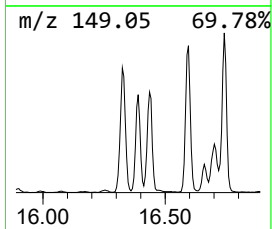
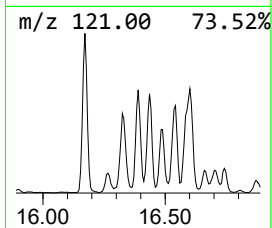
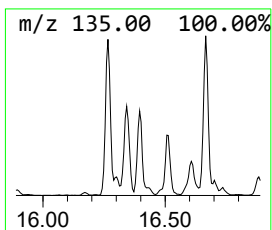
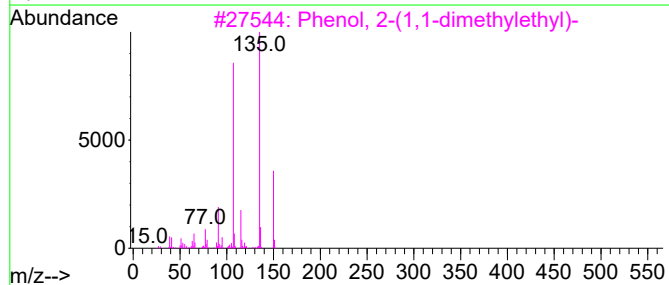
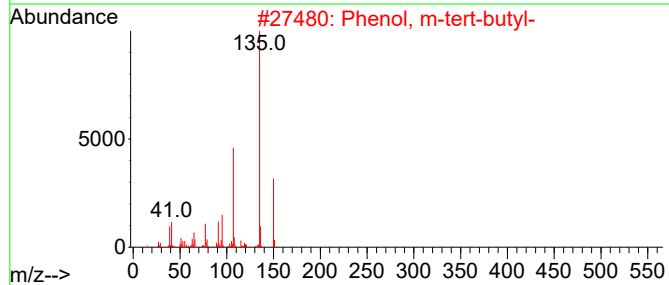
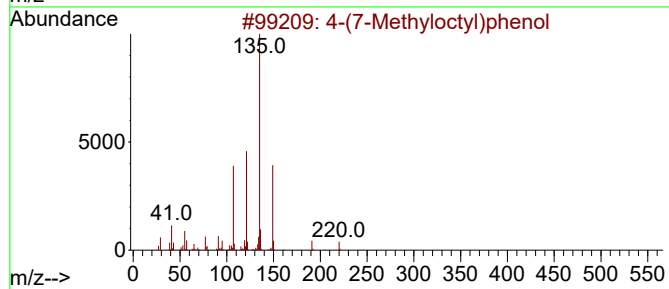
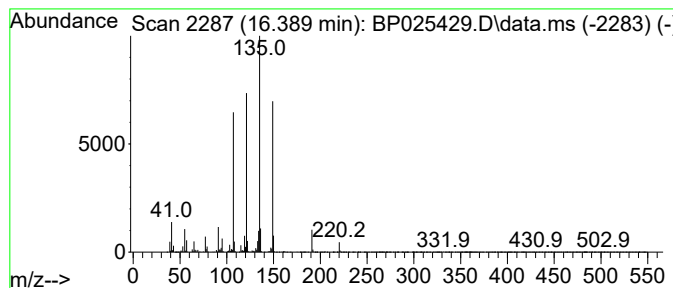
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4-(7-Methyloctyl)phenol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.389	8.84 ng	874696	Phenanthrene-d10	17.195	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(7-Methyloctyl)phenol	220	C15H24O	024518-48-7	95
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	38
3	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	38
4	Hexestrol, O-(n-propyloxycarbonyl)-	356	C22H28O4	1000487-65-1	38
5	Hexestrol, O-methoxycarbonyl-	328	C20H24O4	1000487-66-3	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
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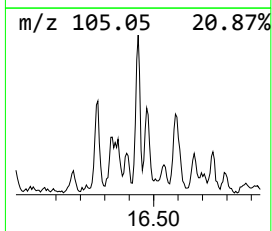
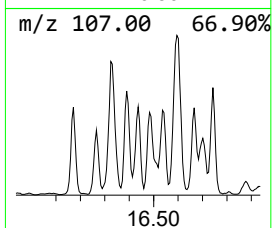
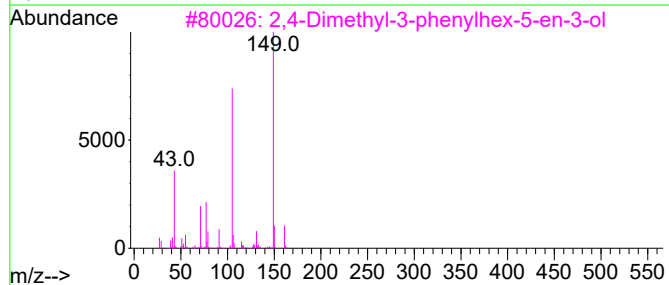
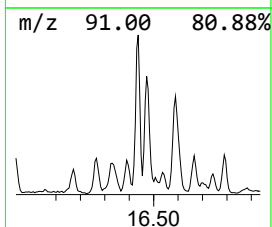
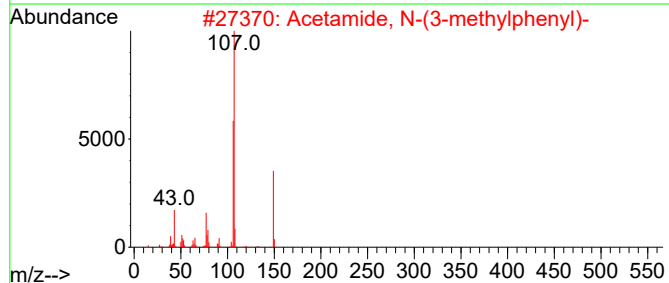
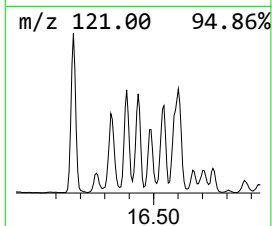
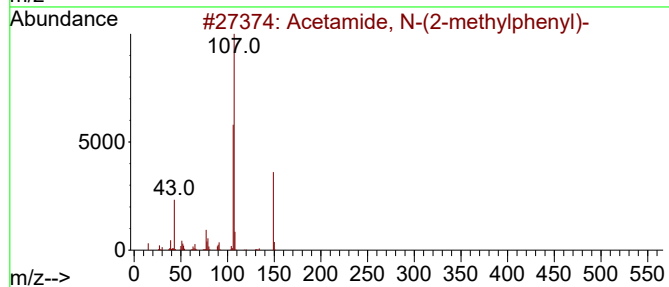
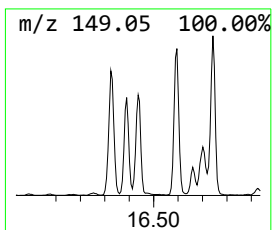
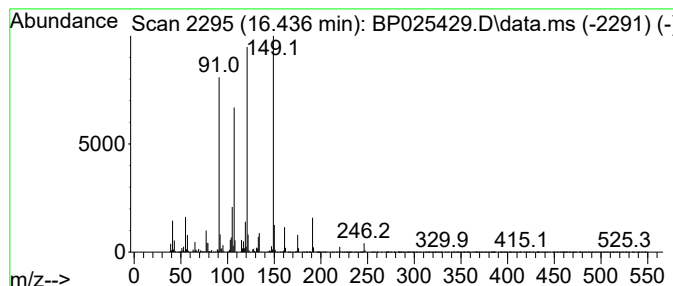
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown16.436 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.436	7.55 ng	747578	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	38
2			Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	38
3			2,4-Dimethyl-3-phenylhex-5-en-3-ol	204	C14H20O	342625-00-7	27
4			(3aR,4R,7R,7aS)-1,1,3a,7-tetrame...	222	C15H26O	1000496-79-9	27
5			m-Tolyl isothiocyanate	149	C8H7NS	000621-30-7	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
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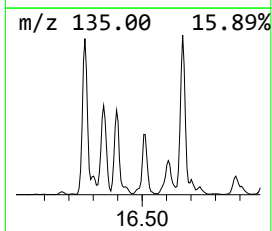
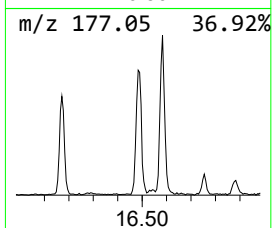
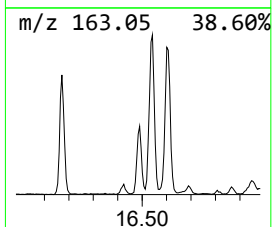
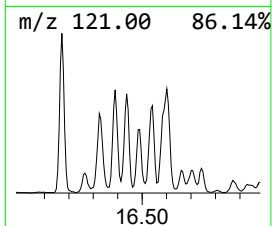
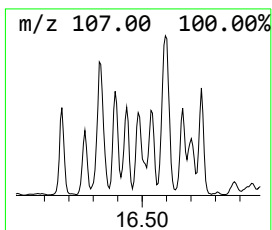
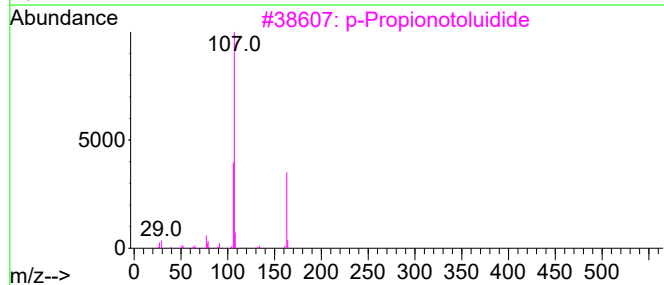
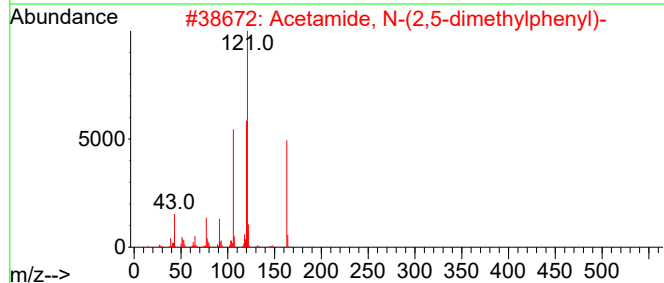
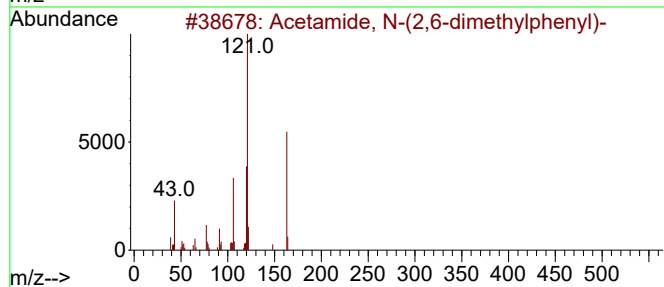
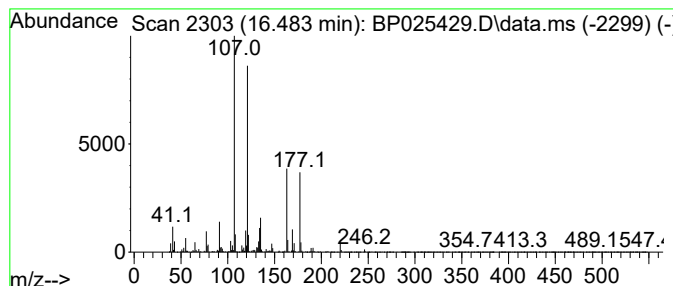
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown16.483 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.483	5.63 ng	557665	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetamide, N-(2,6-dimethylphenyl)-	163	C10H13NO	002198-53-0	38
2			Acetamide, N-(2,5-dimethylphenyl)-	163	C10H13NO	002050-44-4	38
3			p-Propionotoluidide	163	C10H13NO	002759-55-9	35
4			Propanamide, N-(3-methylphenyl)-...	177	C11H15NO	1000307-32-0	30
5			Benzene, 1-ethoxy-4-ethyl-	150	C10H14O	001585-06-4	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

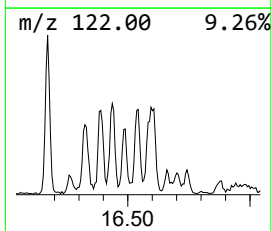
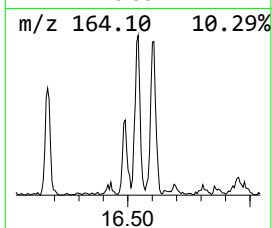
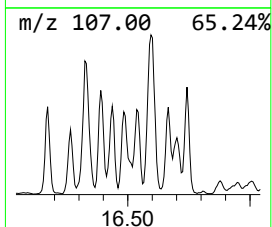
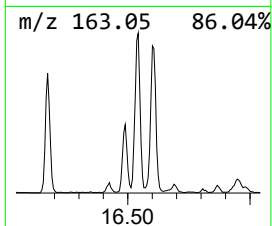
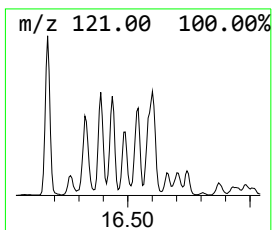
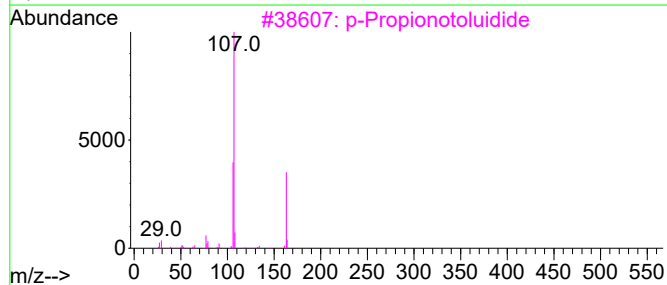
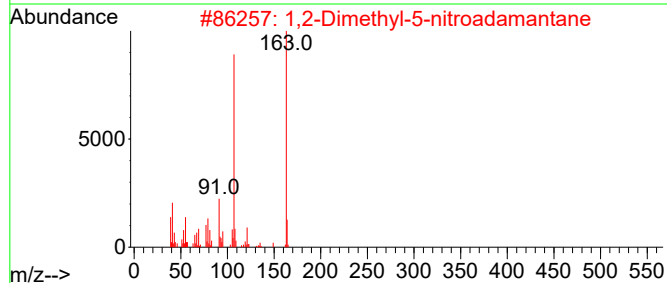
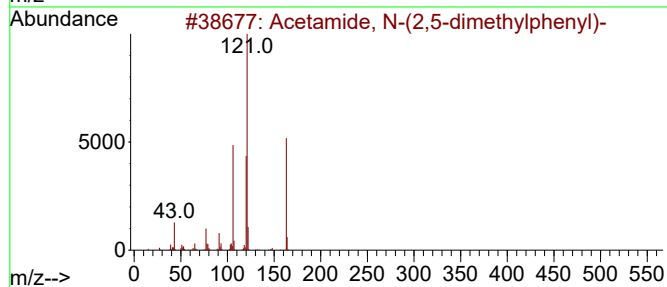
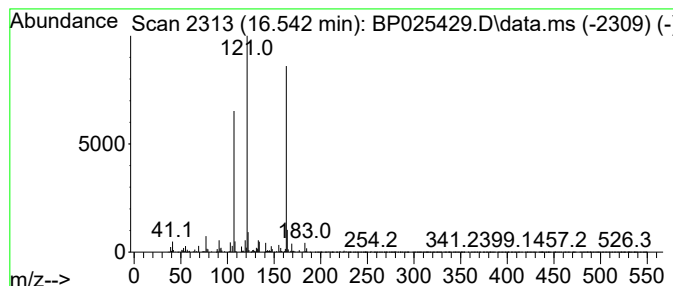
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Acetamide, N-(2,5-dimethylp... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.542	4.87 ng	481657	Phenanthrene-d10	17.195

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acetamide, N-(2,5-dimethylphenyl)-	163	C10H13NO	002050-44-4	58
2		1,2-Dimethyl-5-nitroadamantane	209	C12H19NO2	006588-68-7	43
3		p-Propionotoluidide	163	C10H13NO	002759-55-9	43
4		2-Propanone, 1-(4-methoxyphenyl)-	164	C10H12O2	000122-84-9	30
5		4-sec-Butylphenol, O-isopropyllox...	236	C14H20O3	1201410-83-4	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

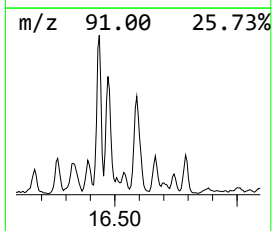
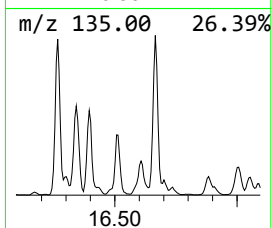
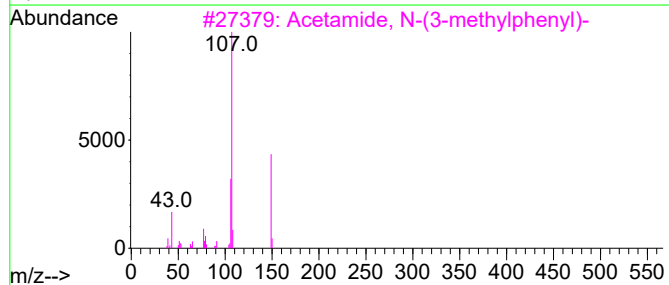
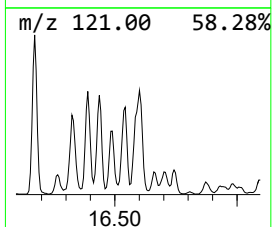
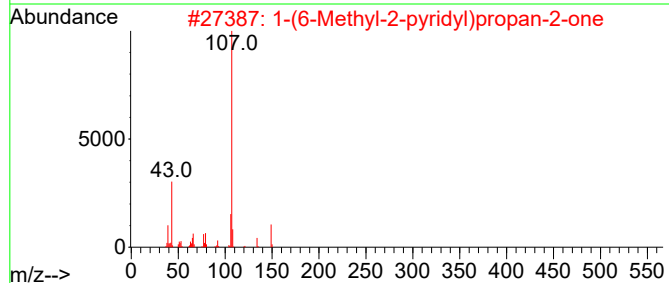
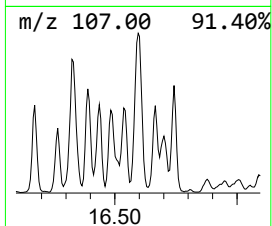
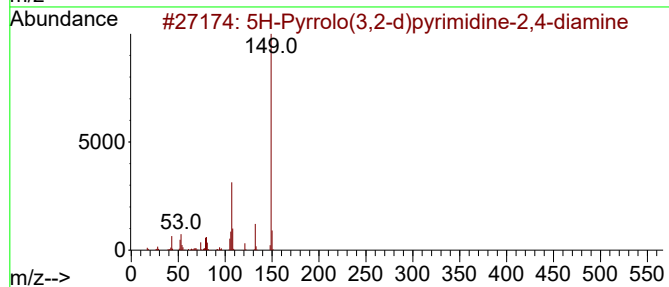
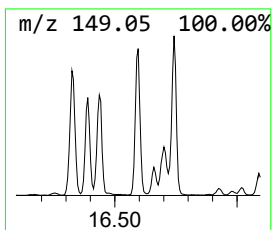
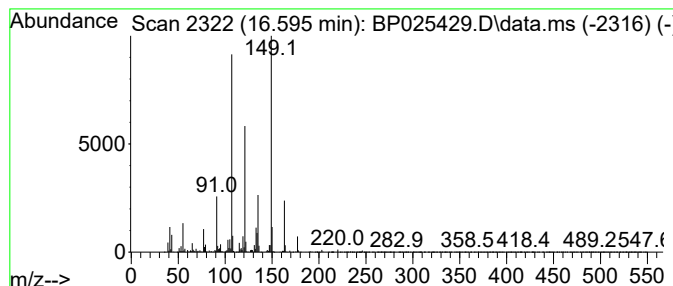
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ClientSampleId :
TW-518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 5H-Pyrrolo(3,2-d)pyrimidine... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
16.595	13.82 ng	1368210	Phenanthrene-d10			17.195
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	5H-Pyrrolo(3,2-d)pyrimidine-2,4-...		149	C6H7N5	1000244-21-4	64
2	1-(6-Methyl-2-pyridyl)propan-2-one		149	C9H11NO	065702-08-1	58
3	Acetamide, N-(3-methylphenyl)-		149	C9H11NO	000537-92-8	58
4	2-Methyl-4-hydroxybenzoxazole		149	C8H7NO2	051110-60-2	46
5	1-Isopropenyl-3-propenylcyclopen...		150	C11H18	1000192-81-2	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

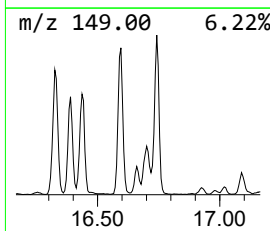
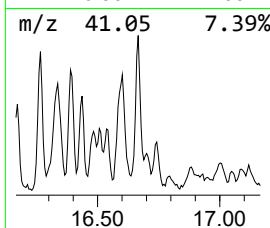
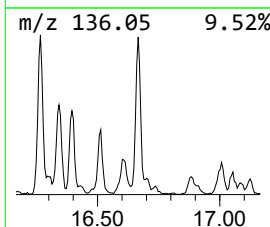
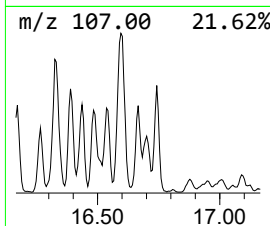
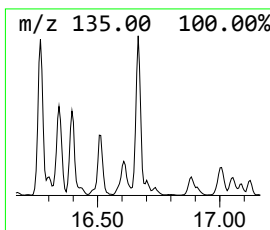
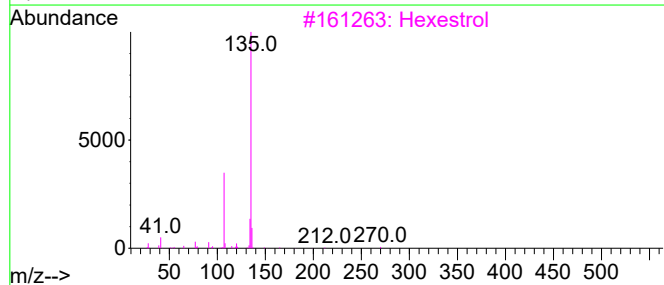
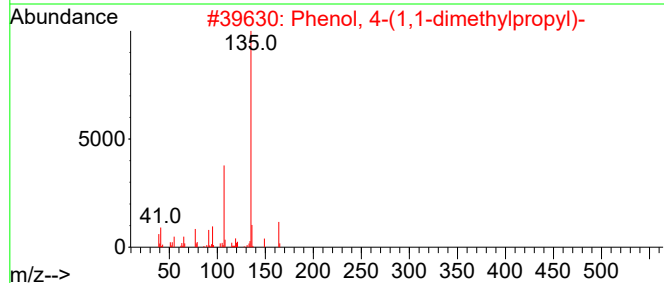
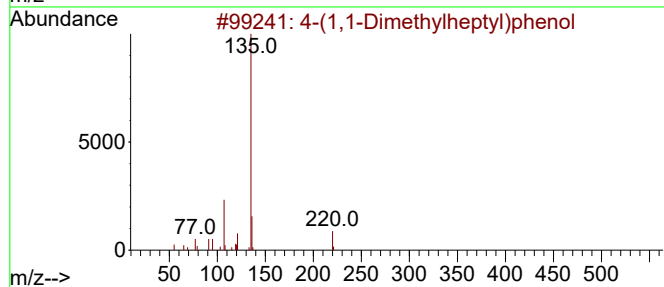
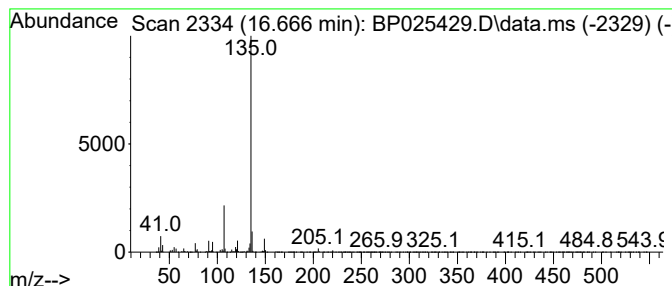
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4-(1,1-Dimethylheptyl)phenol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.666	8.35 ng	827057	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-(1,1-Dimethylheptyl)phenol	220	C15H24O	1000384-80-3	74
2			Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	72
3			Hexestrol	270	C18H22O2	000084-16-2	64
4			Phenol, 2-(1,1,3,3-tetramethylbu...	206	C14H22O	003884-95-5	64
5			((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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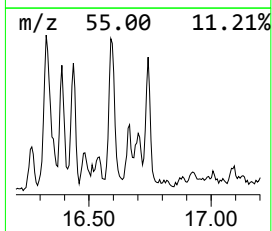
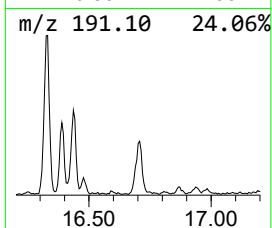
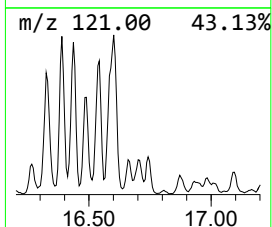
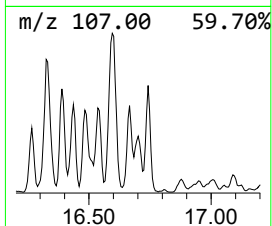
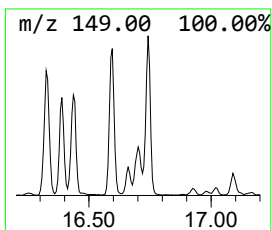
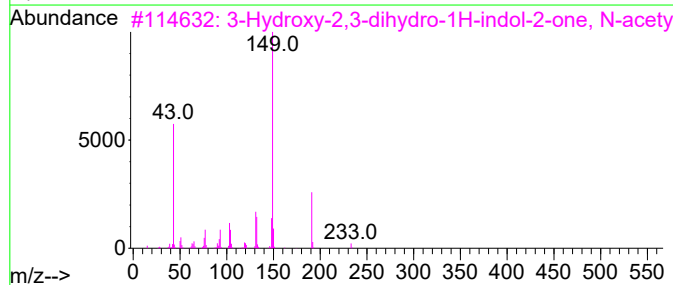
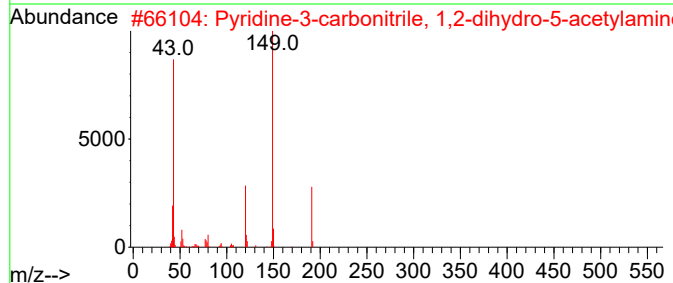
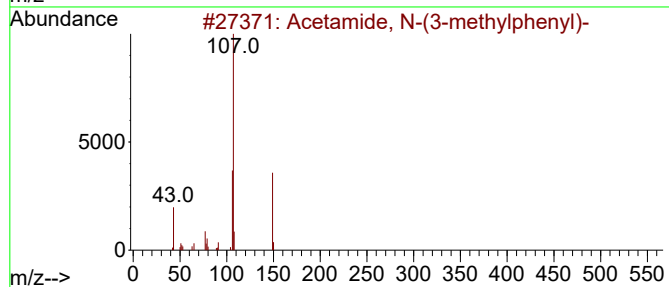
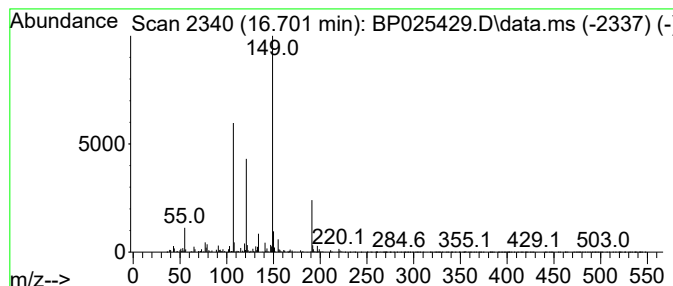
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Acetamide, N-(3-methylphenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.701	3.13 ng	309821	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	58
2			Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	52
3			3-Hydroxy-2,3-dihydro-1H-indol-2...	233	C12H11NO4	1000502-99-4	50
4			Phthalic acid, 7-methyloct-3-yn-...	330	C20H26O4	1000315-42-5	47
5			1,2-propanedione,1-(3,4-methylen...	192	C10H8O4	1000378-93-0	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-518R-S

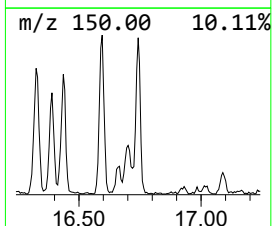
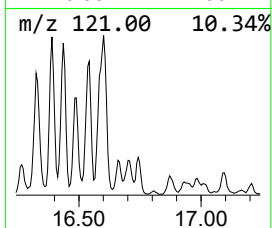
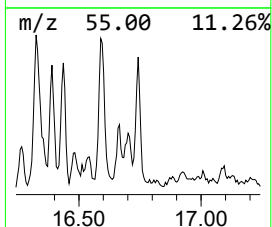
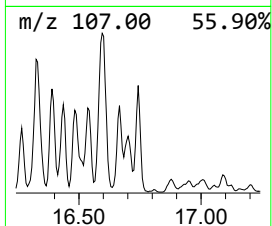
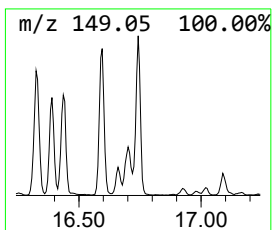
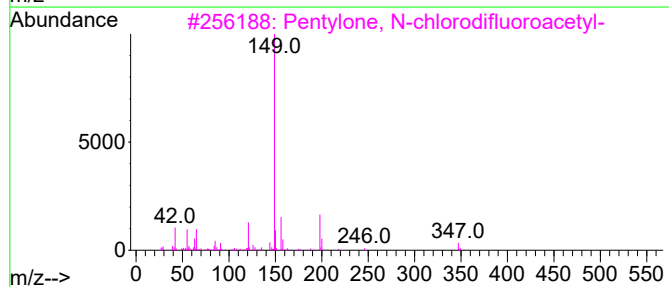
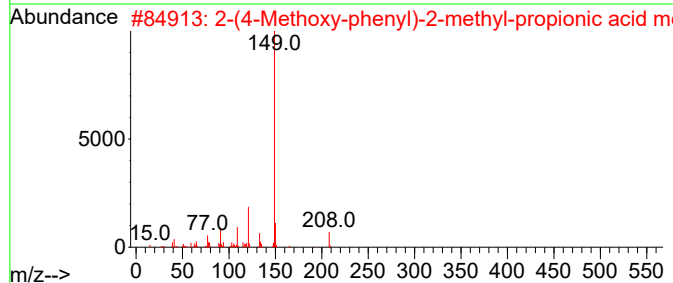
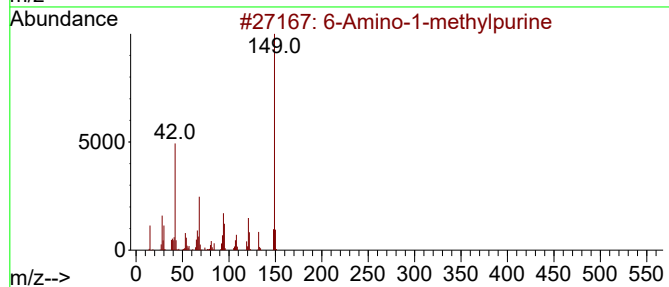
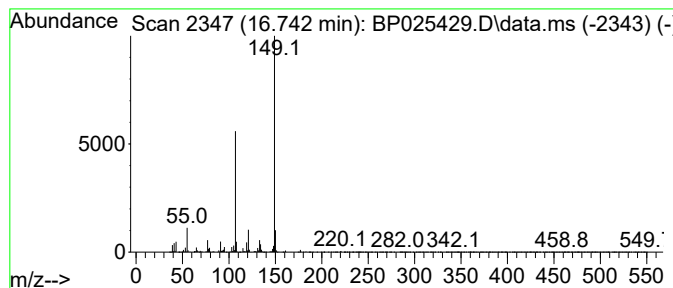
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 6-Amino-1-methylpurine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.742	5.01 ng	496366	Phenanthrene-d10	17.195

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		6-Amino-1-methylpurine	149	C6H7N5	005142-22-3	50
2		2-(4-Methoxy-phenyl)-2-methyl-pr...	208	C12H16O3	006274-50-6	50
3		Pentylone, N-chlorodifluoroacetyl-	347	C15H16ClF2NO4	1000448-27-1	47
4		7-Methylthieno[3,2-b]pyridine	149	C8H7NS	013362-83-9	47
5		Benzaldehyde, 3-pentafluoropheno...	332	C15H9F5O3	329222-68-6	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
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Acq On : 15 Aug 2025 16:12
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ALS Vial : 9 Sample Multiplier: 1

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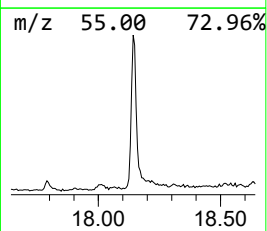
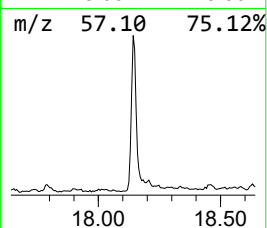
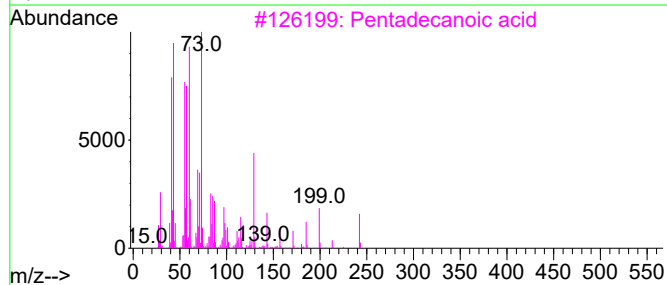
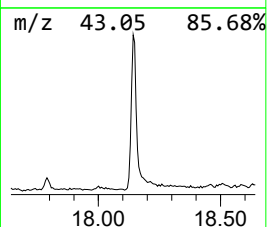
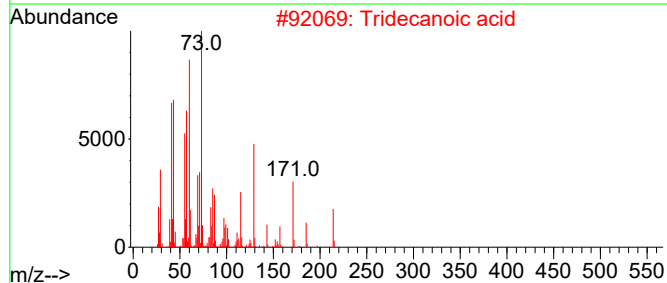
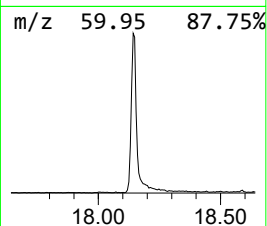
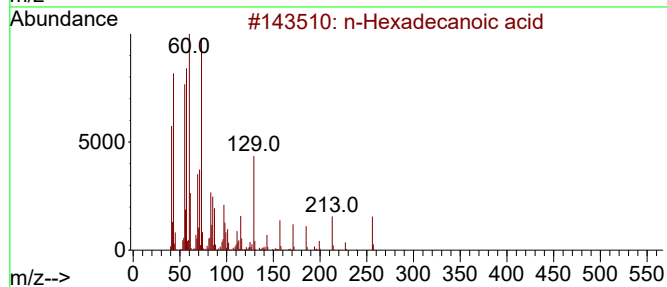
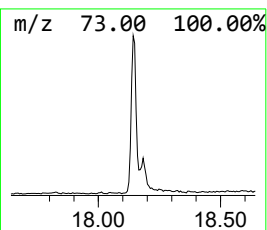
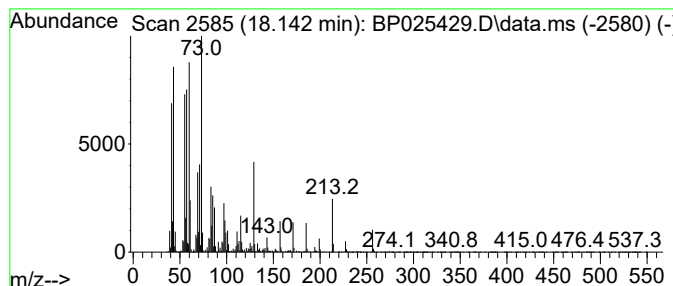
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	10.45 ng	1034210	Phenanthrene-d10	17.195

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tridecanoic acid	214	C13H26O2	000638-53-9	95
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5		n-Decanoic acid	172	C10H20O2	000334-48-5	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

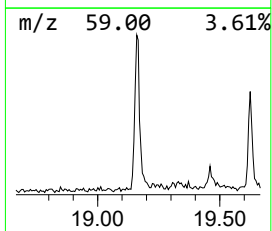
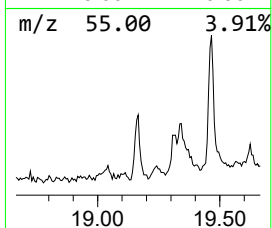
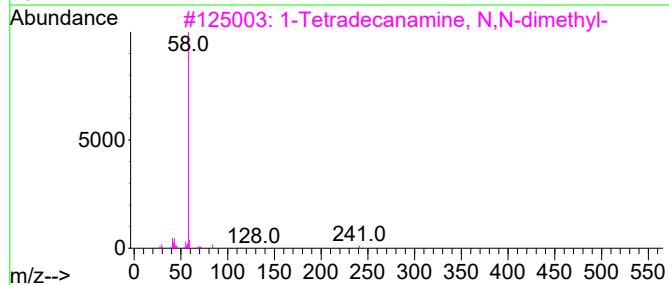
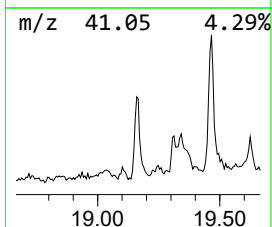
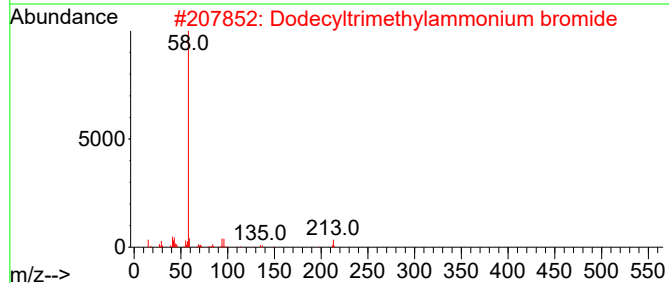
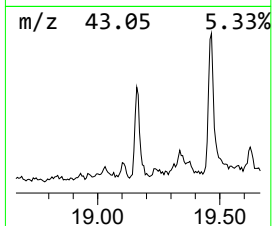
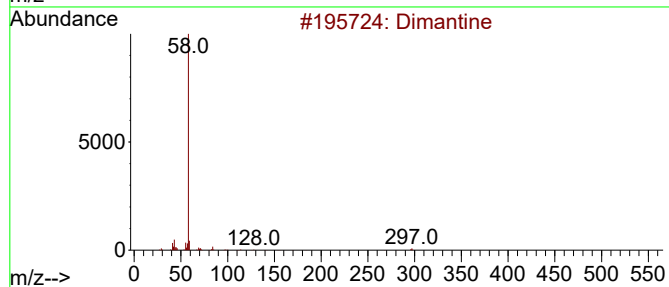
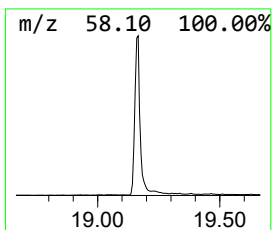
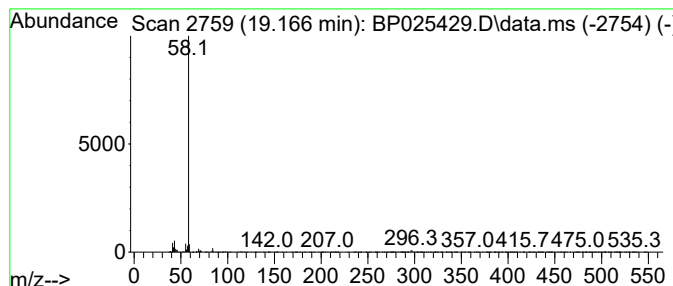
Instrument :
BNA_P
ClientSampleId :
TW-518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dimantine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.166	5.44 ng	538250	Phenanthrene-d10		17.195	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dimantine		297	C20H43N	000124-28-7	90
2	Dodecyltrimethylammonium bromide		307	C15H34BrN	001119-94-4	78
3	1-Tetradecanamine, N,N-dimethyl-		241	C16H35N	000112-75-4	78
4	Dimethyl palmitamine		269	C18H39N	000112-69-6	78
5	Cetrimonium Bromide		363	C19H42BrN	000057-09-0	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

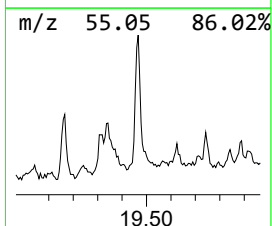
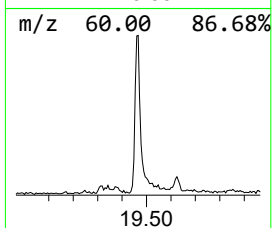
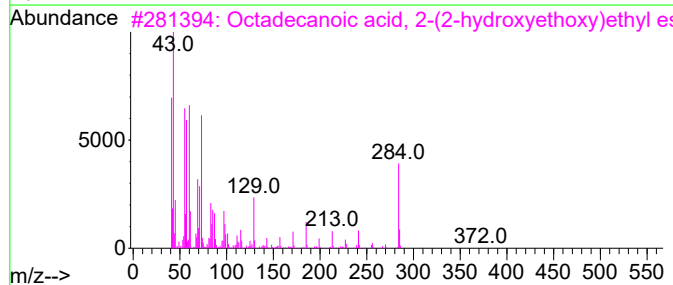
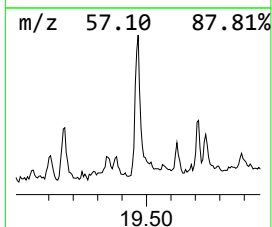
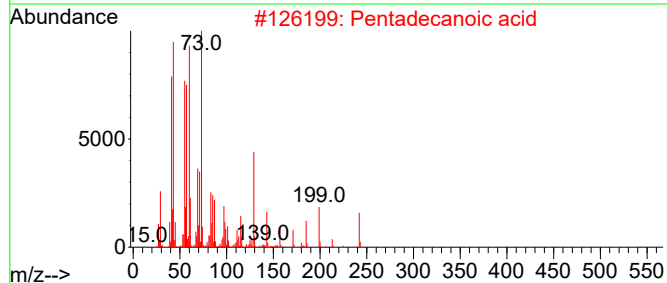
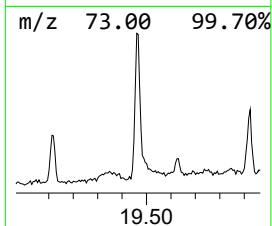
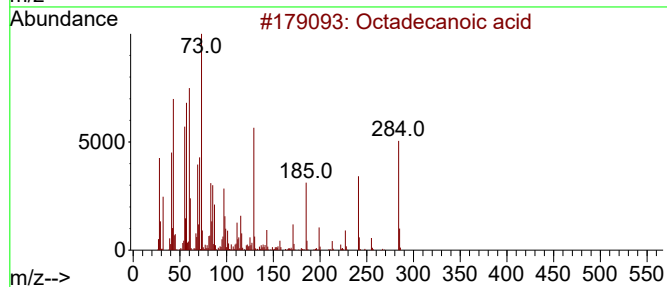
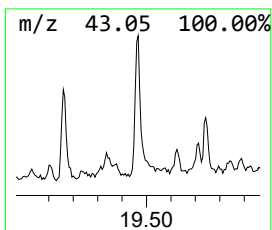
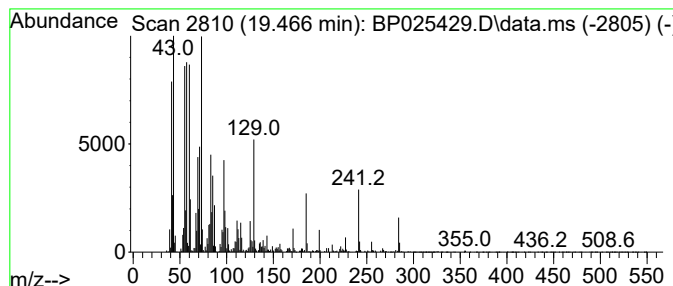
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.466	5.15 ng	545452	Chrysene-d12	21.624

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3		Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	53
5		Cetene	224	C16H32	000629-73-2	44



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

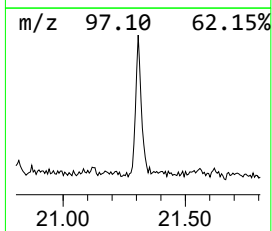
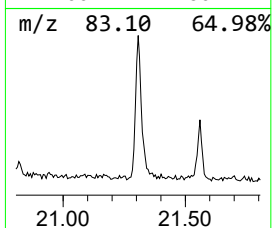
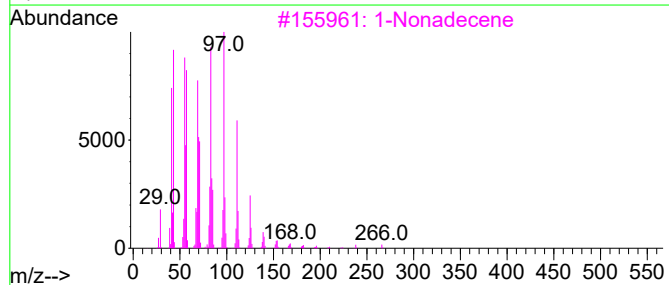
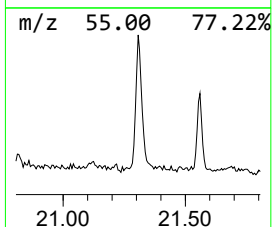
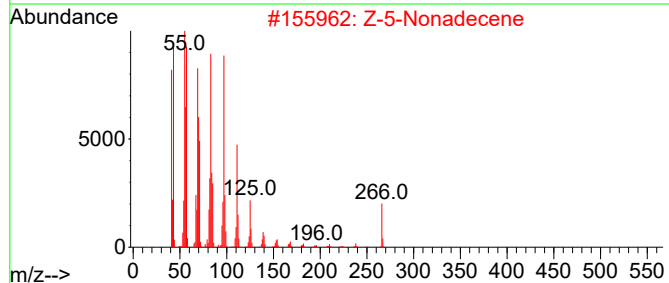
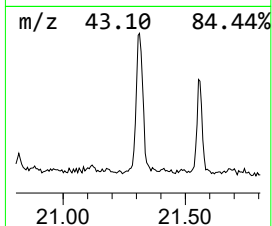
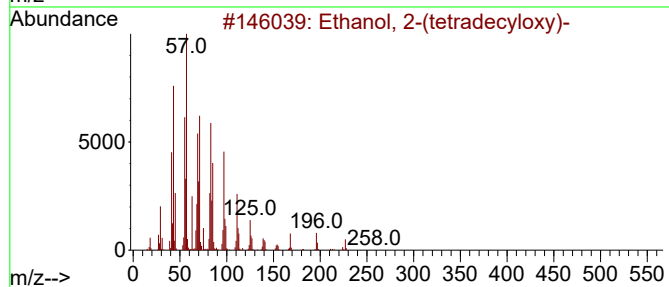
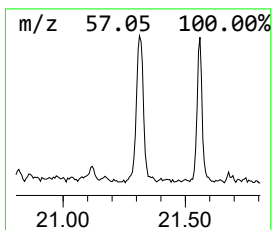
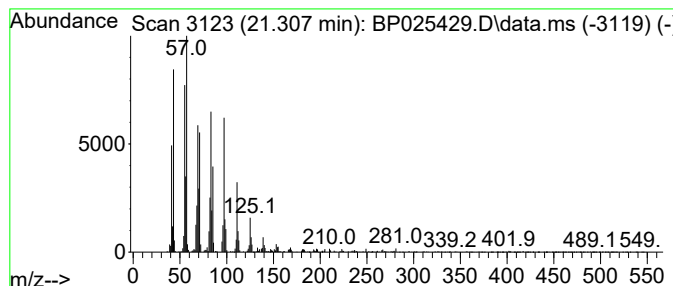
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Ethanol, 2-(tetradecyloxy)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.307	6.48 ng	685506	Chrysene-d12	21.624

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	96
2		Z-5-Nonadecene	266	C19H38	1000131-11-8	95
3		1-Nonadecene	266	C19H38	018435-45-5	94
4		2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	94
5		Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

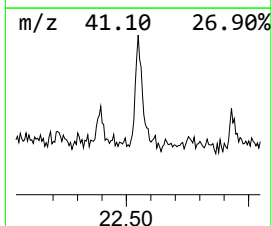
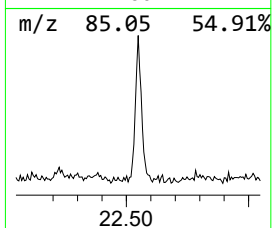
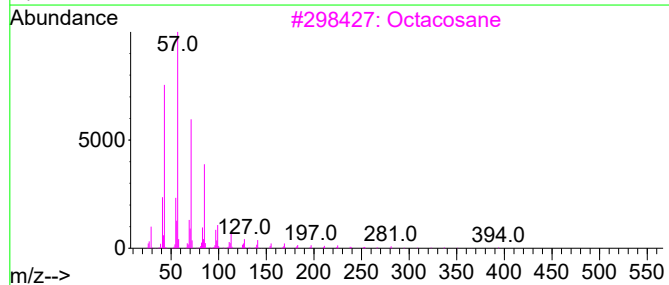
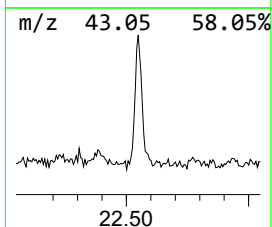
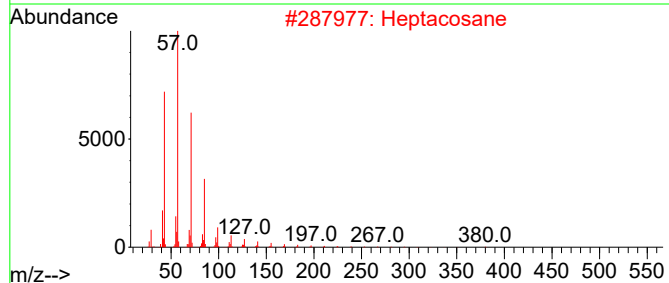
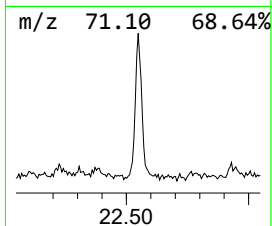
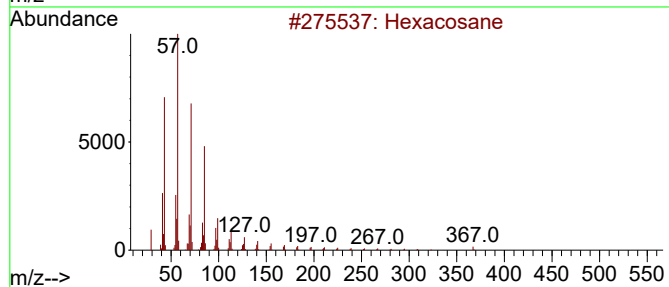
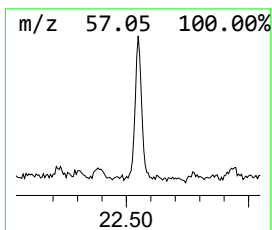
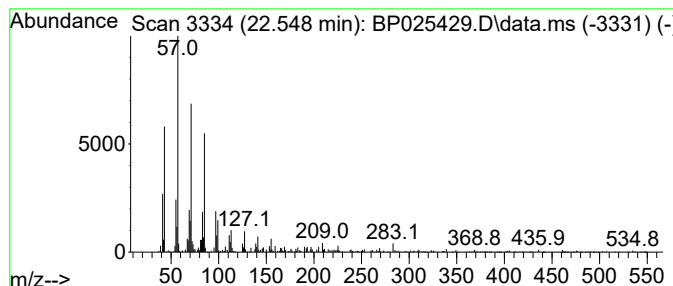
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.548	2.44 ng	258723	Chrysene-d12	21.624

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexacosane	366	C26H54	000630-01-3	90
2		Heptacosane	380	C27H56	000593-49-7	90
3		Octacosane	394	C28H58	000630-02-4	87
4		Tricosane	324	C23H48	000638-67-5	87
5		Tetratetracontane	619	C44H90	007098-22-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

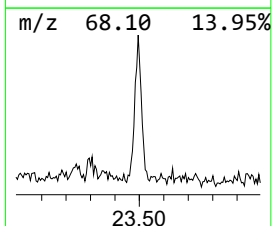
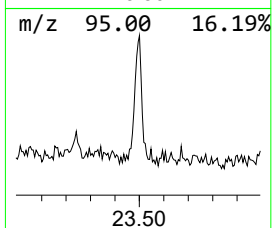
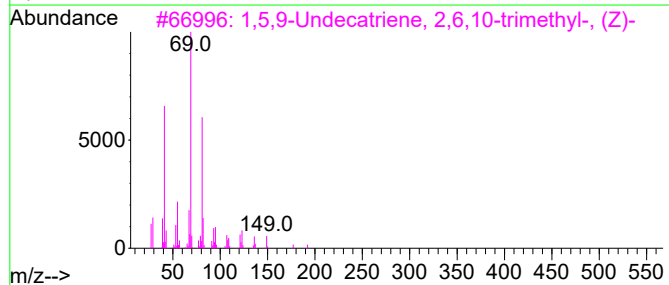
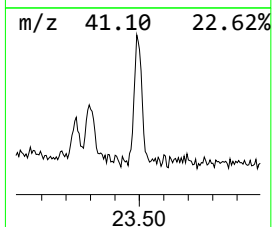
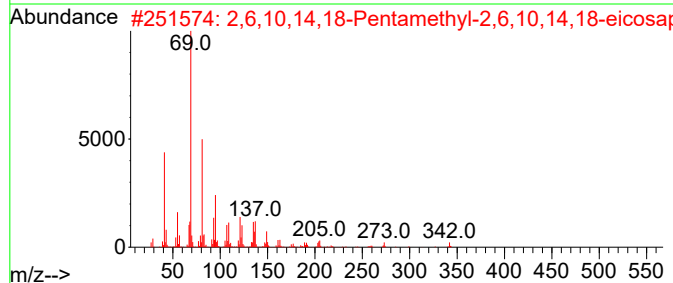
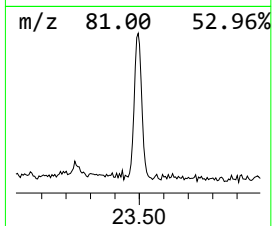
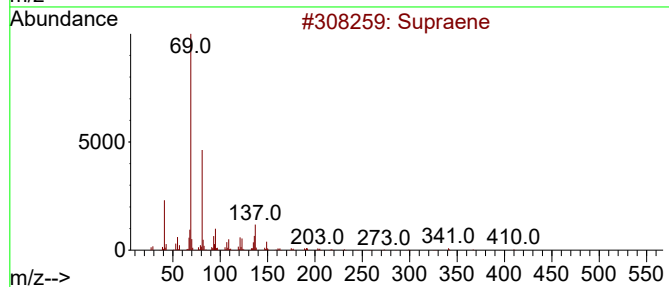
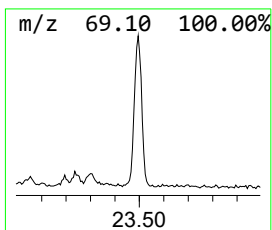
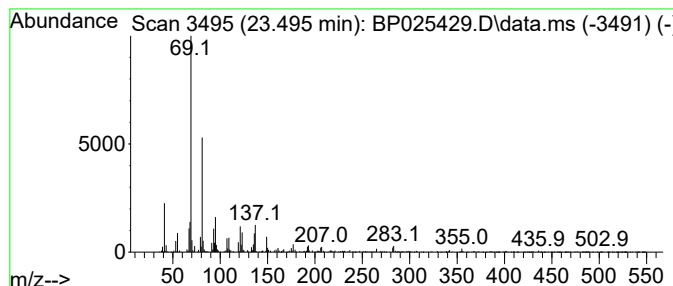
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Supraene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.495	2.37 ng	275869	Perylene-d12	24.983

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene		410	C30H50	007683-64-9	96
2	2,6,10,14,18-Pentamethyl-2,6,10,...		342	C25H42	075581-03-2	90
3	1,5,9-Undecatriene, 2,6,10-trime...		192	C14H24	062951-96-6	74
4	Squalene		410	C30H50	000111-02-4	72
5	2,6,10,14-Hexadecatetraenoic aci...		332	C22H36O2	024035-35-6	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025429.D
Acq On : 15 Aug 2025 16:12
Operator : CG/JU
Sample : Q2814-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	72.5	ng	2928630	1	7.784	807651	20.0
2-Pentanone, 4-...	4.943	5.8	ng	233412	1	7.784	807651	20.0
Benzophenone	15.772	7.0	ng	567152	3	14.395	1619660	20.0
1-(4-Pyridinyl)...	16.172	5.8	ng	572507	4	17.195	1979870	20.0
Phenol, 4-(1,1,...	16.266	8.1	ng	800525	4	17.195	1979870	20.0
unknown16.331	16.331	13.4	ng	1329710	4	17.195	1979870	20.0
4-(7-Methylocty...	16.389	8.8	ng	874696	4	17.195	1979870	20.0
unknown16.436	16.436	7.5	ng	747578	4	17.195	1979870	20.0
unknown16.483	16.483	5.6	ng	557665	4	17.195	1979870	20.0
Acetamide, N-(2...	16.542	4.9	ng	481657	4	17.195	1979870	20.0
5H-Pyrrolo(3,2-...	16.595	13.8	ng	1368210	4	17.195	1979870	20.0
4-(1,1-Dimethyl...	16.666	8.3	ng	827057	4	17.195	1979870	20.0
Acetamide, N-(3...	16.701	3.1	ng	309821	4	17.195	1979870	20.0
6-Amino-1-methy...	16.742	5.0	ng	496366	4	17.195	1979870	20.0
n-Hexadecanoic ...	18.142	10.4	ng	1034210	4	17.195	1979870	20.0
Dimantine	19.166	5.4	ng	538250	4	17.195	1979870	20.0
Octadecanoic acid	19.466	5.2	ng	545452	5	21.624	2117070	20.0
Ethanol, 2-(tet...	21.307	6.5	ng	685506	5	21.624	2117070	20.0
Hexacosane	22.548	2.4	ng	258723	5	21.624	2117070	20.0
Supraene	23.495	2.4	ng	275869	6	24.983	2332250	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025430.D	1	08/12/25 09:55	08/15/25 16:54	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.20	U	4.00	8.20	10.2	ug/L
108-95-2	Phenol	4.10	U	0.93	4.10	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.10	U	0.83	4.10	5.10	ug/L
95-57-8	2-Chlorophenol	4.10	U	0.59	4.10	5.10	ug/L
95-48-7	2-Methylphenol	4.10	U	1.10	4.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.10	U	1.30	4.10	5.10	ug/L
98-86-2	Acetophenone	4.10	U	0.76	4.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.20	U	1.10	8.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	1.40	2.60	2.60	ug/L
67-72-1	Hexachloroethane	4.10	U	0.66	4.10	5.10	ug/L
98-95-3	Nitrobenzene	4.10	U	0.78	4.10	5.10	ug/L
78-59-1	Isophorone	4.10	U	0.77	4.10	5.10	ug/L
88-75-5	2-Nitrophenol	4.10	U	1.80	4.10	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.10	U	1.90	4.10	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.10	U	0.69	4.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.10	U	0.53	4.10	5.10	ug/L
91-20-3	Naphthalene	4.10	U	0.51	4.10	5.10	ug/L
106-47-8	4-Chloroaniline	4.10	U	0.86	4.10	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.10	U	0.55	4.10	5.10	ug/L
105-60-2	Caprolactam	8.20	U	1.20	8.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	4.10	U	0.60	4.10	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.10	U	0.57	4.10	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.20	U	3.70	8.20	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	4.10	U	0.52	4.10	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.10	U	0.63	4.10	5.10	ug/L
92-52-4	1,1-Biphenyl	4.10	U	0.54	4.10	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.10	U	0.62	4.10	5.10	ug/L
88-74-4	2-Nitroaniline	4.10	U	1.30	4.10	5.10	ug/L
131-11-3	Dimethylphthalate	4.10	U	0.62	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025430.D	1	08/12/25 09:55	08/15/25 16:54	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.10	U	0.77	4.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.10	U	0.94	4.10	5.10	ug/L
99-09-2	3-Nitroaniline	4.10	U	1.10	4.10	5.10	ug/L
83-32-9	Acenaphthene	4.10	U	0.56	4.10	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.20	U	6.10	8.20	10.2	ug/L
100-02-7	4-Nitrophenol	8.20	U	2.40	8.20	10.2	ug/L
132-64-9	Dibenzofuran	4.10	U	0.62	4.10	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.10	U	1.20	4.10	5.10	ug/L
84-66-2	Diethylphthalate	4.10	U	0.70	4.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.10	U	0.69	4.10	5.10	ug/L
86-73-7	Fluorene	4.10	U	0.64	4.10	5.10	ug/L
100-01-6	4-Nitroaniline	4.10	U	1.50	4.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.20	U	2.90	8.20	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	4.10	U	0.59	4.10	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	U	0.41	4.10	5.10	ug/L
118-74-1	Hexachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
1912-24-9	Atrazine	4.10	U	1.00	4.10	5.10	ug/L
87-86-5	Pentachlorophenol	8.20	U	1.60	8.20	10.2	ug/L
85-01-8	Phenanthrene	4.10	U	0.51	4.10	5.10	ug/L
120-12-7	Anthracene	4.10	U	0.62	4.10	5.10	ug/L
86-74-8	Carbazole	4.10	U	0.73	4.10	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.10	U	1.20	4.10	5.10	ug/L
206-44-0	Fluoranthene	4.10	U	0.84	4.10	5.10	ug/L
129-00-0	Pyrene	4.10	U	0.51	4.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.10	U	2.00	4.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.20	U	0.95	8.20	10.2	ug/L
56-55-3	Benzo(a)anthracene	4.10	U	0.46	4.10	5.10	ug/L
218-01-9	Chrysene	4.10	U	0.45	4.10	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.10	U	1.60	4.10	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.20	U	2.40	8.20	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	4.10	U	0.50	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025430.D	1	08/12/25 09:55	08/15/25 16:54	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.10	U	0.49	4.10	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.10	U	0.56	4.10	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.10	U	0.60	4.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.10	U	0.68	4.10	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.10	U	0.70	4.10	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
123-91-1	1,4-Dioxane	4.10	UQ	1.00	4.10	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.10	U	0.73	4.10	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	52.9		19 - 119	35%	SPK: 150
13127-88-3	Phenol-d6	44.2		10 - 130	29%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.5		44 - 120	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.6	*	44 - 119	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.5		43 - 140	49%	SPK: 150
1718-51-0	Terphenyl-d14	44.6	*	50 - 134	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	145000	7.79
1146-65-2	Naphthalene-d8	586000	10.554
15067-26-2	Acenaphthene-d10	407000	14.407
1517-22-2	Phenanthrene-d10	854000	17.195
1719-03-5	Chrysene-d12	897000	21.642
1520-96-3	Perylene-d12	1020000	25.007

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	82.5	JB	3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.00	AB	4.95	ug/L
	unknown10.049	3.20	J	10.0	ug/L
000119-61-9	Benzophenone	15.6	J	15.8	ug/L
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	2.50	J	16.4	ug/L
000057-10-3	n-Hexadecanoic acid	14.4	J	18.1	ug/L
032624-67-2	10,18-Bisnorabieta-8,11,13-triene	2.40	J	19.0	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025430.D	1	08/12/25 09:55	08/15/25 16:54	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	2.10	J			19.3	ug/L
002027-47-6	9-Octadecenoic acid	2.20	J			19.3	ug/L
000057-11-4	Octadecanoic acid	5.10	J			19.5	ug/L
000112-95-8	Eicosane	2.20	J			20.8	ug/L
001599-67-3	1-Docosene	12.6	J			21.3	ug/L
000646-31-1	Tetracosane	3.50	J			21.9	ug/L
000629-94-7	Heneicosane	4.40	J			22.6	ug/L
000629-92-5	Nonadecane	2.70	J			23.3	ug/L
000111-02-4	Squalene	3.80	J			23.5	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

Quant Time: Aug 15 17:54:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	144702	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	586287	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	406797	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	853552	20.000	ng	0.00
76) Chrysene-d12	21.642	240	897128	20.000	ng	0.00
86) Perylene-d12	25.007	264	1017128	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	460499	52.850	ng	0.00
7) Phenol-d6	6.961	99	494034	44.224	ng	0.00
23) Nitrobenzene-d5	8.925	82	538759	46.485	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	402245	73.462	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1266889	42.563	ng	0.00
79) Terphenyl-d14	19.919	244	2187373	44.609	ng	0.00

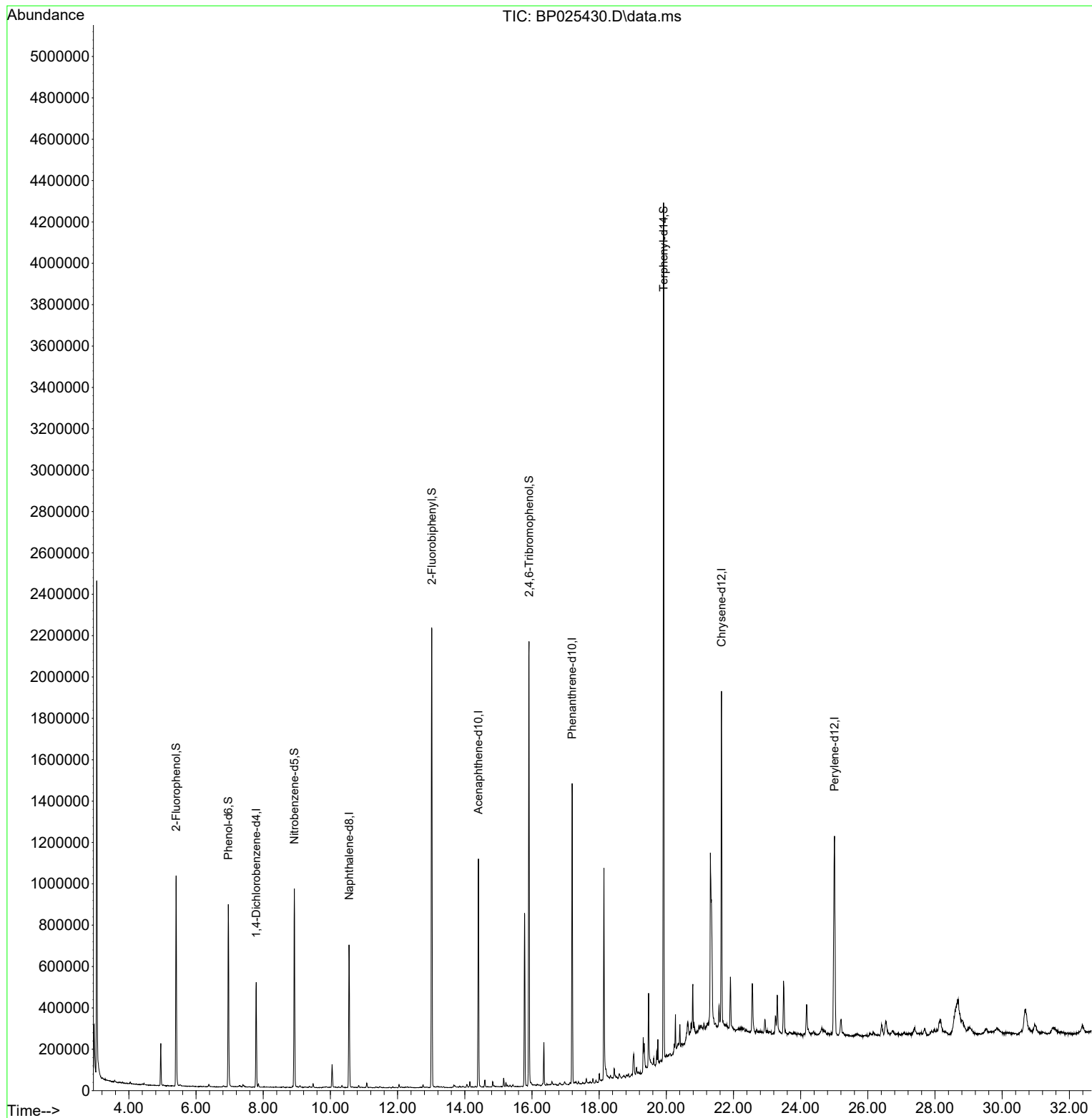
Target Compounds	Qvalue

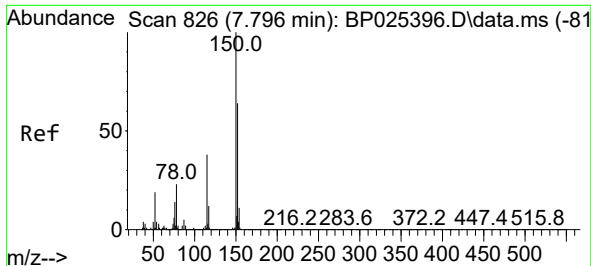
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

Quant Time: Aug 15 17:54:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

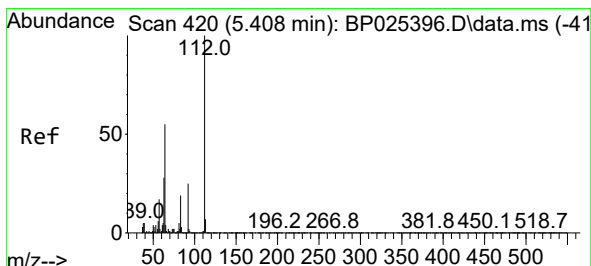
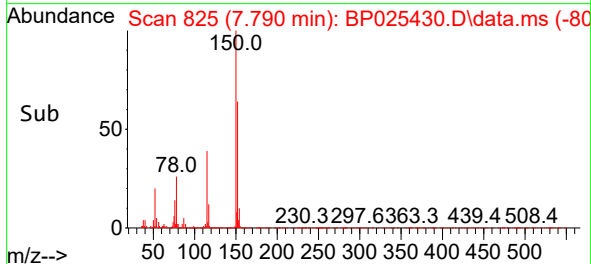
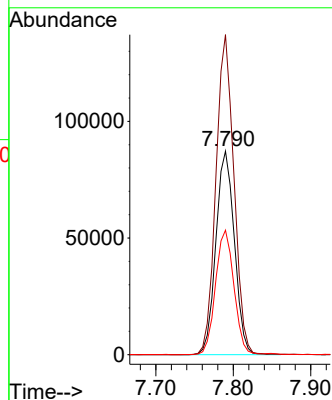
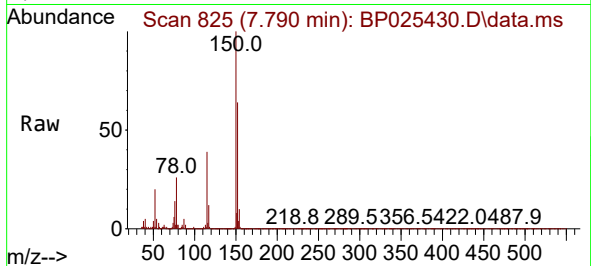




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025430.D
 Acq: 15 Aug 2025 16:54

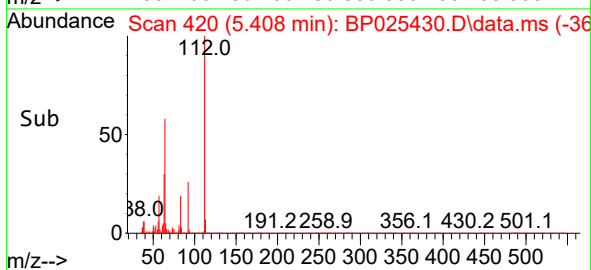
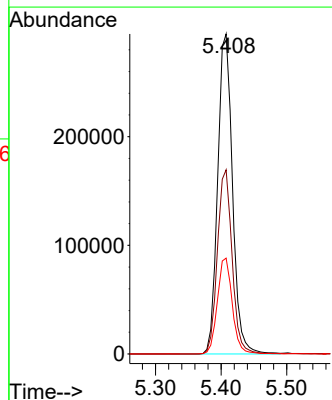
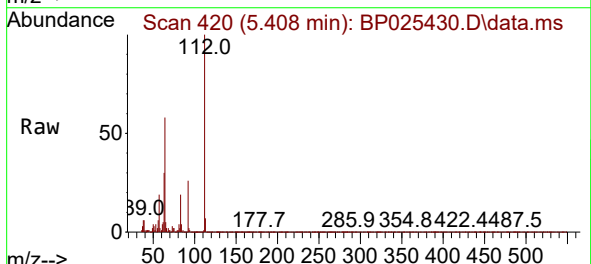
Instrument :
 BNA_P
 ClientSampleId :
 TW-518R-N

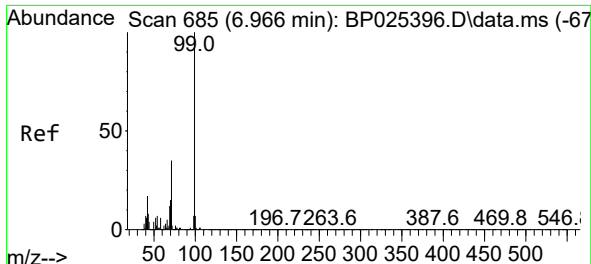
Tgt Ion:152 Resp: 144702
 Ion Ratio Lower Upper
 152 100
 150 157.2 125.9 188.9
 115 61.1 48.5 72.7



#5
 2-Fluorophenol
 Concen: 52.850 ng
 RT: 5.408 min Scan# 420
 Delta R.T. 0.000 min
 Lab File: BP025430.D
 Acq: 15 Aug 2025 16:54

Tgt Ion:112 Resp: 460499
 Ion Ratio Lower Upper
 112 100
 64 57.6 43.8 65.8
 63 29.9 22.7 34.1

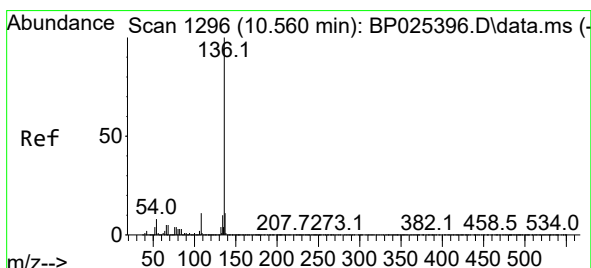
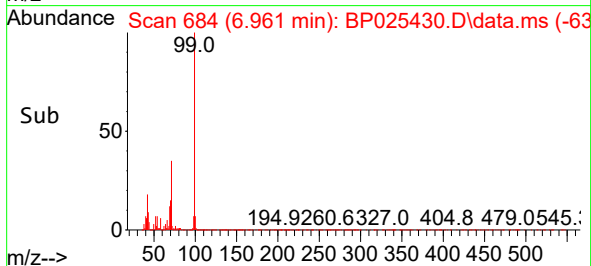
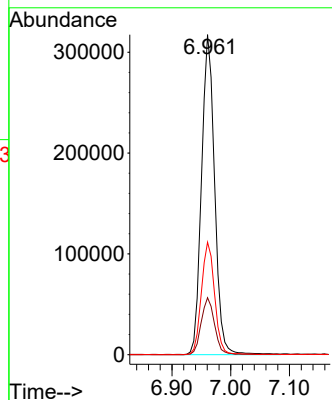
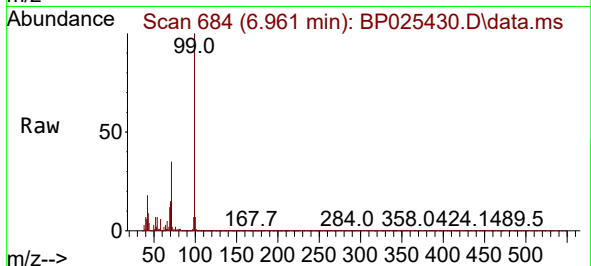




#7
Phenol-d6
Concen: 44.224 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

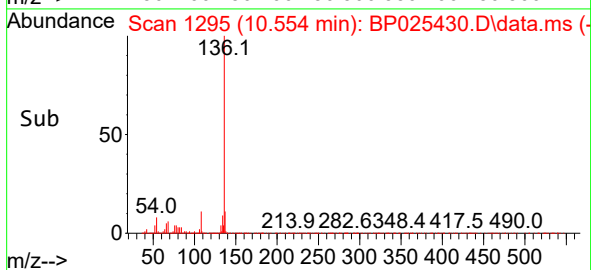
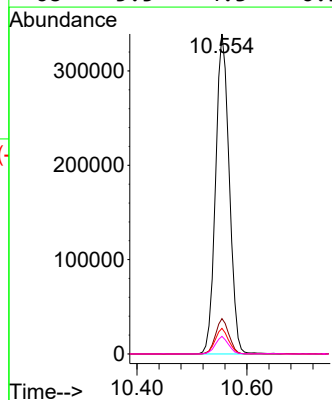
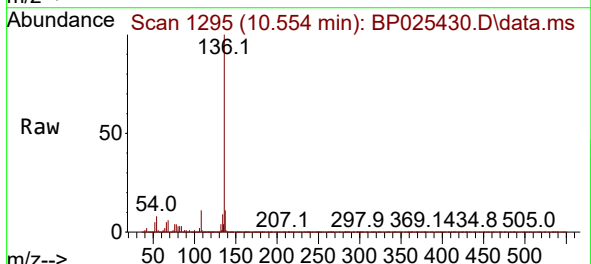
Instrument :
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ClientSampleId :
TW-518R-N

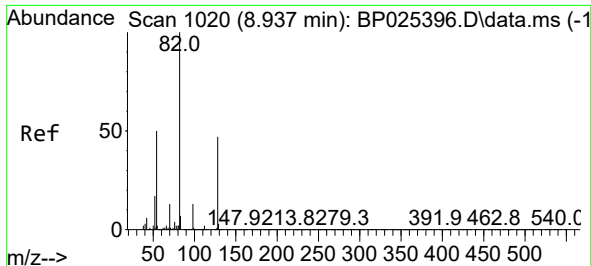
Tgt Ion: 99 Resp: 494034
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 35.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

Tgt Ion: 136 Resp: 586287
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.0 6.0 9.0
68 5.5 4.3 6.5

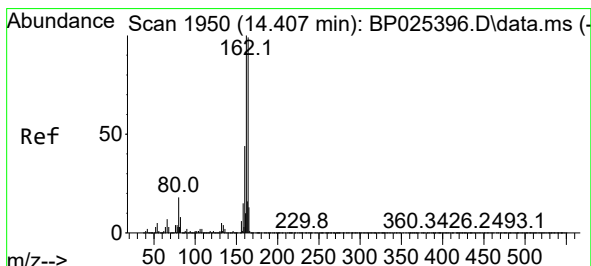
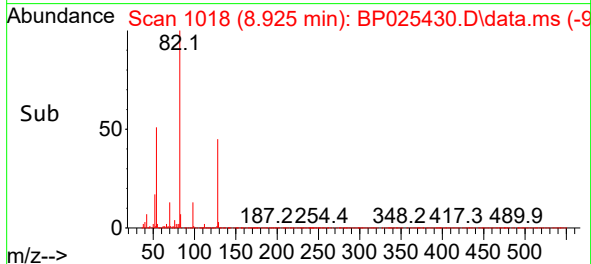
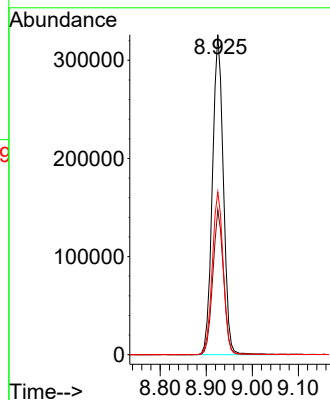
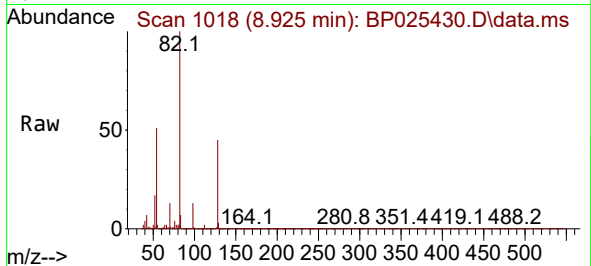




#23
Nitrobenzene-d5
Concen: 46.485 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

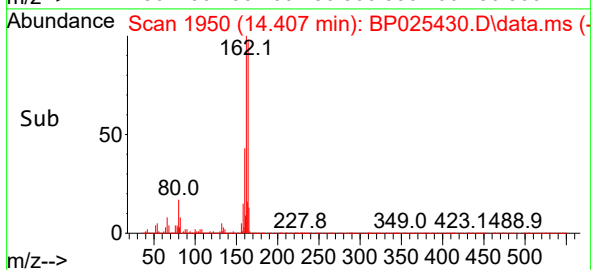
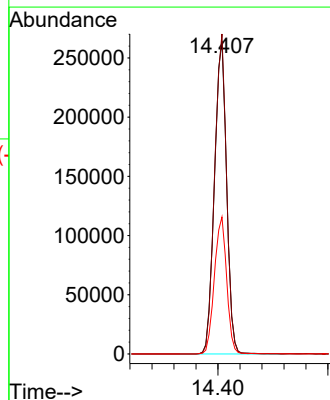
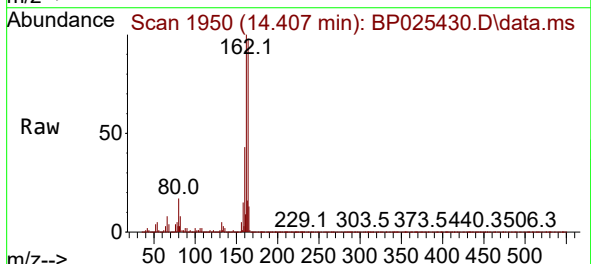
Instrument :
BNA_P
ClientSampleId :
TW-518R-N

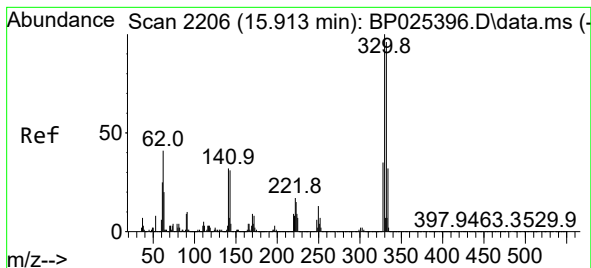
Tgt Ion: 82 Resp: 538759
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 50.9 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

Tgt Ion: 164 Resp: 406797
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 43.8 35.4 53.2

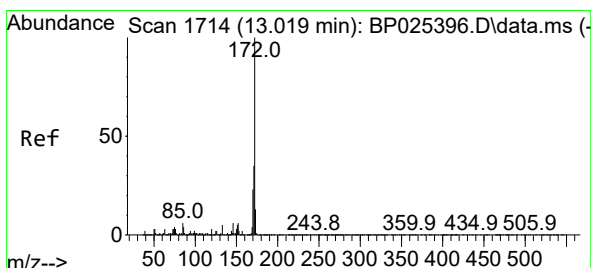
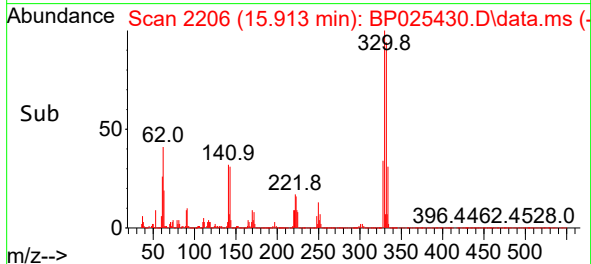
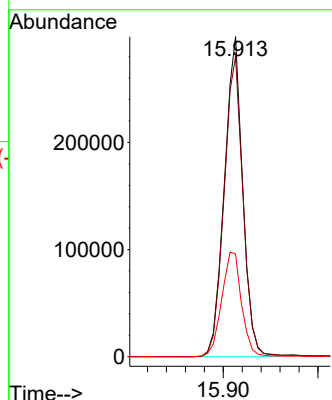
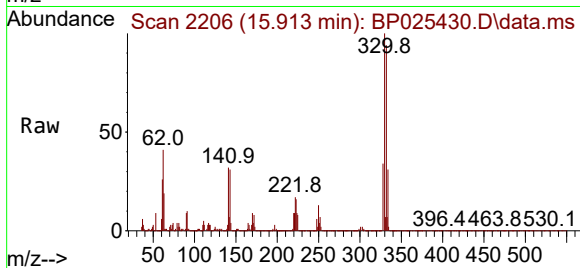




#42
2,4,6-Tribromophenol
Concen: 73.462 ng
RT: 15.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

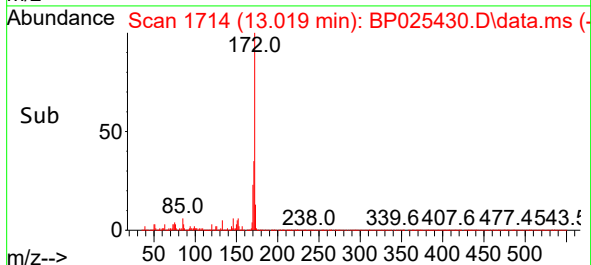
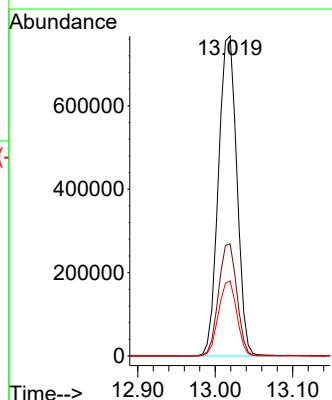
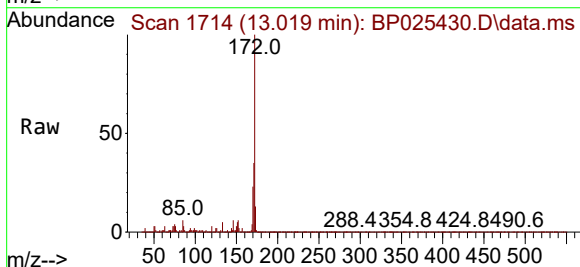
Instrument :
BNA_P
ClientSampleId :
TW-518R-N

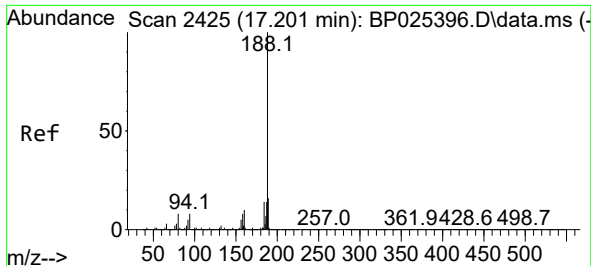
Tgt Ion:330 Resp: 402245
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 35.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 42.563 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

Tgt Ion:172 Resp: 1266889
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.4 18.6 28.0

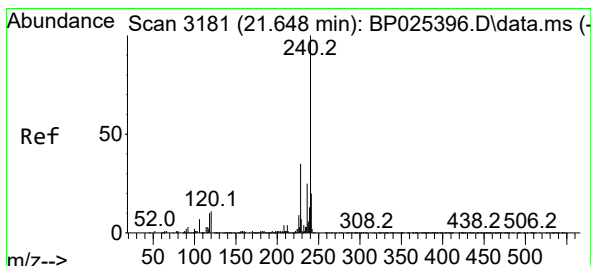
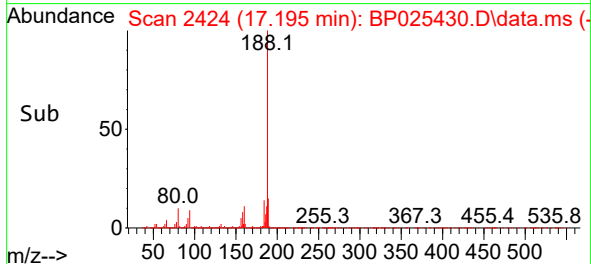
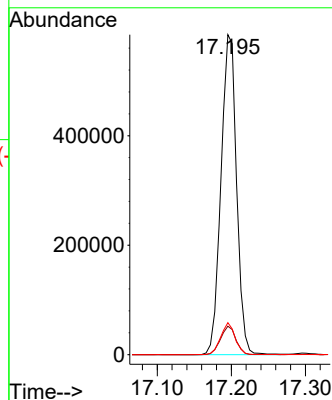
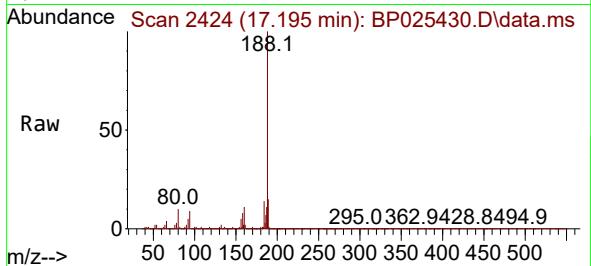




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

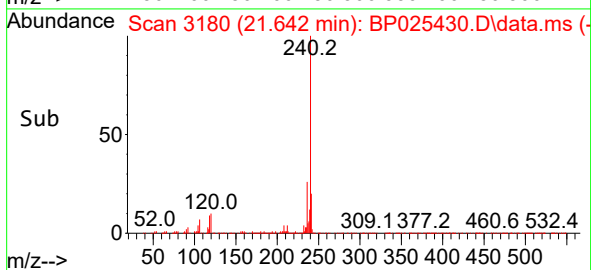
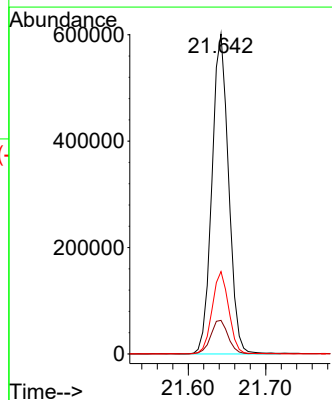
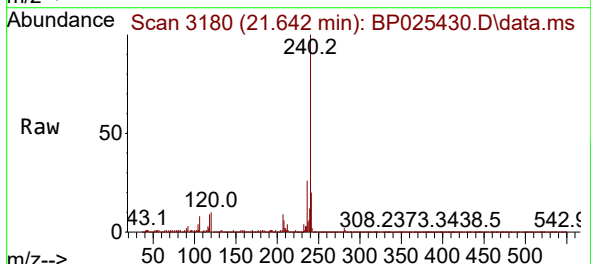
Instrument :
BNA_P
ClientSampleId :
TW-518R-N

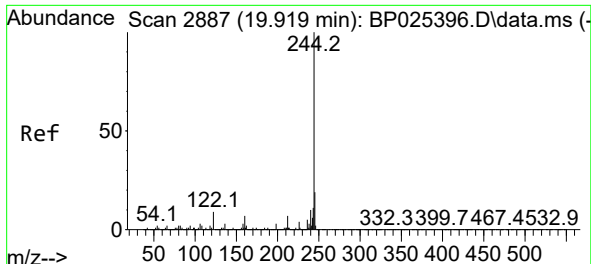
Tgt Ion:188 Resp: 853552
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 10.0 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025430.D
Acq: 15 Aug 2025 16:54

Tgt Ion:240 Resp: 897128
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.8 19.8 29.8

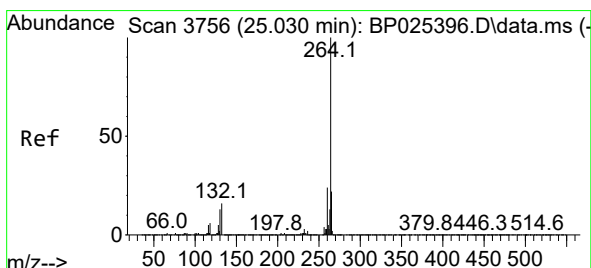
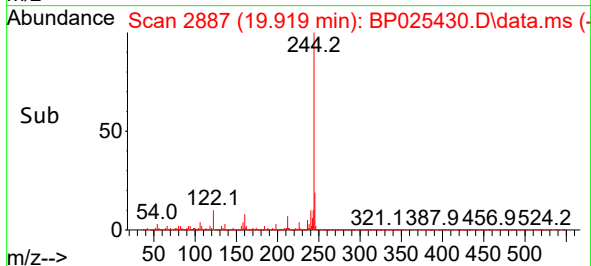
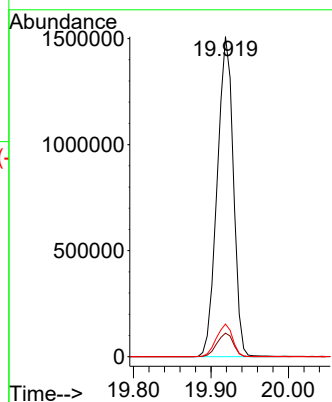
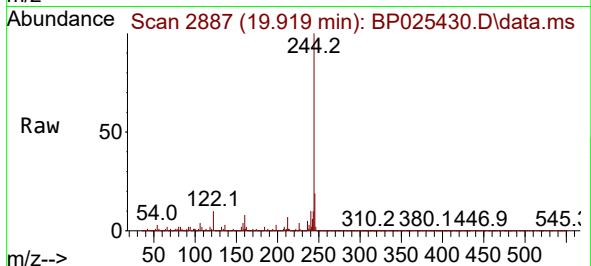




#79
 Terphenyl-d14
 Concen: 44.609 ng
 RT: 19.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025430.D
 Acq: 15 Aug 2025 16:54

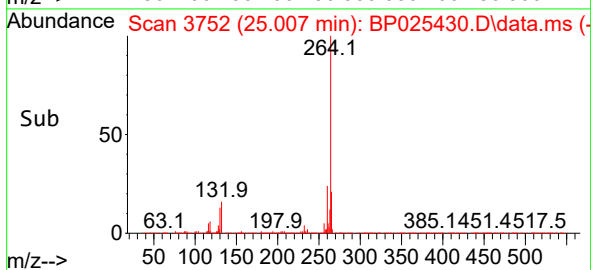
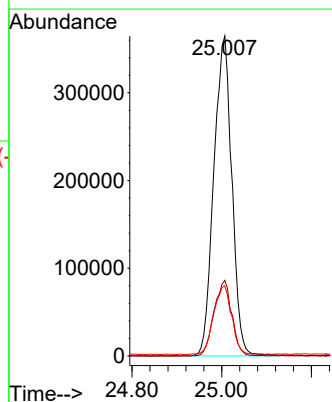
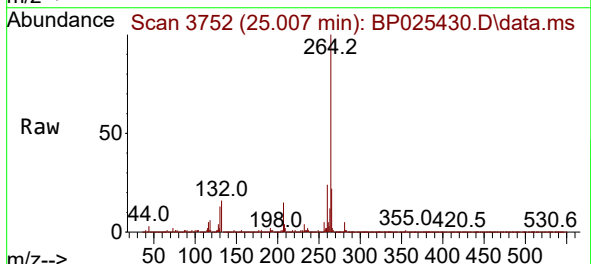
Instrument :
 BNA_P
 ClientSampleId :
 TW-518R-N

Tgt Ion:244 Resp: 2187373
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 10.2 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.007 min Scan# 3752
 Delta R.T. -0.023 min
 Lab File: BP025430.D
 Acq: 15 Aug 2025 16:54

Tgt Ion:264 Resp: 1017128
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.3 28.9
 265 21.9 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025430.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	230671	332186	5.52%	0.806%
2	3.043	13	18	42	rVB	2406086	3380259	56.22%	8.200%
3	4.949	336	342	352	rVB	203890	285812	4.75%	0.693%
4	5.408	413	420	432	rBV	1016629	1589180	26.43%	3.855%
5	6.961	677	684	700	rBV	882308	1417517	23.58%	3.439%
6	7.790	817	825	832	rBV	507736	836078	13.91%	2.028%
7	8.925	1011	1018	1027	rBV	957686	1570192	26.11%	3.809%
8	10.049	1202	1209	1217	rBV	111917	187250	3.11%	0.454%
9	10.554	1288	1295	1304	rBV	690232	1191930	19.82%	2.892%
10	13.013	1704	1713	1722	rBV	2224562	3704403	61.61%	8.987%
11	14.407	1943	1950	1963	rVB	1102846	1722722	28.65%	4.179%
12	15.778	2176	2183	2192	rBV	837744	1313961	21.85%	3.188%
13	15.913	2198	2206	2214	rBV	2149351	3140560	52.23%	7.619%
14	16.354	2276	2281	2288	rVB	205785	260021	4.32%	0.631%
15	17.195	2418	2424	2434	rBV	1450180	2099719	34.92%	5.094%
16	18.007	2557	2562	2568	rBV3	41169	73089	1.22%	0.177%
17	18.142	2579	2585	2594	rBV	1025572	1477208	24.57%	3.584%
18	18.448	2633	2637	2642	rBV3	44513	70072	1.17%	0.170%
19	19.031	2729	2736	2745	rBV3	101022	244025	4.06%	0.592%
20	19.313	2780	2784	2786	rBV	167484	212104	3.53%	0.515%
21	19.342	2786	2789	2798	rVB3	123196	222611	3.70%	0.540%
22	19.472	2806	2811	2822	rBV	356306	586660	9.76%	1.423%
23	19.713	2849	2852	2855	rBV	58960	72757	1.21%	0.177%
24	19.748	2855	2858	2863	rVB	114027	136952	2.28%	0.332%
25	19.919	2880	2887	2893	rBV	4147891	6012612	100.00%	14.586%
26	20.272	2944	2947	2951	rVB	164465	163736	2.72%	0.397%
27	20.401	2966	2969	2975	rVB4	108335	141673	2.36%	0.344%
28	20.789	3031	3035	3038	rVB	211917	259894	4.32%	0.630%
29	21.313	3120	3124	3128	rBV2	774991	1458714	24.26%	3.539%
30	21.572	3164	3168	3172	rBV	91942	139039	2.31%	0.337%
31	21.642	3174	3180	3186	rVB	1598352	2369480	39.41%	5.748%
32	21.907	3221	3225	3236	rVB	247127	410804	6.83%	0.997%
33	22.560	3331	3336	3348	rVB2	231798	506286	8.42%	1.228%
34	23.301	3459	3462	3472	rVB	176298	317640	5.28%	0.771%
35	23.489	3490	3494	3502	rVB	245576	488049	8.12%	1.184%
36	24.177	3607	3611	3617	rVB2	122311	222391	3.70%	0.540%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37 25.007 3743 3752 3762 rVB 954856 2603766 43.31% 6.317%

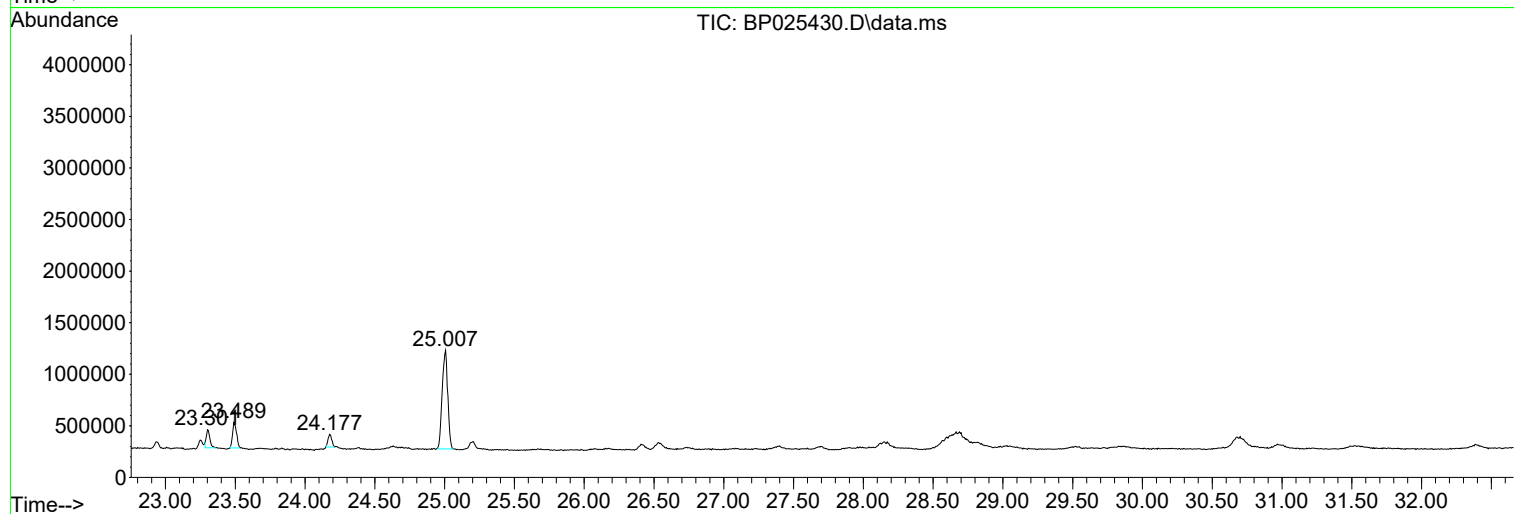
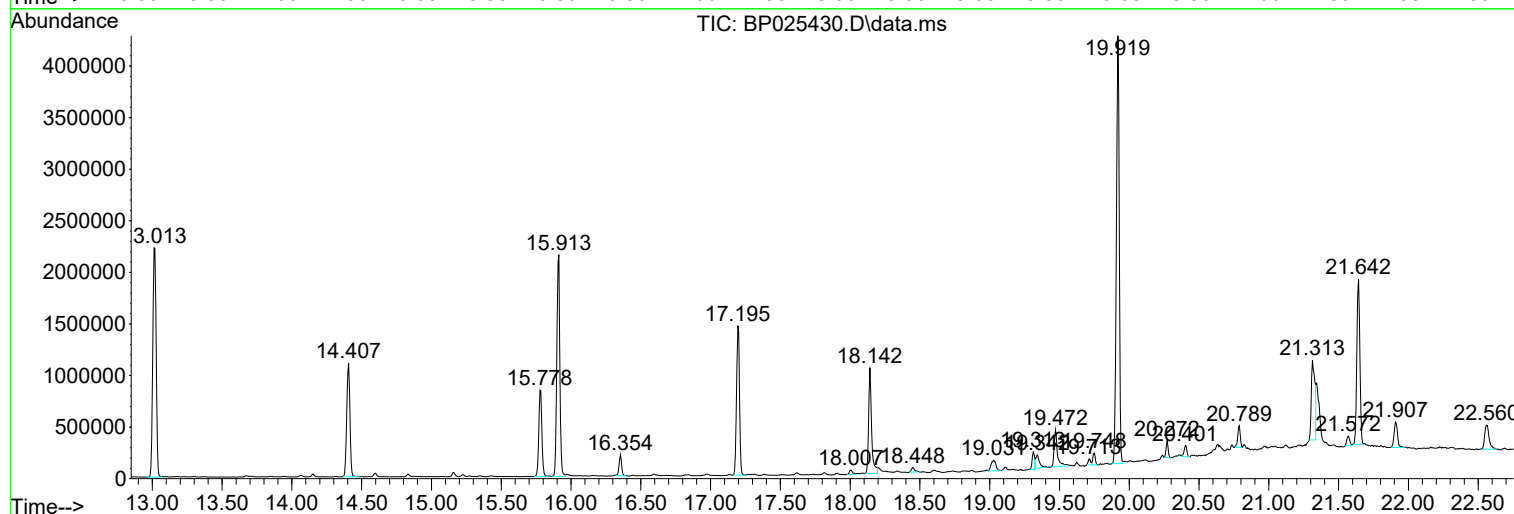
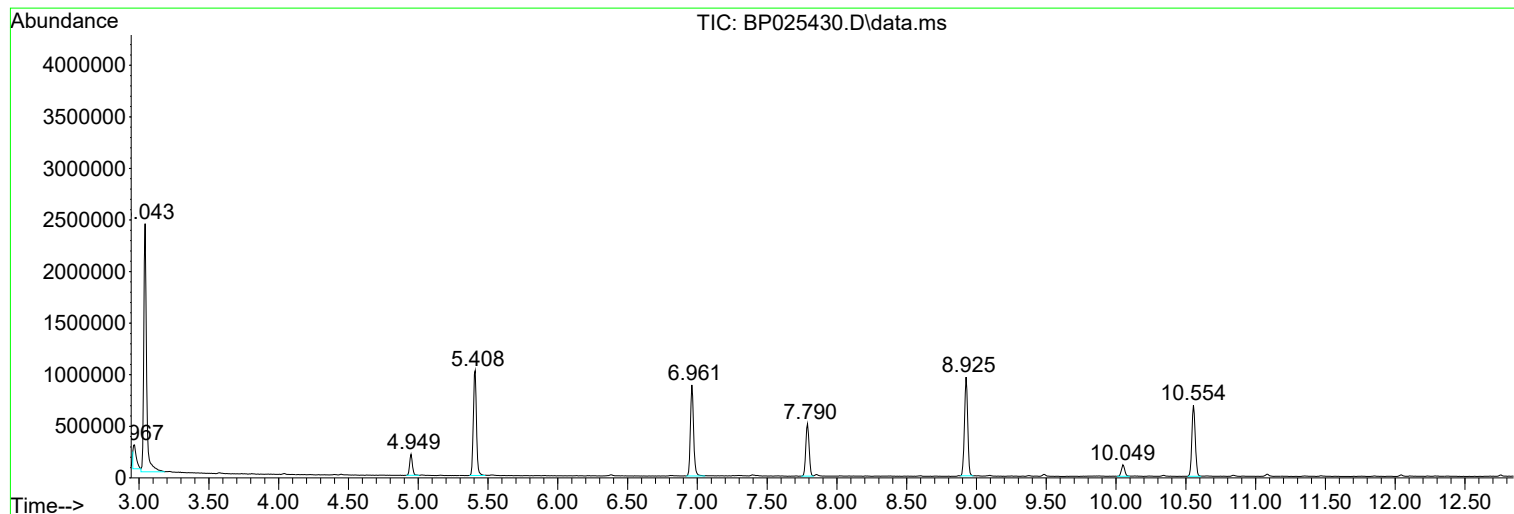
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

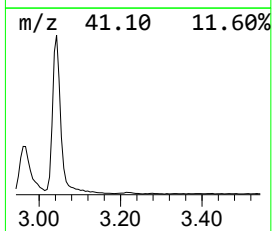
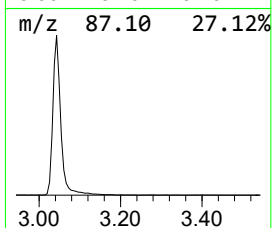
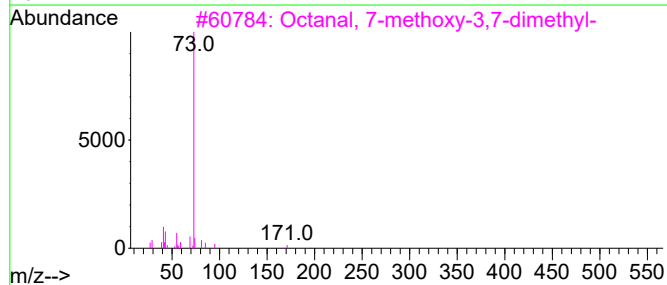
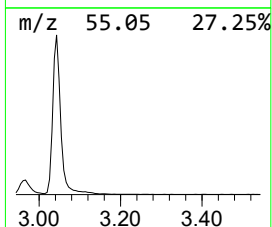
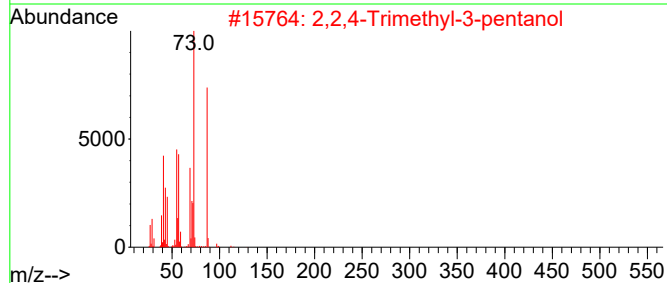
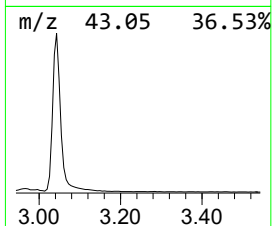
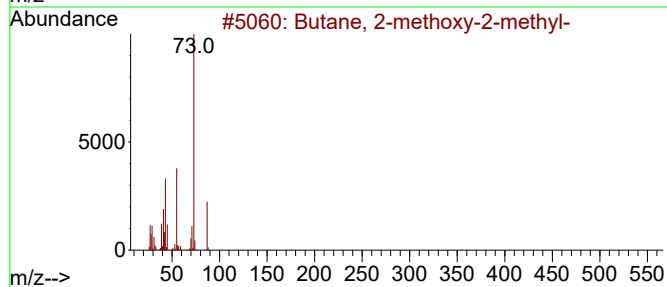
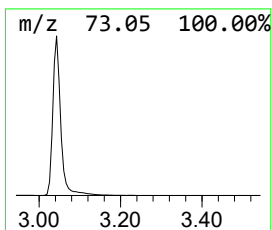
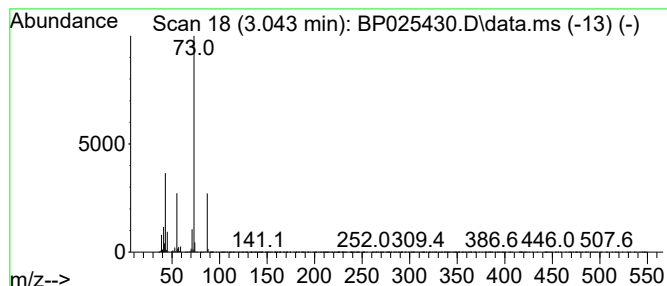
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	80.86 ng	3380260	1,4-Dichlorobenzene-d4	7.790

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

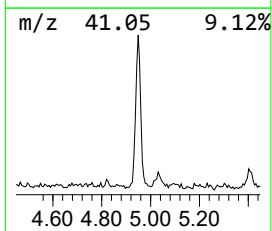
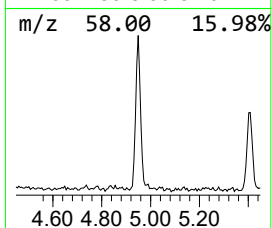
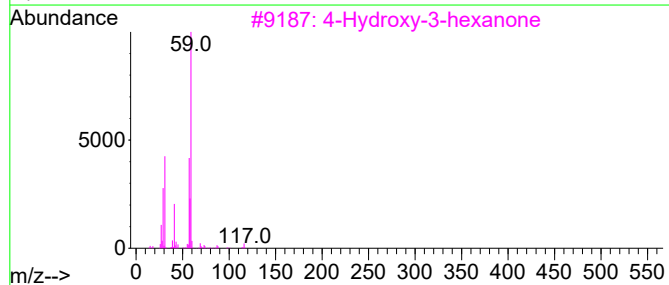
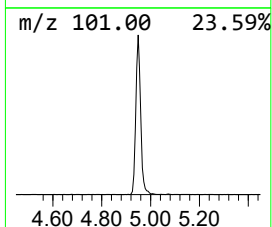
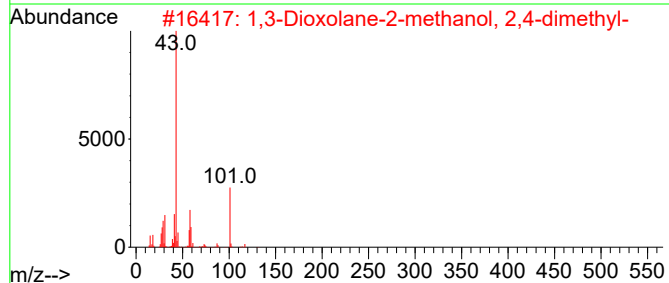
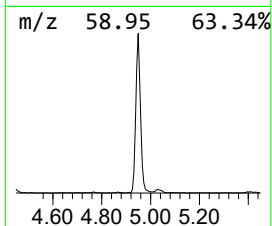
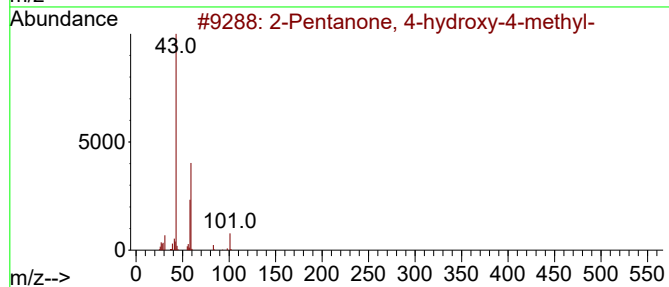
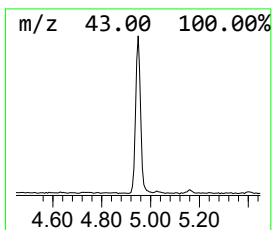
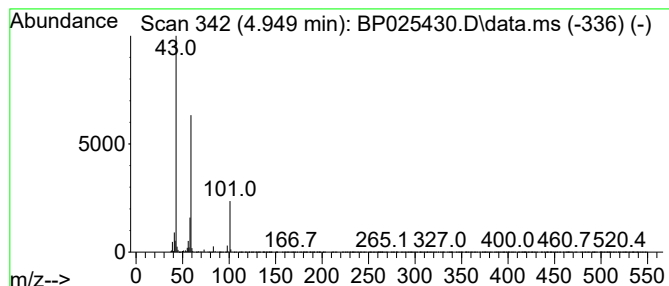
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.949	6.84 ng	285812	1,4-Dichlorobenzene-d4			7.790

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	56
2	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3		053951-43-2	28
3	4-Hydroxy-3-hexanone	116	C6H12O2		004984-85-4	23
4	2,3-Butanedione, monooxime	101	C4H7NO2		000057-71-6	17
5	Morpholine, 4-methyl-	101	C5H11NO		000109-02-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

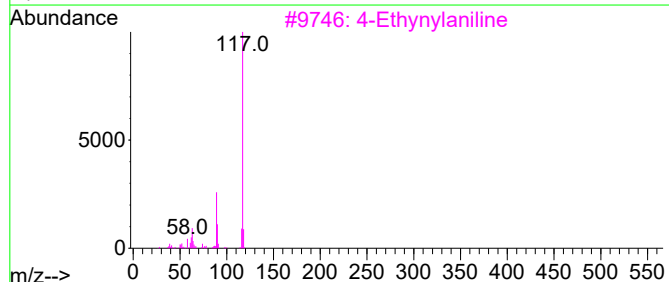
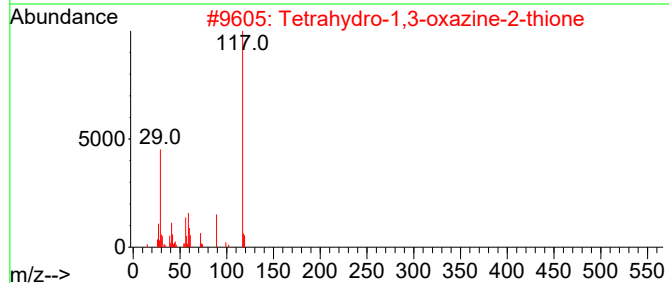
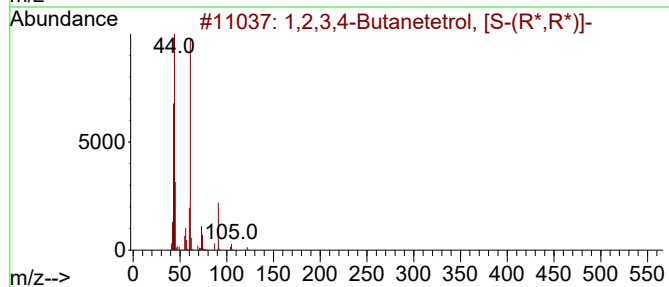
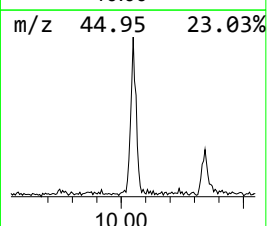
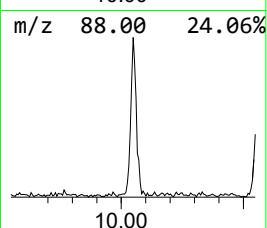
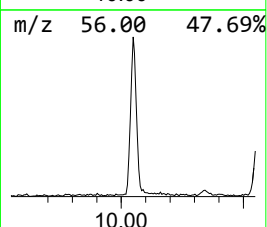
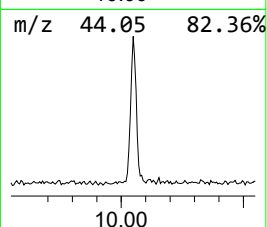
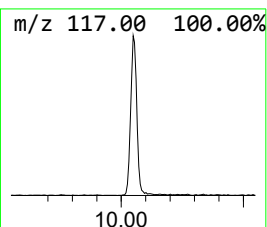
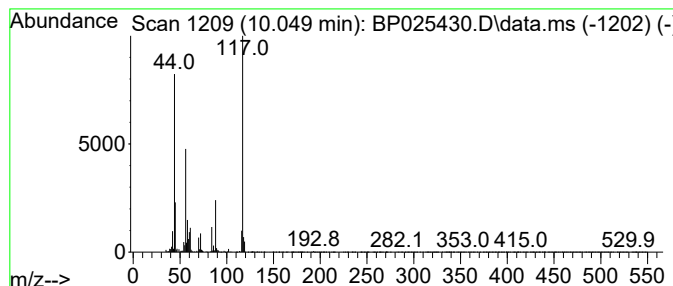
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown10.049 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.049	3.14 ng	187250	Naphthalene-d8	10.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,3,4-Butanetetrol, [S-(R*,R*)]-	122	C4H10O4	002319-57-5	27
2			Tetrahydro-1,3-oxazine-2-thione	117	C4H7NOS	017374-18-4	22
3			4-Ethynylaniline	117	C8H7N	014235-81-5	18
4			Indole	117	C8H7N	000120-72-9	14
5			1,1,1-Trichloro-2-hydroxy-2-[2-a...	265	C6H10Cl3NO2S	021946-69-0	13



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

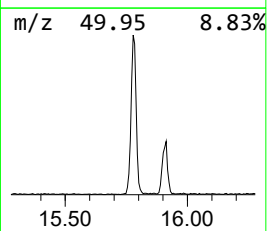
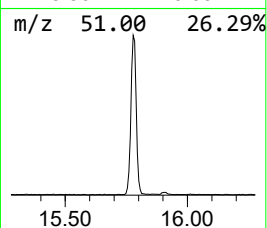
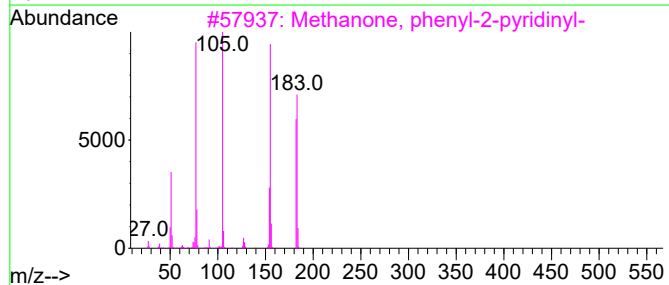
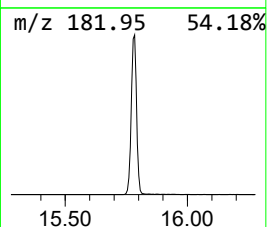
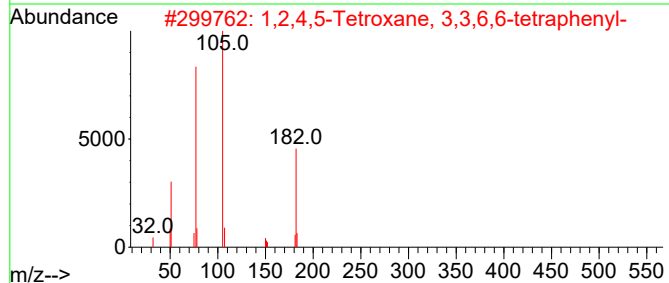
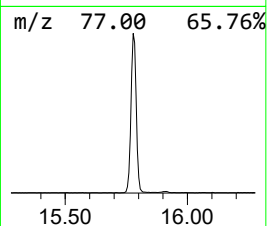
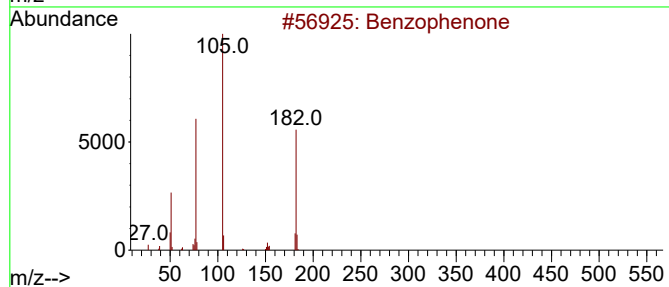
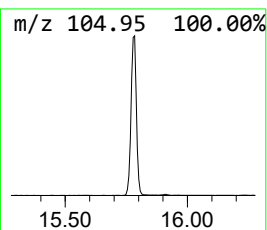
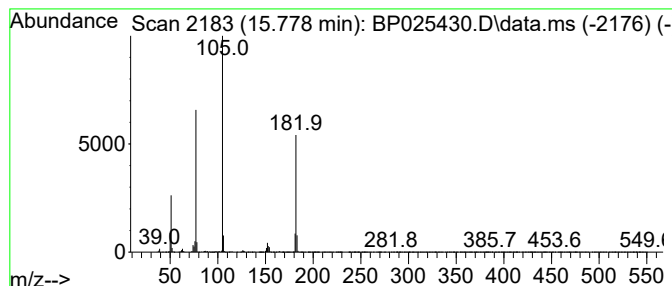
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	15.25 ng	1313960	Acenaphthene-d10	14.407

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4			Azobenzene	182	C12H10N2	000103-33-3	45
5			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

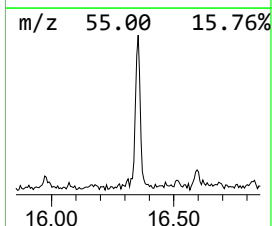
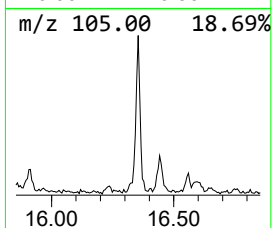
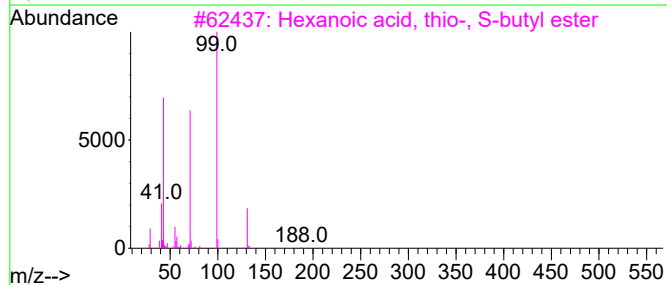
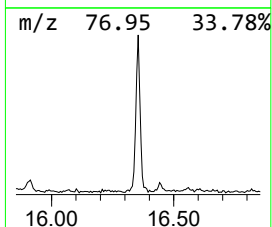
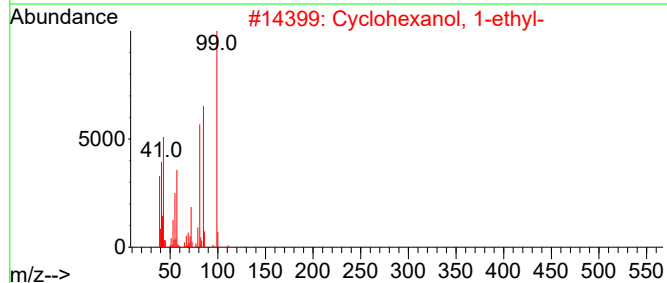
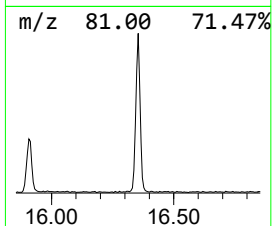
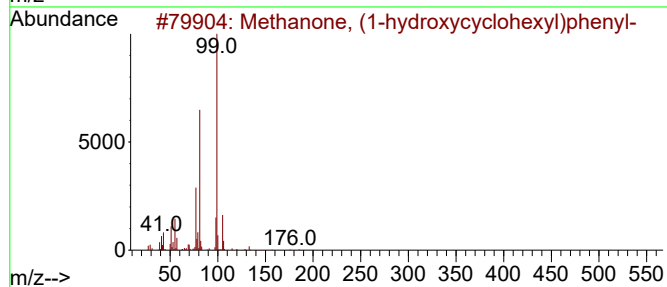
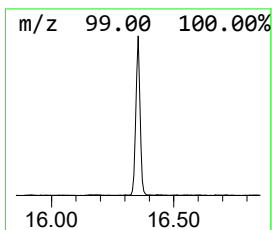
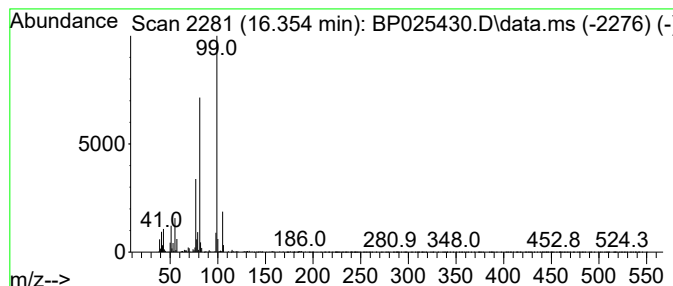
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Methanone, (1-hydroxycyclohexyl) Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.354	2.48 ng	260021	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	87
2			Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	50
3			Hexanoic acid, thio-, S-butyl ester	188	C10H20OS	002432-79-3	43
4			3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	43
5			1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	36



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

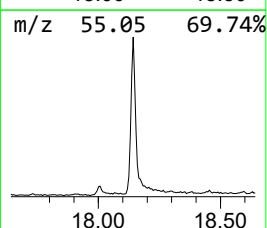
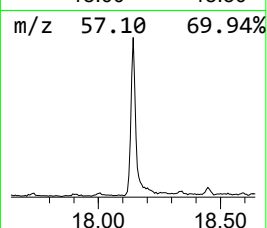
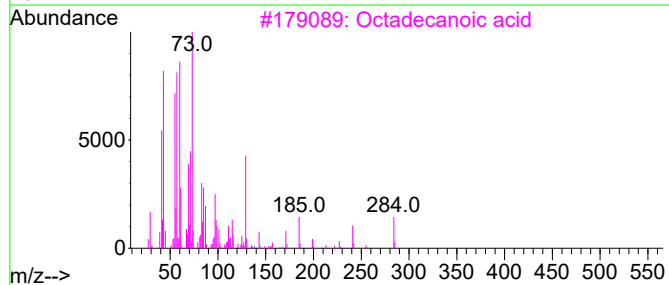
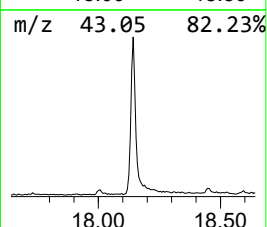
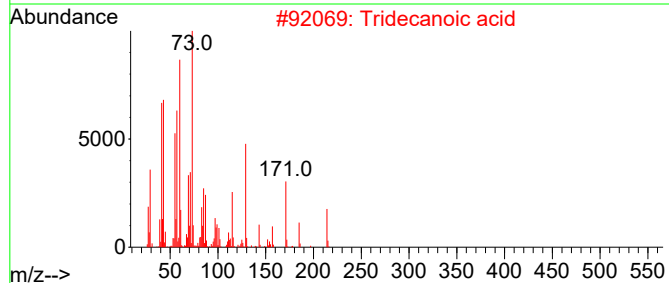
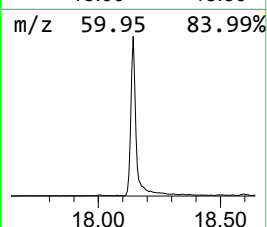
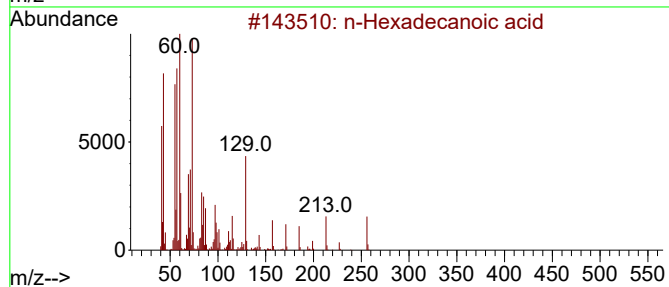
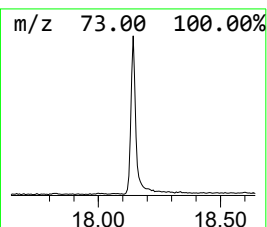
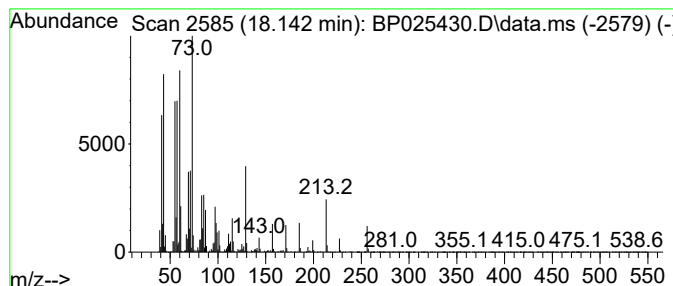
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	14.07 ng	1477210	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	95
3			Octadecanoic acid	284	C18H36O2	000057-11-4	93
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
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Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

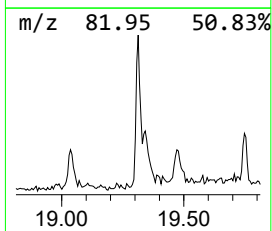
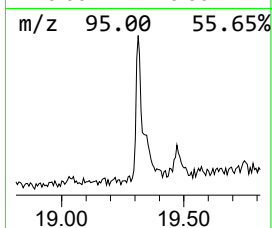
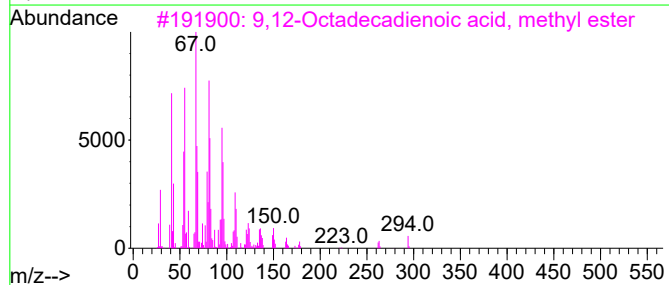
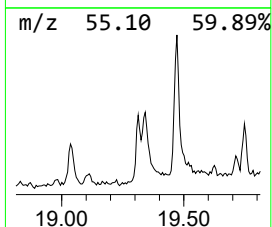
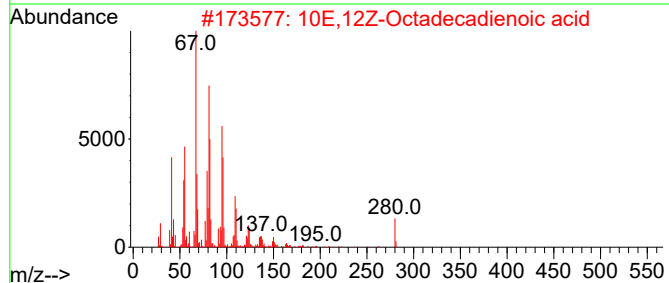
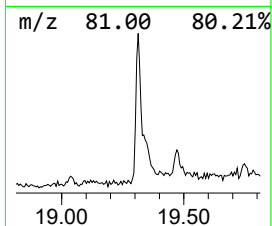
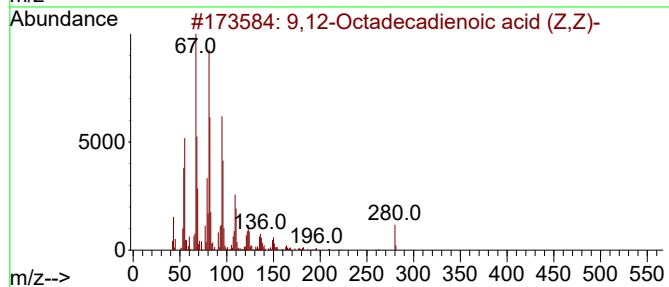
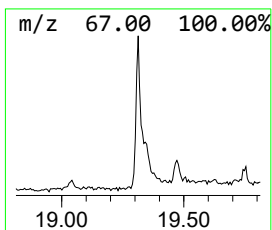
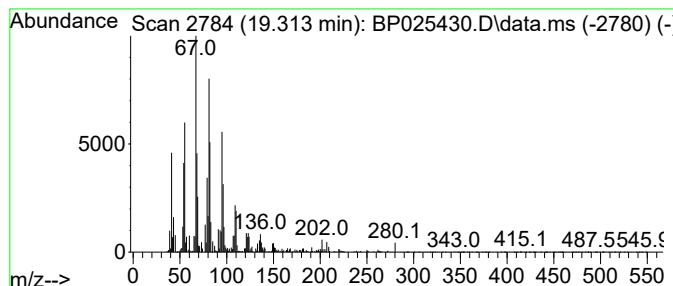
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,12-Octadecadienoic acid (... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.313	2.02 ng	212104	Phenanthrene-d10	17.195	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	99
2	10E,12Z-Octadecadienoic acid	280	C18H32O2	002420-56-6	95
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	94
4	(9E,11E)-Octadecadienoic acid	280	C18H32O2	000544-71-8	93
5	Linoelaidic acid	280	C18H32O2	000506-21-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

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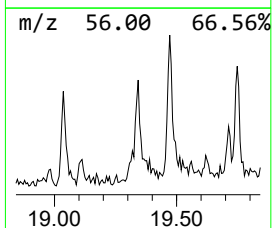
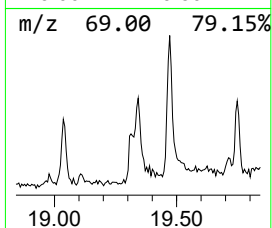
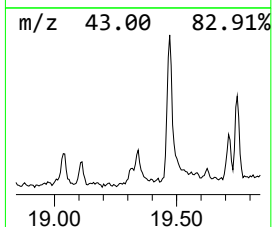
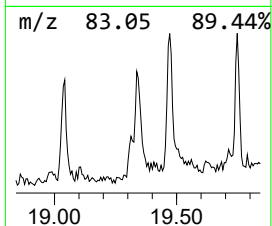
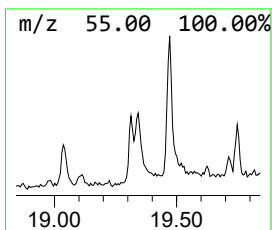
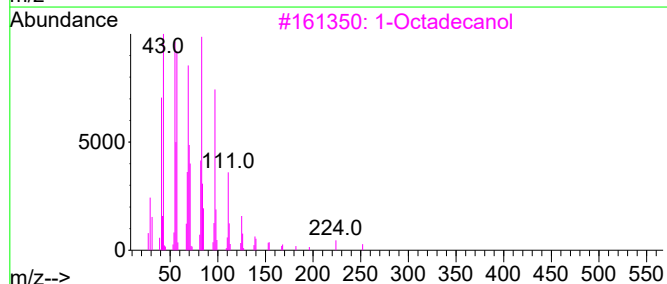
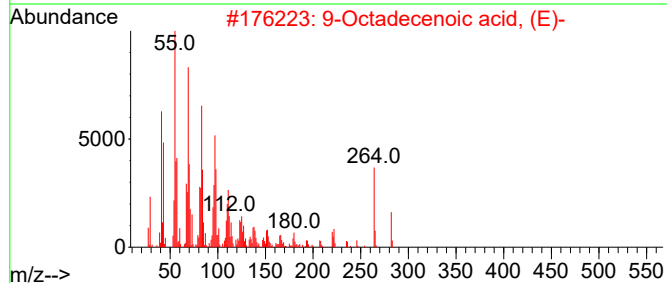
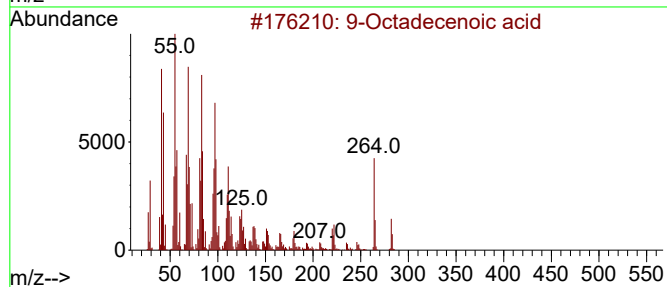
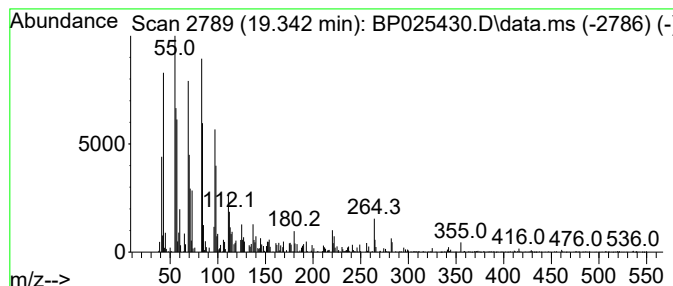
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9-Octadecenoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.342	2.12 ng	222611	Phenanthrene-d10	17.195

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Octadecenoic acid	282	C18H34O2	002027-47-6	93
2		9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	89
3		1-Octadecanol	270	C18H38O	000112-92-5	68
4		Cyclohexadecane	224	C16H32	000295-65-8	68
5		Cyclotetradecane	196	C14H28	000295-17-0	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

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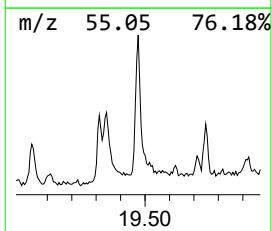
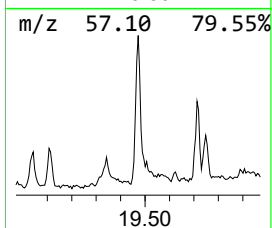
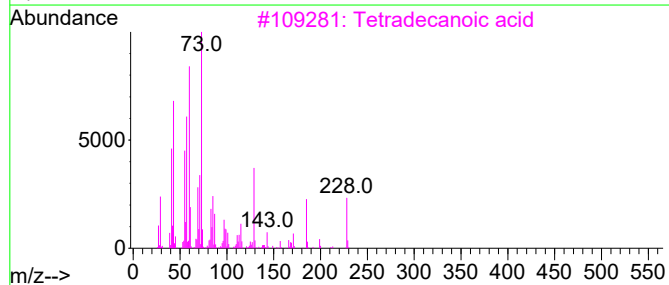
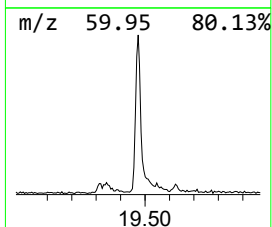
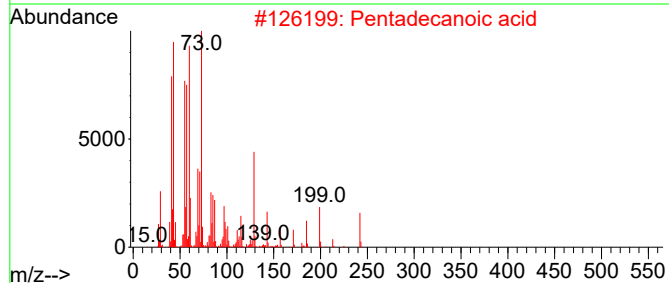
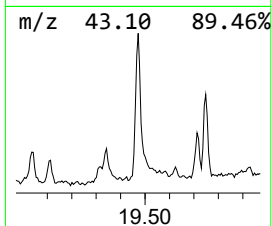
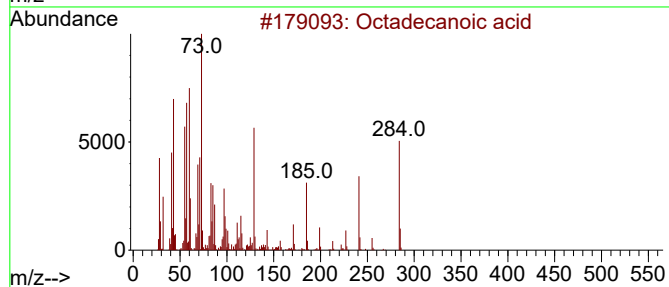
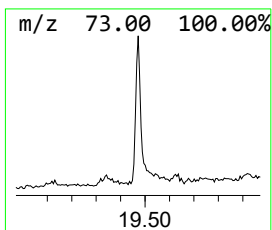
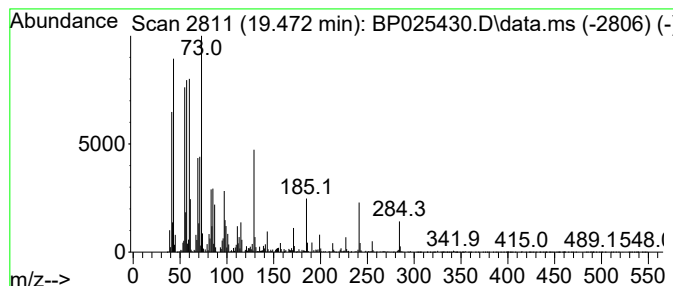
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.472	4.95 ng	586660	Chrysene-d12	21.642

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81
5		Tridecanoic acid	214	C13H26O2	000638-53-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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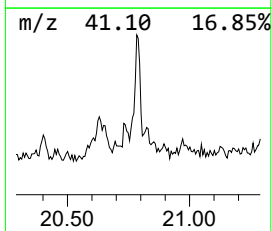
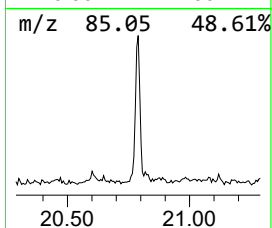
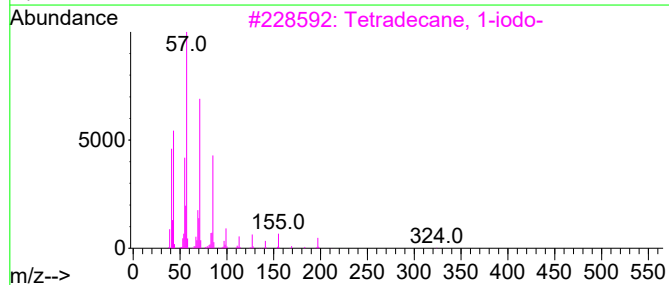
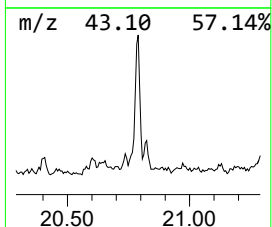
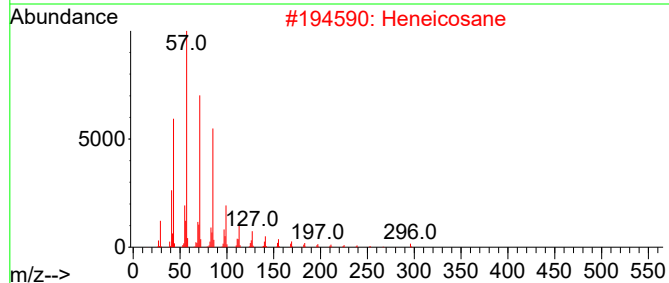
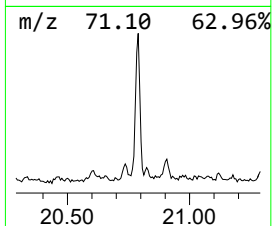
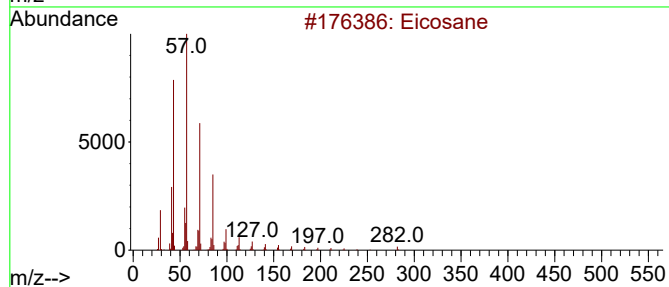
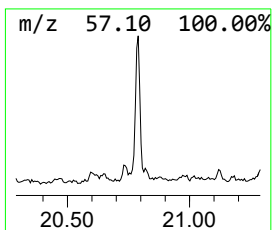
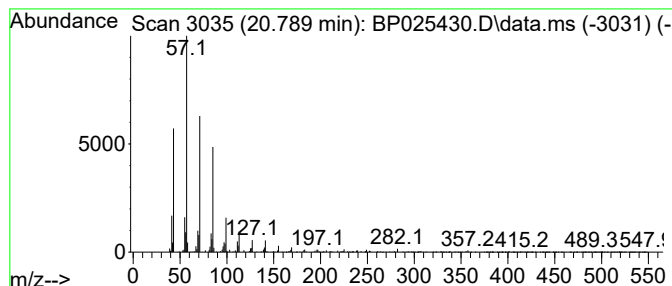
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.789	2.19 ng	259894	Chrysene-d12	21.642

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Eicosane	282	C20H42	000112-95-8	93
2		Heneicosane	296	C21H44	000629-94-7	90
3		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	87
4		Tetracosane	338	C24H50	000646-31-1	87
5		Heptadecane	240	C17H36	000629-78-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-518R-N

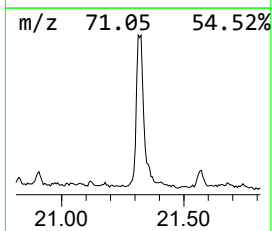
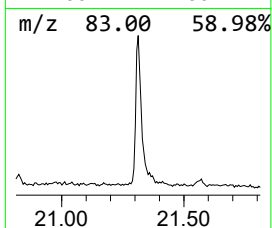
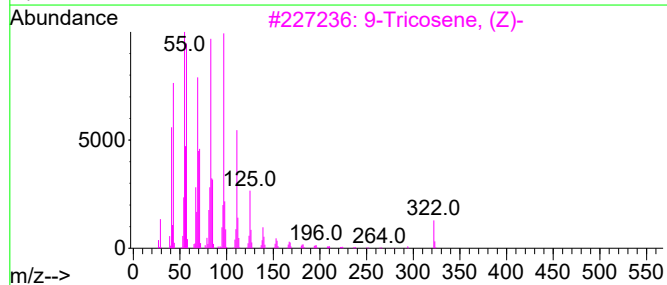
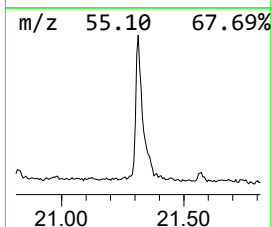
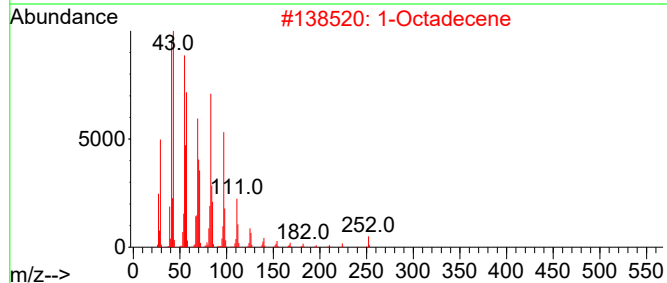
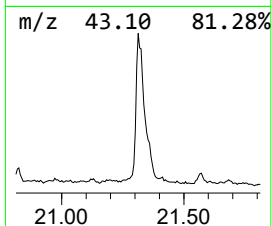
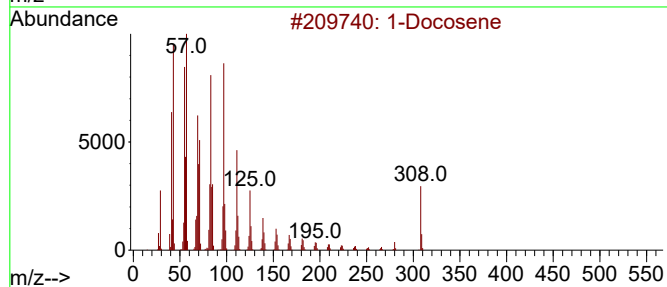
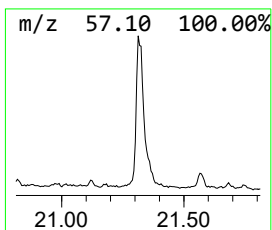
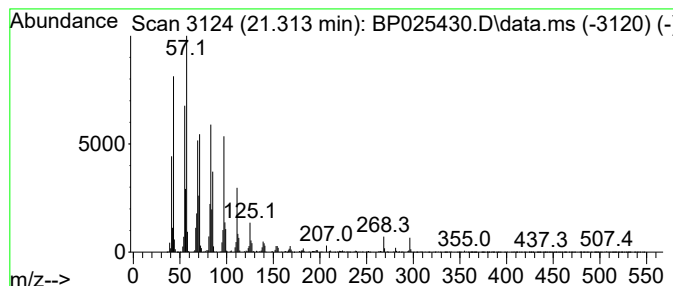
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Docosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.313	12.31 ng	1458710	Chrysene-d12	21.642

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene		308	C22H44	001599-67-3	97
2	1-Octadecene		252	C18H36	000112-88-9	94
3	9-Tricosene, (Z)-		322	C23H46	027519-02-4	93
4	Pentadecafluorooctanoic acid, oc...		666	C26H37F15O2	1000406-04-8	93
5	1-Hexacosene		364	C26H52	018835-33-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

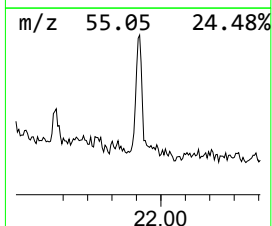
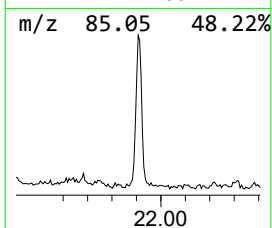
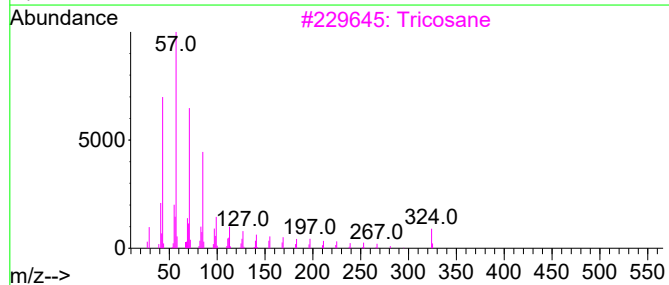
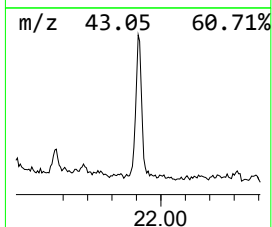
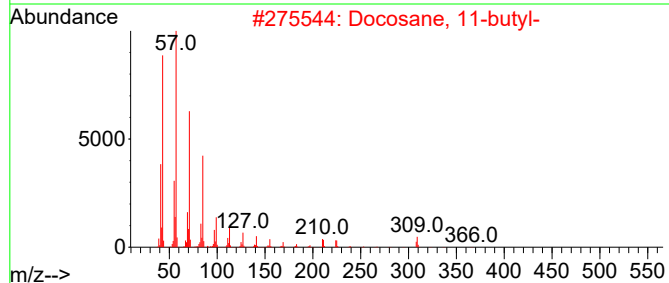
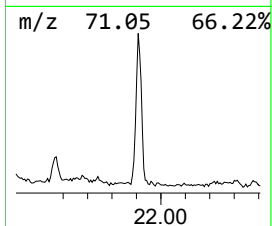
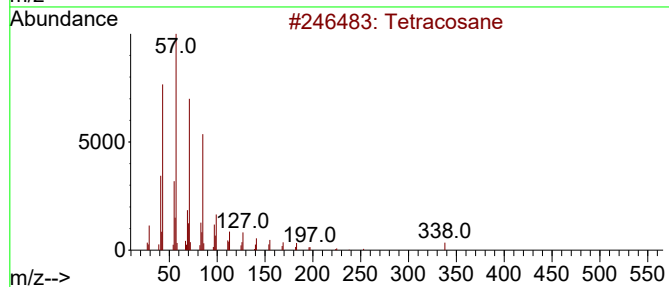
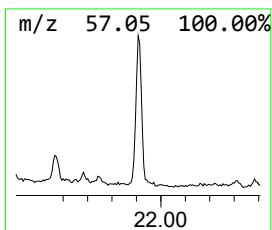
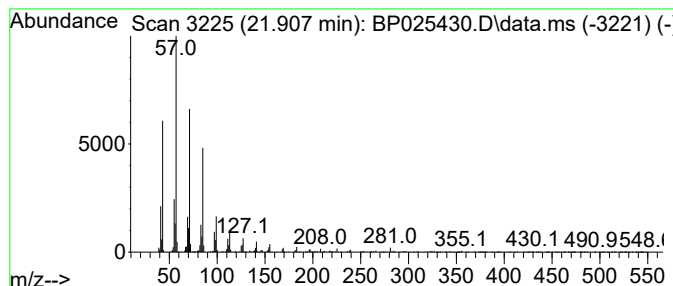
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tetracosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.907	3.47 ng	410804	Chrysene-d12	21.642

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetracosane	338	C24H50	000646-31-1	99
2		Docosane, 11-butyl-	366	C26H54	013475-76-8	93
3		Tricosane	324	C23H48	000638-67-5	93
4		Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	93
5		Pentadecane	212	C15H32	000629-62-9	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

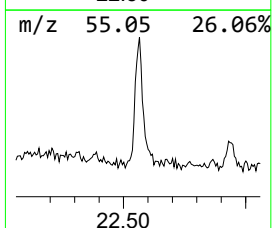
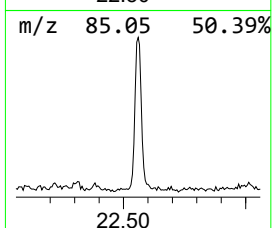
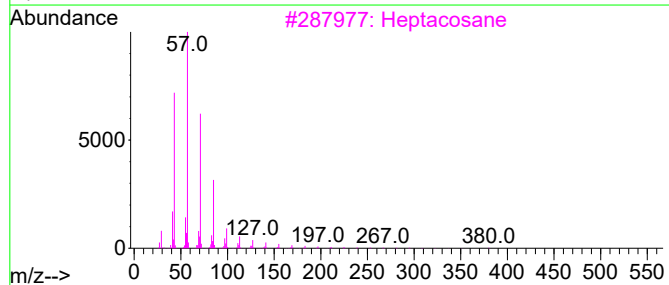
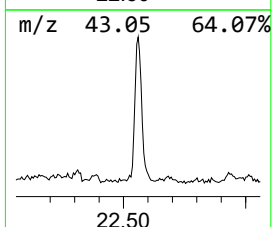
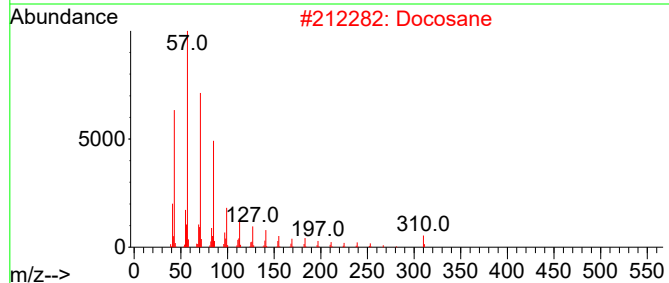
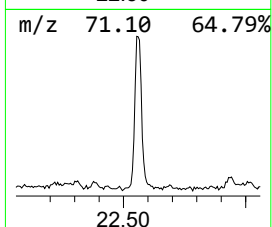
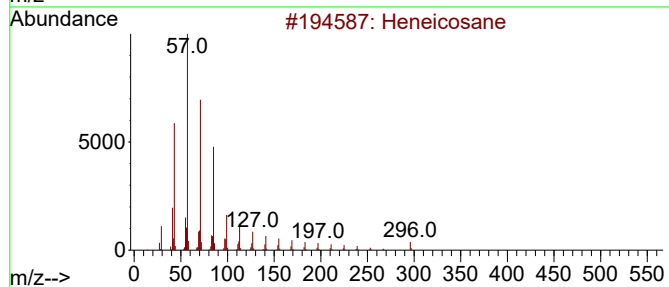
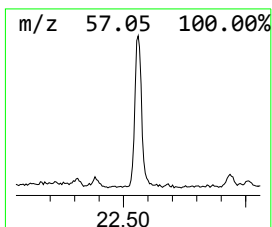
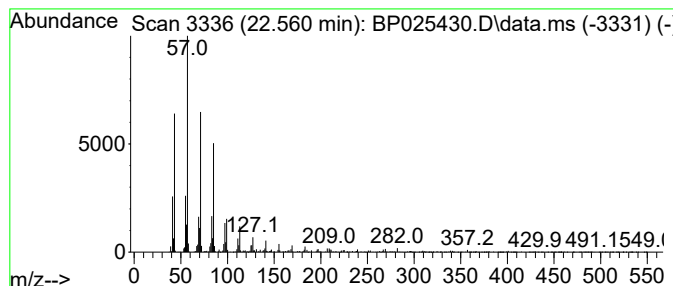
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.560	4.27 ng	506286	Chrysene-d12	21.642

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane	296	C21H44	000629-94-7	98
2		Docosane	310	C22H46	000629-97-0	97
3		Heptacosane	380	C27H56	000593-49-7	95
4		Eicosane	282	C20H42	000112-95-8	95
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

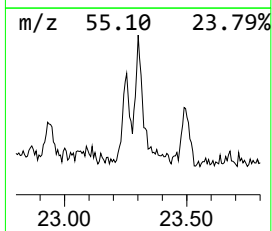
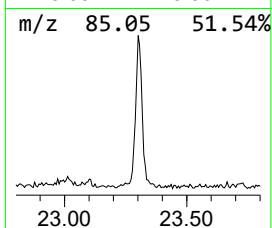
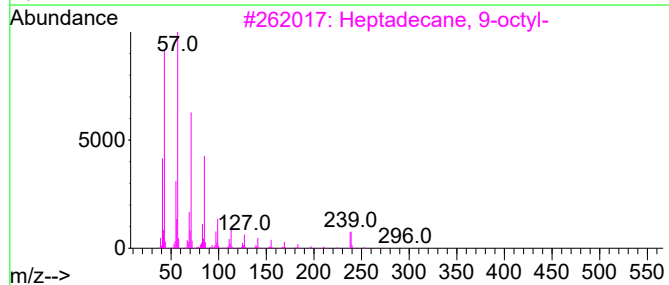
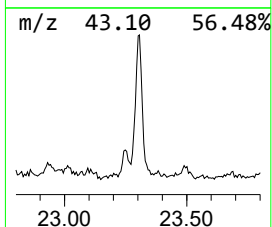
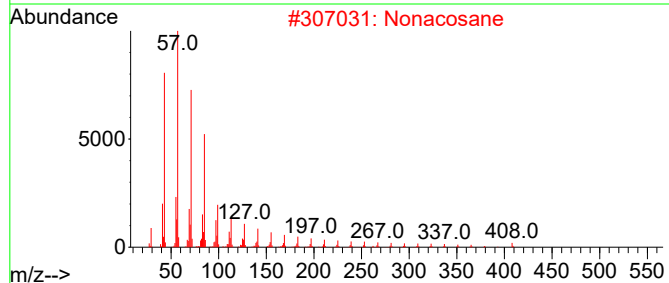
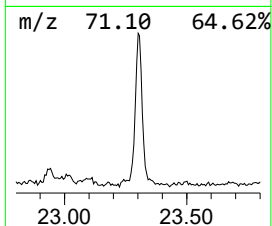
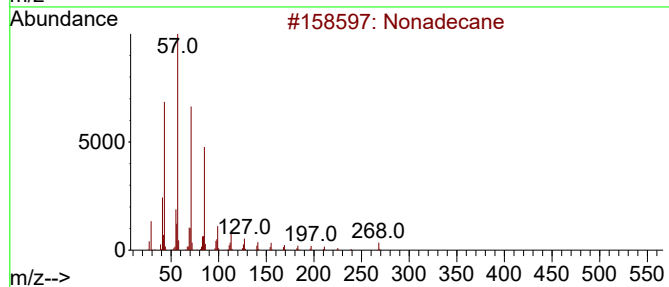
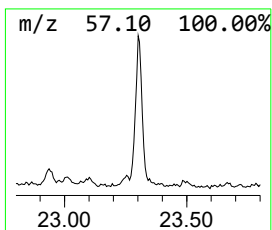
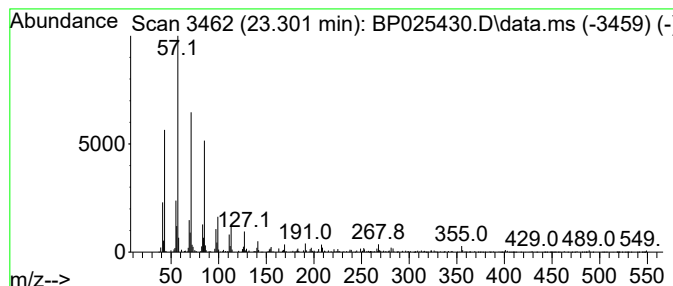
Instrument :
BNA_P
ClientSampleId :
TW-518R-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Nonadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
23.301	2.68 ng	317640	Chrysene-d12	21.642	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Nonacosane	408	C29H60	000630-03-5	93
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Pentacosane	352	C25H52	000629-99-2	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

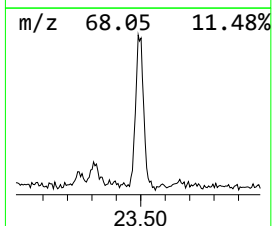
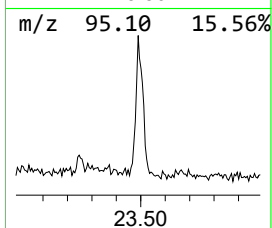
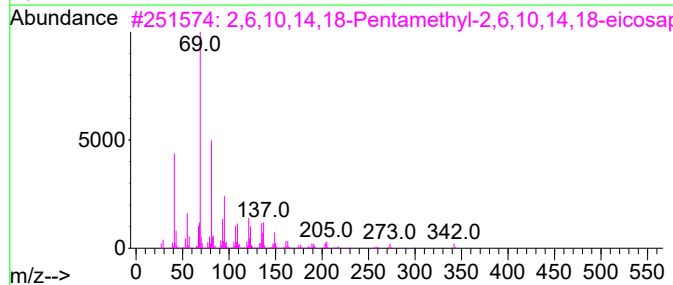
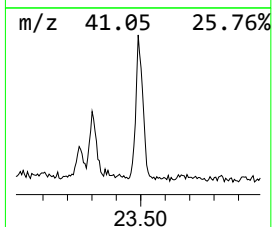
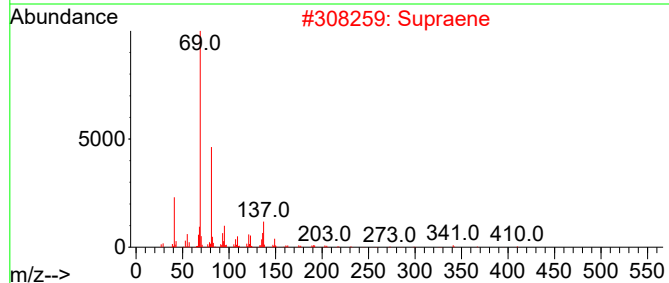
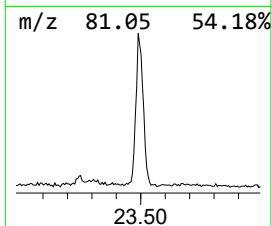
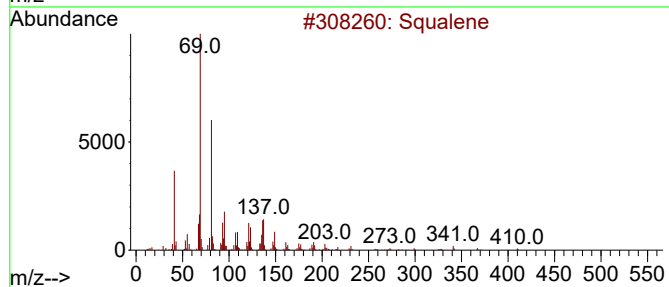
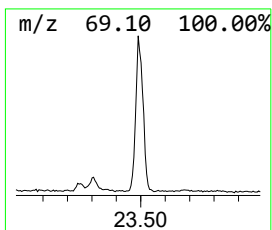
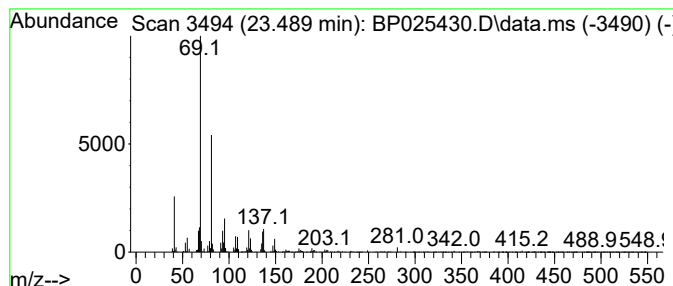
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Squalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.489	3.75 ng	488049	Perylene-d12	25.007

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Squalene	410	C30H50	000111-02-4	94
2		Supraene	410	C30H50	007683-64-9	91
3		2,6,10,14,18-Pentamethyl-2,6,10,...	342	C25H42	075581-03-2	83
4		3,7,11-Tridecatricienoic acid, 4,8...	264	C17H28O2	036237-70-4	64
5		2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025430.D
Acq On : 15 Aug 2025 16:54
Operator : CG/JU
Sample : Q2814-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.043	80.9	ng	3380260	1	7.790	836078	20.0
2-Pentanone, 4-...	4.949	6.8	ng	285812	1	7.790	836078	20.0
unknown10.049	10.049	3.1	ng	187250	2	10.555	1191930	20.0
Benzophenone	15.778	15.3	ng	1313960	3	14.407	1722720	20.0
Methanone, (1-h...	16.354	2.5	ng	260021	4	17.195	2099720	20.0
n-Hexadecanoic ...	18.142	14.1	ng	1477210	4	17.195	2099720	20.0
10,18-Bisnorabi...	19.031	2.3	ng	244025	4	17.195	2099720	20.0
9,12-Octadecadi...	19.313	2.0	ng	212104	4	17.195	2099720	20.0
9-Octadecenoic ...	19.342	2.1	ng	222611	4	17.195	2099720	20.0
Octadecanoic acid	19.472	5.0	ng	586660	5	21.642	2369480	20.0
Eicosane	20.789	2.2	ng	259894	5	21.642	2369480	20.0
1-Docosene	21.313	12.3	ng	1458710	5	21.642	2369480	20.0
Tetracosane	21.907	3.5	ng	410804	5	21.642	2369480	20.0
Heneicosane	22.560	4.3	ng	506286	5	21.642	2369480	20.0
Nonadecane	23.301	2.7	ng	317640	5	21.642	2369480	20.0
Squalene	23.489	3.8	ng	488049	6	25.007	2603770	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-NRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-18RE	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025522.D	1	08/12/25 09:55	08/21/25 01:15	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.20	U	4.00	8.20	10.2	ug/L
108-95-2	Phenol	4.10	U	0.93	4.10	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.10	U	0.83	4.10	5.10	ug/L
95-57-8	2-Chlorophenol	4.10	U	0.59	4.10	5.10	ug/L
95-48-7	2-Methylphenol	4.10	U	1.10	4.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.10	U	1.30	4.10	5.10	ug/L
98-86-2	Acetophenone	4.10	U	0.76	4.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.20	U	1.10	8.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	1.40	2.60	2.60	ug/L
67-72-1	Hexachloroethane	4.10	U	0.66	4.10	5.10	ug/L
98-95-3	Nitrobenzene	4.10	U	0.78	4.10	5.10	ug/L
78-59-1	Isophorone	4.10	U	0.77	4.10	5.10	ug/L
88-75-5	2-Nitrophenol	4.10	U	1.80	4.10	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.10	U	1.90	4.10	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.10	U	0.69	4.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.10	U	0.53	4.10	5.10	ug/L
91-20-3	Naphthalene	4.10	U	0.51	4.10	5.10	ug/L
106-47-8	4-Chloroaniline	4.10	U	0.86	4.10	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.10	U	0.55	4.10	5.10	ug/L
105-60-2	Caprolactam	8.20	U	1.20	8.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	4.10	U	0.60	4.10	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.10	U	0.57	4.10	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.20	U	3.70	8.20	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	4.10	U	0.52	4.10	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.10	U	0.63	4.10	5.10	ug/L
92-52-4	1,1-Biphenyl	4.10	U	0.54	4.10	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.10	U	0.62	4.10	5.10	ug/L
88-74-4	2-Nitroaniline	4.10	U	1.30	4.10	5.10	ug/L
131-11-3	Dimethylphthalate	4.10	U	0.62	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-NRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-18RE	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025522.D	1	08/12/25 09:55	08/21/25 01:15	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.10	U	0.77	4.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.10	U	0.94	4.10	5.10	ug/L
99-09-2	3-Nitroaniline	4.10	U	1.10	4.10	5.10	ug/L
83-32-9	Acenaphthene	4.10	U	0.56	4.10	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.20	U	6.10	8.20	10.2	ug/L
100-02-7	4-Nitrophenol	8.20	U	2.40	8.20	10.2	ug/L
132-64-9	Dibenzofuran	4.10	U	0.62	4.10	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.10	U	1.20	4.10	5.10	ug/L
84-66-2	Diethylphthalate	4.10	U	0.70	4.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.10	U	0.69	4.10	5.10	ug/L
86-73-7	Fluorene	4.10	U	0.64	4.10	5.10	ug/L
100-01-6	4-Nitroaniline	4.10	U	1.50	4.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.20	U	2.90	8.20	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	4.10	U	0.59	4.10	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	U	0.41	4.10	5.10	ug/L
118-74-1	Hexachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
1912-24-9	Atrazine	4.10	U	1.00	4.10	5.10	ug/L
87-86-5	Pentachlorophenol	8.20	U	1.60	8.20	10.2	ug/L
85-01-8	Phenanthrene	4.10	U	0.51	4.10	5.10	ug/L
120-12-7	Anthracene	4.10	U	0.62	4.10	5.10	ug/L
86-74-8	Carbazole	4.10	U	0.73	4.10	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.10	U	1.20	4.10	5.10	ug/L
206-44-0	Fluoranthene	4.10	U	0.84	4.10	5.10	ug/L
129-00-0	Pyrene	4.10	U	0.51	4.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.10	U	2.00	4.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.20	U	0.95	8.20	10.2	ug/L
56-55-3	Benzo(a)anthracene	4.10	U	0.46	4.10	5.10	ug/L
218-01-9	Chrysene	4.10	U	0.45	4.10	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.10	U	1.60	4.10	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.20	U	2.40	8.20	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	4.10	U	0.50	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-NRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-18RE	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025522.D	1	08/12/25 09:55	08/21/25 01:15	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.10	U	0.49	4.10	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.10	U	0.56	4.10	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.10	U	0.60	4.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.10	U	0.68	4.10	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.10	U	0.70	4.10	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
123-91-1	1,4-Dioxane	4.10	UQ	1.00	4.10	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.10	U	0.73	4.10	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	53.6		19 - 119	36%	SPK: 150
13127-88-3	Phenol-d6	43.4		10 - 130	29%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.3		44 - 120	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.1	*	44 - 119	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.3		43 - 140	47%	SPK: 150
1718-51-0	Terphenyl-d14	43.3	*	50 - 134	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	228000	7.79
1146-65-2	Naphthalene-d8	906000	10.56
15067-26-2	Acenaphthene-d10	566000	14.401
1517-22-2	Phenanthrene-d10	1070000	17.189
1719-03-5	Chrysene-d12	1100000	21.642
1520-96-3	Perylene-d12	1240000	25.024

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025522.D
Acq On : 21 Aug 2025 01:15
Operator : CG/JU
Sample : Q2814-18RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-NRE

Quant Time: Aug 21 01:40:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	227667	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	906269	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	565733	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	1067338	20.000	ng	-0.01
76) Chrysene-d12	21.642	240	1097367	20.000	ng	0.00
86) Perylene-d12	25.024	264	1243286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	734616	53.586	ng	0.00
7) Phenol-d6	6.966	99	763590	43.444	ng	0.00
23) Nitrobenzene-d5	8.931	82	847098	47.283	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	535614	70.338	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1785576	43.136	ng	0.00
79) Terphenyl-d14	19.913	244	2594700	43.260	ng	0.00

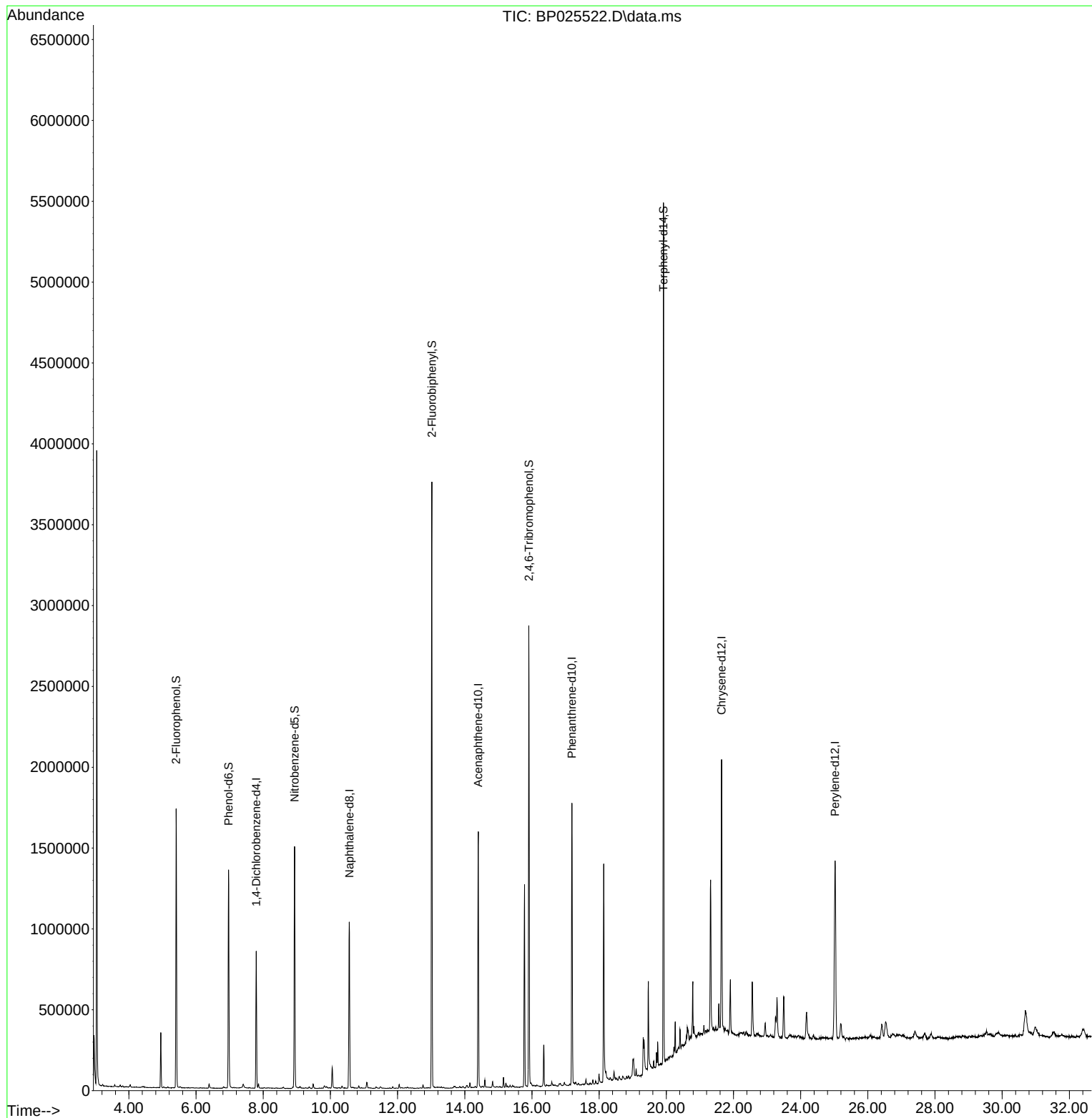
Target Compounds	Qvalue

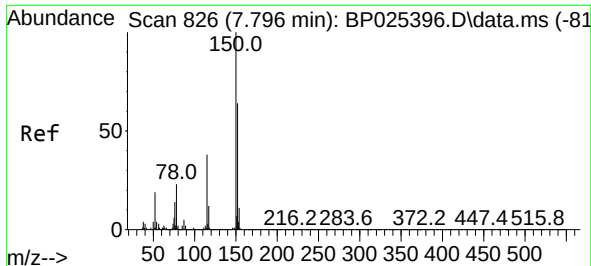
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025522.D
Acq On : 21 Aug 2025 01:15
Operator : CG/JU
Sample : Q2814-18RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-NRE

Quant Time: Aug 21 01:40:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

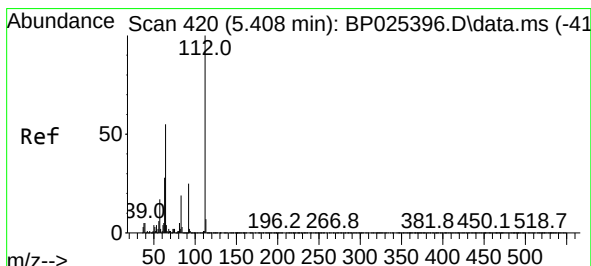
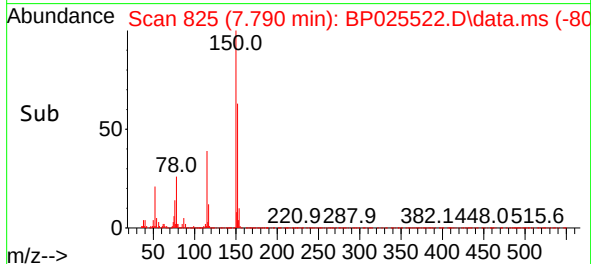
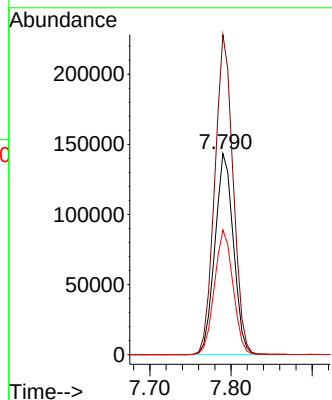
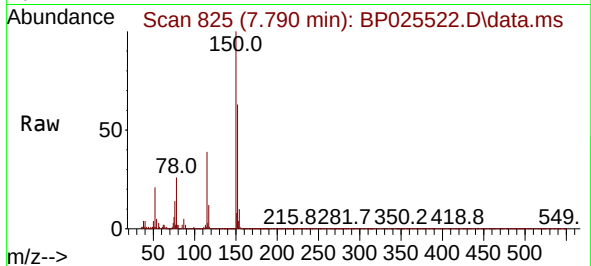




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

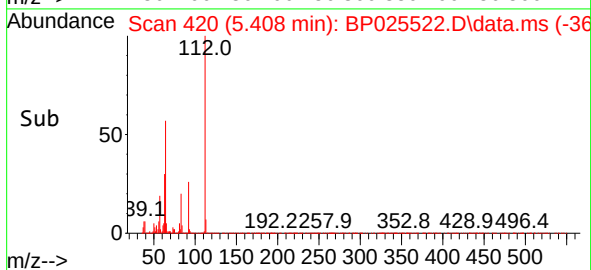
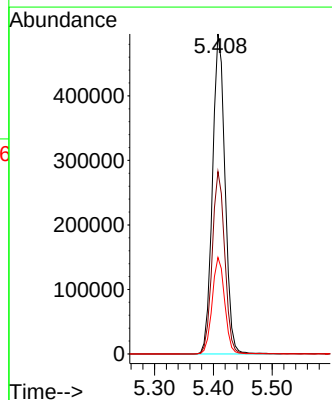
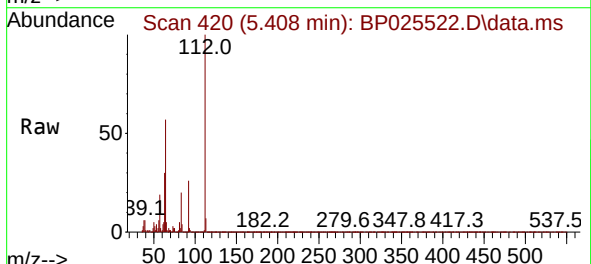
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BNA_P
ClientSampleId :
TW-518R-NRE

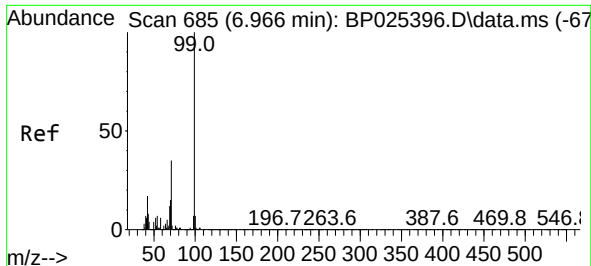
Tgt Ion:152 Resp: 227667
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 61.9 48.5 72.7



#5
2-Fluorophenol
Concen: 53.586 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

Tgt Ion:112 Resp: 734616
Ion Ratio Lower Upper
112 100
64 57.0 43.8 65.8
63 30.2 22.7 34.1

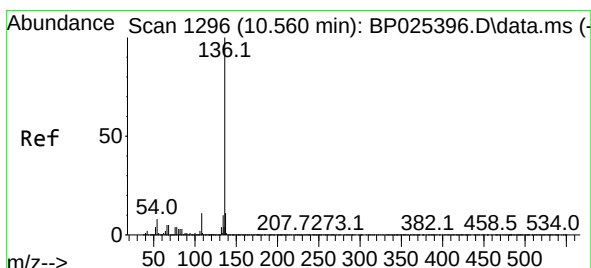
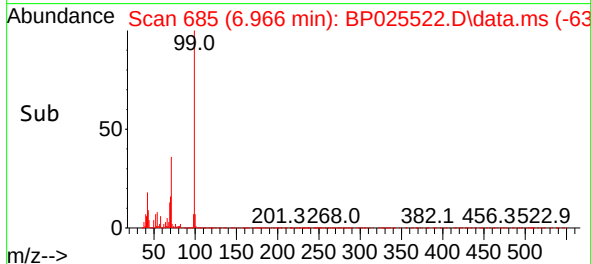
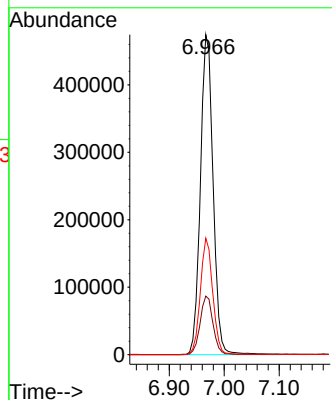
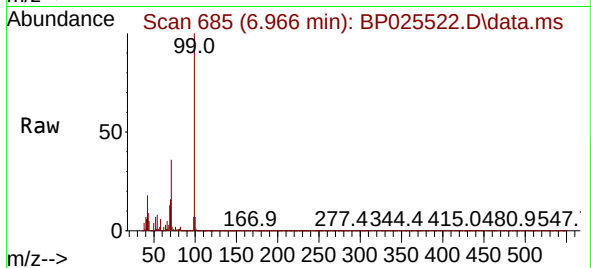




#7
Phenol-d6
Concen: 43.444 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

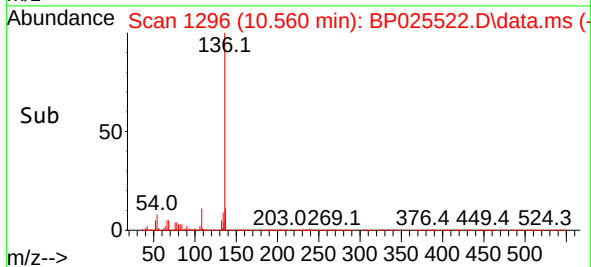
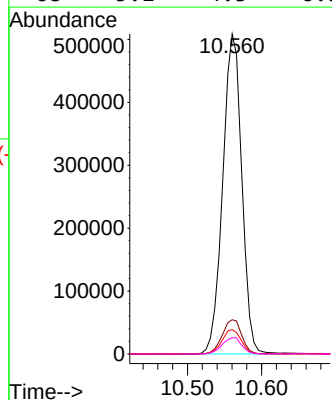
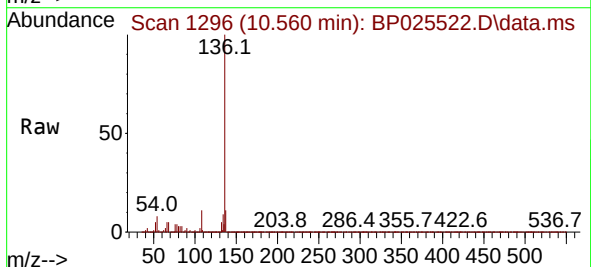
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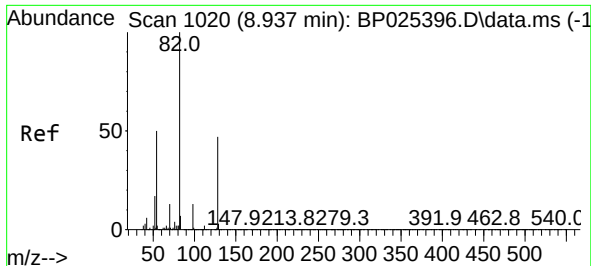
Tgt Ion:	99	Resp:	763590
Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	36.4	28.2	42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

Tgt Ion:	136	Resp:	906269
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5

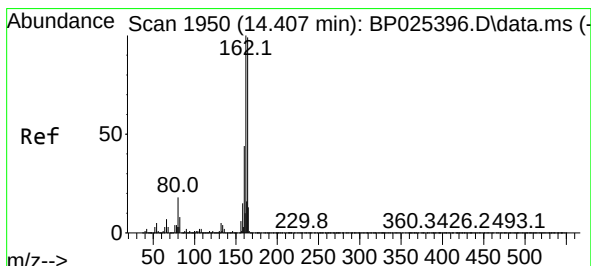
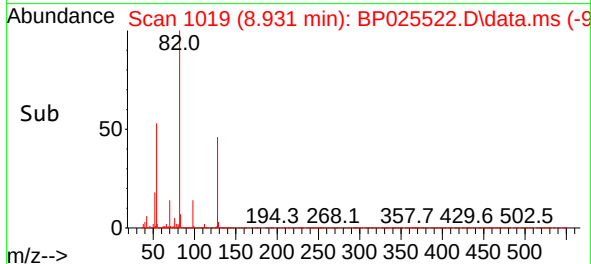
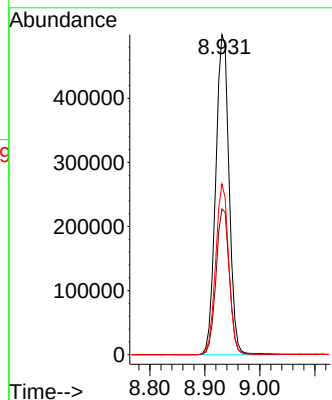
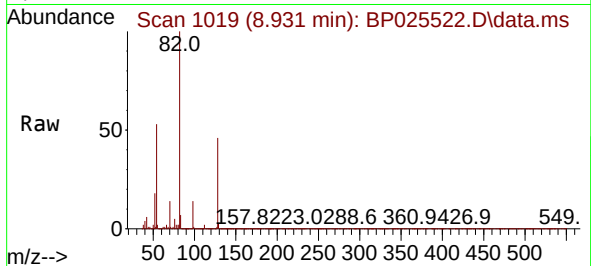




#23
Nitrobenzene-d5
Concen: 47.283 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

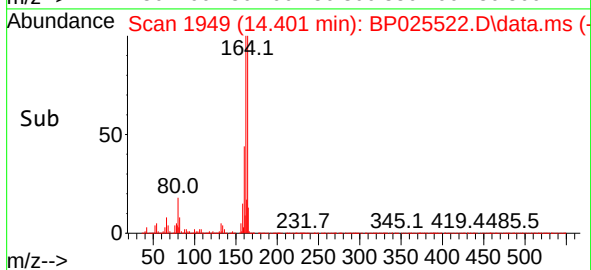
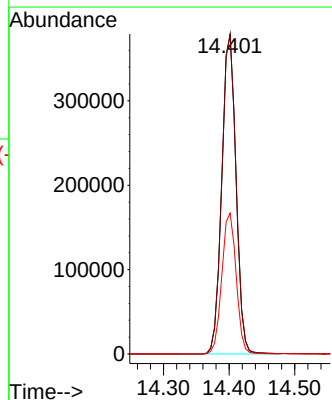
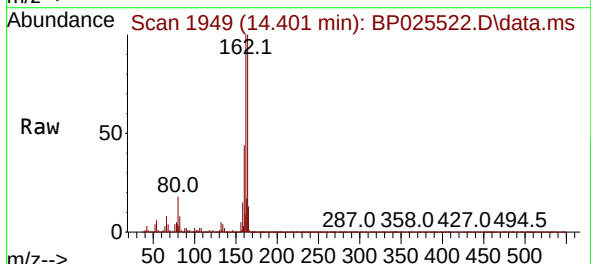
Instrument :
BNA_P
ClientSampleId :
TW-518R-NRE

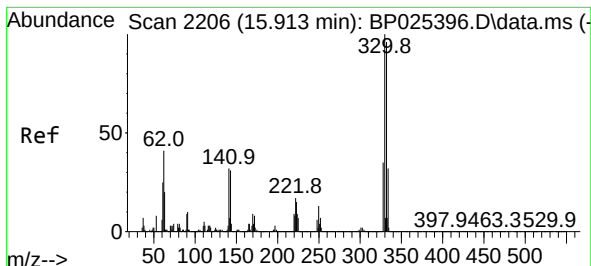
Tgt Ion: 82 Resp: 847098
Ion Ratio Lower Upper
82 100
128 45.5 37.7 56.5
54 53.4 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

Tgt Ion: 164 Resp: 565733
Ion Ratio Lower Upper
164 100
162 100.3 81.0 121.6
160 44.2 35.4 53.2

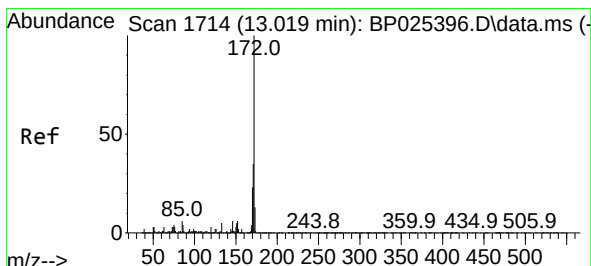
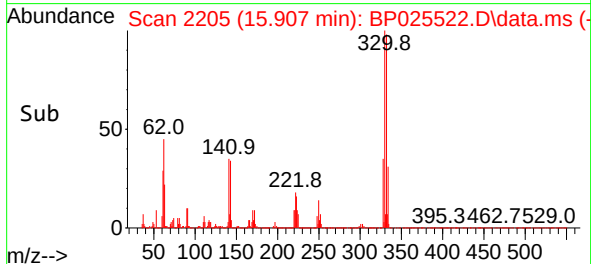
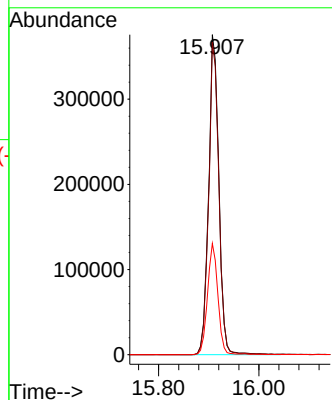
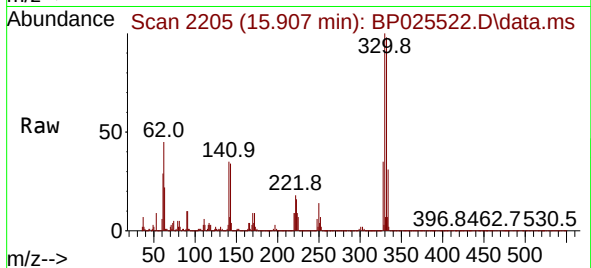




#42
2,4,6-Tribromophenol
Concen: 70.338 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

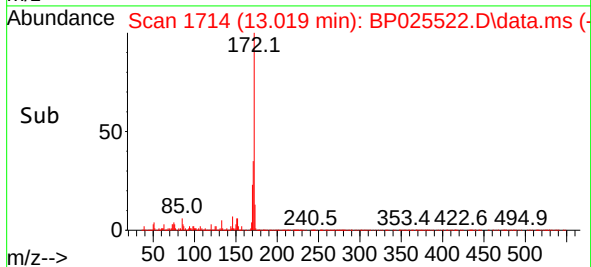
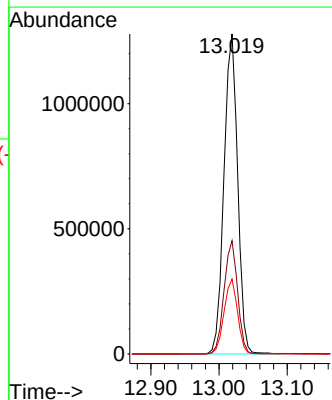
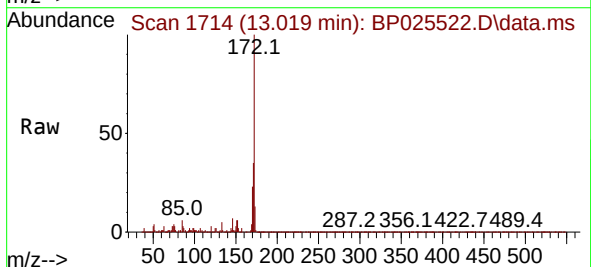
Instrument :
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ClientSampleId :
TW-518R-NRE

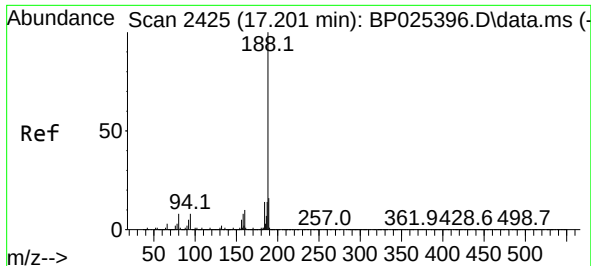
Tgt Ion:330 Resp: 535614
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 34.9 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 43.136 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

Tgt Ion:172 Resp: 1785576
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.4 18.6 28.0

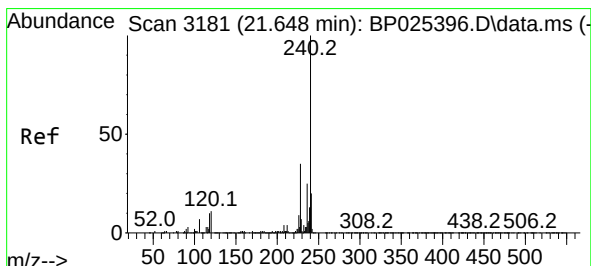
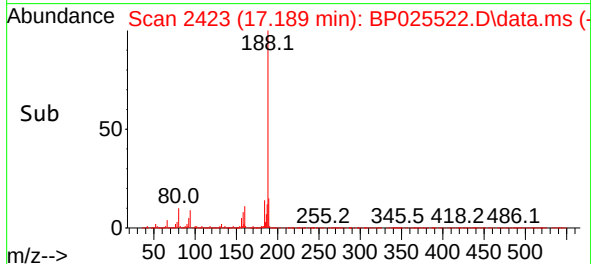
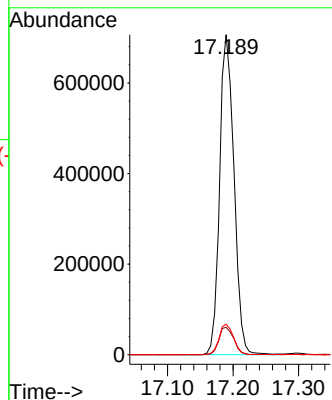
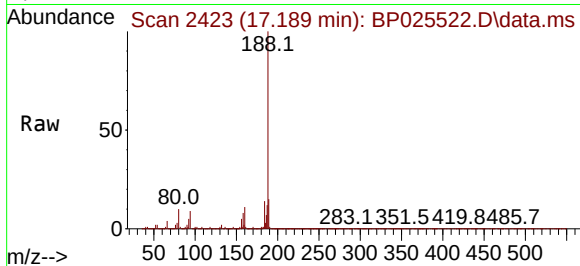




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

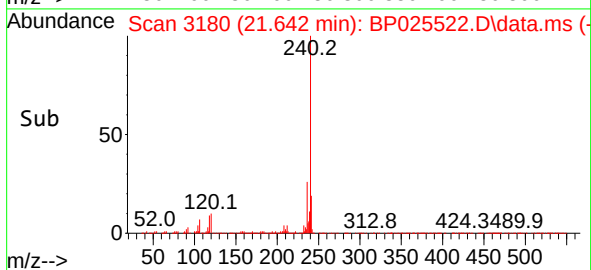
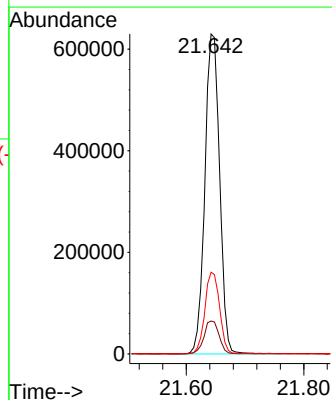
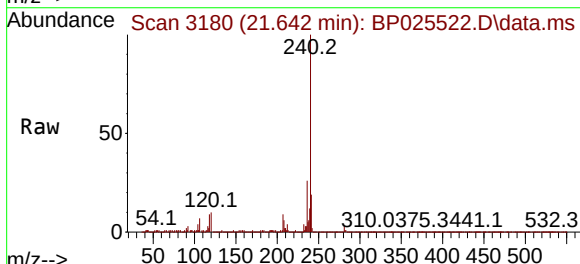
Instrument :
BNA_P
ClientSampleId :
TW-518R-NRE

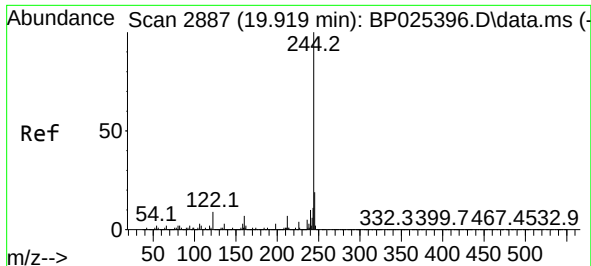
Tgt Ion:188 Resp: 1067338
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.5 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

Tgt Ion:240 Resp: 1097367
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.6 19.8 29.8

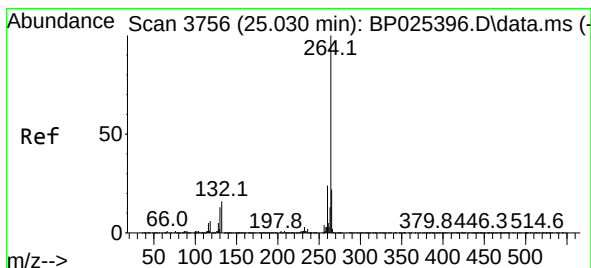
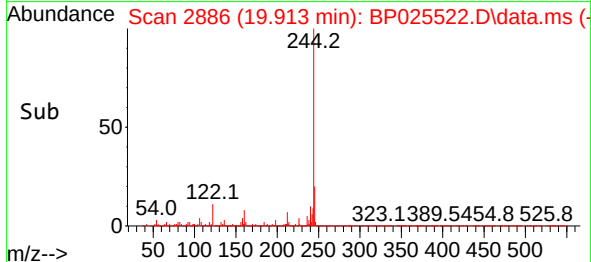
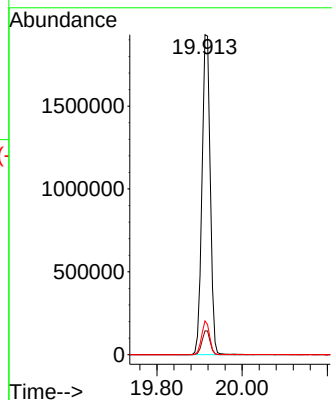
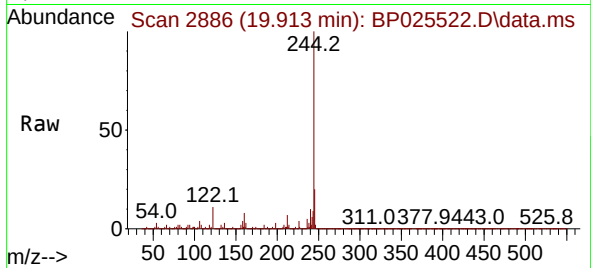




#79
Terphenyl-d14
Concen: 43.260 ng
RT: 19.913 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

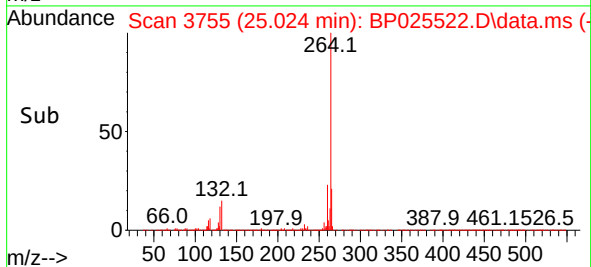
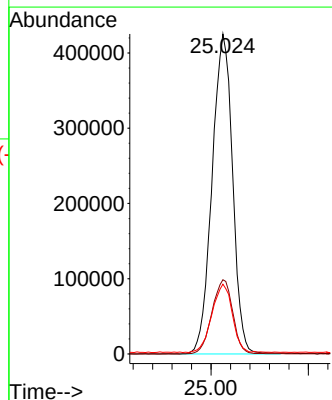
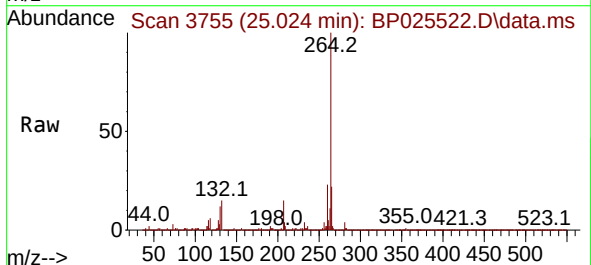
Instrument :
BNA_P
ClientSampleId :
TW-518R-NRE

Tgt Ion:244 Resp: 2594700
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 10.5 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025522.D
Acq: 21 Aug 2025 01:15

Tgt Ion:264 Resp: 1243286
Ion Ratio Lower Upper
264 100
260 23.2 19.3 28.9
265 21.8 17.4 26.0



Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-19	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143536.D	1	08/12/25 09:55	08/21/25 18:05	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-19	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143536.D	1	08/12/25 09:55	08/21/25 18:05	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-19	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143536.D	1	08/12/25 09:55	08/21/25 18:05	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	74.0		19 - 119	49%	SPK: 150
13127-88-3	Phenol-d6	58.4		10 - 130	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.5		44 - 120	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.0		44 - 119	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		43 - 140	74%	SPK: 150
1718-51-0	Terphenyl-d14	65.8		50 - 134	66%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	110000	6.928
1146-65-2	Naphthalene-d8	411000	8.204
15067-26-2	Acenaphthene-d10	206000	9.963
1517-22-2	Phenanthrene-d10	273000	11.451
1719-03-5	Chrysene-d12	205000	14.092
1520-96-3	Perylene-d12	251000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	95.7	JB	2.26	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.70	AB	5.15	ug/L
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	2.80	J	8.11	ug/L
000119-61-9	Benzophenone	9.00	J	10.7	ug/L
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	2.10	J	11.0	ug/L
000057-10-3	n-Hexadecanoic acid	6.10	J	12.0	ug/L
000110-34-9	Hexadecanoic acid, 2-methylpropyl	2.30	J	12.7	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-19	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143536.D	1	08/12/25 09:55	08/21/25 18:05	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000111-06-8	Hexadecanoic acid, butyl ester	5.00	J			12.9	ug/L
000123-95-5	Octadecanoic acid, butyl ester	3.20	J			13.6	ug/L
000629-94-7	Heneicosane	2.30	J			13.6	ug/L
007098-22-8	Tetratetracontane	2.90	J			13.9	ug/L
000629-99-2	Pentacosane	2.60	J			14.2	ug/L
000630-04-6	Hentriacontane	2.30	J			14.6	ug/L
000112-95-8	Eicosane	2.10	J			14.9	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

Quant Time: Aug 22 01:01:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	109854	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	411240	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	205974	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	272882	20.000	ng	0.00
76) Chrysene-d12	14.092	240	205191	20.000	ng	-0.01
86) Perylene-d12	15.592	264	251013	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	465475	73.989	ng	0.00
7) Phenol-d6	6.557	99	453556	58.402	ng	-0.02
23) Nitrobenzene-d5	7.487	82	581644	82.535	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	213895	111.560	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1021859	81.991	ng	0.00
79) Terphenyl-d14	13.033	244	774100	65.833	ng	0.00

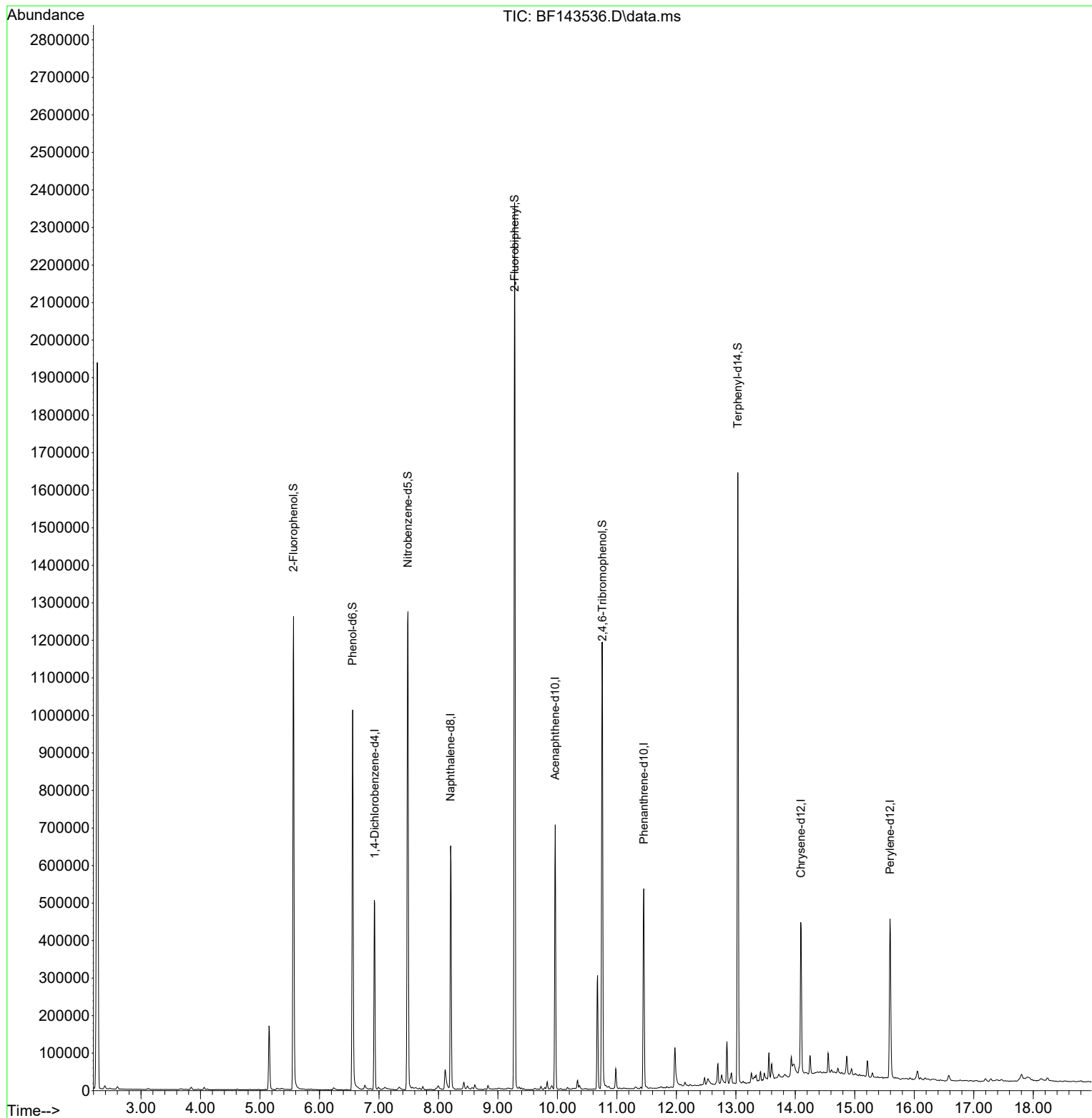
Target Compounds	Qvalue

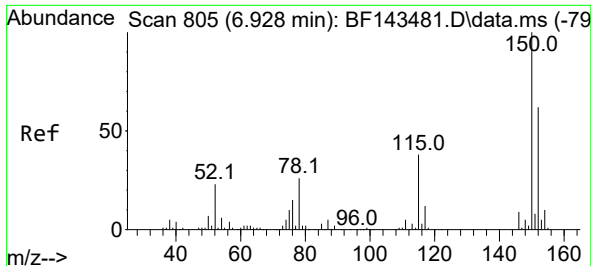
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

Quant Time: Aug 22 01:01:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

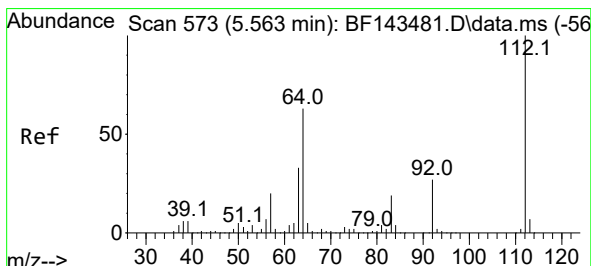
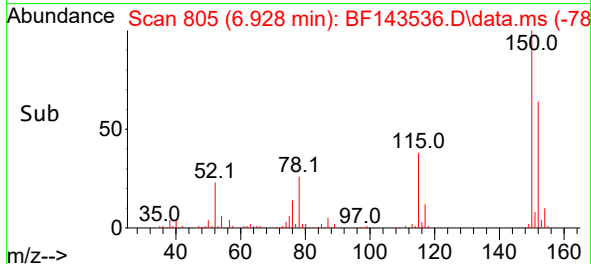
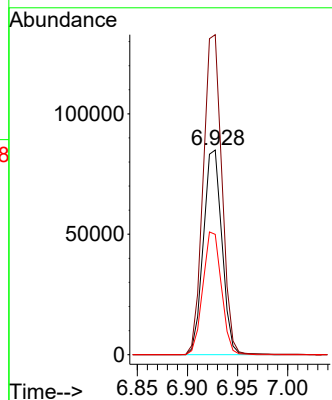
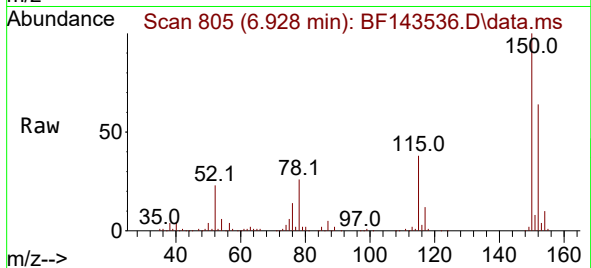




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

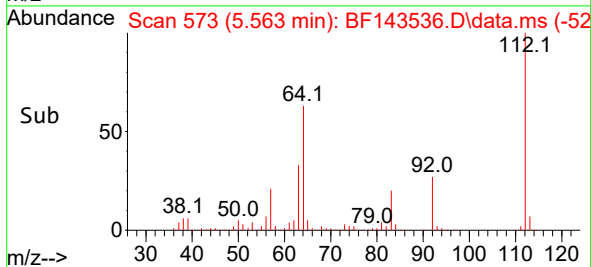
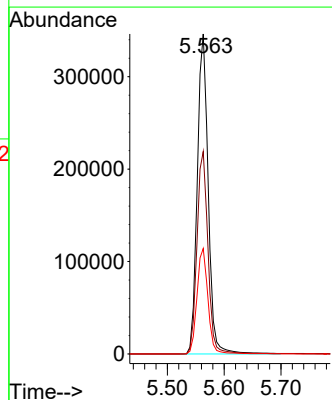
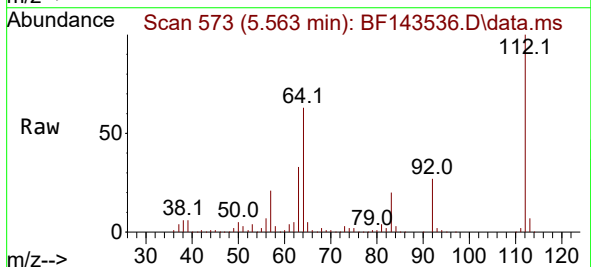
Instrument :
BNA_F
ClientSampleId :
TW-518R-E

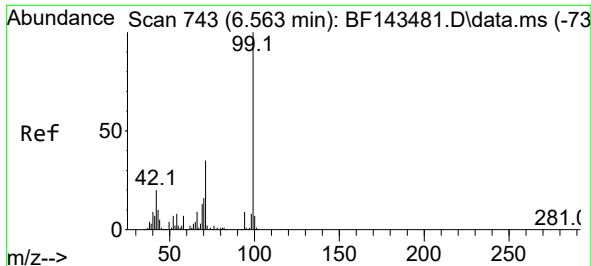
Tgt Ion:152 Resp: 109854
Ion Ratio Lower Upper
152 100
150 156.4 128.9 193.3
115 58.8 49.2 73.8



#5
2-Fluorophenol
Concen: 73.989 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

Tgt Ion:112 Resp: 465475
Ion Ratio Lower Upper
112 100
64 63.3 50.4 75.6
63 33.0 26.4 39.6

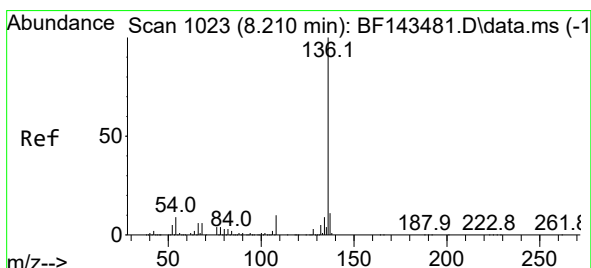
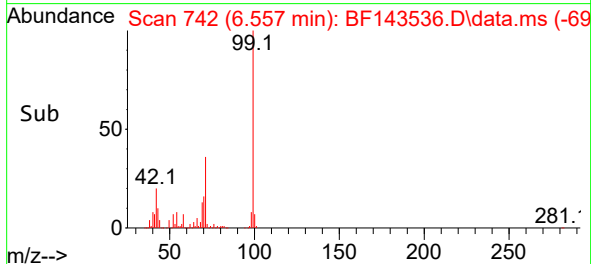
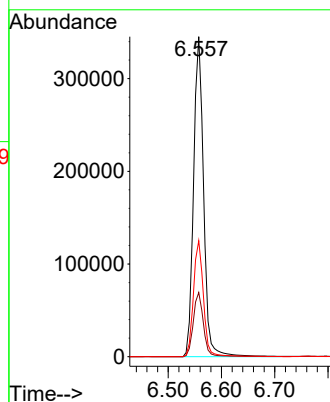
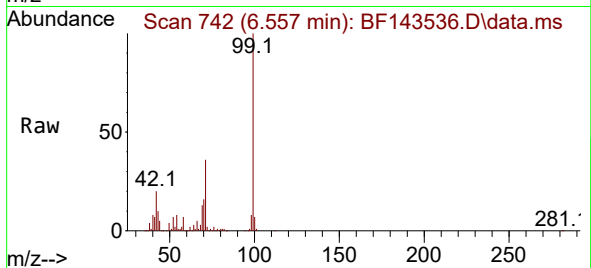




#7
Phenol-d6
Concen: 58.402 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

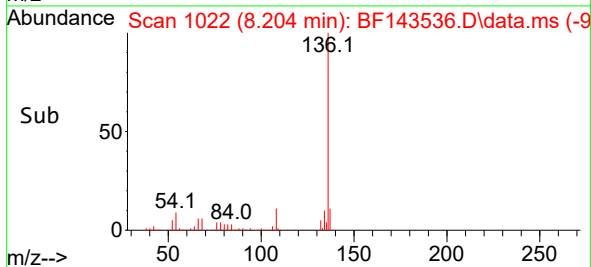
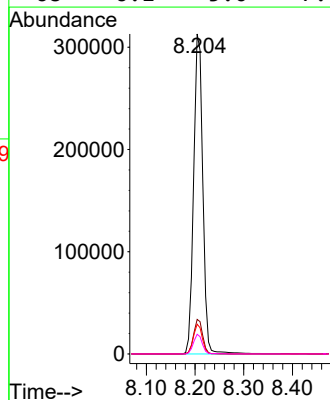
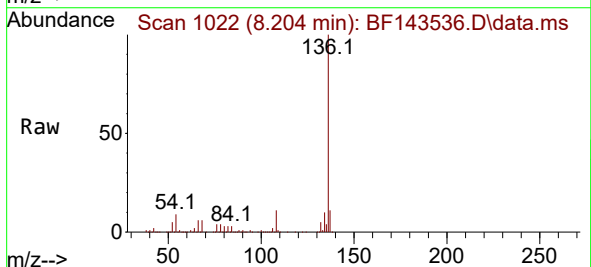
Instrument :
BNA_F
ClientSampleId :
TW-518R-E

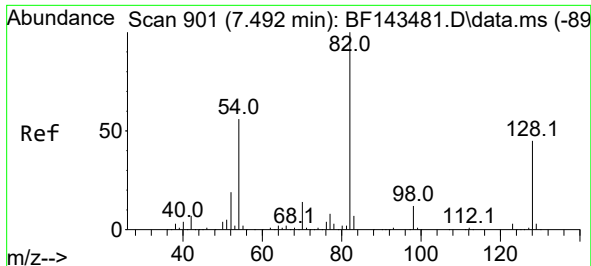
Tgt Ion: 99 Resp: 453556
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 36.2 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

Tgt Ion: 136 Resp: 411240
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 9.3 7.4 11.2
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 82.535 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143536.D

Acq: 21 Aug 2025 18:05

Instrument :

BNA_F

ClientSampleId :

TW-518R-E

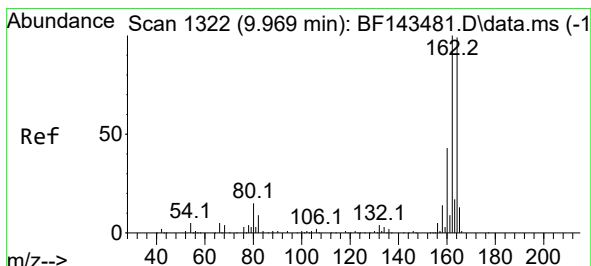
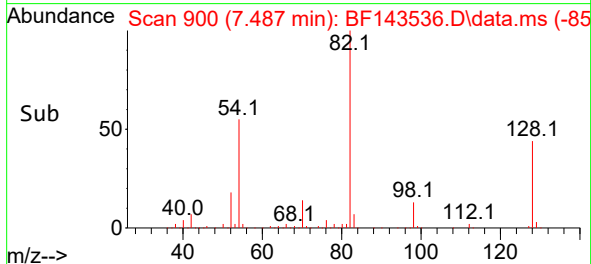
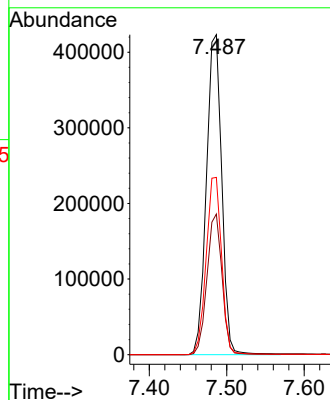
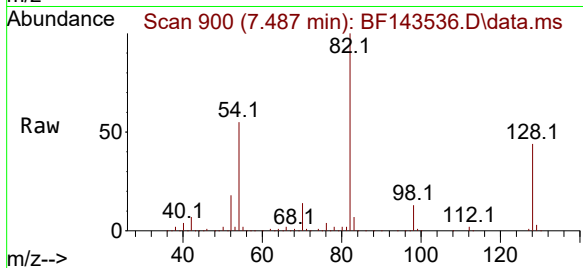
Tgt Ion: 82 Resp: 581644

Ion Ratio Lower Upper

82 100

128 44.0 35.5 53.3

54 55.4 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143536.D

Acq: 21 Aug 2025 18:05

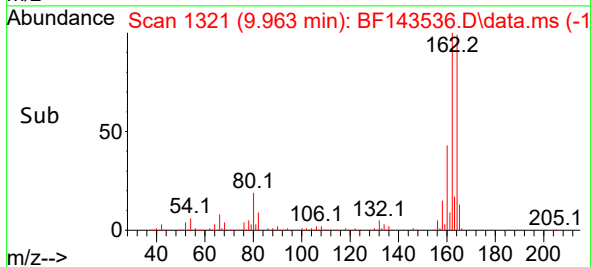
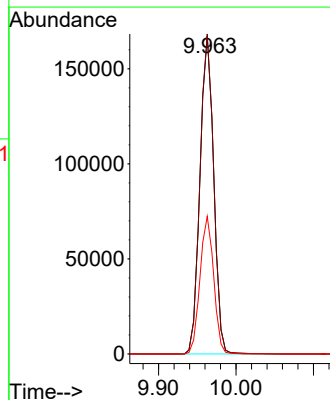
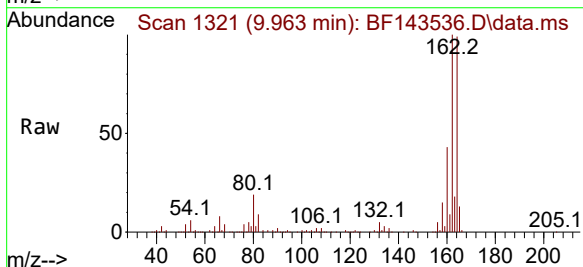
Tgt Ion: 164 Resp: 205974

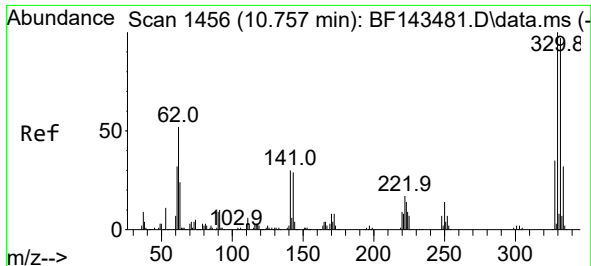
Ion Ratio Lower Upper

164 100

162 100.7 80.5 120.7

160 43.3 34.3 51.5

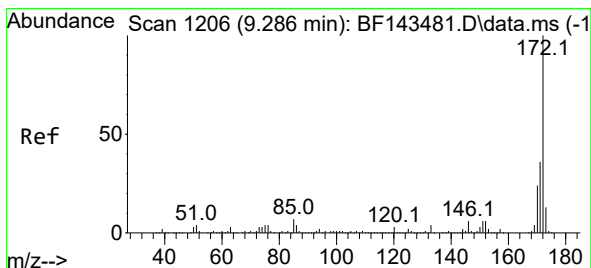
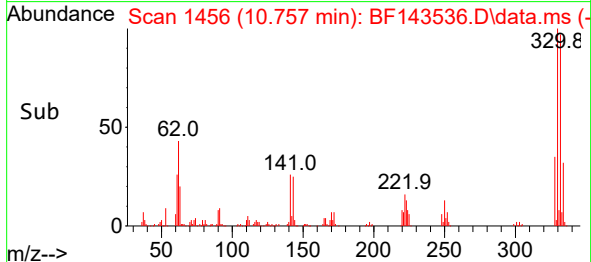
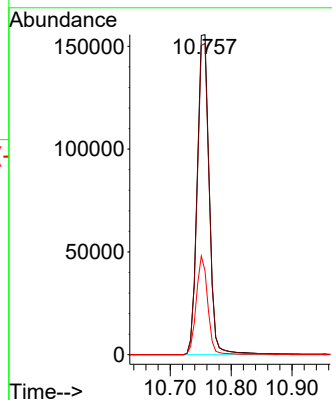
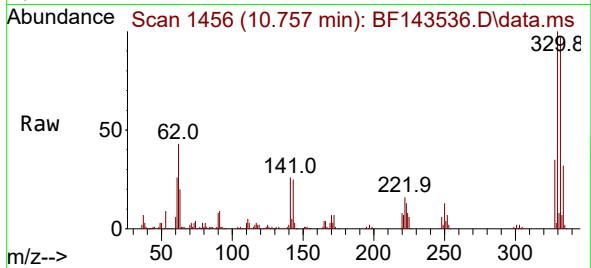




#42
2,4,6-Tribromophenol
Concen: 111.560 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

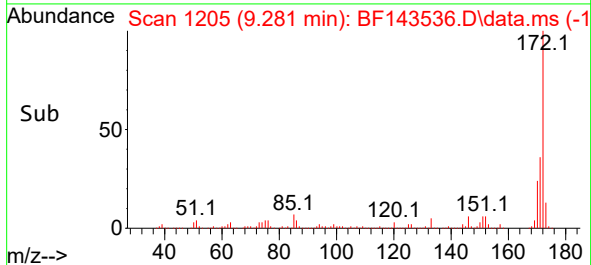
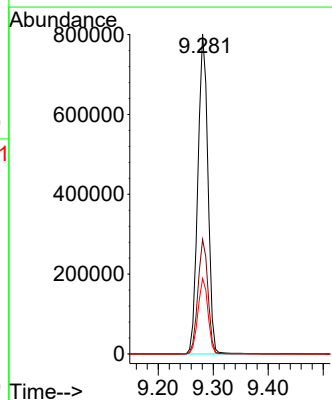
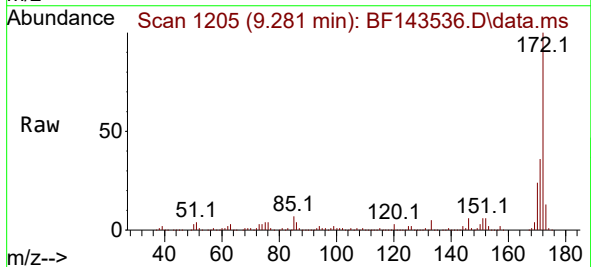
Instrument :
BNA_F
ClientSampleId :
TW-518R-E

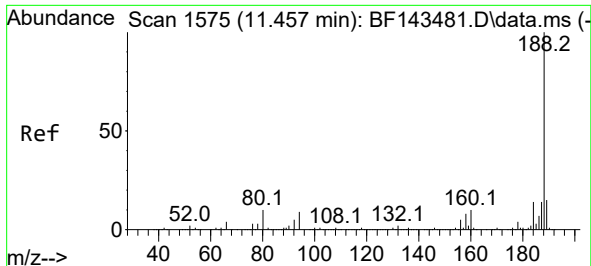
Tgt Ion: 330 Resp: 213895
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 29.3 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 81.991 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

Tgt Ion: 172 Resp: 1021859
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.5 18.8 28.2

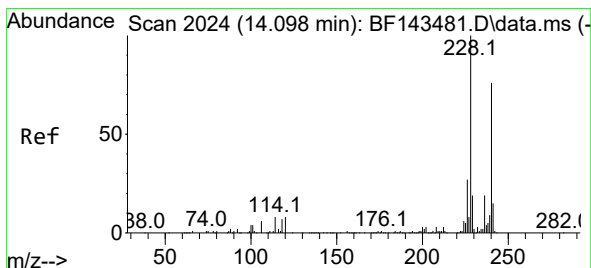
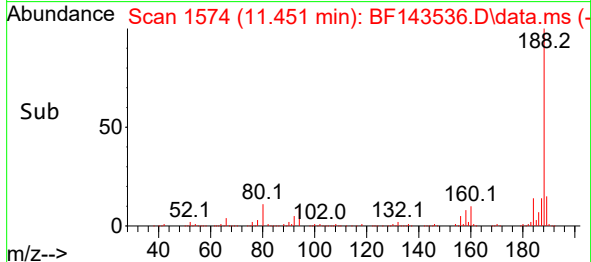
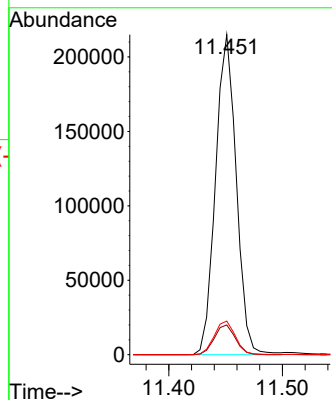
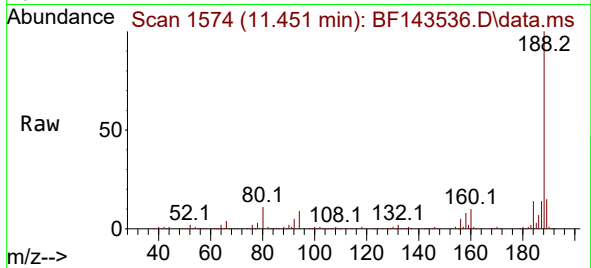




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

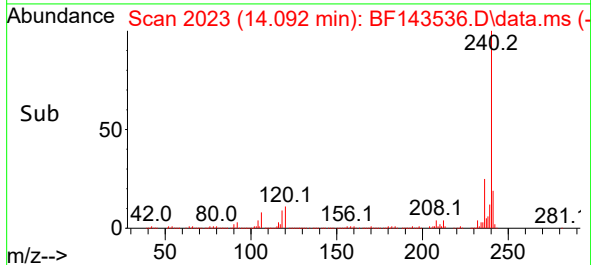
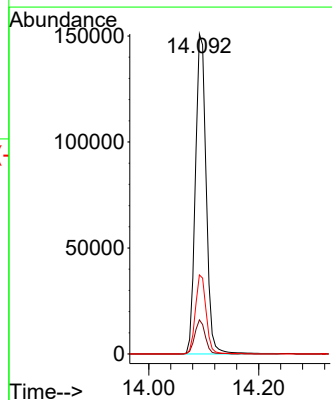
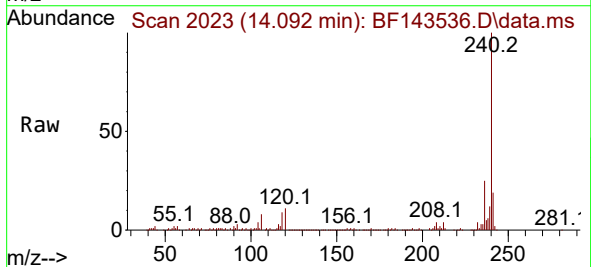
Instrument :
BNA_F
ClientSampleId :
TW-518R-E

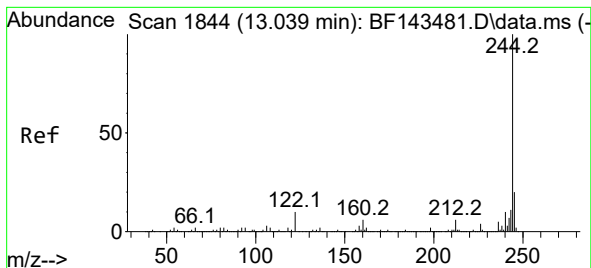
Tgt Ion:188 Resp: 272882
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.5 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143536.D
Acq: 21 Aug 2025 18:05

Tgt Ion:240 Resp: 205191
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 24.7 20.4 30.6





#79

Terphenyl-d14

Concen: 65.833 ng

RT: 13.033 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143536.D

Acq: 21 Aug 2025 18:05

Instrument :

BNA_F

ClientSampleId :

TW-518R-E

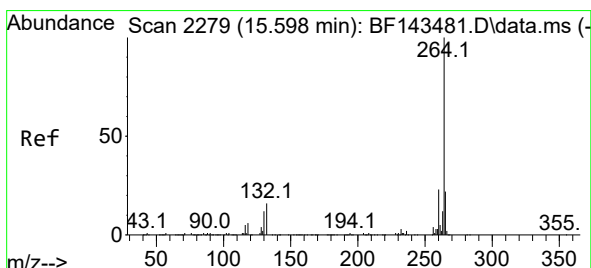
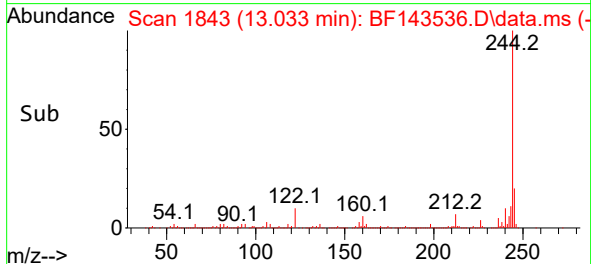
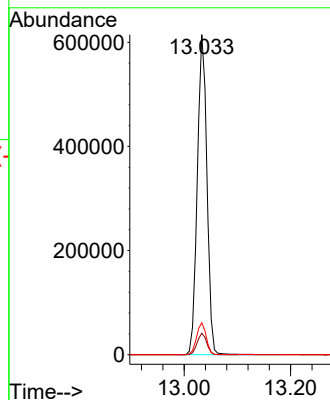
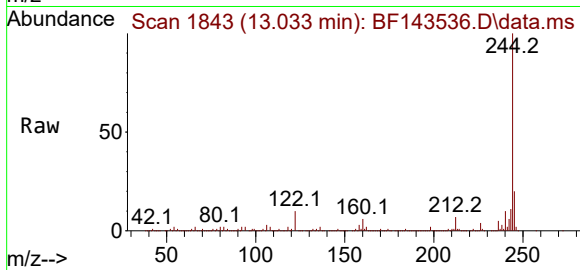
Tgt Ion:244 Resp: 774100

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.0 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143536.D

Acq: 21 Aug 2025 18:05

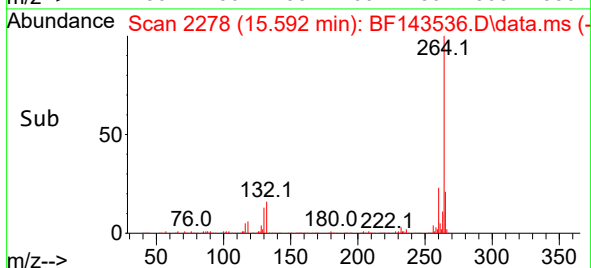
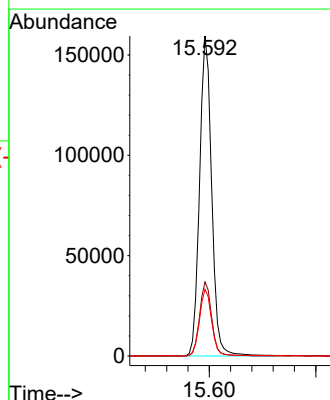
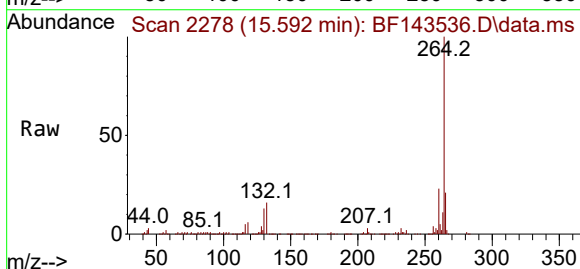
Tgt Ion:264 Resp: 251013

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 20.9 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143536.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	4	12	20	rBV	1934496	3122481	100.00%	14.955%
2	5.151	496	503	519	rBV	170389	252350	8.08%	1.209%
3	5.563	567	573	596	rBV	1260520	1702528	54.52%	8.154%
4	6.557	737	742	769	rBV	1013204	1367522	43.80%	6.550%
5	6.922	799	804	812	rBV	504565	652561	20.90%	3.125%
6	7.487	891	900	910	rBV	1273826	1759723	56.36%	8.428%
7	7.992	976	986	997	rBV9	10742	34911	1.12%	0.167%
8	8.110	1001	1006	1017	rVV	52202	116762	3.74%	0.559%
9	8.204	1017	1022	1035	rVB	648619	846046	27.10%	4.052%
10	9.281	1199	1205	1210	rBV	2361346	2976874	95.34%	14.258%
11	9.963	1316	1321	1326	rBV	704235	862276	27.62%	4.130%
12	10.675	1436	1442	1450	rBV	302492	389388	12.47%	1.865%
13	10.751	1450	1455	1464	rBV	1190013	1571656	50.33%	7.528%
14	10.980	1487	1494	1501	rVB	52016	70715	2.26%	0.339%
15	11.451	1569	1574	1581	rBV	532229	679044	21.75%	3.252%
16	11.974	1658	1663	1678	rBV2	105780	207611	6.65%	0.994%
17	12.533	1752	1758	1767	rBV4	15091	40303	1.29%	0.193%
18	12.698	1779	1786	1791	rBV	53584	76238	2.44%	0.365%
19	12.763	1792	1797	1807	rVV4	22851	48072	1.54%	0.230%
20	12.851	1807	1812	1817	rVV	112053	138371	4.43%	0.663%
21	12.927	1817	1825	1831	rVV3	27842	52312	1.68%	0.251%
22	13.033	1838	1843	1854	rBV	1627525	2051379	65.70%	9.825%
23	13.263	1878	1882	1885	rBV	25257	37109	1.19%	0.178%
24	13.480	1915	1919	1927	rBV2	18667	35412	1.13%	0.170%
25	13.557	1928	1932	1936	rVV	70438	89455	2.86%	0.428%
26	13.604	1936	1940	1947	rVB	38538	63374	2.03%	0.304%
27	13.933	1991	1996	1999	rBV	50499	80346	2.57%	0.385%
28	14.092	2016	2023	2033	rVB	401323	554883	17.77%	2.658%
29	14.245	2045	2049	2058	rBV	48706	70775	2.27%	0.339%
30	14.551	2097	2101	2106	rBV	51366	64735	2.07%	0.310%
31	14.863	2150	2154	2163	rVB	47305	72247	2.31%	0.346%
32	15.210	2209	2213	2222	rVB	43863	67481	2.16%	0.323%
33	15.592	2272	2278	2291	rVB	424028	688115	22.04%	3.296%
34	16.057	2353	2357	2362	rVB	21123	35606	1.14%	0.171%

Sum of corrected areas: 20878661

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

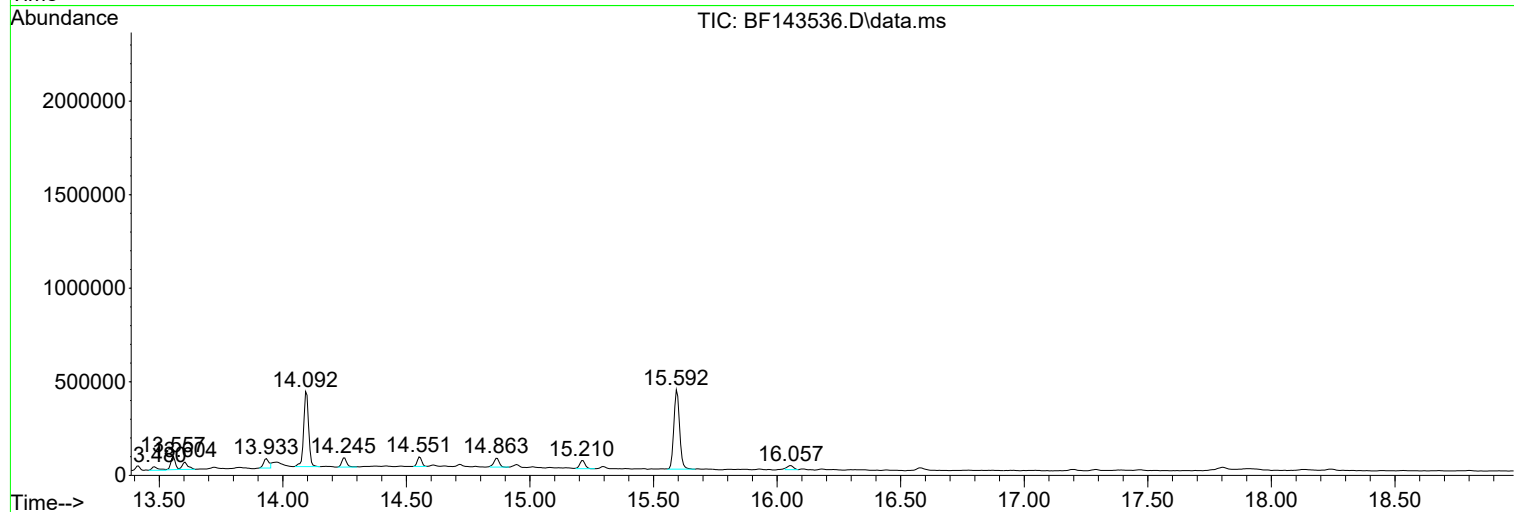
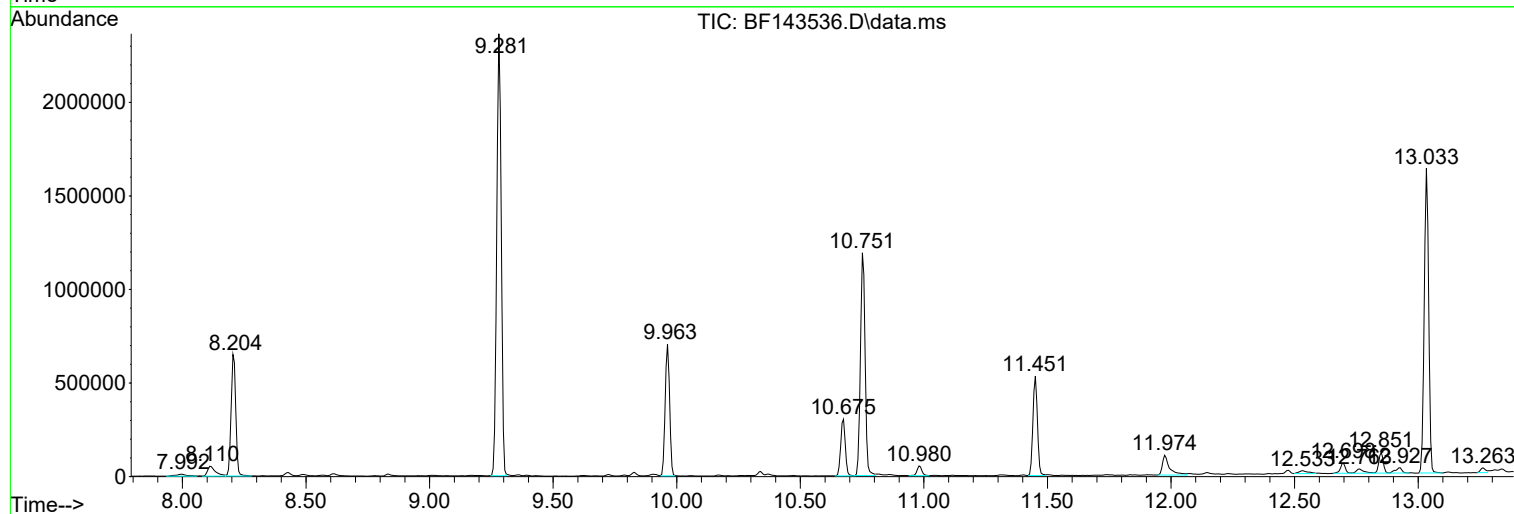
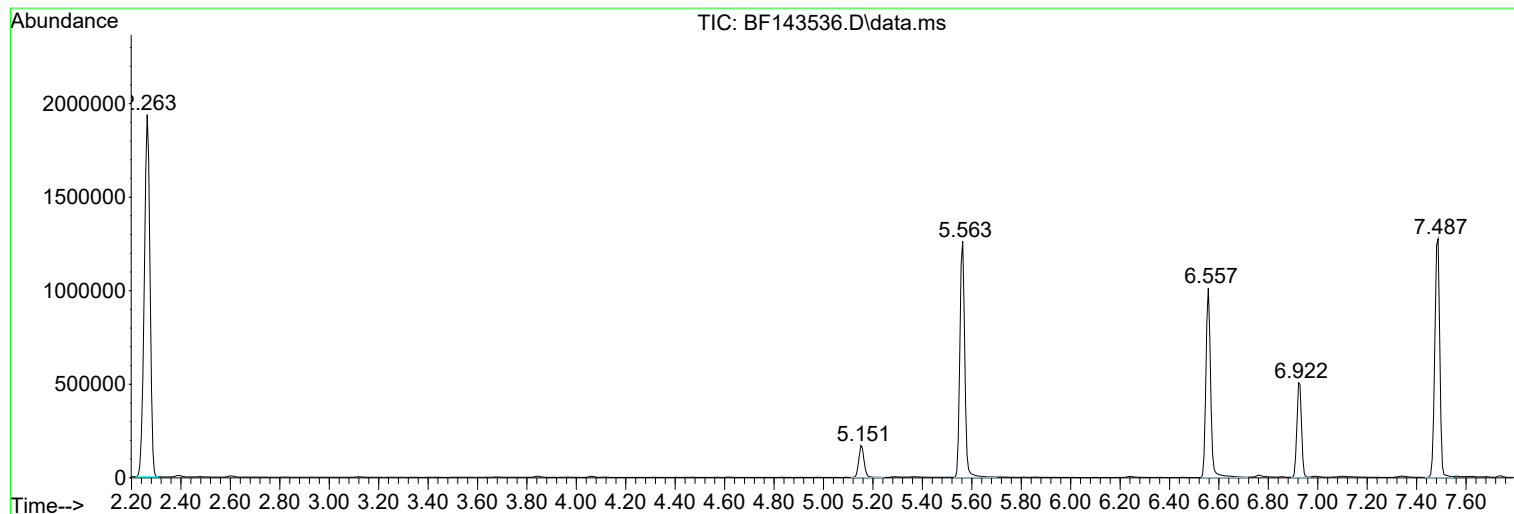
- 1
- 2
- 3
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- 16
- 17
- 18

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

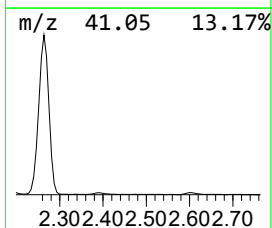
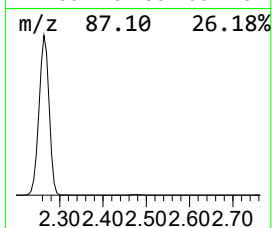
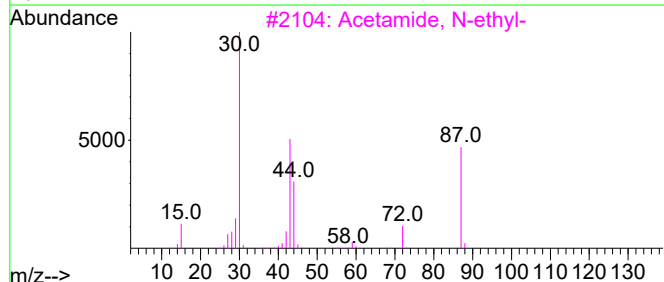
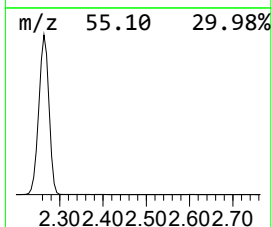
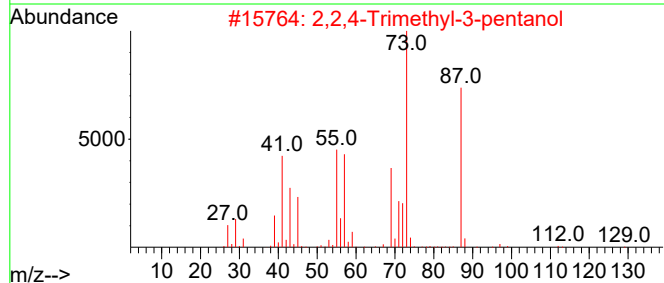
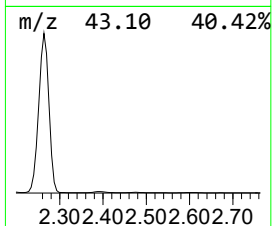
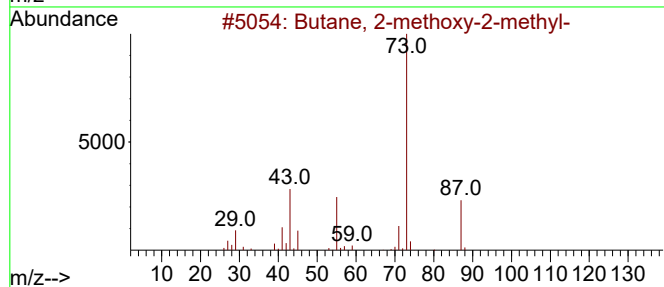
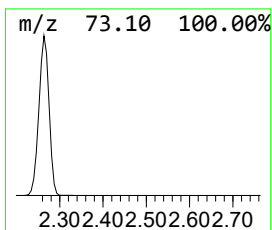
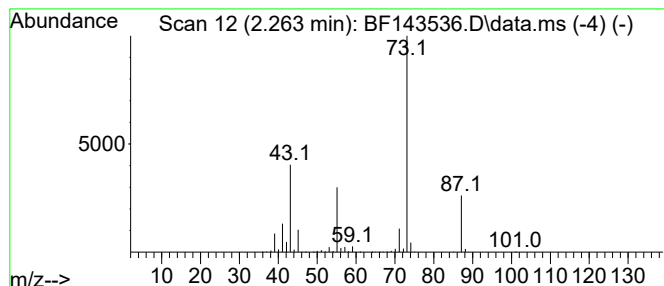
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	95.70 ng	3122480	1,4-Dichlorobenzene-d4	6.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

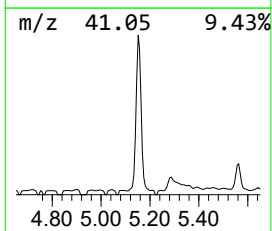
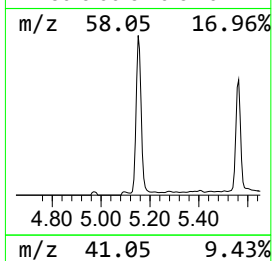
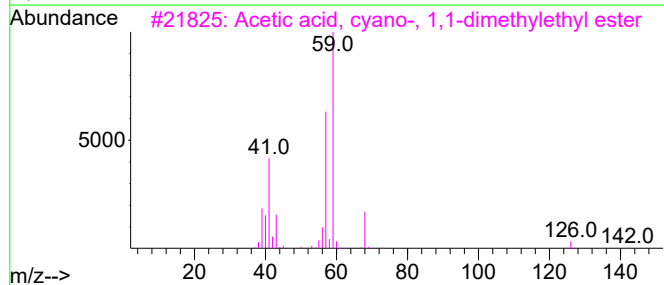
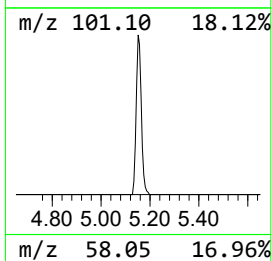
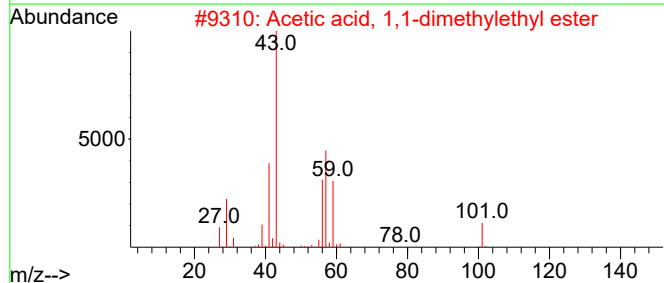
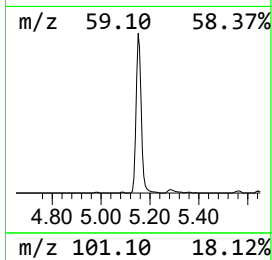
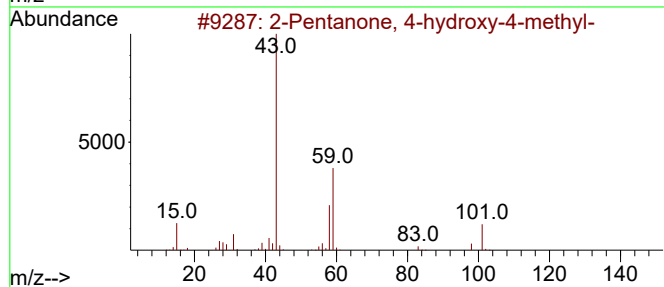
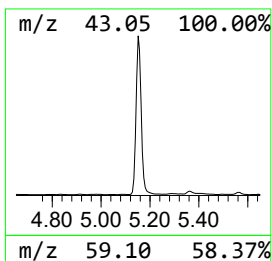
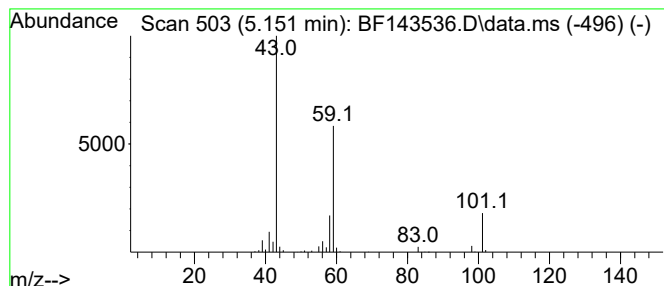
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.151	7.73 ng	252350	1,4-Dichlorobenzene-d4	6.928

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

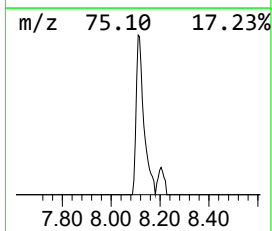
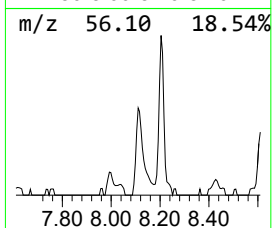
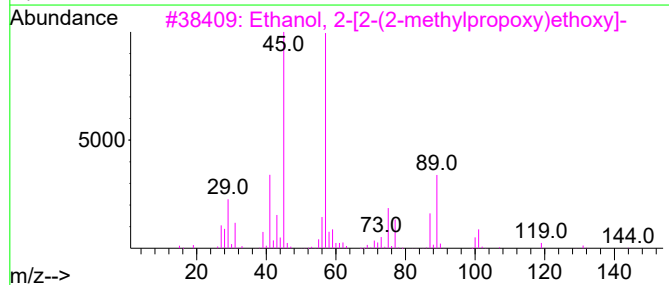
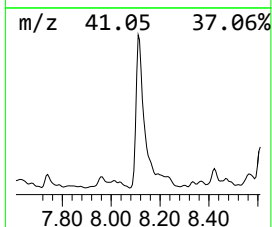
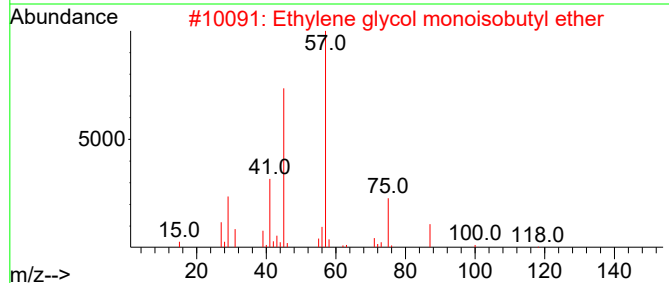
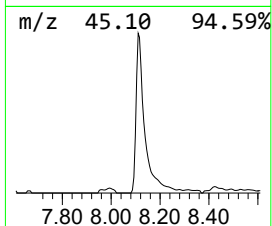
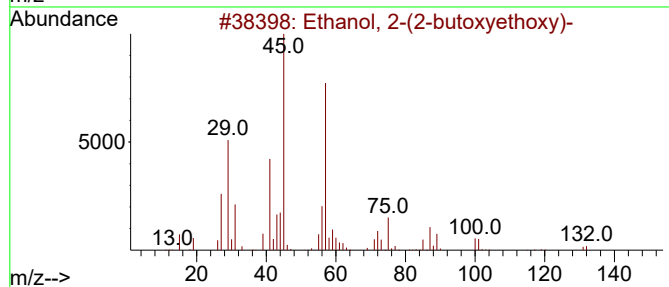
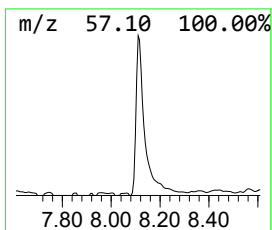
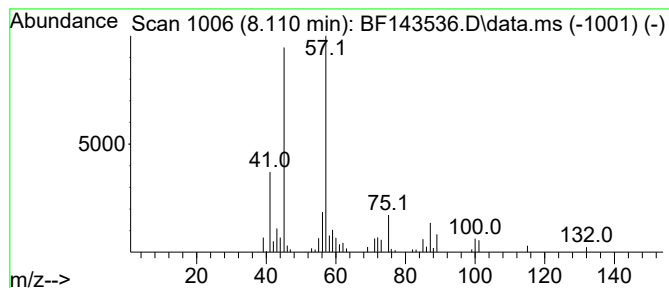
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.110	2.76 ng	116762	Naphthalene-d8	8.204

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2			Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
3			Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
4			Hexane, 1,2,3-trimethoxy-	176	C9H20O3	020637-29-0	50
5			Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

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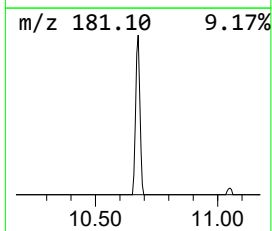
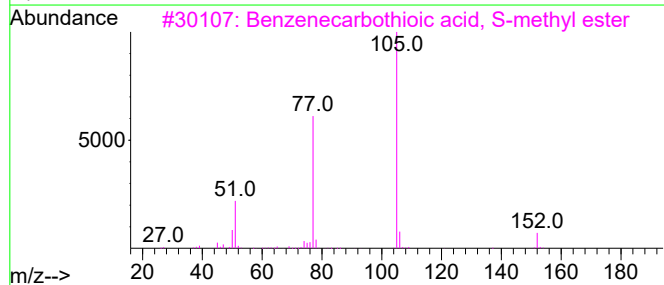
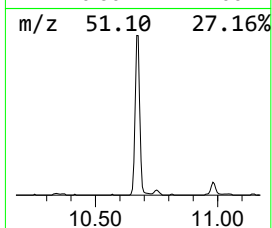
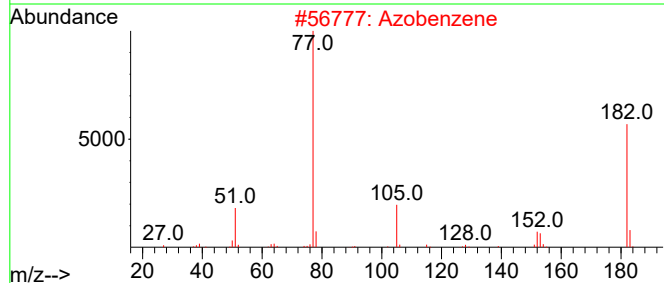
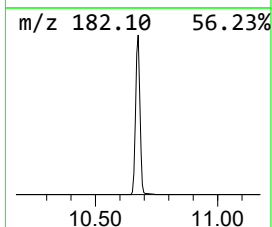
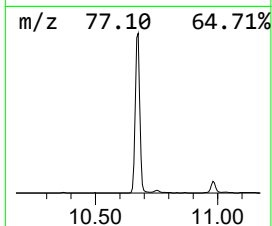
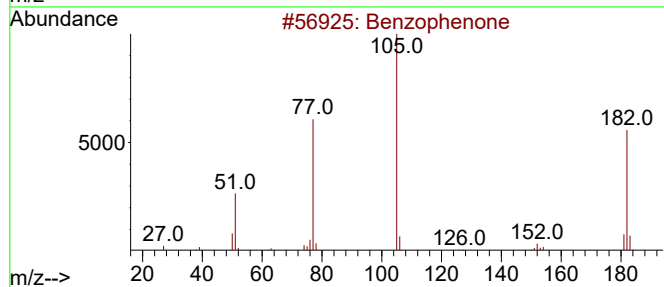
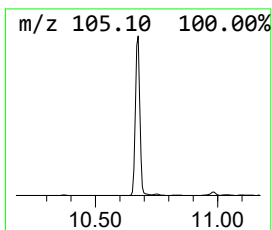
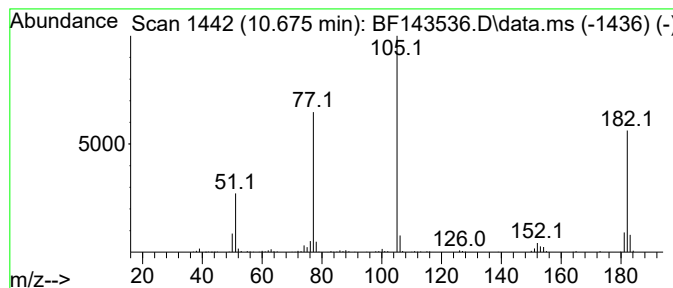
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	9.03 ng	389388	Acenaphthene-d10	9.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	64
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
5			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

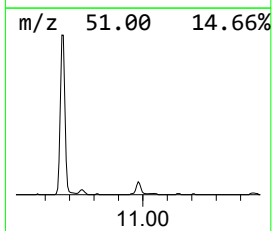
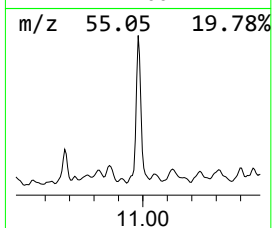
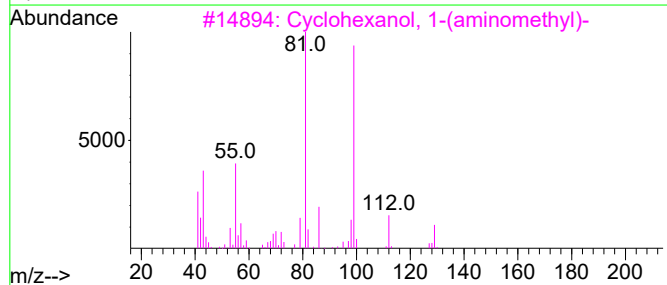
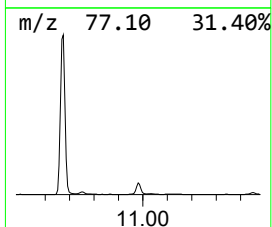
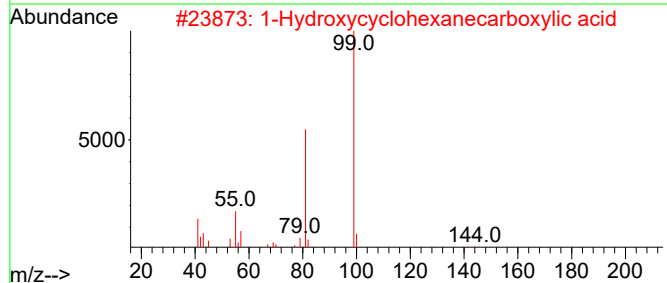
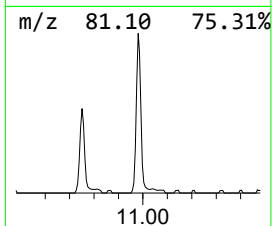
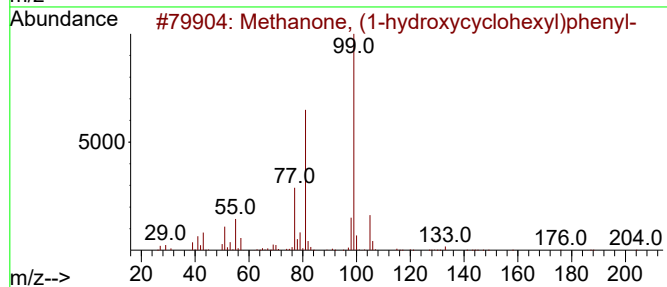
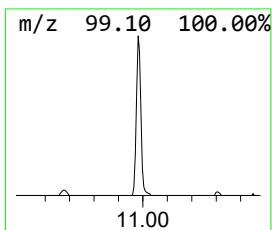
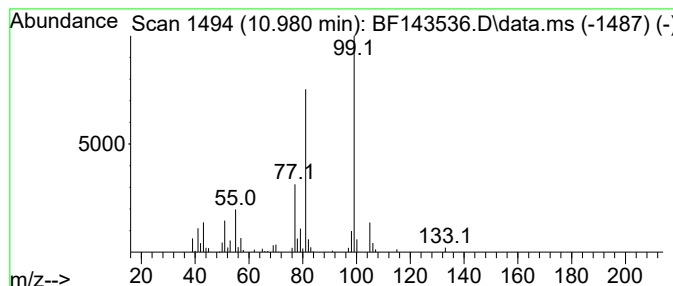
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Methanone, (1-hydroxycyclohexyl) Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD			R.T.
10.980	2.08 ng	70715	Phenanthrene-d10			11.451
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...		204	C13H16O2	000947-19-3	90
2	1-Hydroxycyclohexanecarboxylic acid		144	C7H12O3	001123-28-0	64
3	Cyclohexanol, 1-(aminomethyl)-		129	C7H15NO	004000-72-0	45
4	1,1'-Bicyclohexyl-1,1'-diol		198	C12H22O2	002888-11-1	45
5	3-Methylcyclohexyl methylphospho...		194	C8H16FO2P	113548-86-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

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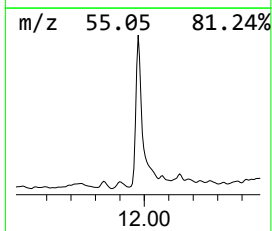
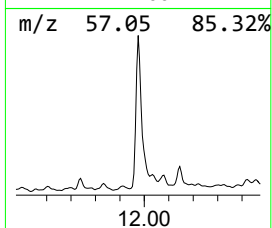
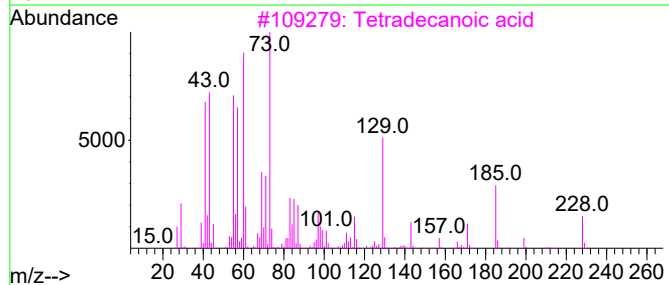
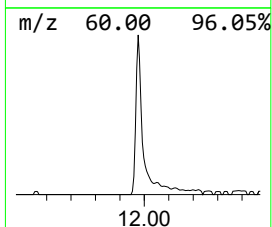
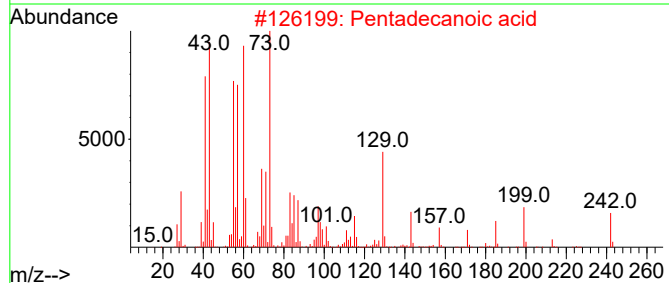
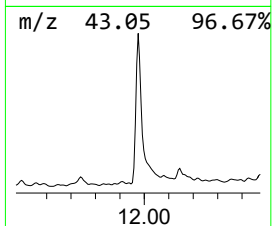
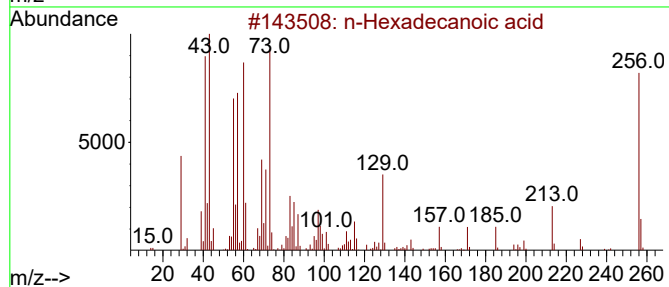
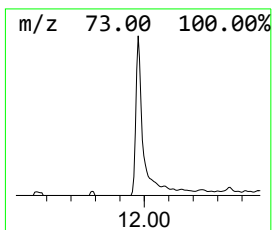
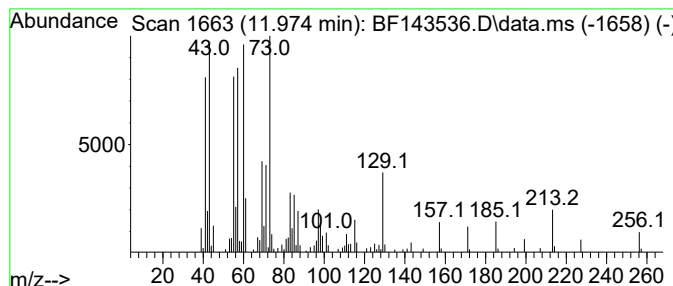
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	6.11 ng	207611	Phenanthrene-d10	11.451

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4		Tridecanoic acid	214	C13H26O2	000638-53-9	83
5		Undecanoic acid	186	C11H22O2	000112-37-8	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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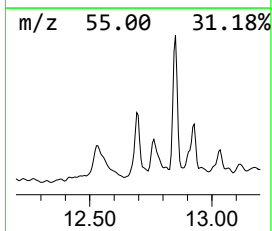
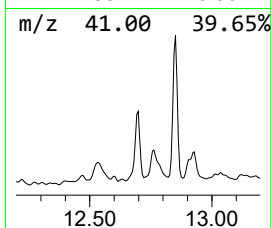
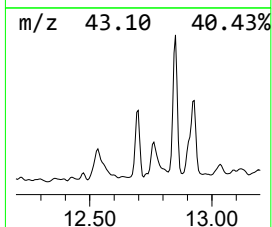
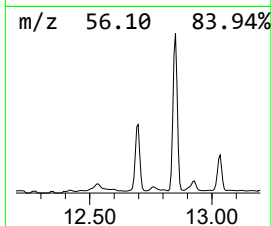
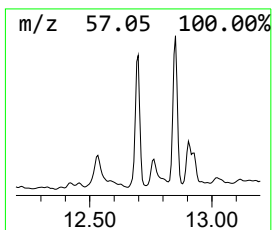
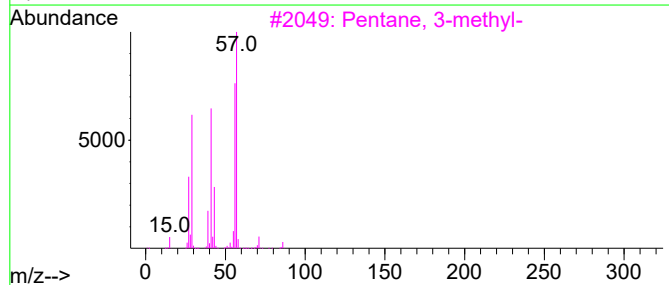
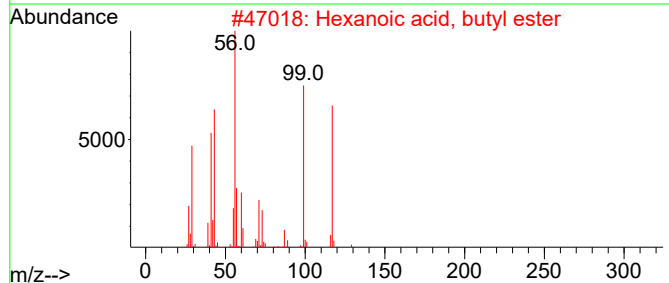
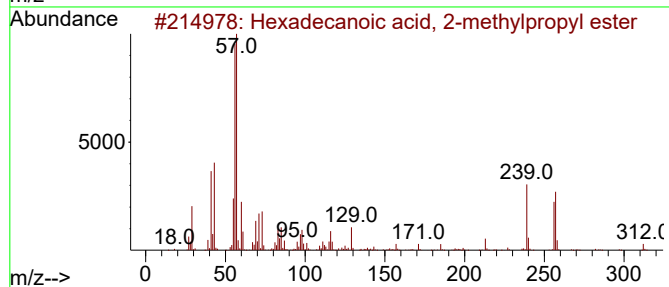
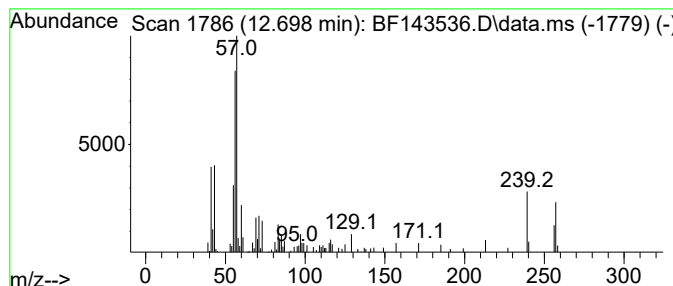
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecanoic acid, 2-methyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.698	2.25 ng	76238	Phenanthrene-d10	11.451	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	90
2	Hexanoic acid, butyl ester	172	C10H20O2	000626-82-4	43
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	43
4	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	38
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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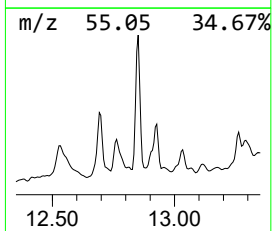
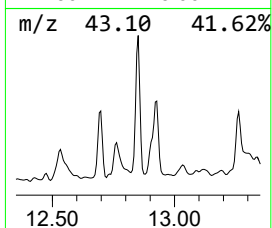
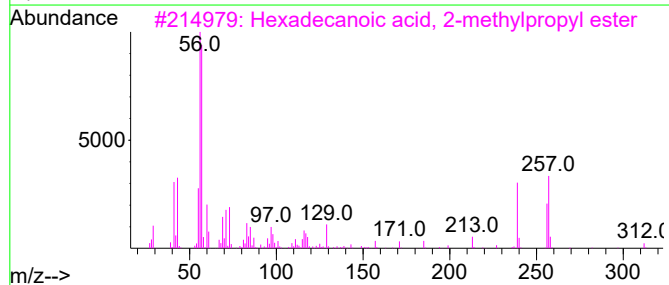
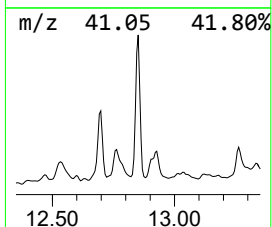
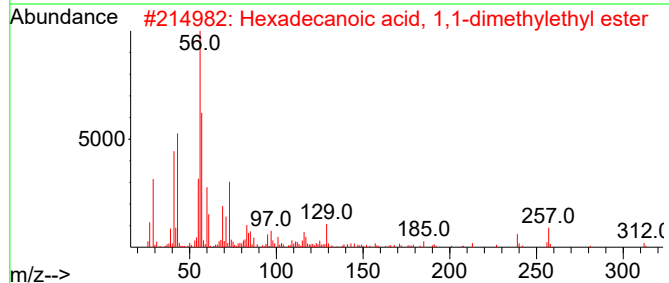
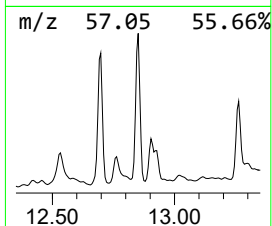
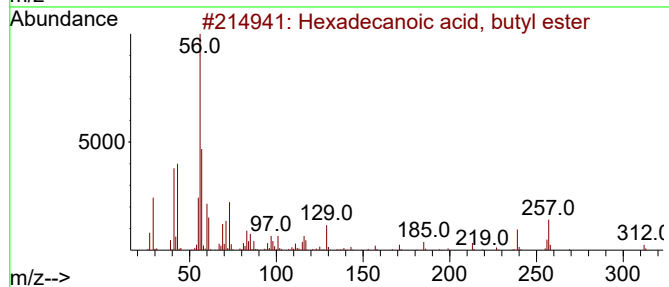
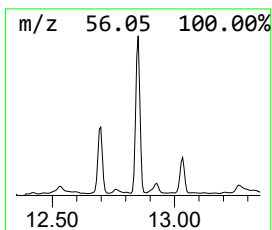
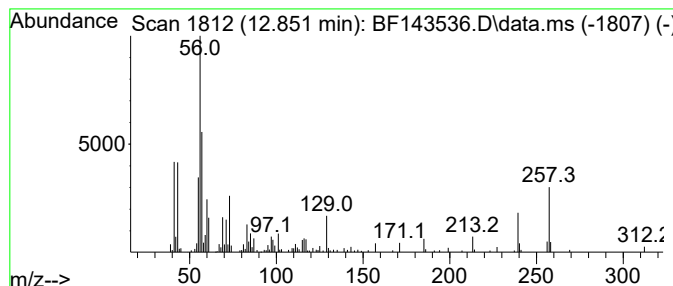
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexadecanoic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.851	4.99 ng	138371	Chrysene-d12	14.092

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	99
2			Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	93
3			Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	70
4			2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	35
5			4-Propylcyclohexylamine	141	C9H19N	102653-37-2	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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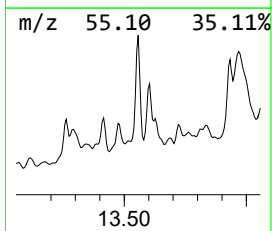
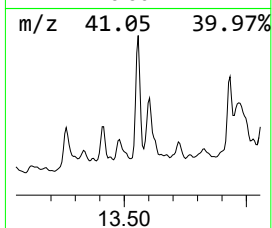
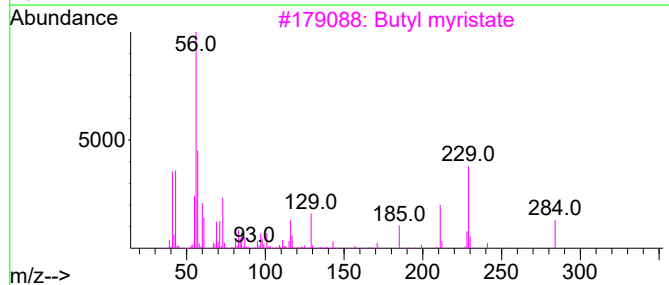
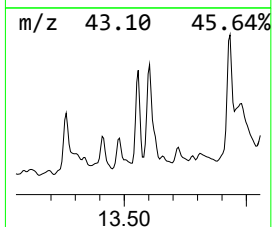
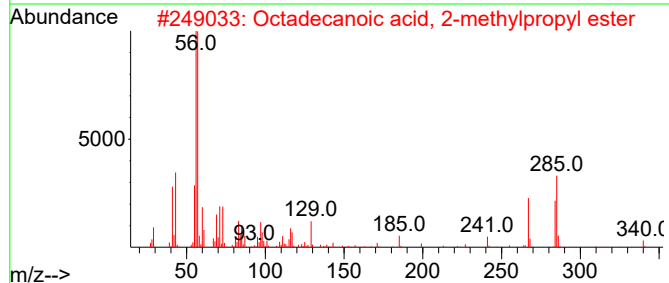
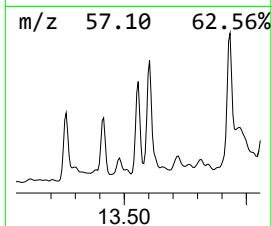
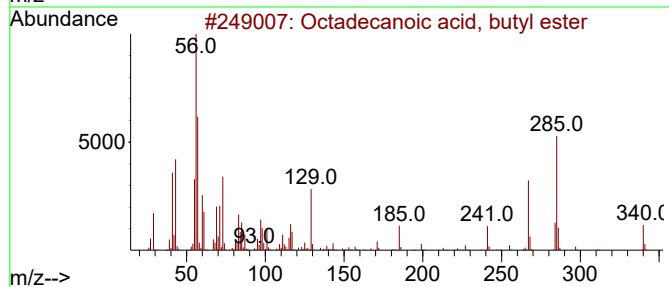
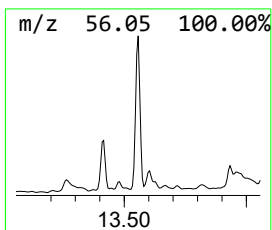
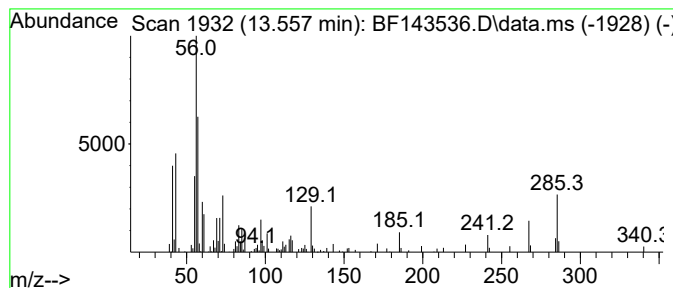
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecanoic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.557	3.22 ng	89455	Chrysene-d12	14.092

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	97
2			Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	89
3			Butyl myristate	284	C18H36O2	000110-36-1	53
4			Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	35
5			Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	32



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

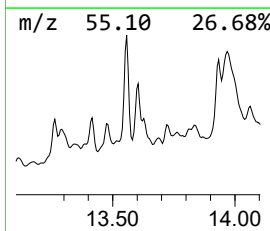
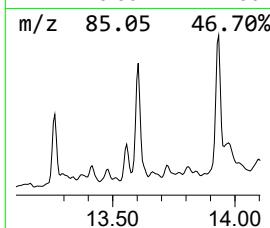
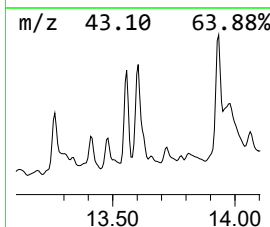
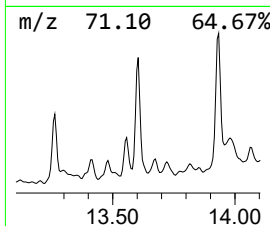
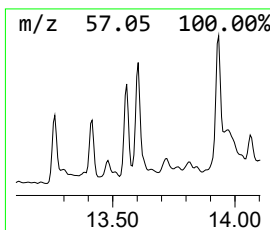
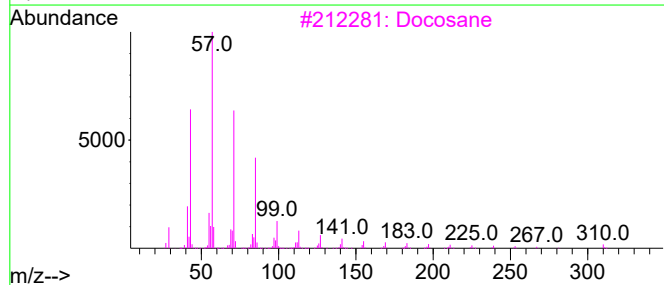
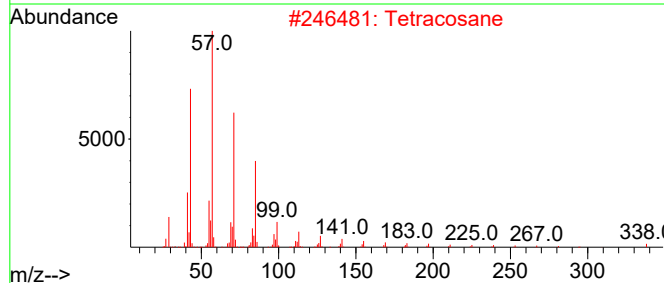
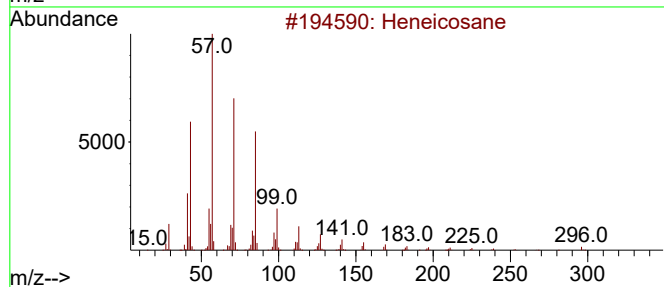
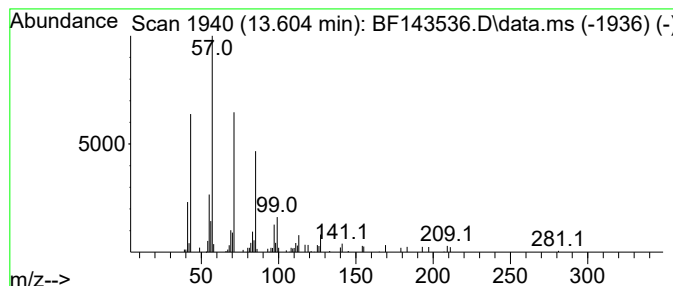
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.604	2.28 ng	63374	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane	296	C21H44	000629-94-7	87
2		Tetracosane	338	C24H50	000646-31-1	86
3		Docosane	310	C22H46	000629-97-0	86
4		Nonadecane	268	C19H40	000629-92-5	86
5		Heptadecane	240	C17H36	000629-78-7	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

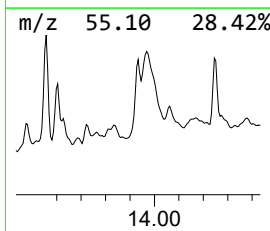
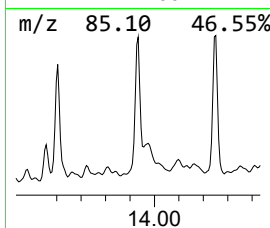
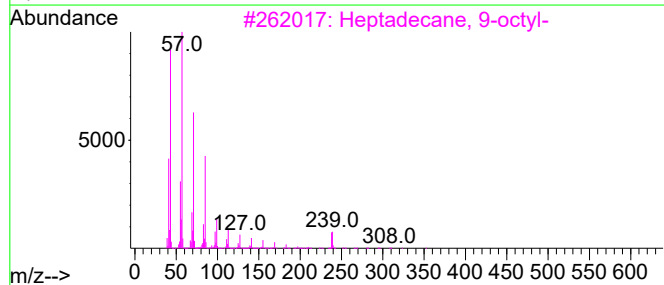
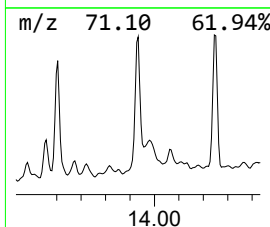
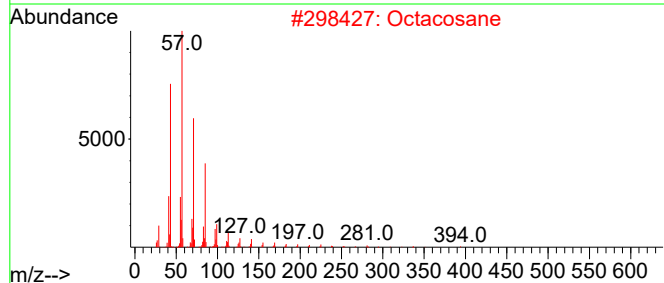
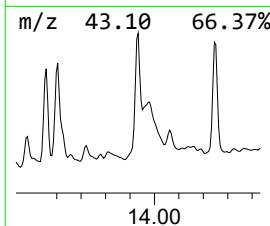
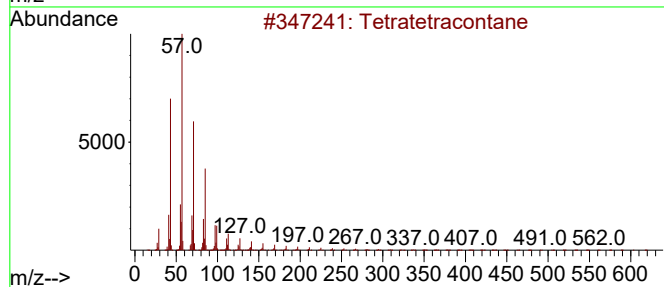
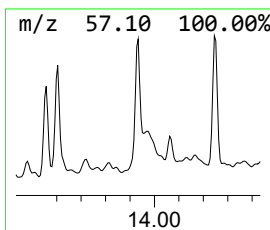
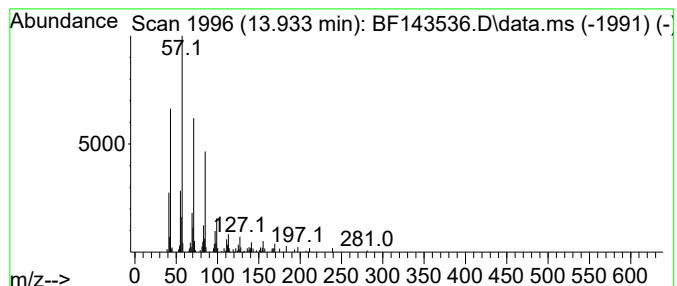
Instrument :
BNA_F
ClientSampleId :
TW-518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tetratetracontane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.933	2.90 ng	80346	Chrysene-d12		14.092	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tetratetracontane		619	C44H90	007098-22-8	91
2	Octacosane		394	C28H58	000630-02-4	91
3	Heptadecane, 9-octyl-		352	C25H52	007225-64-1	91
4	Octacosane, 2-methyl-		408	C29H60	001560-98-1	91
5	Triacosane		422	C30H62	000638-68-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

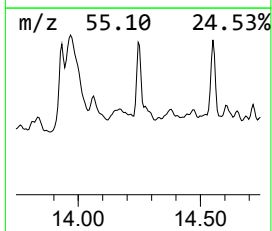
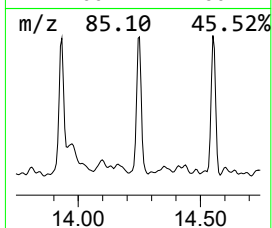
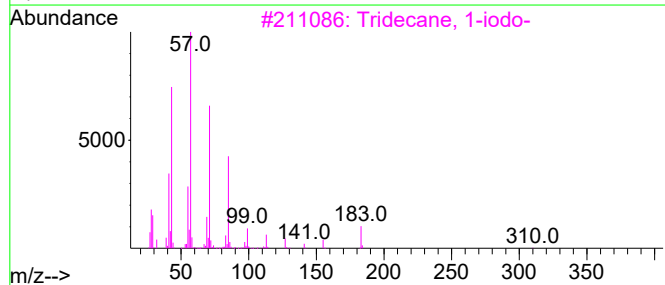
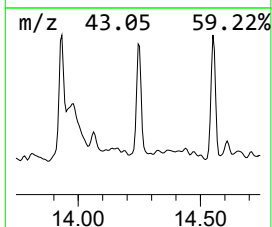
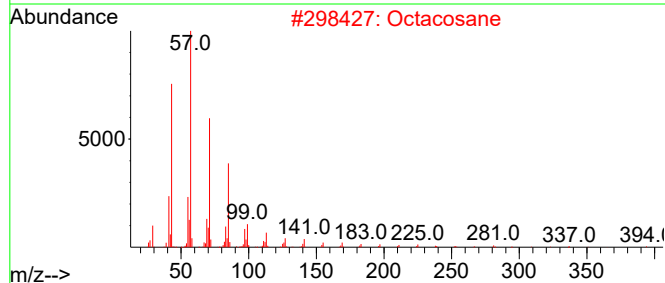
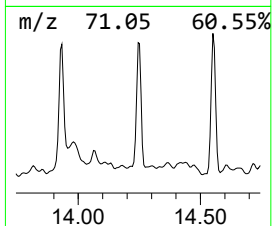
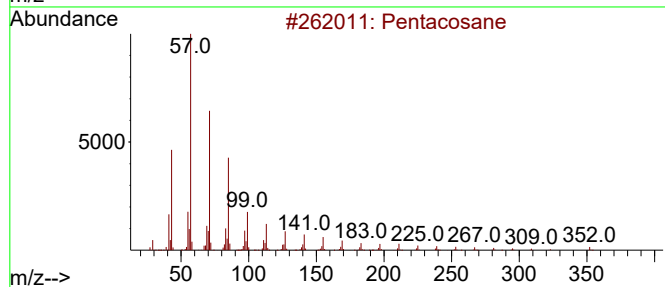
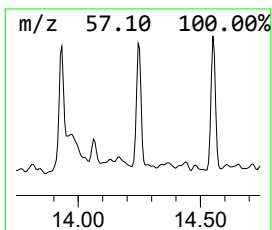
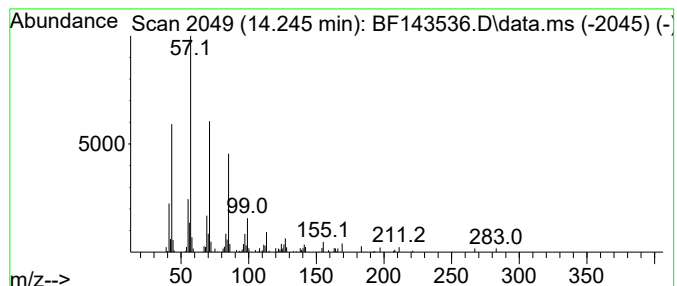
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pentacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.245	2.55 ng	70775	Chrysene-d12	14.092

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentacosane	352	C25H52	000629-99-2	91
2			Octacosane	394	C28H58	000630-02-4	91
3			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
4			Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	91
5			Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

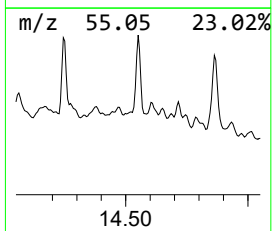
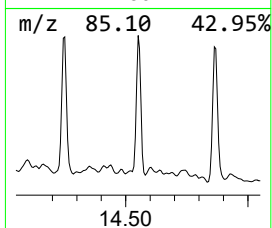
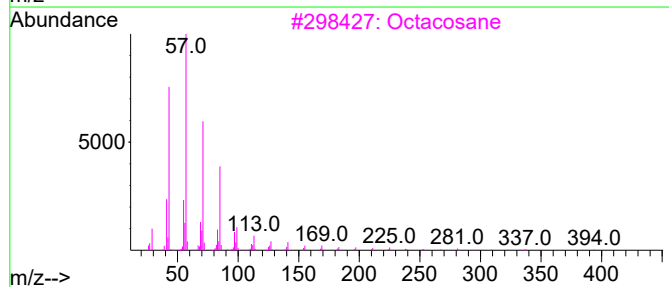
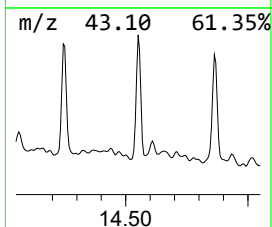
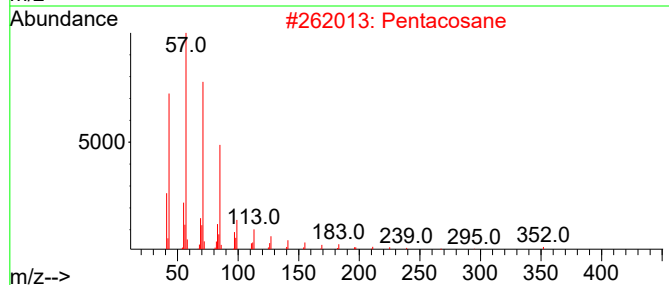
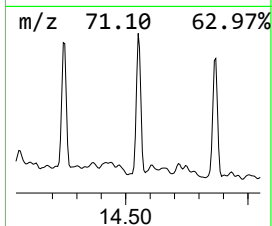
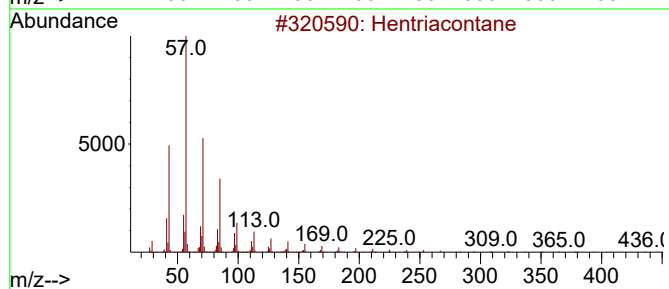
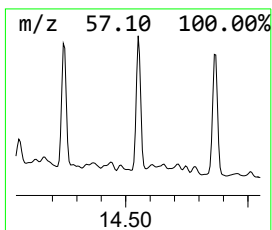
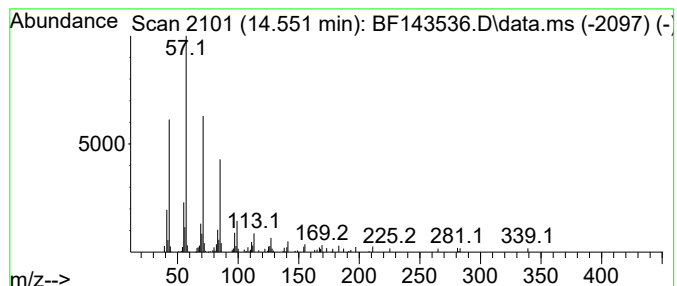
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hentriacontane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.551	2.33 ng	64735	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hentriacontane	437	C31H64	000630-04-6	91
2		Pentacosane	352	C25H52	000629-99-2	91
3		Octacosane	394	C28H58	000630-02-4	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

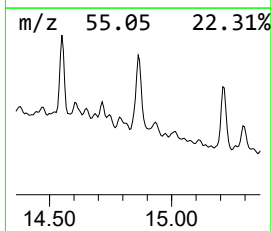
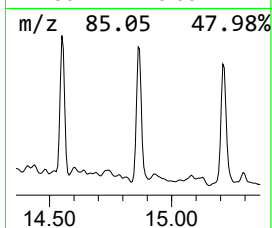
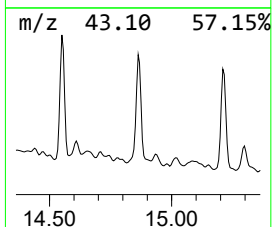
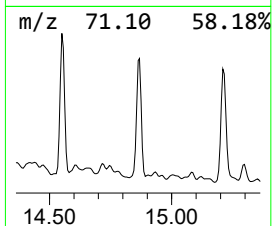
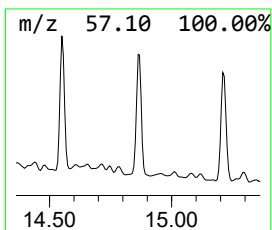
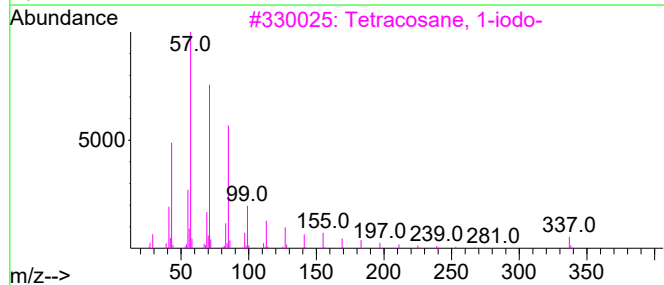
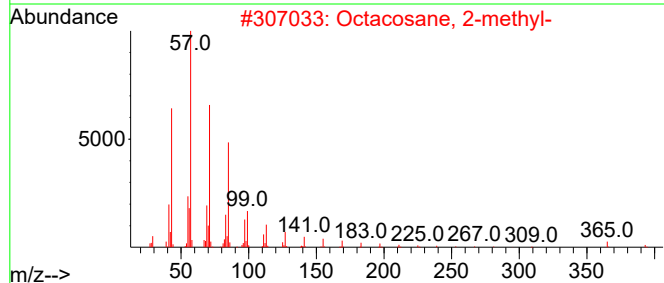
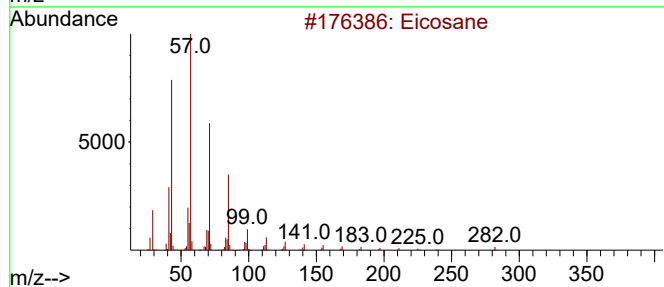
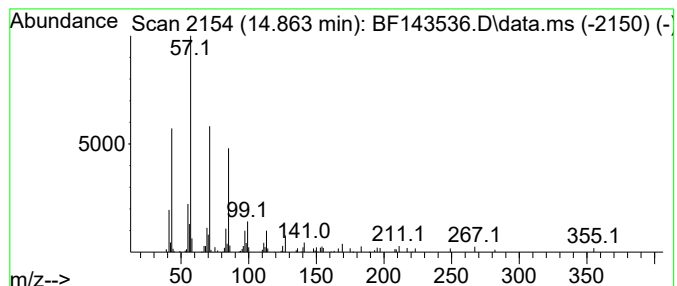
Instrument :
BNA_F
ClientSampleId :
TW-518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.863	2.10 ng	72247	Perylene-d12		15.592	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	94
2	Octacosane, 2-methyl-		408	C29H60	001560-98-1	90
3	Tetracosane, 1-iodo-		464	C24H49I	1000406-32-0	87
4	Docosane		310	C22H46	000629-97-0	86
5	2-Bromotetradecane		276	C14H29Br	074036-95-6	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143536.D
Acq On : 21 Aug 2025 18:05
Operator : RC/JU
Sample : Q2814-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.263	95.7	ng	3122480	1	6.928	652561	20.0
2-Pentanone, 4-...	5.151	7.7	ng	252350	1	6.928	652561	20.0
Ethanol, 2-(2-b...	8.110	2.8	ng	116762	2	8.204	846046	20.0
Benzophenone	10.675	9.0	ng	389388	3	9.963	862276	20.0
Methanone, (1-h...	10.980	2.1	ng	70715	4	11.451	679044	20.0
n-Hexadecanoic ...	11.975	6.1	ng	207611	4	11.451	679044	20.0
Hexadecanoic ac...	12.698	2.3	ng	76238	4	11.451	679044	20.0
Hexadecanoic ac...	12.851	5.0	ng	138371	5	14.092	554883	20.0
Octadecanoic ac...	13.557	3.2	ng	89455	5	14.092	554883	20.0
Heneicosane	13.604	2.3	ng	63374	5	14.092	554883	20.0
Tetratetracontane	13.933	2.9	ng	80346	5	14.092	554883	20.0
Pentacosane	14.245	2.5	ng	70775	5	14.092	554883	20.0
Hentriacontane	14.551	2.3	ng	64735	5	14.092	554883	20.0
Eicosane	14.863	2.1	ng	72247	6	15.592	688115	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-20	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025427.D	1	08/12/25 09:55	08/15/25 14:49	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-20	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025427.D	1	08/12/25 09:55	08/15/25 14:49	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-20	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025427.D	1	08/12/25 09:55	08/15/25 14:49	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	93.3		19 - 119	62%	SPK: 150
13127-88-3	Phenol-d6	73.1		10 - 130	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.8		44 - 120	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.2		44 - 119	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		43 - 140	97%	SPK: 150
1718-51-0	Terphenyl-d14	84.5		50 - 134	85%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	131000	7.79
1146-65-2	Naphthalene-d8	536000	10.555
15067-26-2	Acenaphthene-d10	359000	14.396
1517-22-2	Phenanthrene-d10	752000	17.195
1719-03-5	Chrysene-d12	813000	21.63
1520-96-3	Perylene-d12	900000	24.995

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	76.3	JB	3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.30	AB	4.94	ug/L
000134-62-3	Diethyltoluamide	2.10	J	15.1	ug/L
000119-61-9	Benzophenone	7.30	J	15.8	ug/L
000057-10-3	n-Hexadecanoic acid	5.20	J	18.1	ug/L
074685-33-9	3-Eicosene, (E)-	3.00	J	21.3	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-20	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025427.D	1	08/12/25 09:55	08/15/25 14:49	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-W

Quant Time: Aug 15 15:28:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	131204	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	536271	20.000	ng	0.00
39) Acenaphthene-d10	14.396	164	359414	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	752275	20.000	ng	0.00
76) Chrysene-d12	21.630	240	812653	20.000	ng	-0.02
86) Perylene-d12	24.995	264	899631	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	737420	93.338	ng	0.00
7) Phenol-d6	6.961	99	740858	73.141	ng	0.00
23) Nitrobenzene-d5	8.925	82	941691	88.828	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	702799	145.274	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2134837	81.178	ng	0.00
79) Terphenyl-d14	19.919	244	3754282	84.522	ng	0.00

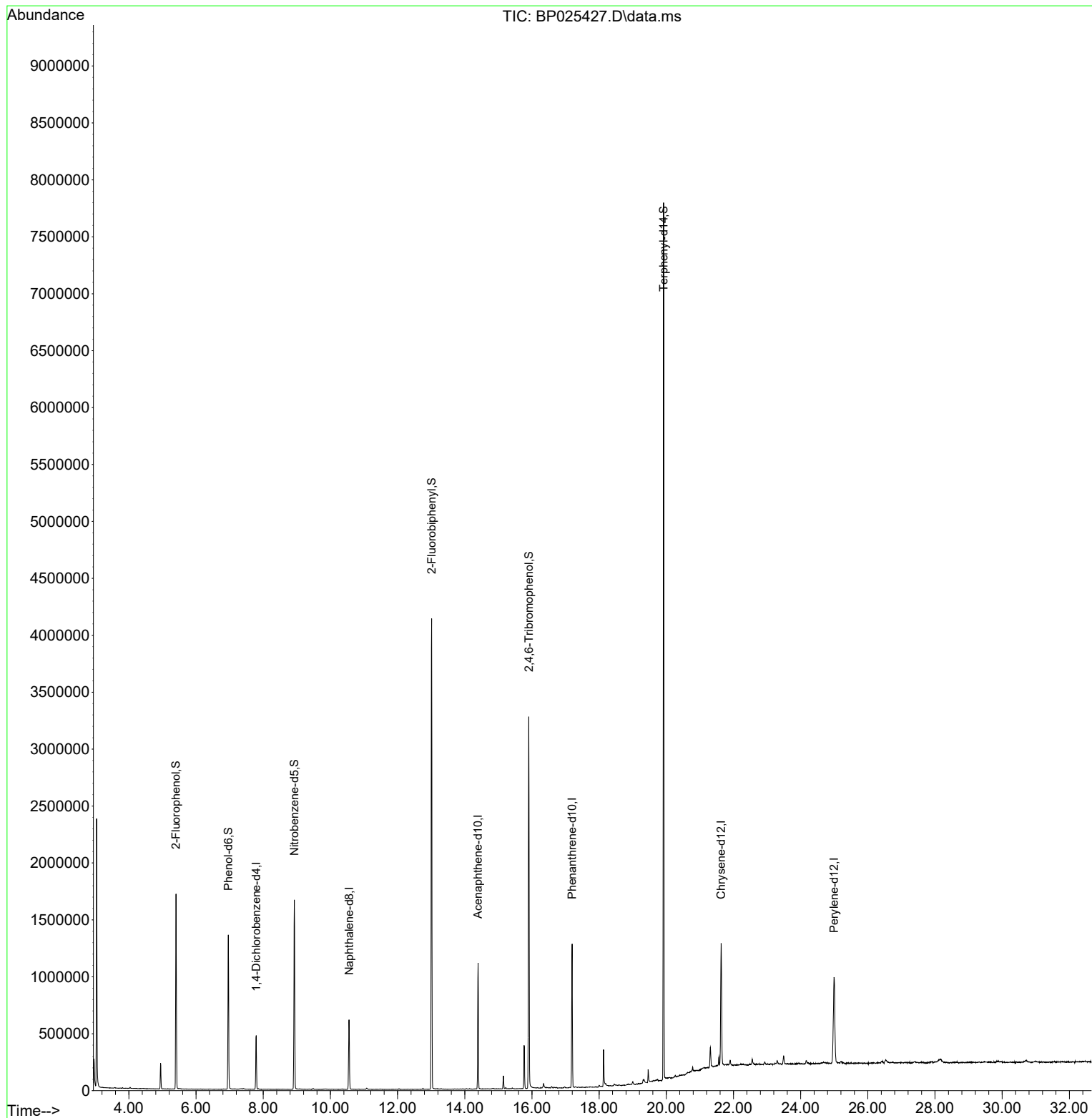
Target Compounds	Qvalue
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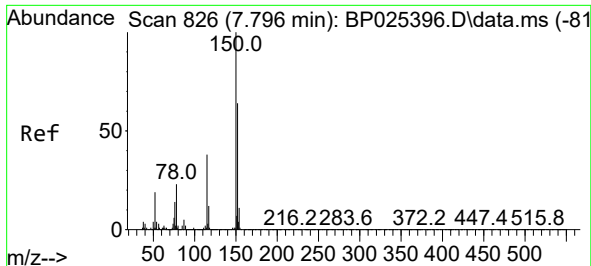
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-W

Quant Time: Aug 15 15:28:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

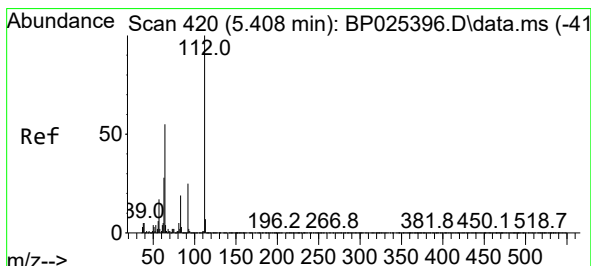
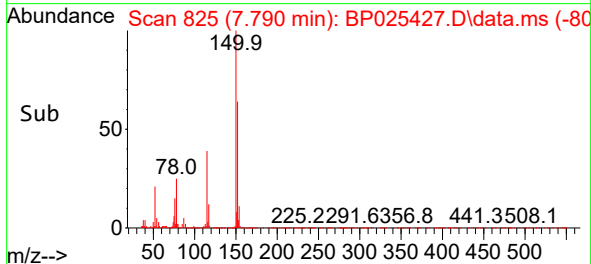
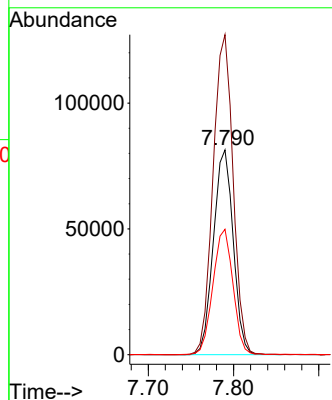
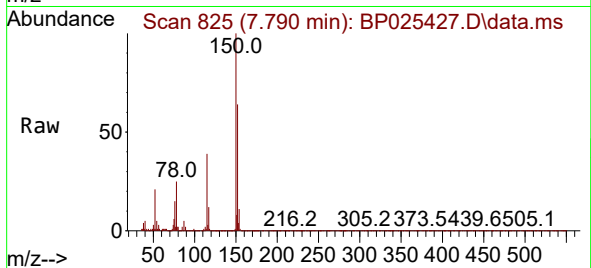




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025427.D
Acq: 15 Aug 2025 14:49

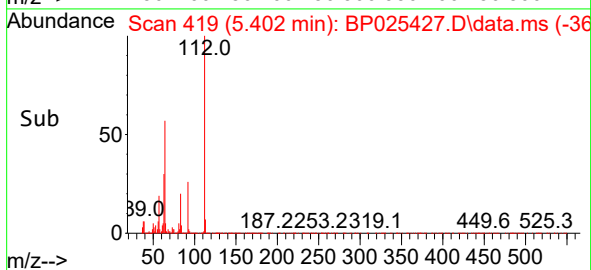
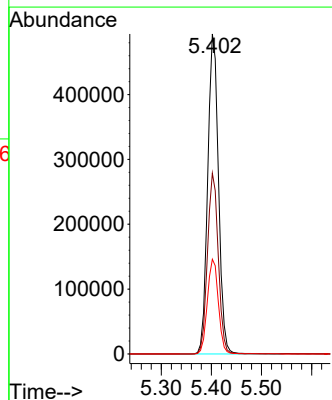
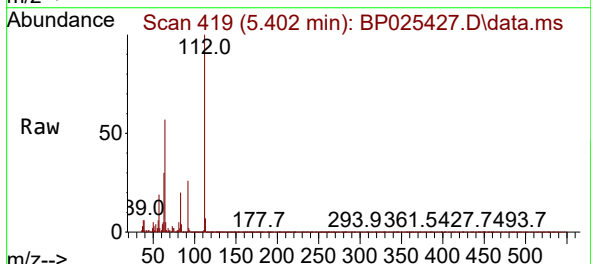
Instrument :
BNA_P
ClientSampleId :
TW-518R-W

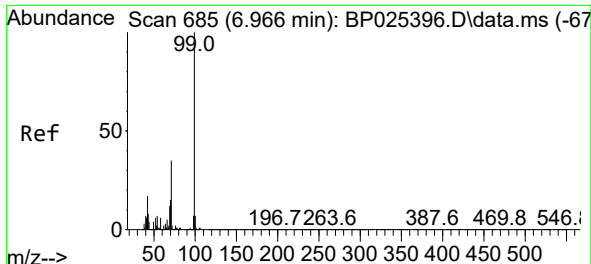
Tgt Ion:152 Resp: 131204
Ion Ratio Lower Upper
152 100
150 156.2 125.9 188.9
115 61.3 48.5 72.7



#5
2-Fluorophenol
Concen: 93.338 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025427.D
Acq: 15 Aug 2025 14:49

Tgt Ion:112 Resp: 737420
Ion Ratio Lower Upper
112 100
64 56.5 43.8 65.8
63 29.6 22.7 34.1

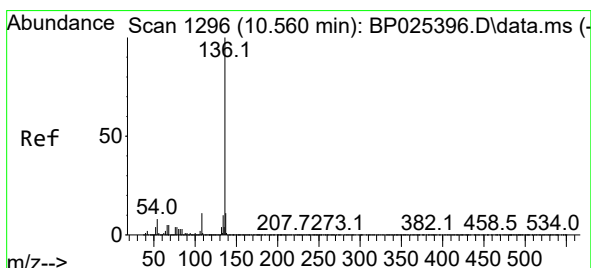
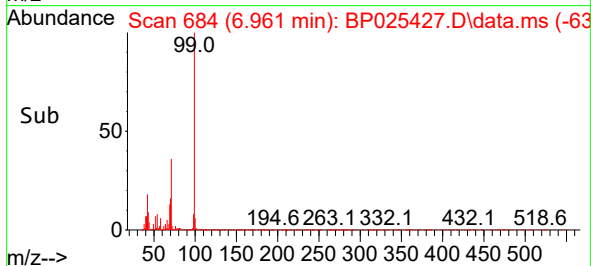
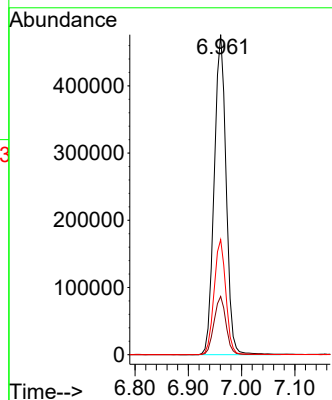
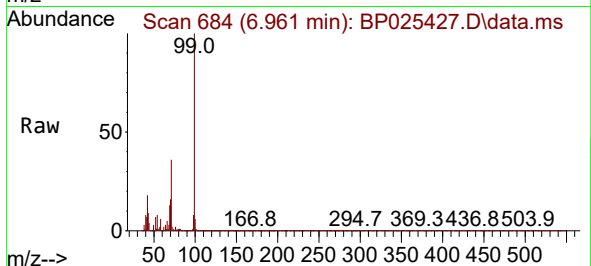




#7
Phenol-d6
Concen: 73.141 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025427.D
Acq: 15 Aug 2025 14:49

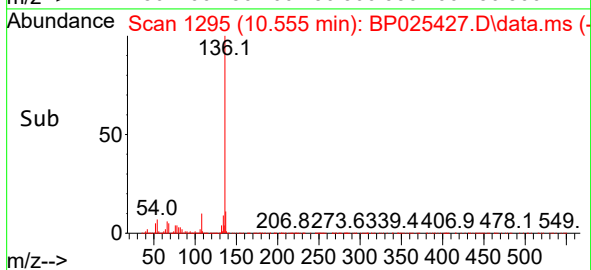
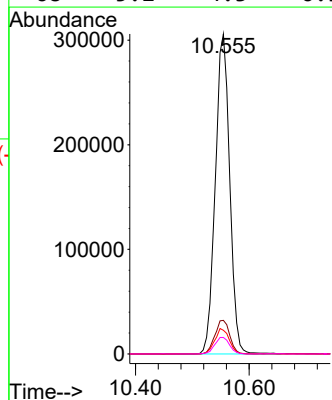
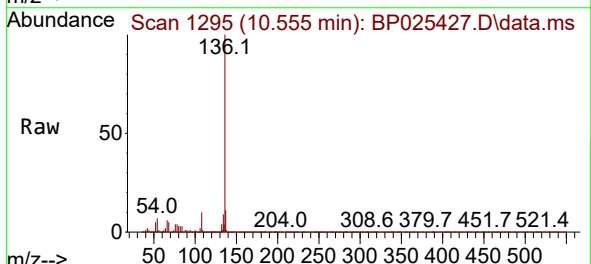
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ClientSampleId :
TW-518R-W

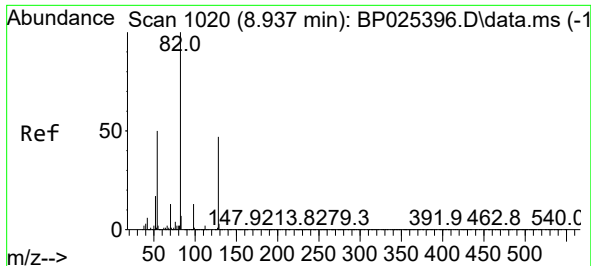
Tgt Ion: 99 Resp: 740858
Ion Ratio Lower Upper
99 100
42 18.2 13.7 20.5
71 35.9 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025427.D
Acq: 15 Aug 2025 14:49

Tgt Ion: 136 Resp: 536271
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 7.4 6.0 9.0
68 5.2 4.3 6.5

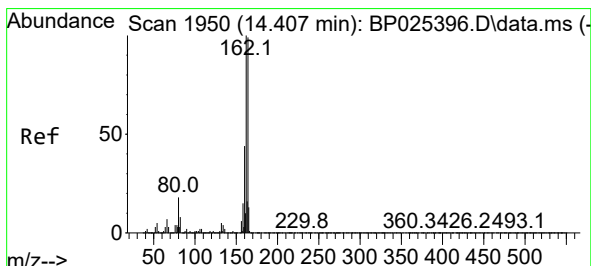
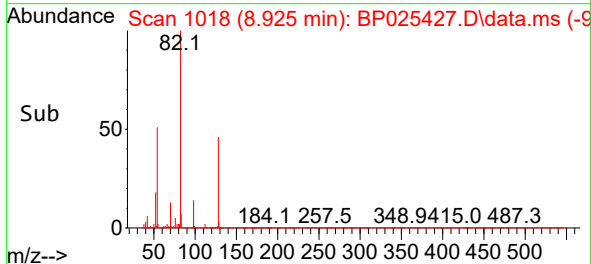
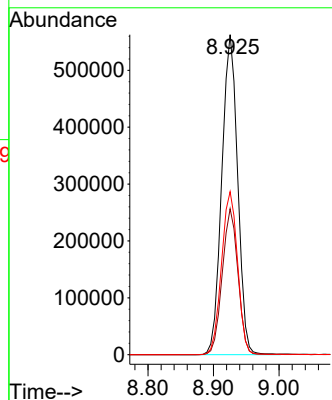
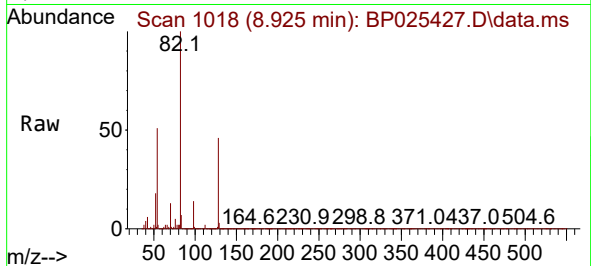




#23
Nitrobenzene-d5
Concen: 88.828 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025427.D
Acq: 15 Aug 2025 14:49

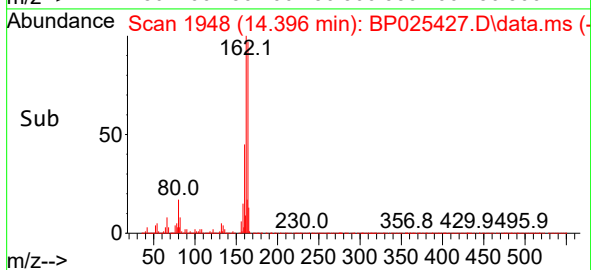
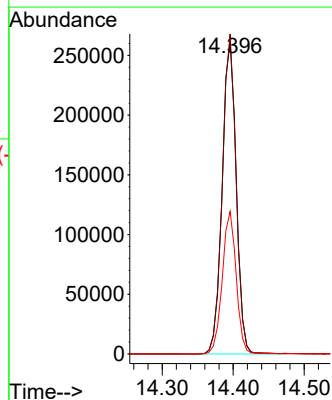
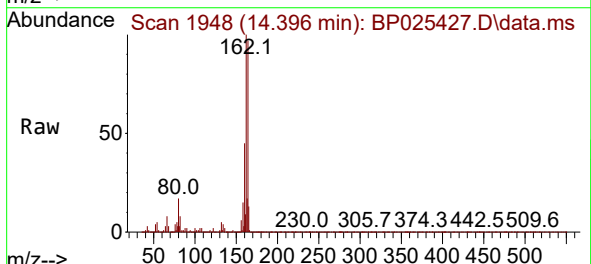
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ClientSampleId :
TW-518R-W

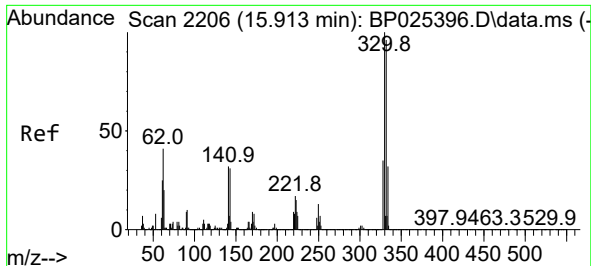
Tgt Ion: 82 Resp: 941691
Ion Ratio Lower Upper
82 100
128 45.6 37.7 56.5
54 50.9 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025427.D
Acq: 15 Aug 2025 14:49

Tgt Ion: 164 Resp: 359414
Ion Ratio Lower Upper
164 100
162 102.7 81.0 121.6
160 45.7 35.4 53.2

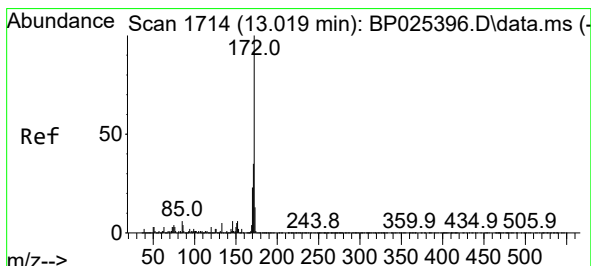
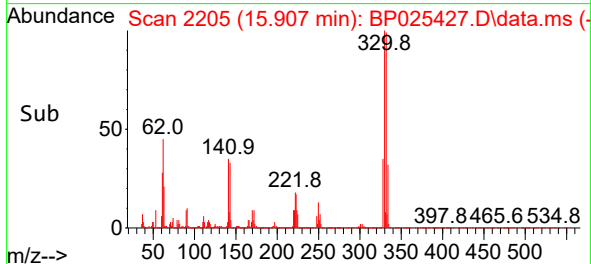
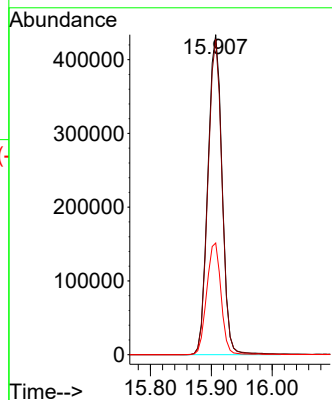
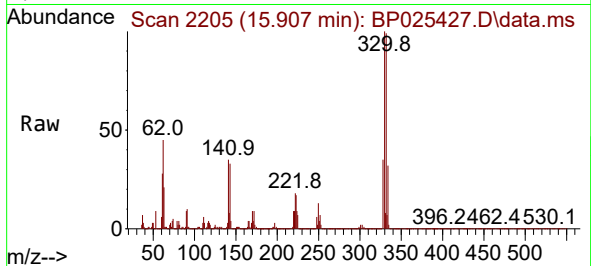




#42
2,4,6-Tribromophenol
Concen: 145.274 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025427.D
Acq: 15 Aug 2025 14:49

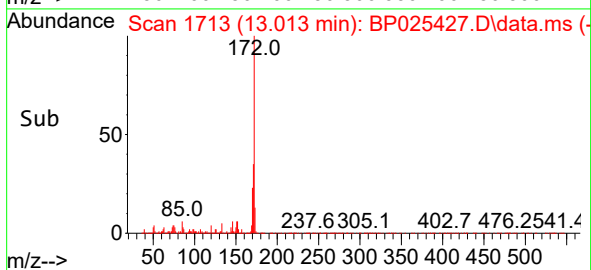
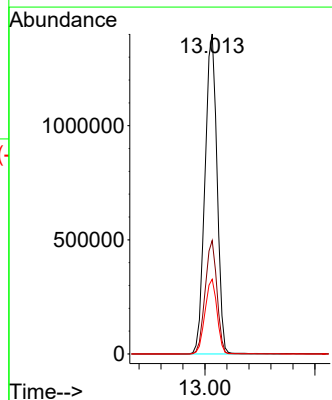
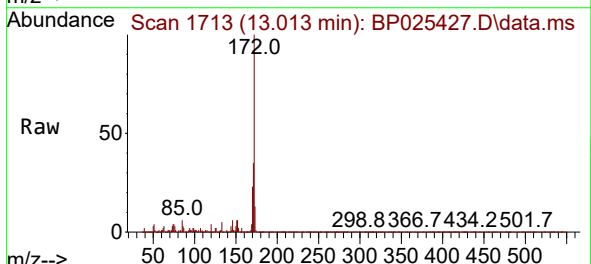
Instrument :
BNA_P
ClientSampleId :
TW-518R-W

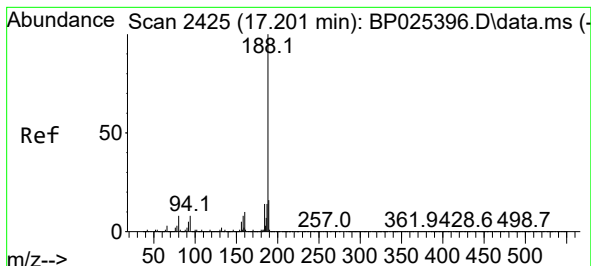
Tgt Ion:330 Resp: 702799
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 35.2 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 81.178 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025427.D
Acq: 15 Aug 2025 14:49

Tgt Ion:172 Resp: 2134837
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.3 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP025427.D

Acq: 15 Aug 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TW-518R-W

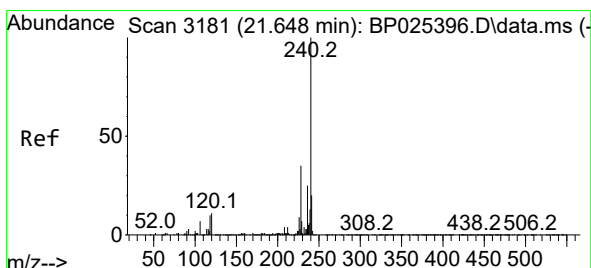
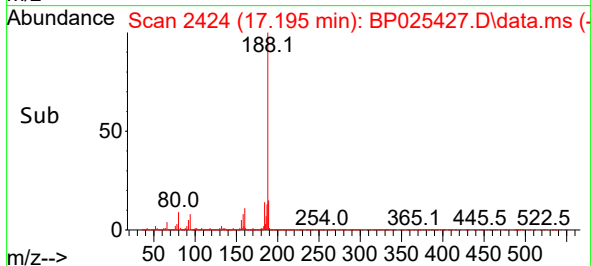
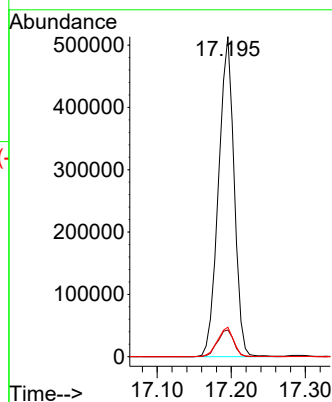
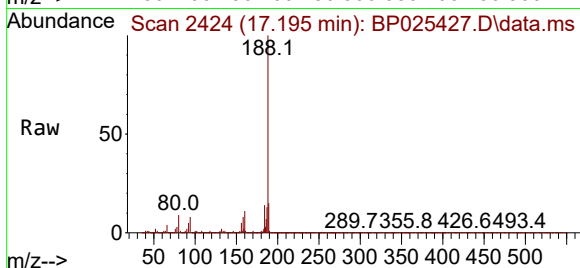
Tgt Ion:188 Resp: 752275

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 9.2 6.7 10.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 3178

Delta R.T. -0.017 min

Lab File: BP025427.D

Acq: 15 Aug 2025 14:49

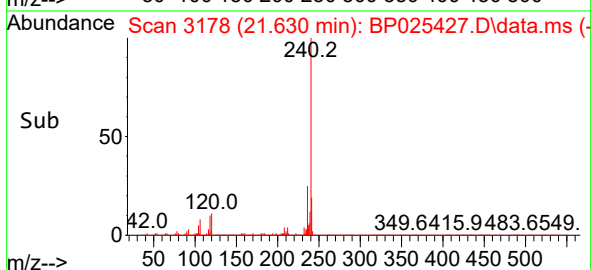
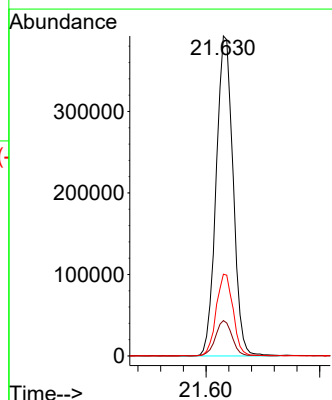
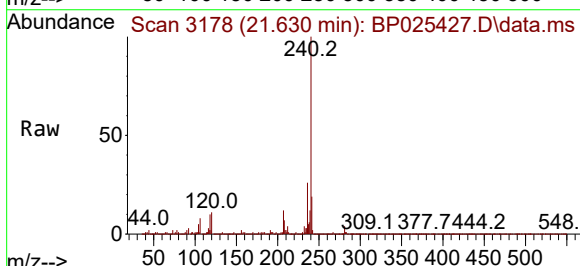
Tgt Ion:240 Resp: 812653

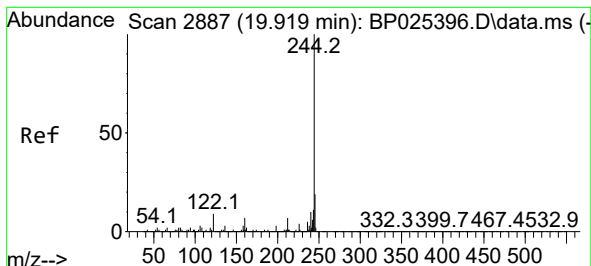
Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 25.5 19.8 29.8





#79

Terphenyl-d14

Concen: 84.522 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025427.D

Acq: 15 Aug 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TW-518R-W

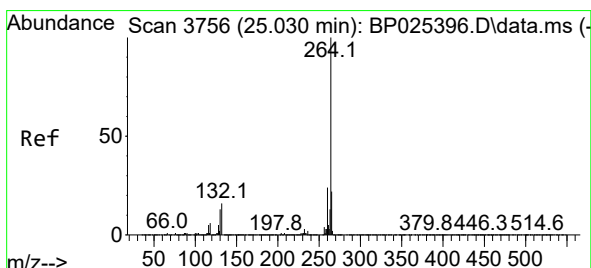
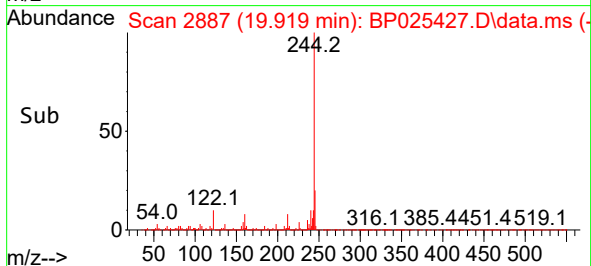
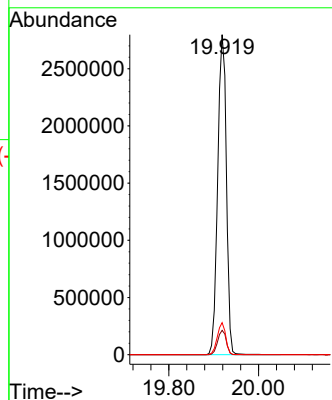
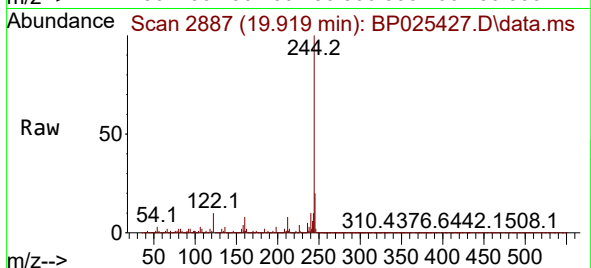
Tgt Ion:244 Resp: 3754282

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 10.0 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 3750

Delta R.T. -0.035 min

Lab File: BP025427.D

Acq: 15 Aug 2025 14:49

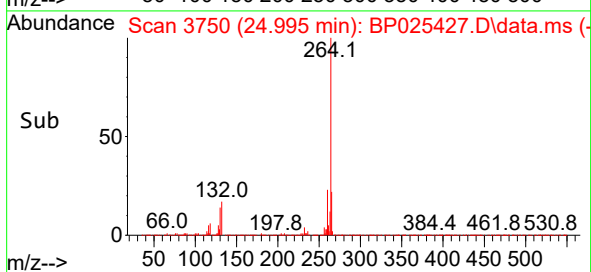
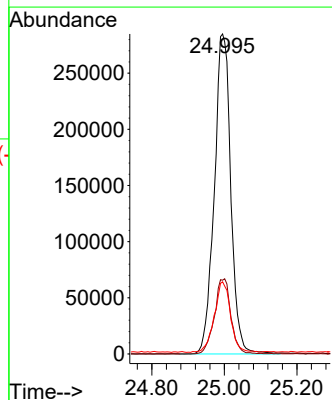
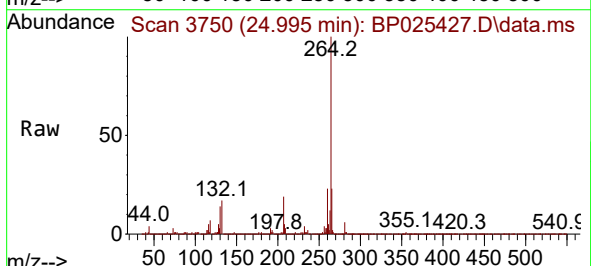
Tgt Ion:264 Resp: 899631

Ion Ratio Lower Upper

264 100

260 23.1 19.3 28.9

265 22.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025427.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	13	17	39	rVB	2360809	2951656	28.91%	6.695%
2	4.943	333	341	348	rBV	227155	322036	3.15%	0.730%
3	5.402	413	419	430	rBV	1712608	2547133	24.95%	5.778%
4	6.961	677	684	703	rBV	1354694	2114403	20.71%	4.796%
5	7.790	817	825	832	rBV	470953	773982	7.58%	1.756%
6	8.925	1006	1018	1027	rBV	1664114	2800426	27.43%	6.352%
7	10.555	1285	1295	1307	rBV	612515	1100051	10.78%	2.495%
8	13.013	1705	1713	1724	rBV	4133745	6254300	61.26%	14.187%
9	14.396	1941	1948	1956	rBV	1107416	1519313	14.88%	3.446%
10	15.148	2071	2076	2083	rBV	115044	159464	1.56%	0.362%
11	15.766	2175	2181	2190	rVB	380156	552426	5.41%	1.253%
12	15.907	2197	2205	2225	rBV	3264870	5437844	53.27%	12.335%
13	17.195	2417	2424	2435	rVB2	1260797	1868901	18.31%	4.239%
14	18.131	2579	2583	2592	rBV	325408	487760	4.78%	1.106%
15	19.460	2805	2809	2817	rBV2	115770	172269	1.69%	0.391%
16	19.919	2881	2887	2892	rBV	7704740	10208878	100.00%	23.157%
17	21.313	3119	3124	3134	rBV3	173310	327489	3.21%	0.743%
18	21.630	3171	3178	3186	rBV2	1068013	2192288	21.47%	4.973%
19	24.995	3740	3750	3763	rVB2	748251	2294673	22.48%	5.205%

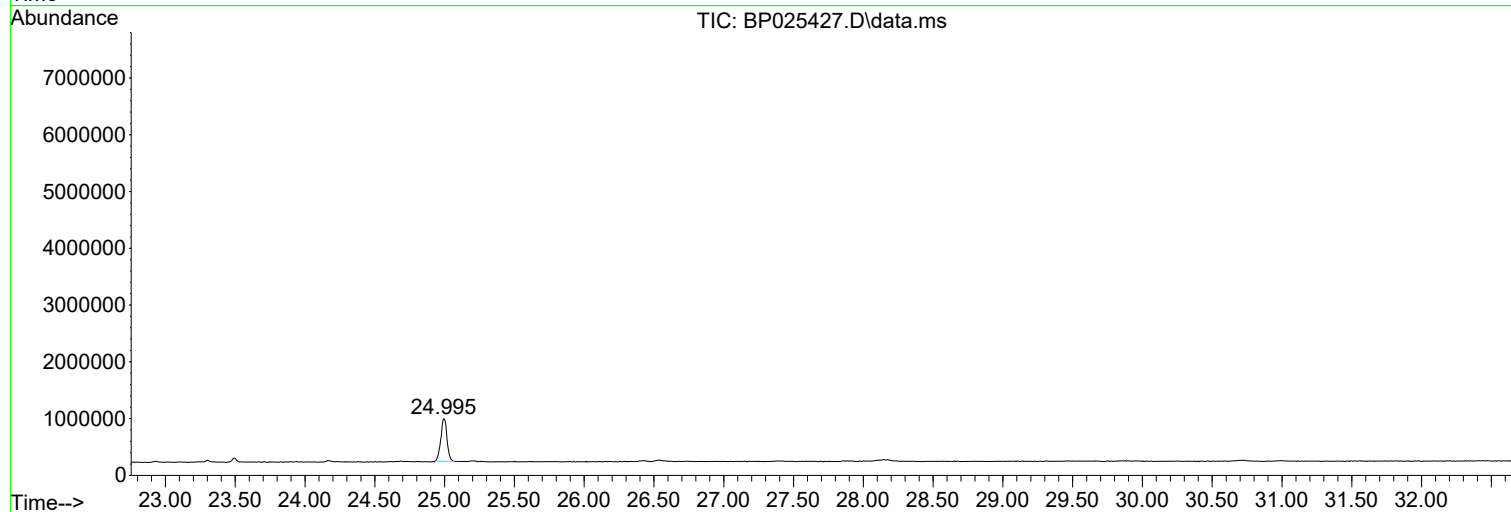
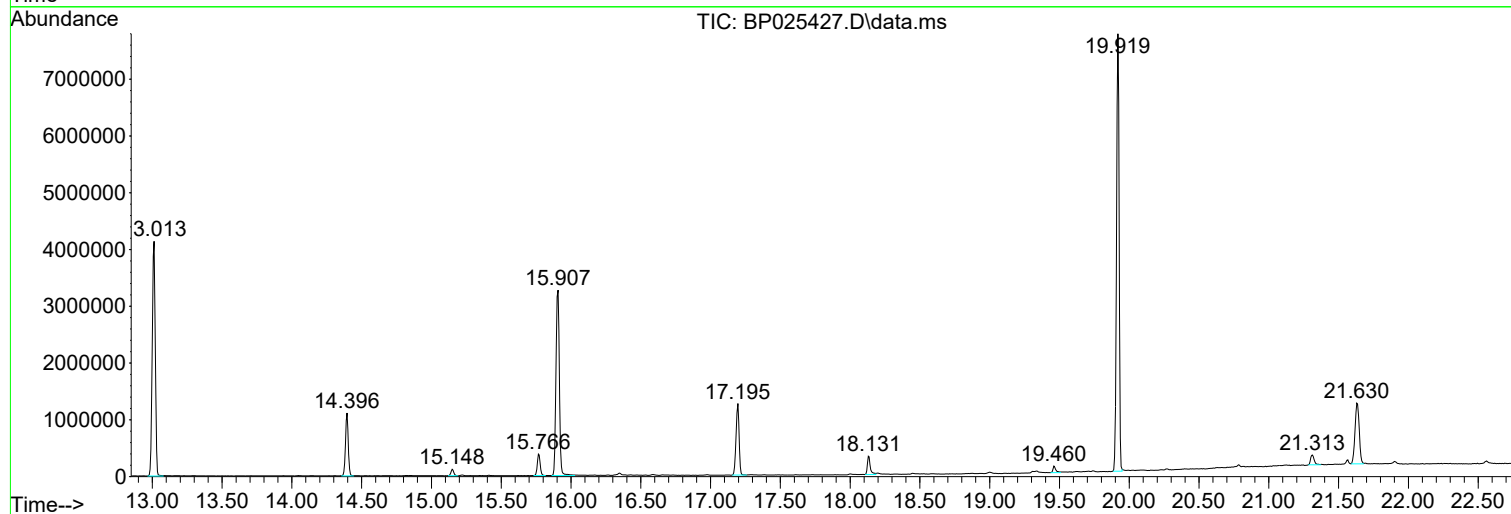
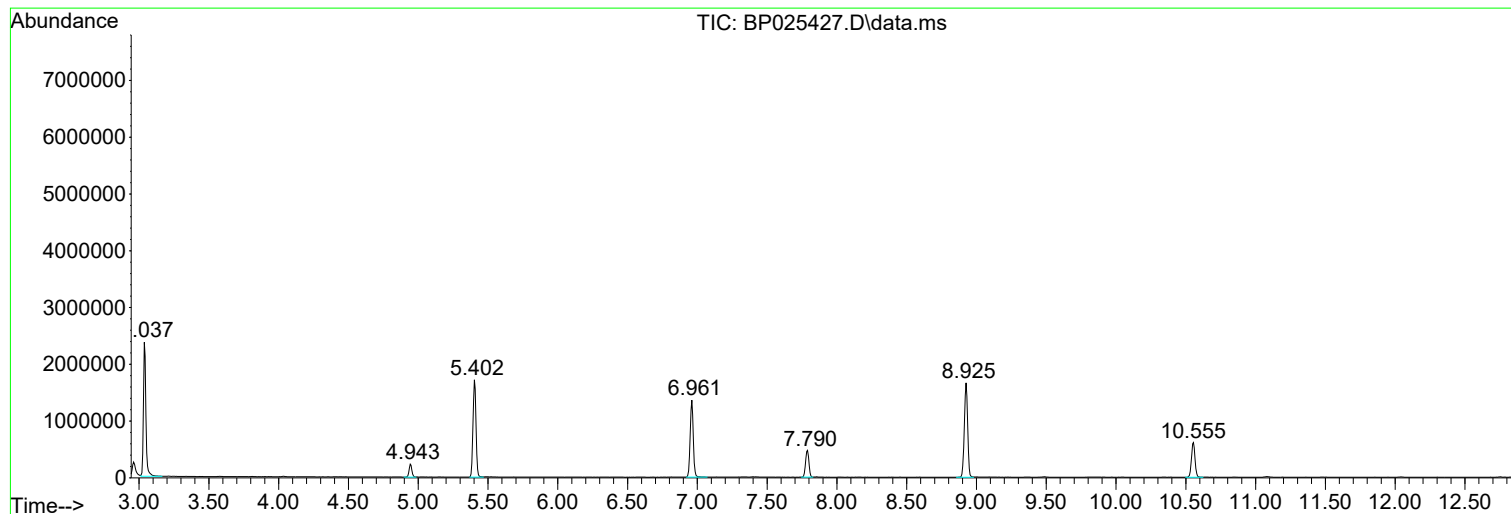
Sum of corrected areas: 44085292

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-W

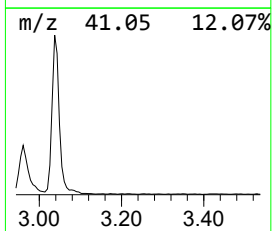
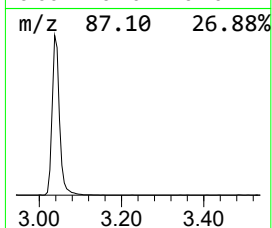
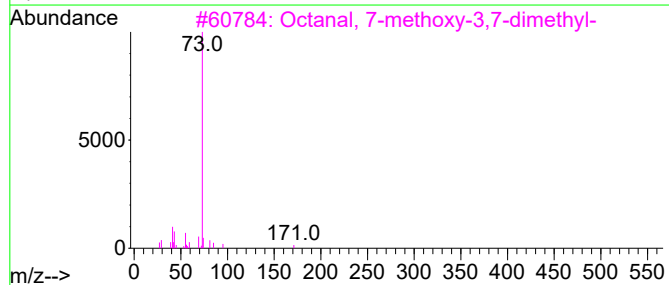
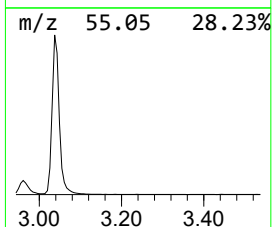
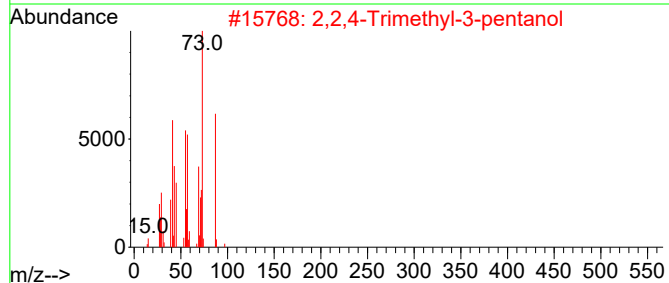
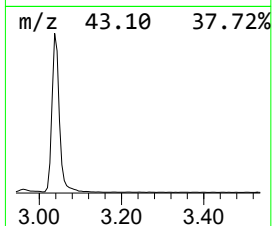
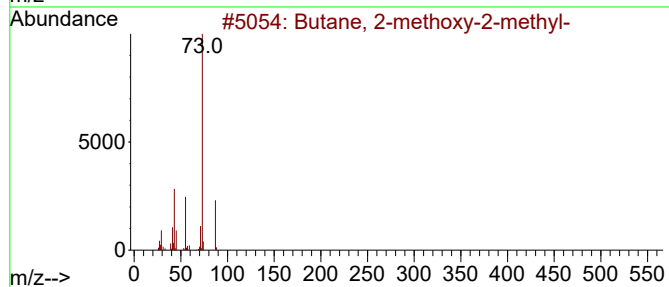
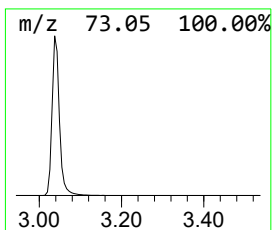
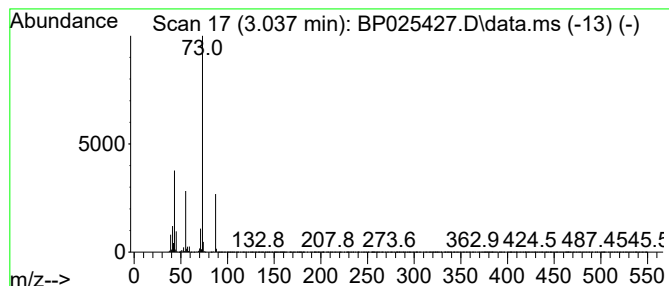
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	76.27 ng	2951660	1,4-Dichlorobenzene-d4	7.790

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

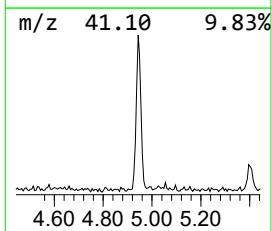
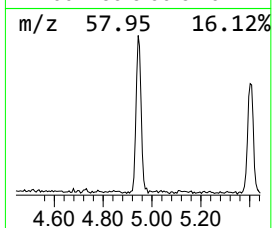
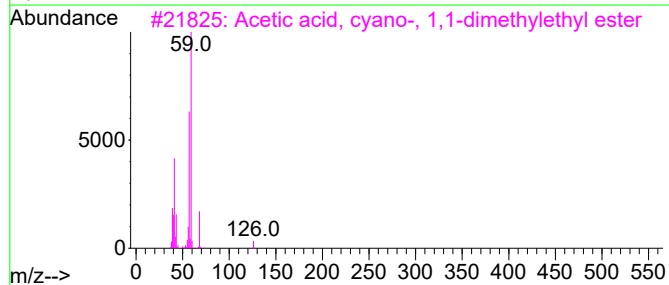
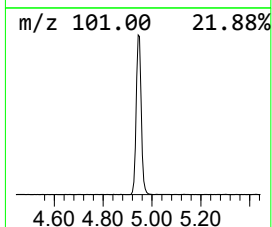
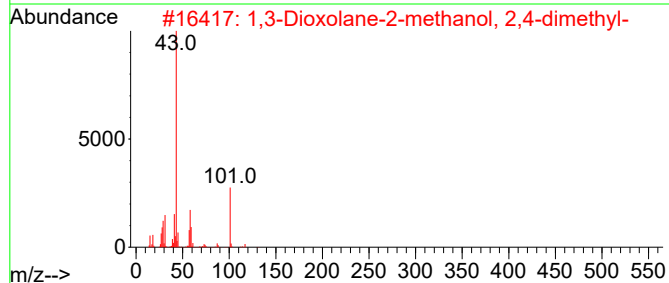
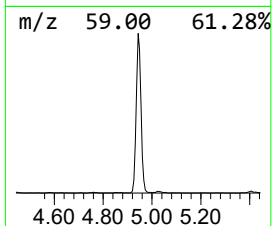
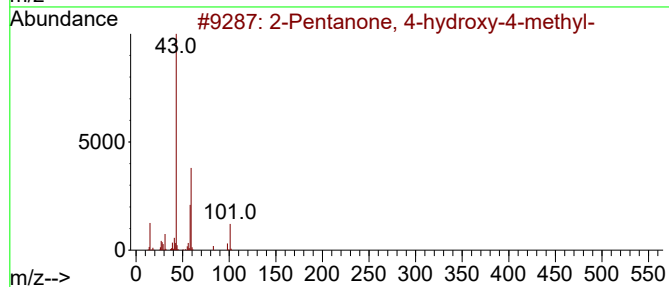
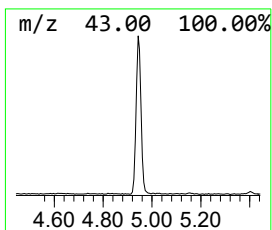
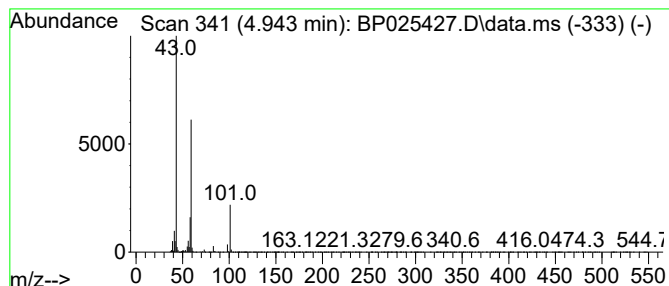
Instrument :
BNA_P
ClientSampleId :
TW-518R-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.943	8.32 ng	322036	1,4-Dichlorobenzene-d4			7.790
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	50
2	1,3-Dioxolane-2-methanol, 2,4-di...		132	C6H12O3	053951-43-2	25
3	Acetic acid, cyano-, 1,1-dimethy...		141	C7H11NO2	001116-98-9	17
4	Morpholine, 4-methyl-		101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-		102	C6H14O	000628-81-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-W

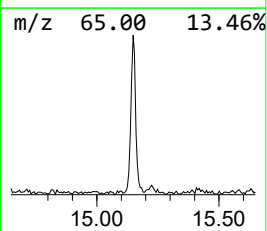
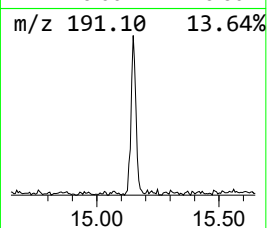
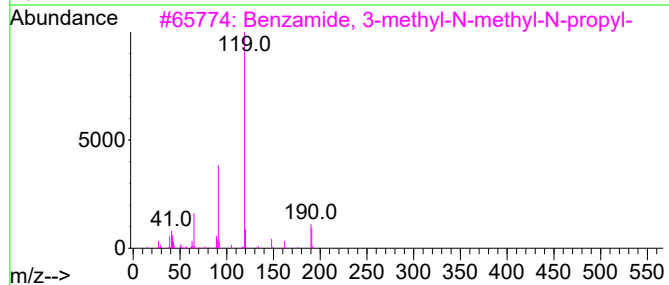
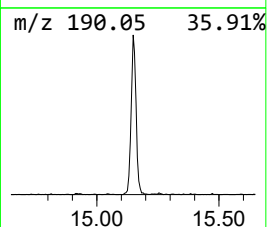
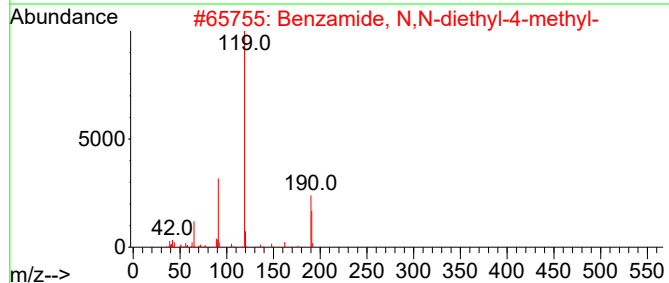
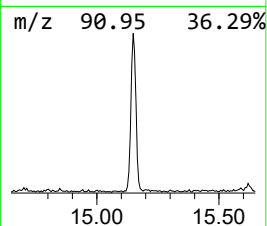
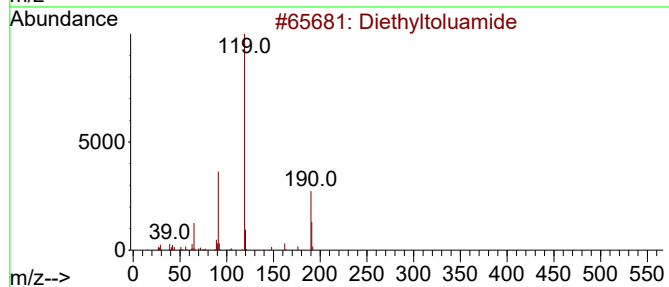
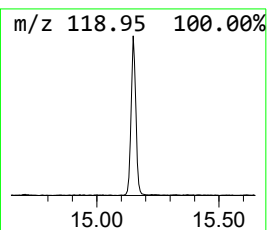
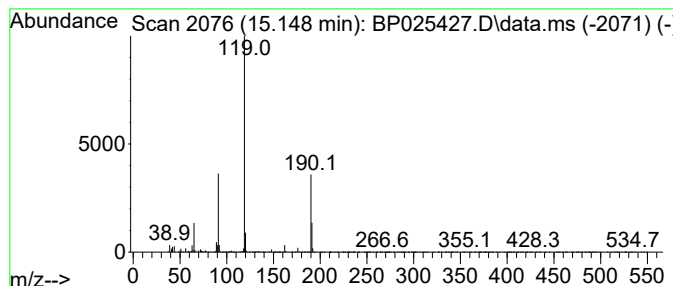
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Diethyltoluamide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.148	2.10 ng	159464	Acenaphthene-d10	14.396

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diethyltoluamide	191	C12H17NO	000134-62-3	97
2			Benzamide, N,N-diethyl-4-methyl-	191	C12H17NO	002728-05-4	90
3			Benzamide, 3-methyl-N-methyl-N-p...	191	C12H17NO	1000421-46-2	87
4			Benzamide, 3-methyl-N-butyl-	191	C12H17NO	1000407-41-1	87
5			Benzamide, 4-methyl-N-butyl-	191	C12H17NO	1000407-46-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-W

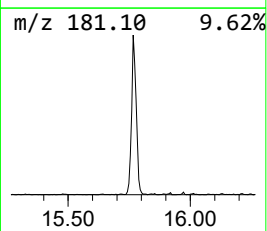
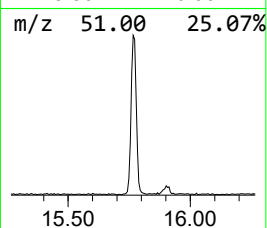
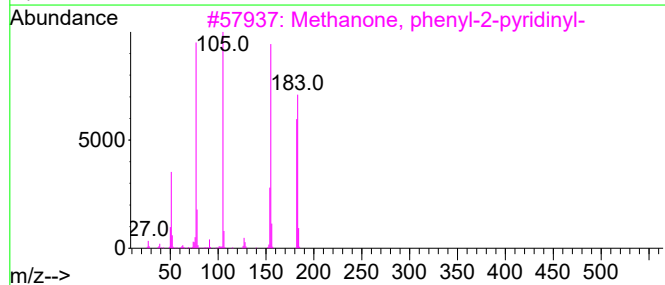
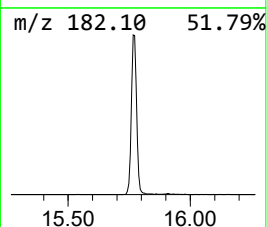
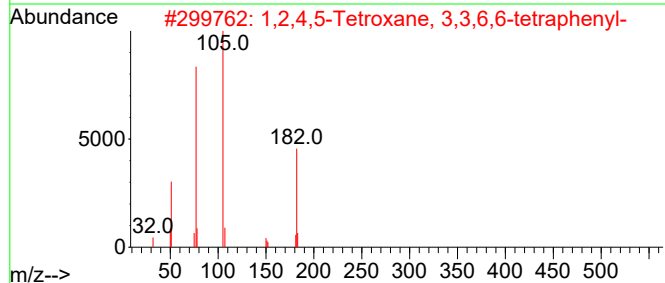
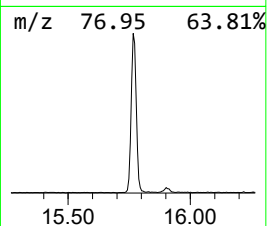
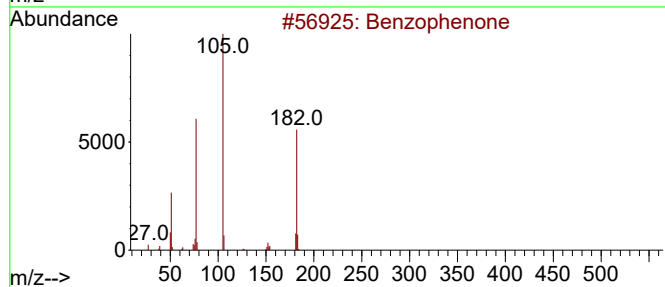
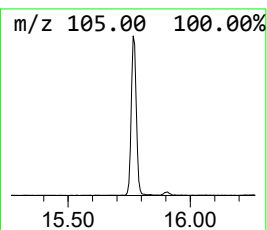
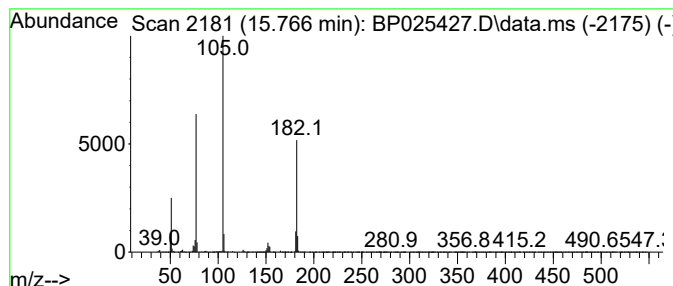
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.766	7.27 ng	552426	Acenaphthene-d10	14.396

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42
5			Azobenzene	182	C12H10N2	000103-33-3	37



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-W

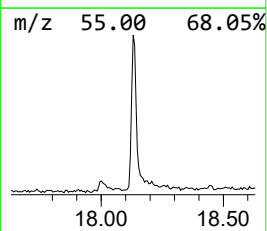
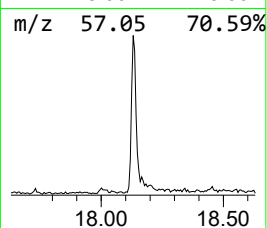
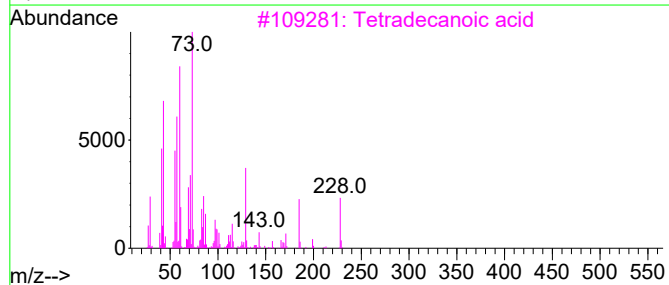
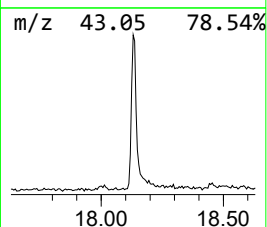
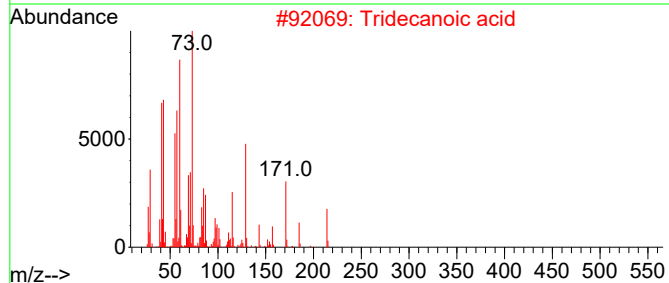
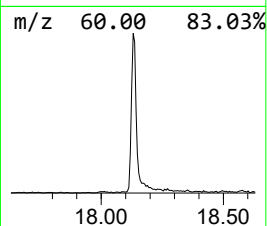
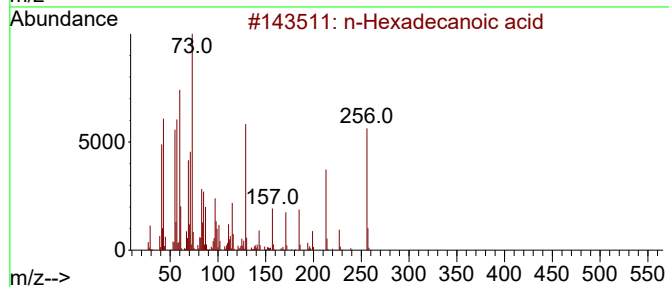
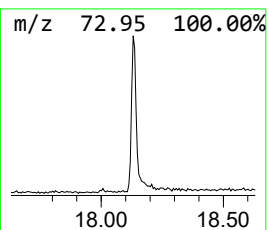
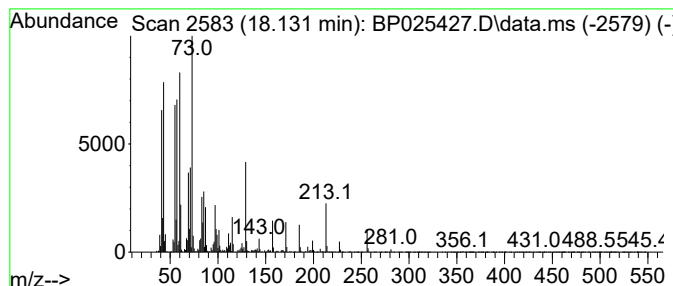
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.131	5.22 ng	487760	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	94
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4			Octadecanoic acid	284	C18H36O2	000057-11-4	93
5			Pentadecanoic acid	242	C15H30O2	001002-84-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

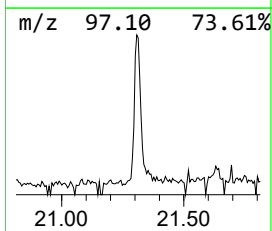
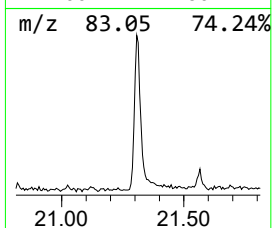
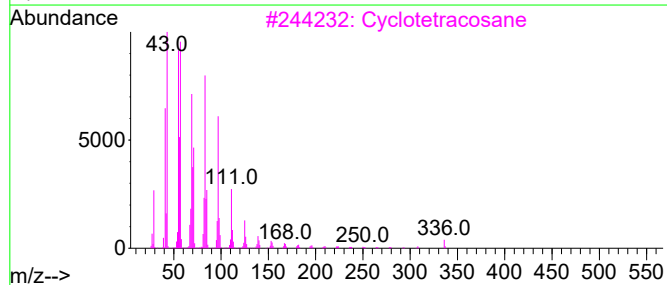
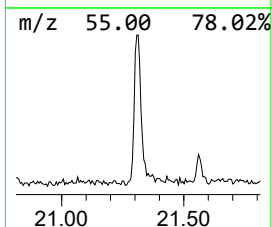
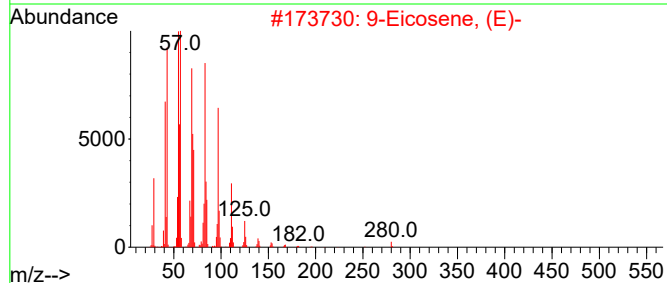
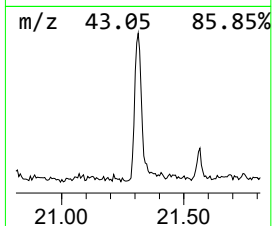
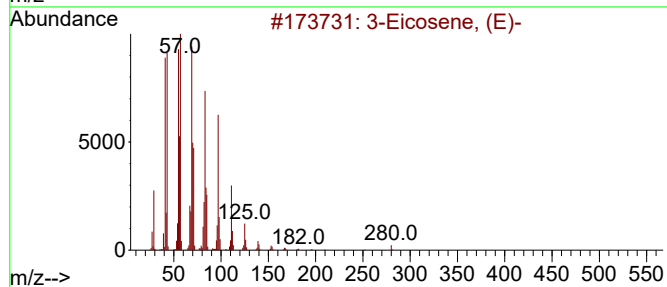
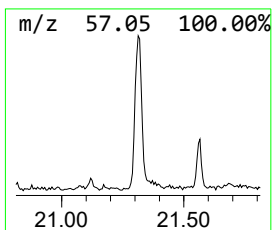
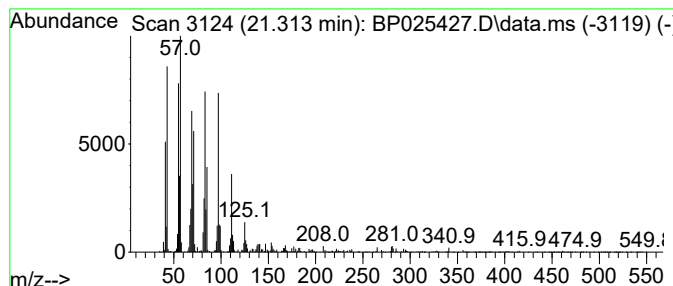
Instrument :
BNA_P
ClientSampleId :
TW-518R-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 3-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.313	2.99 ng	327489	Chrysene-d12	21.630	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	94
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	90
3	Cyclotetracosane	336	C24H48	000297-03-0	90
4	Pentacos-1-ene	350	C25H50	016980-85-1	90
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025427.D
Acq On : 15 Aug 2025 14:49
Operator : CG/JU
Sample : Q2814-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-518R-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	76.3	ng	2951660	1	7.790	773982	20.0
2-Pentanone, 4-...	4.943	8.3	ng	322036	1	7.790	773982	20.0
Diethyltoluamide	15.148	2.1	ng	159464	3	14.396	1519310	20.0
Benzophenone	15.766	7.3	ng	552426	3	14.396	1519310	20.0
n-Hexadecanoic ...	18.131	5.2	ng	487760	4	17.195	1868900	20.0
3-Eicosene, (E)-	21.313	3.0	ng	327489	5	21.630	2192290	20.0



CALIBRATION SUMMARY

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Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF081225.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Aug 12 13:25:39 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143343.D 5 =BF143344.D 10 =BF143345.D 20 =BF143346.D 40 =BF143347.D 50 =BF143348.D 60 =BF143349.D 80 =BF143350.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.606	0.582	0.614	0.596	0.592	0.612	0.586	0.598	2.12	
3)	Pyridine	1.476	1.573	1.597	1.615	1.623	1.668	1.613	1.595	3.75	
4)	n-Nitrosodimet...		0.686	0.711	0.759	0.762	0.776	0.764	0.743	4.80	
5) S	2-Fluorophenol	1.155	1.170	1.207	1.179	1.143	1.151	1.090	1.157	3.15	
6)	Aniline	2.162	2.139	2.178	2.119	2.029	2.057	1.954	2.091	3.88	
7) S	Phenol-d6	1.527	1.505	1.541	1.500	1.447	1.475	1.386	1.483	3.58	
8)	2-Chlorophenol	1.167	1.215	1.272	1.259	1.240	1.271	1.227	1.236	3.01	
9)	Benzaldehyde		1.109	1.106	1.011	0.875	0.800		0.980	14.15	
10) C	Phenol	1.823	1.791	1.843	1.783	1.721	1.734	1.604	1.757	4.56	
11)	bis(2-Chloroet...	1.357	1.304	1.333	1.306	1.252	1.279	1.235	1.295	3.34	
12)	1,3-Dichlorobe...	1.551	1.479	1.482	1.432	1.364	1.386	1.285	1.425	6.21	
13) C	1,4-Dichlorobe...	1.576	1.510	1.485	1.414	1.370	1.366	1.294	1.431	6.82	
14)	1,2-Dichlorobe...	1.486	1.416	1.407	1.347	1.295	1.309	1.247	1.358	6.09	
15)	Benzyl Alcohol		0.980	1.069	1.088	1.066	1.097	1.079	1.063	3.98	
16)	2,2'-oxybis(1-...	2.521	2.408	2.435	2.317	2.214	2.224	2.065	2.312	6.76	
17)	2-Methylphenol	1.017	1.038	1.077	1.064	1.036	1.059	1.012	1.043	2.35	
18)	Hexachloroethane	0.425	0.433	0.460	0.462	0.449	0.466	0.444	0.449	3.42	
19) P	n-Nitroso-di-n...	0.956	0.992	0.942	0.957	0.910	0.863	0.875	0.837	0.916	5.89
20)	3+4-Methylphenols			1.331	1.373	1.288	1.227	1.227	1.125	1.262	7.00
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.500	0.478	0.475	0.429	0.404	0.417	0.381	0.441	9.98	
23) S	Nitrobenzene-d5	0.277	0.304	0.339	0.336	0.328	0.341	0.324	0.321	7.17	
24)	Nitrobenzene	0.322	0.329	0.366	0.359	0.352	0.367	0.347	0.349	5.02	
25)	Isophorone	0.692	0.662	0.683	0.645	0.627	0.651	0.630	0.656	3.79	
26) C	2-Nitrophenol	0.069	0.085	0.109	0.126	0.134	0.151	0.150	0.118	26.89	
27)	2,4-Dimethylph...	0.259	0.261	0.288	0.279	0.275	0.285	0.267	0.274	4.15	
28)	bis(2-Chloroet...	0.424	0.410	0.425	0.396	0.383	0.396	0.369	0.400	5.19	
29) C	2,4-Dichloroph...	0.243	0.256	0.286	0.275	0.270	0.279	0.262	0.267	5.54	
30)	1,2,4-Trichlor...	0.299	0.290	0.299	0.277	0.269	0.278	0.260	0.282	5.30	
31)	Naphthalene	1.083	1.023	1.029	0.944	0.901	0.917	0.839	0.962	8.88	
32)	Benzoic acid		0.069	0.085	0.108	0.120	0.136	0.142	0.110	25.83	
33)	4-Chloroaniline	0.362	0.350	0.367	0.345	0.334	0.345	0.326	0.347	4.13	
34) C	Hexachlorobuta...	0.185	0.181	0.187	0.175	0.166	0.171	0.161	0.175	5.49	
35)	Caprolactam		0.061	0.073	0.079	0.078	0.081	0.079	0.075	9.95	
36) C	4-Chloro-3-met...	0.270	0.274	0.296	0.286	0.279	0.286	0.270	0.280	3.54	
37)	2-Methylnaphth...	0.720	0.673	0.681	0.622	0.591	0.593	0.548	0.633	9.63	
38)	1-Methylnaphth...	0.690	0.654	0.653	0.595	0.568	0.574	0.531	0.609	9.38	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF081225.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.588	0.566	0.575	0.542	0.524	0.537	0.499	0.547	5.66	
41) P	Hexachlorocycl...	0.088	0.130	0.167	0.172	0.192	0.201	0.158	26.72		
42) S	2,4,6-Tribromo...	0.105	0.127	0.149	0.160	0.160	0.164	0.159	0.146	15.13	
43) C	2,4,6-Trichlor...	0.242	0.272	0.316	0.334	0.328	0.343	0.338	0.311	12.43	
44)	2,4,5-Trichlor...	0.307	0.308	0.366	0.377	0.364	0.370	0.361	0.351	8.48	
45) S	2-Fluorobiphenyl	1.444	1.332	1.285	1.132	1.060	1.052	0.951	1.179	15.06	
46)	1,1'-Biphenyl	1.613	1.506	1.516	1.389	1.317	1.335	1.223	1.414	9.63	
47)	2-Chloronaphth...	1.216	1.176	1.180	1.095	1.046	1.081	1.003	1.114	7.06	
48)	2-Nitroaniline	0.188	0.223	0.279	0.309	0.321	0.336	0.330	0.284	20.23	
49)	Acenaphthylene	1.759	1.682	1.719	1.588	1.525	1.541	1.444	1.608	7.13	
50)	Dimethylphthalate	1.160	1.178	1.244	1.180	1.144	1.171	1.103	1.169	3.66	
51)	2,6-Dinitrotol...	0.125	0.147	0.188	0.213	0.219	0.234	0.228	0.193	21.87	
52) C	Acenaphthene	1.208	1.127	1.121	1.054	1.012	1.017	0.945	1.069	8.28	
53)	3-Nitroaniline	0.159	0.193	0.250	0.261	0.265	0.281	0.266	0.239	18.92	
54) P	2,4-Dinitrophenol	0.030	0.046	0.066	0.073	0.086	0.092	0.065	36.52		
55)	Dibenzofuran	1.757	1.641	1.634	1.511	1.438	1.446	1.346	1.539	9.33	
56) P	4-Nitrophenol	0.096	0.147	0.173	0.180	0.194	0.190	0.163	22.52		
57)	2,4-Dinitrotol...	0.154	0.191	0.257	0.289	0.296	0.308	0.297	0.256	23.42	
58)	Fluorene	1.381	1.288	1.251	1.142	1.091	1.089	0.986	1.175	11.65	
59)	2,3,4,6-Tetrac...	0.172	0.188	0.236	0.255	0.258	0.276	0.270	0.236	17.33	
60)	Diethylphthalate	1.011	1.061	1.132	1.081	1.037	1.031	0.974	1.047	4.84	
61)	4-Chlorophenyl...	0.645	0.601	0.600	0.563	0.533	0.536	0.498	0.568	8.84	
62)	4-Nitroaniline	0.174	0.202	0.253	0.249	0.248	0.253	0.242	0.232	13.40	
63)	Azobenzene	1.302	1.228	1.285	1.193	1.147	1.149	1.065	1.196	6.99	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.036	0.054	0.071	0.077	0.087	0.091	0.069	29.75		
66) c	n-Nitrosodiphe...	0.693	0.670	0.674	0.655	0.639	0.651	0.627	0.659	3.38	
67)	4-Bromophenyl-...	0.232	0.222	0.232	0.231	0.227	0.231	0.226	0.229	1.65	
68)	Hexachlorobenzene	0.258	0.249	0.250	0.244	0.237	0.248	0.240	0.247	2.76	
69)	Atrazine	0.147	0.157	0.187	0.178	0.180	0.182	0.173	0.172	8.45	
70) C	Pentachlorophenol	0.058	0.087	0.108	0.113	0.120	0.122	0.101	24.06		
71)	Phenanthrene	1.214	1.159	1.156	1.081	1.022	1.034	0.973	1.091	8.02	
72)	Anthracene	1.225	1.168	1.184	1.088	1.043	1.057	0.980	1.107	7.97	
73)	Carbazole	1.049	1.000	1.017	0.934	0.879	0.893	0.825	0.942	8.71	
74)	Di-n-butylphth...	0.674	0.739	0.889	0.864	0.819	0.817	0.780	0.798	9.24	
75) C	Fluoranthene	1.120	1.054	1.051	0.917	0.873	0.856	0.820	0.956	12.27	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.541	0.653	0.591	0.549	0.511	0.434	0.547	13.50		
78)	Pyrene	1.924	1.963	1.910	1.661	1.513	1.460	1.315	1.678	15.44	
79) S	Terphenyl-d14	1.337	1.346	1.297	1.089	0.976	0.957	0.841	1.120	18.44	
80)	Butylbenzylpht...	0.179	0.208	0.272	0.303	0.320	0.346	0.359	0.284	24.15	
81)	Benzo(a)anthra...	1.335	1.224	1.339	1.258	1.229	1.309	1.205	1.271	4.37	
82)	3,3'-Dichlorob...	0.255	0.327	0.364	0.374	0.382	0.358	0.343	13.77		
83)	Chrysene	1.270	1.249	1.199	1.175	1.163	1.143	1.098	1.185	5.06	
84)	Bis(2-ethylhex...	0.228	0.277	0.348	0.441	0.478	0.520	0.531	0.403	29.82	
85) c	Di-n-octyl pht...	0.545	0.692	0.888	0.945	1.045	1.047	0.860	23.52		

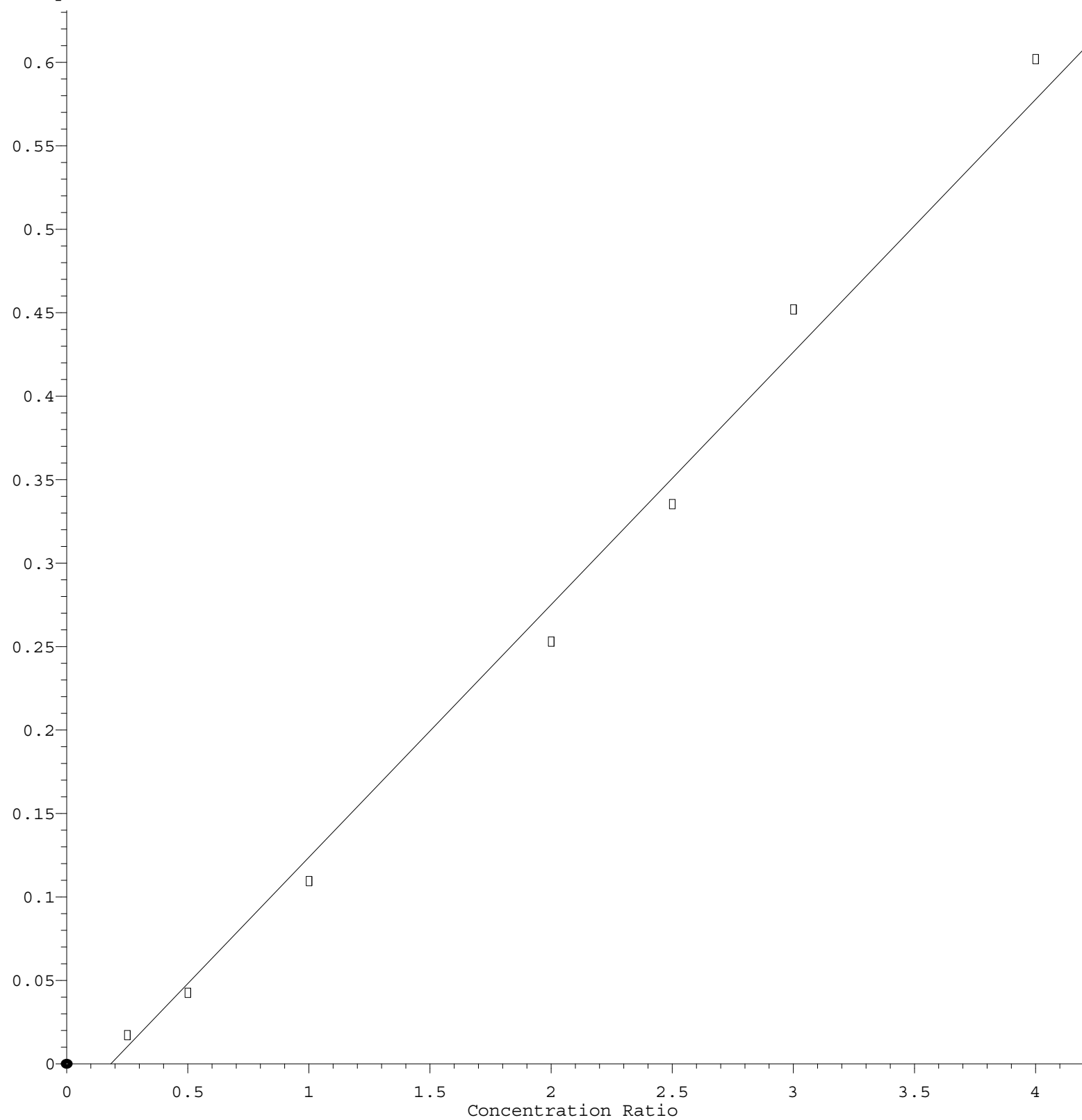
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.401	1.455	1.479	1.449	1.392	1.443	1.411	1.433	2.24	
88)	Benzo(b)fluora...	1.172	1.027	1.092	1.118	1.046	1.147	1.054	1.094	4.98	
89)	Benzo(k)fluora...	1.064	1.080	1.158	1.036	1.053	1.022	1.027	1.063	4.41	
90) C	Benzo(a)pyrene	1.049	1.011	1.060	1.033	1.012	1.039	1.008	1.030	1.99	
91)	Dibenzo(a,h)an...	1.129	1.162	1.184	1.170	1.119	1.155	1.094	1.145	2.77	
92)	Benzo(g,h,i)pe...	1.108	1.192	1.188	1.169	1.124	1.168	1.123	1.153	2.94	

(#) = Out of Range

2-Nitrophenol

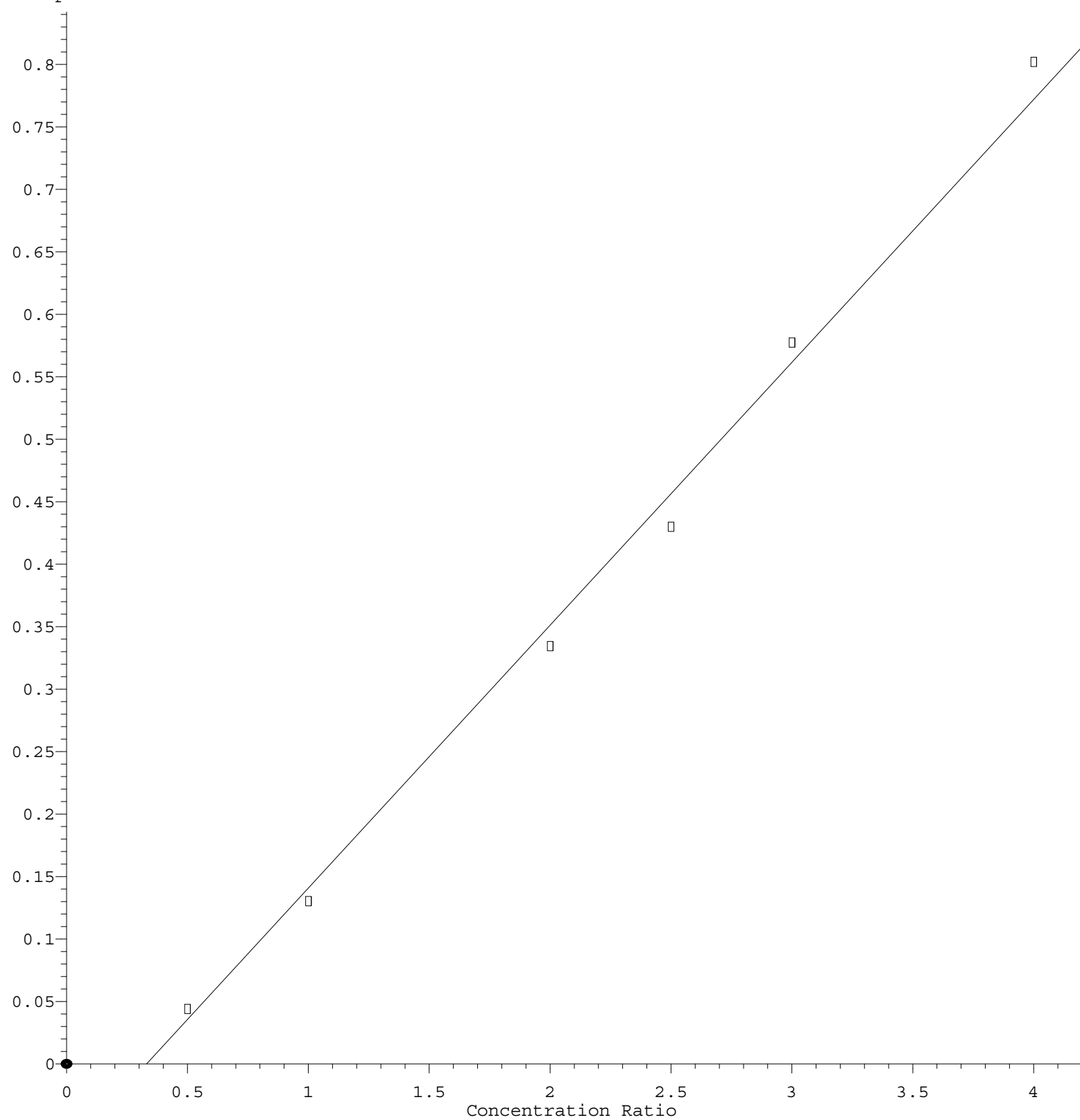
Response Ratio



Response = 1.513e-001 * Amt - 2.755e-002
 Coef of Det (r^2) = 0.993246 Curve Fit: wlr(1/a)
 Met 02814-SVOC-TCL-BNA-20
 Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

Hexachlorocyclopentadiene

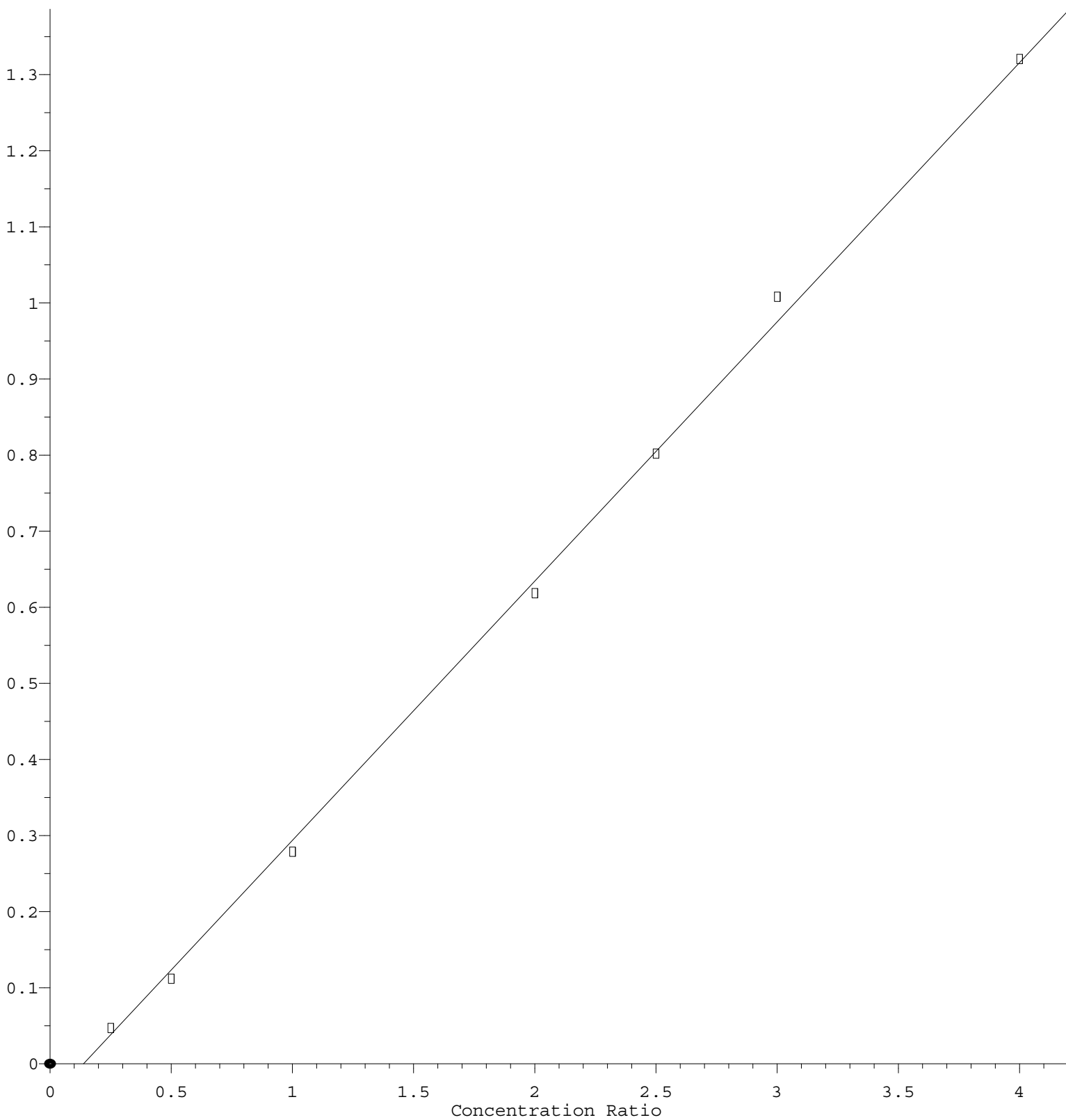
Response Ratio



Response = 2.105e-001 * Amt - 6.972e-002
Coef of Det (r^2) = 0.995567 Curve Fit: wlr(1/a)
Met02814-SWOC-TC1-BNA-20
Q2814-SWOC-TC1-BNA-20
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

2-Nitroaniline

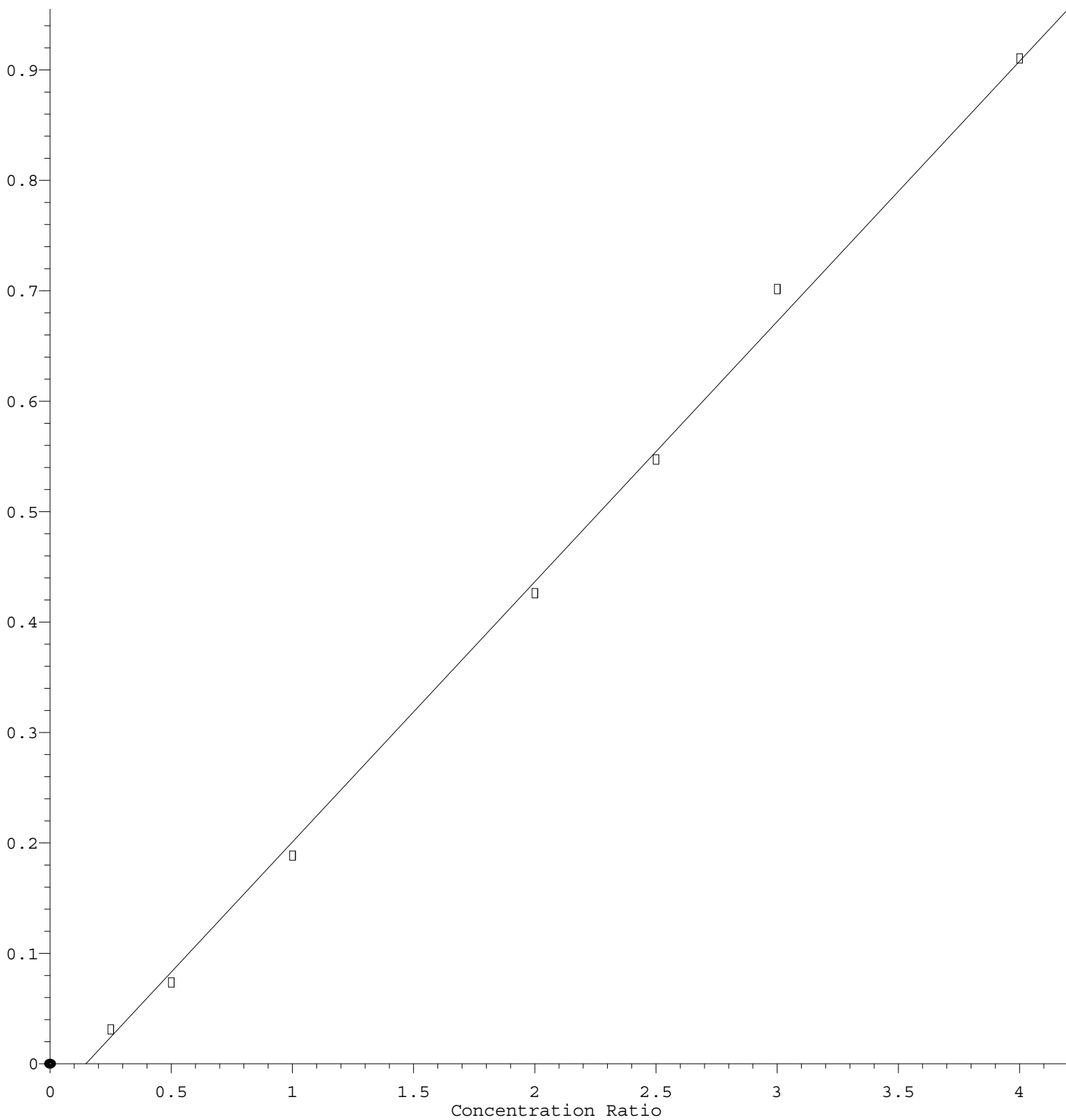
Response Ratio



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2,6-Dinitrotoluene

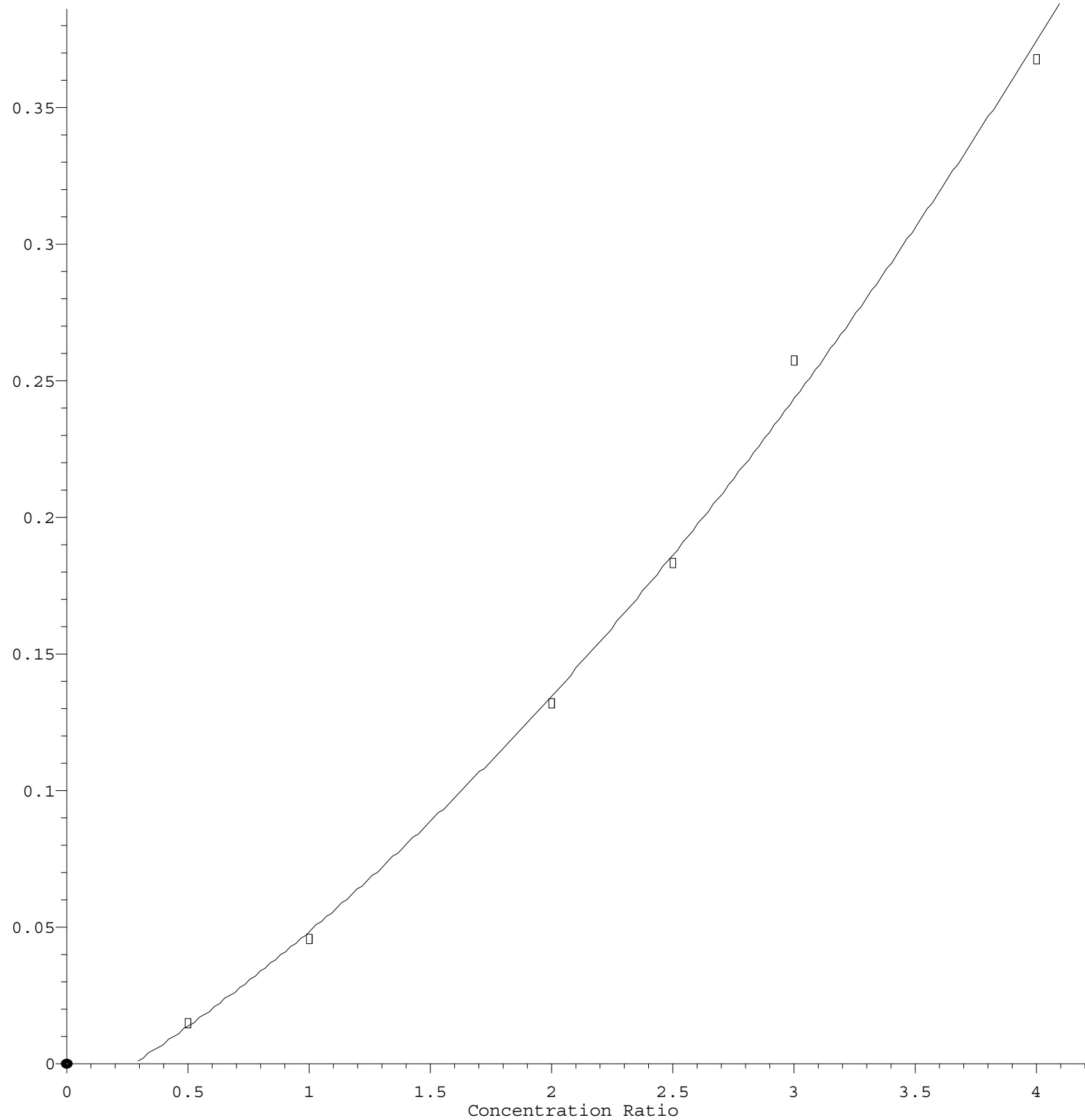
Response Ratio



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2,4-Dinitrophenol

Response Ratio



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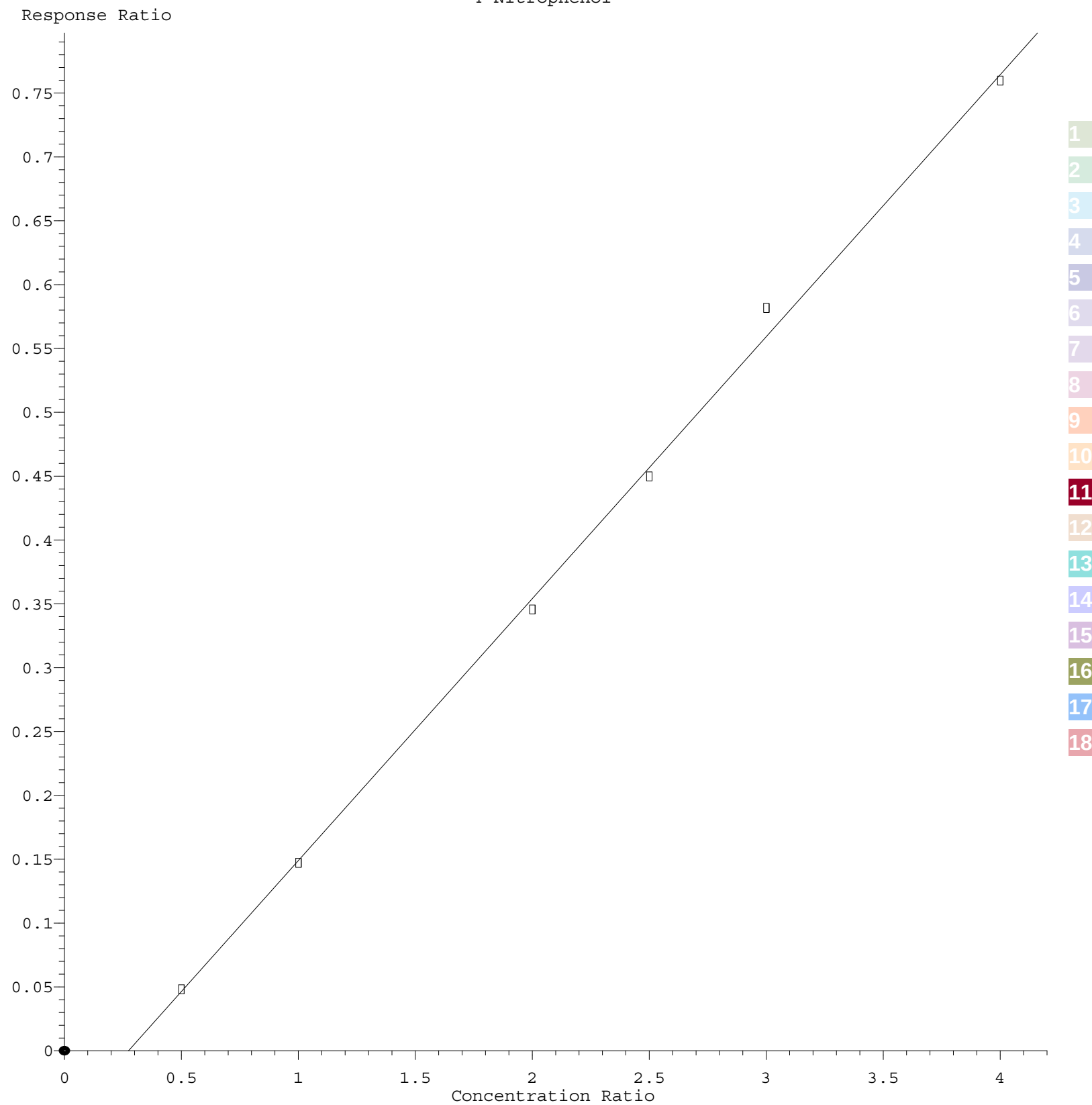
$$R = 1.122e-002 A^2 + 5.261e-002 A - 1.543e-002$$

Coef of Det (r^2) = 0.997954 Curve Fit: Quadratic w(1/a)

Met 02814-SVOC-TCL-BNA-20 \HPCHEM1\BNA F\Methods\8270-BF081225.M

Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

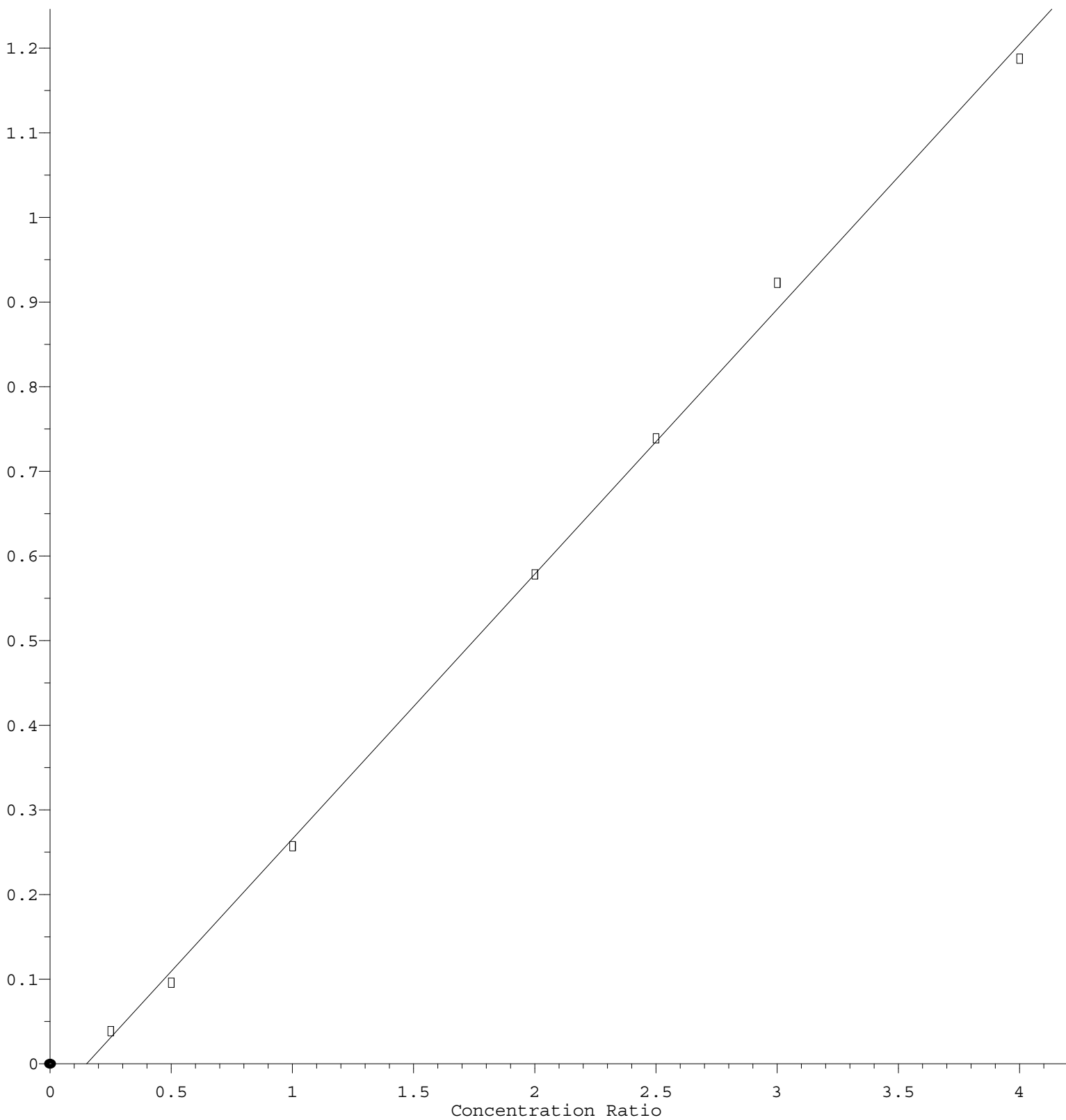
4-Nitrophenol



Response = 2.053e-001 * Amt - 5.623e-002
 Coef of Det (r^2) = 0.998868 Curve Fit: wlr(1/a)
 Met 02814-SVOC-TCL-BNA-20
 Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

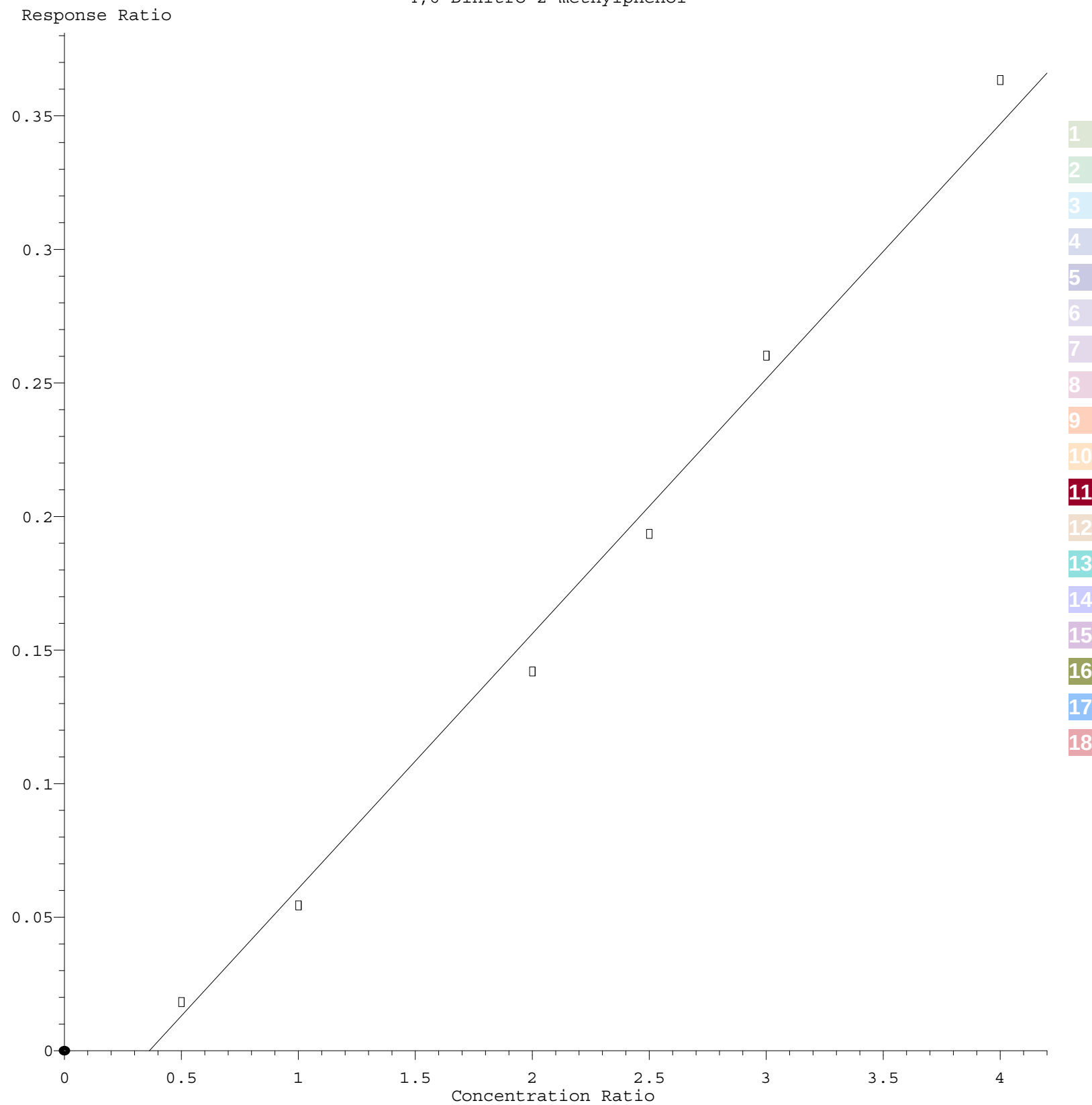
2,4-Dinitrotoluene

Response Ratio

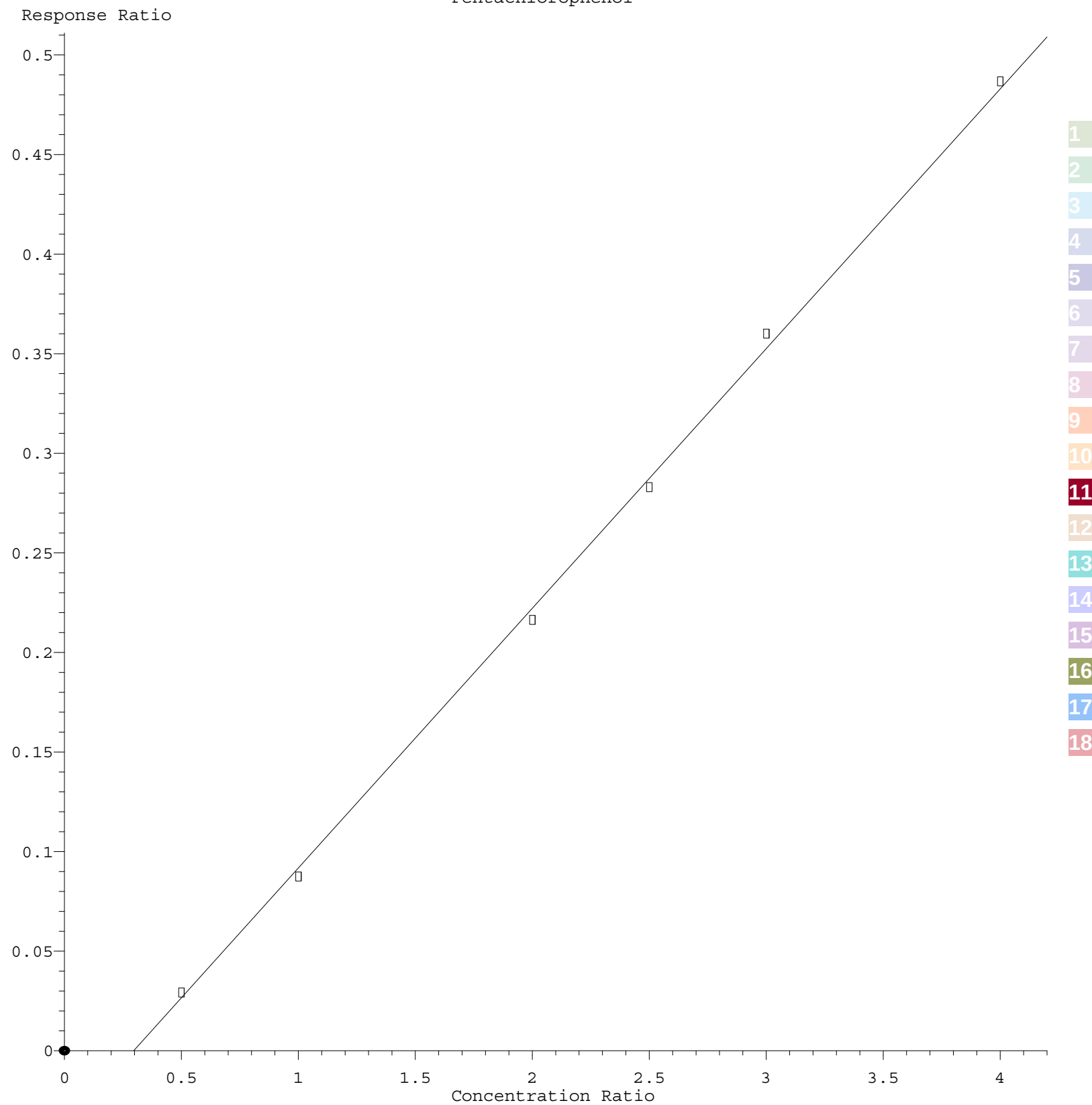


- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

4,6-Dinitro-2-methylphenol



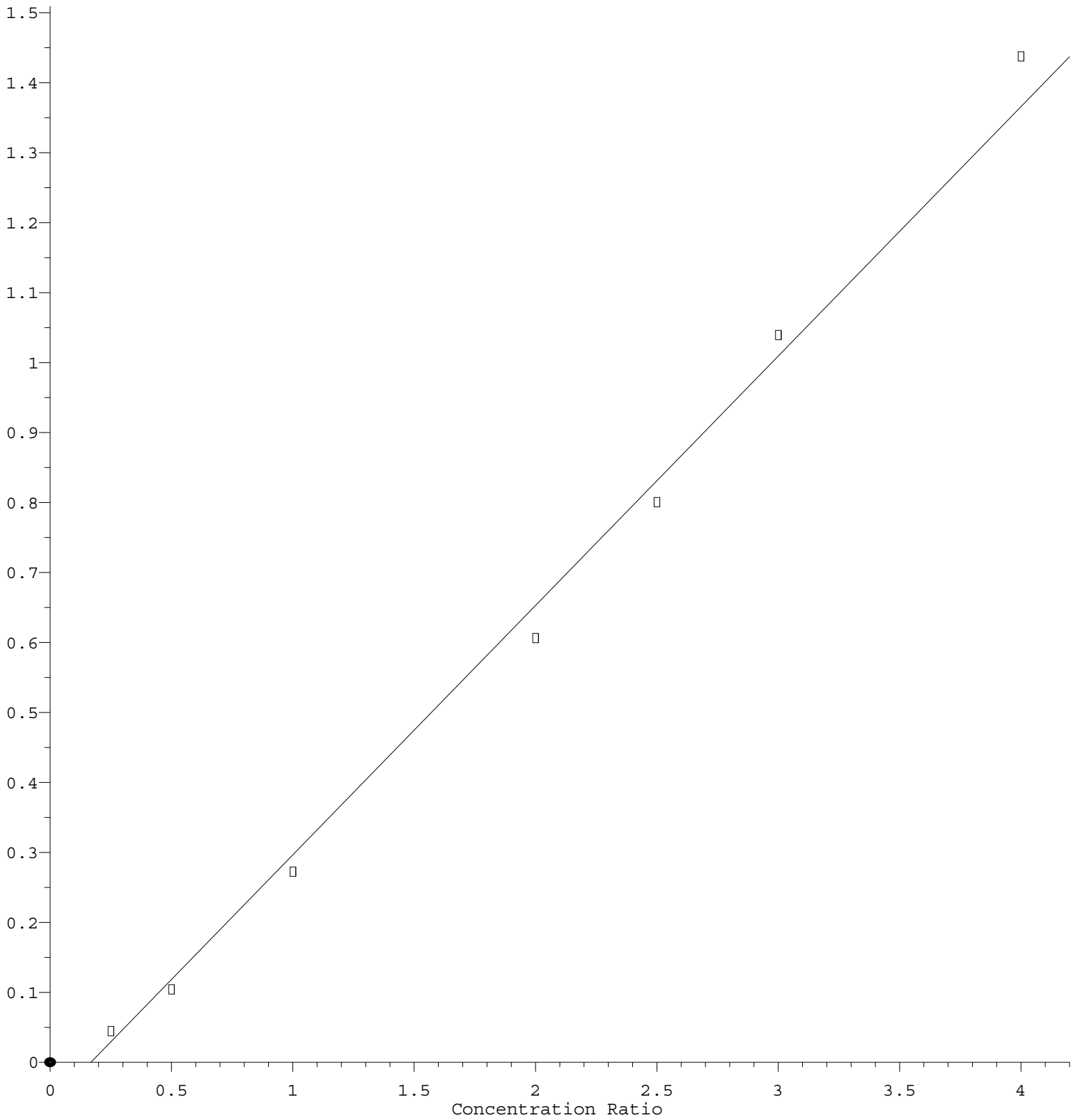
Pentachlorophenol



Response = 1.303e-001 * Amt - 3.859e-002
 Coef of Det (r^2) = 0.999061 Curve Fit: wlr(1/a)
 Met 02814-SVOC-TC1-BNA-20
 Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

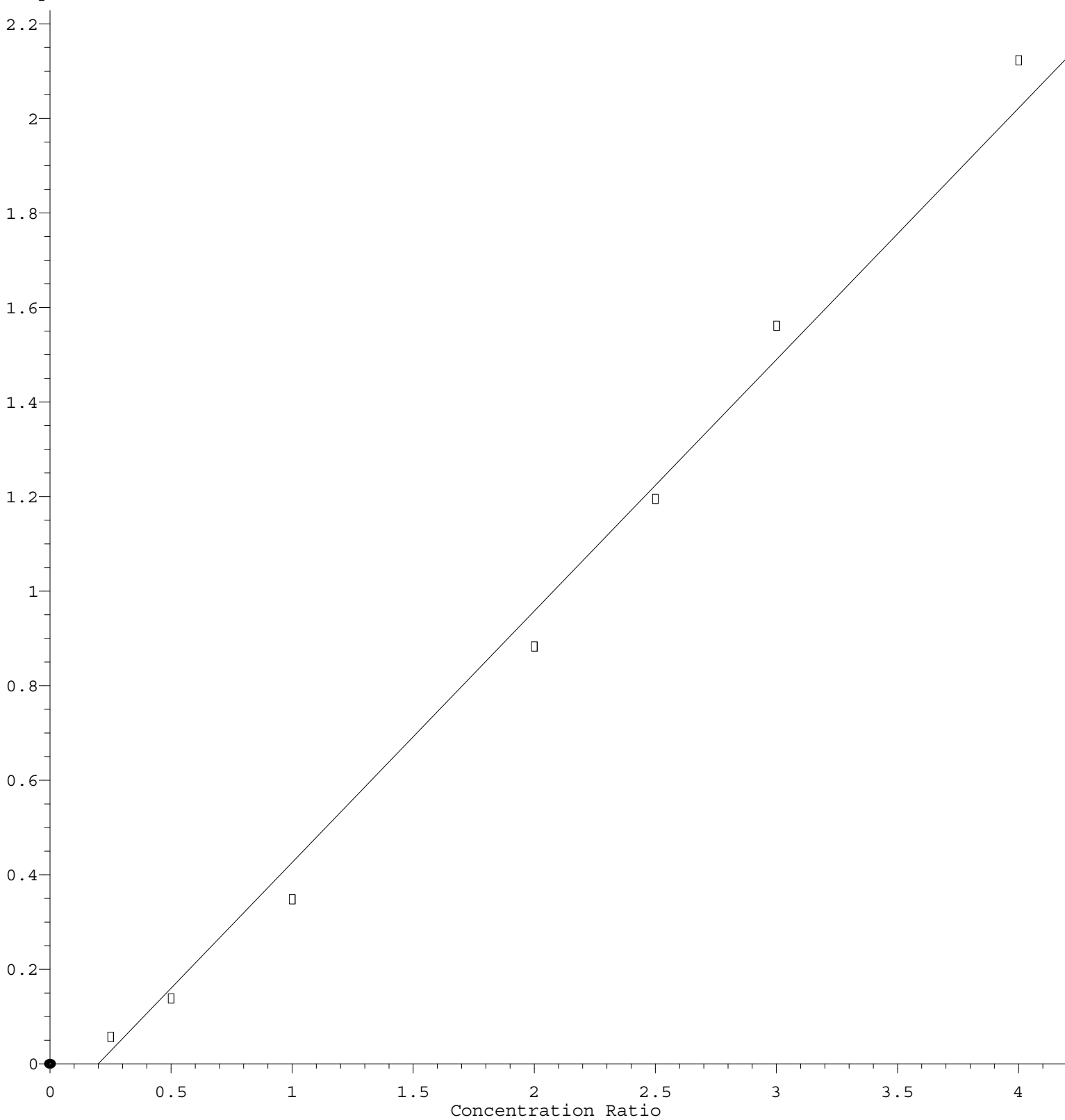
Butylbenzylphthalate

Response Ratio



Bis(2-ethylhexyl)phthalate

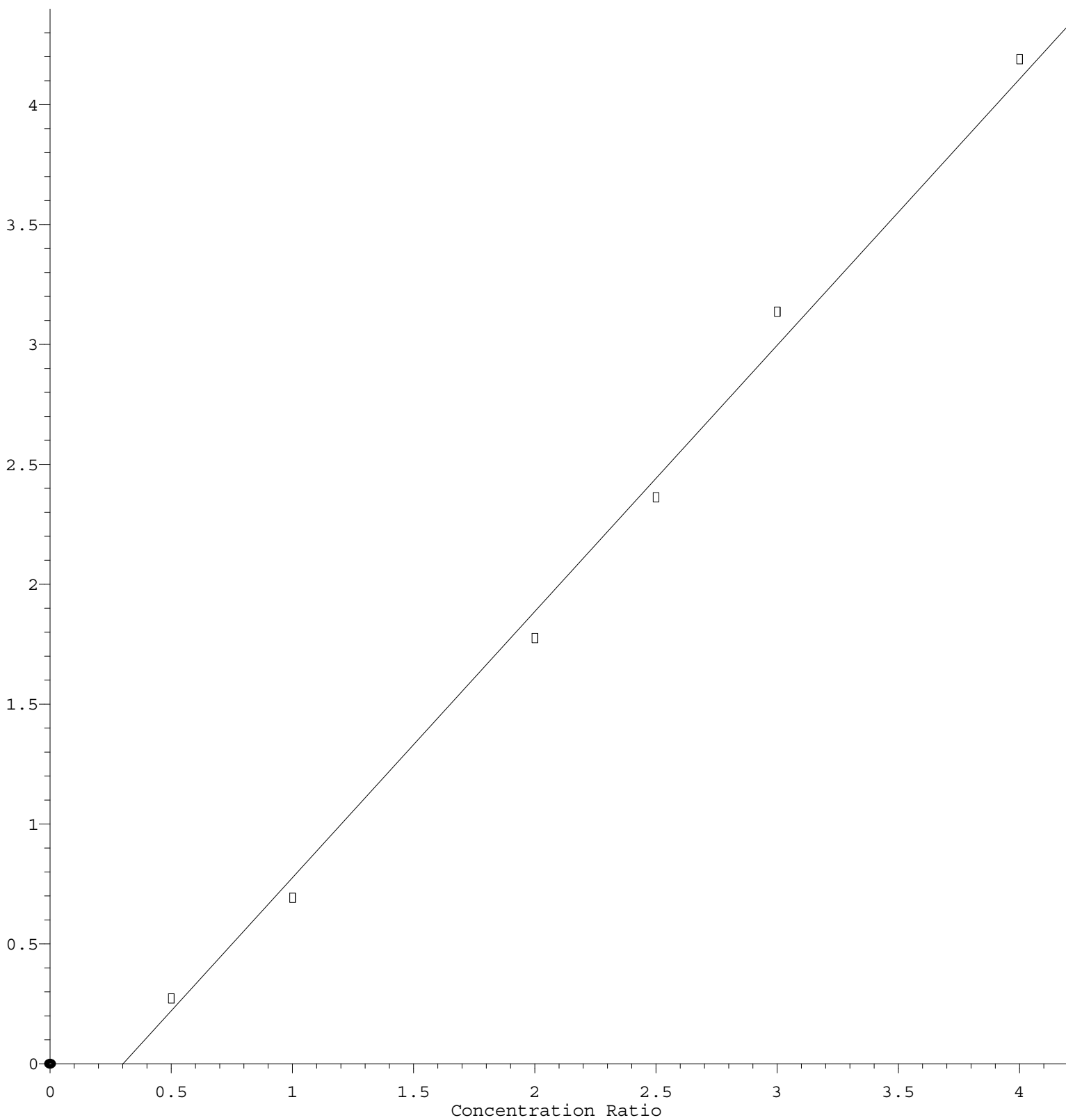
Response Ratio



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Di-n-octyl phthalate

Response Ratio



$$\text{Response} = 1.110\text{e}+000 * \text{Amt} - 3.345\text{e}-001$$

Coef of Det (r^2) = 0.995260 Curve Fit: wlr(1/a)

Method: SWOC-TC1-BNA-20

Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143343.D
Acq On : 12 Aug 2025 09:03
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 12 13:15:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

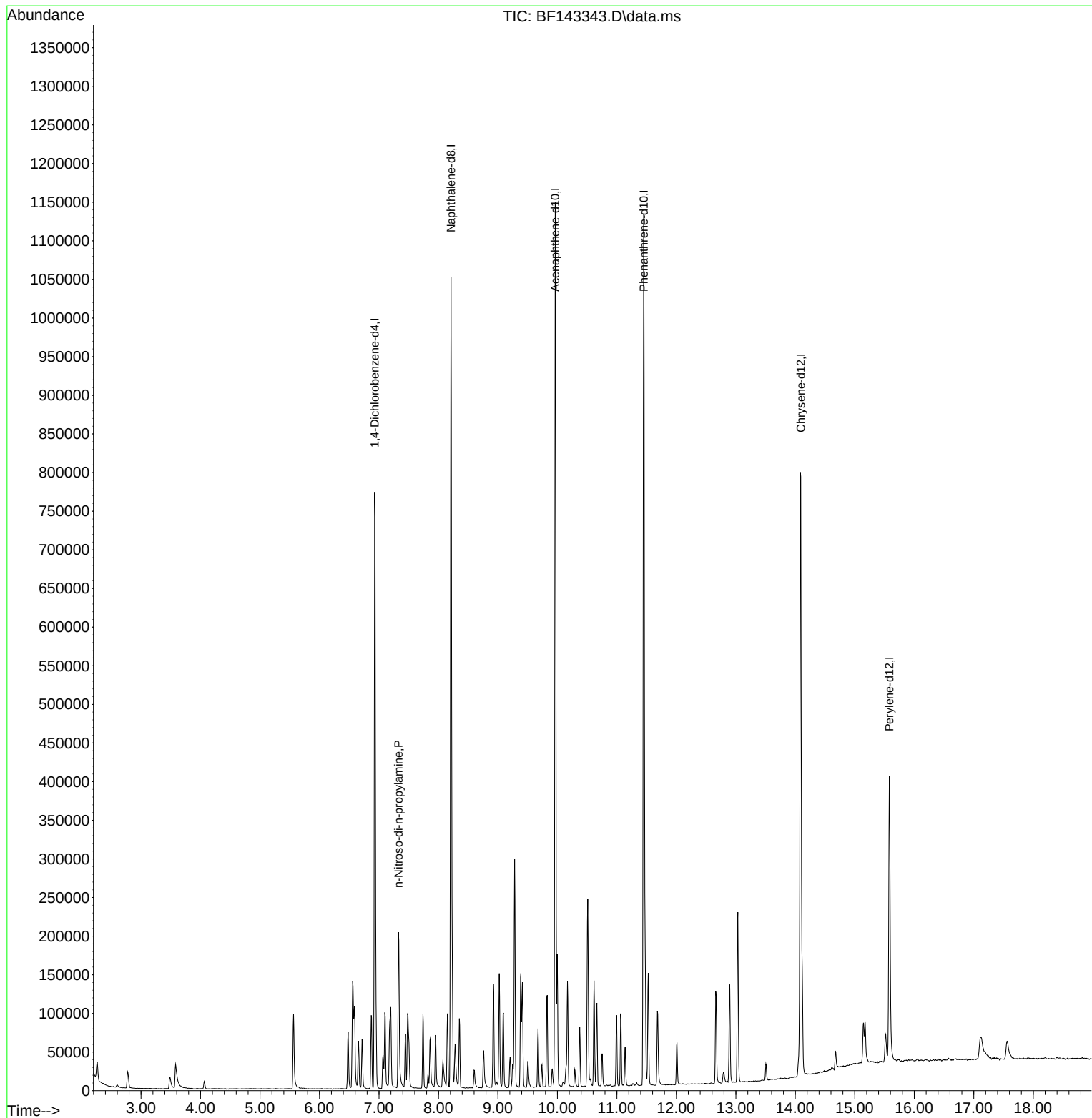
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162273	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	638032	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	346209	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	555179	20.000	ng	0.00
76) Chrysene-d12	14.092	240	375834	20.000	ng	0.00
86) Perylene-d12	15.580	264	241869	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.328	70	19396	2.609	ng	Qvalue 94

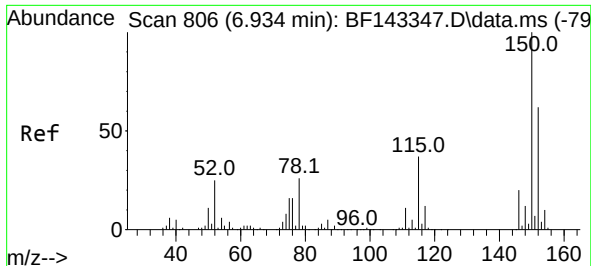
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143343.D
Acq On : 12 Aug 2025 09:03
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

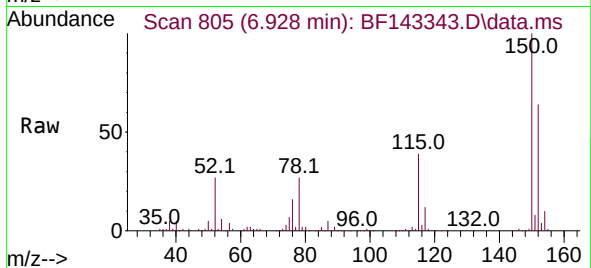
Quant Time: Aug 12 13:15:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



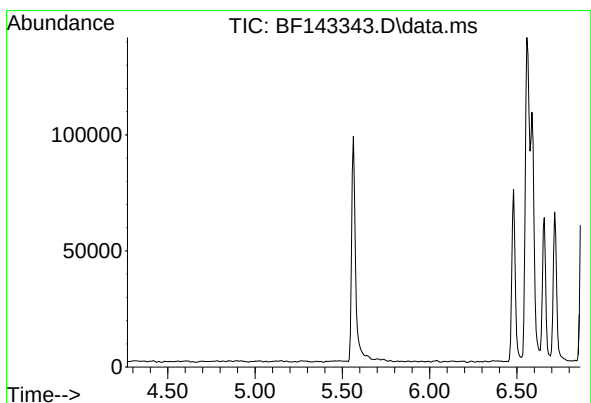
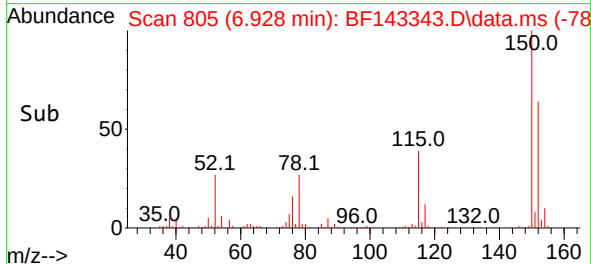
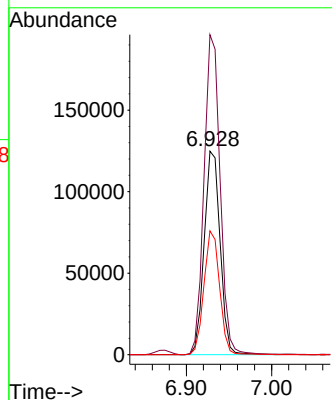


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF143343.D
 Acq: 12 Aug 2025 09:03

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

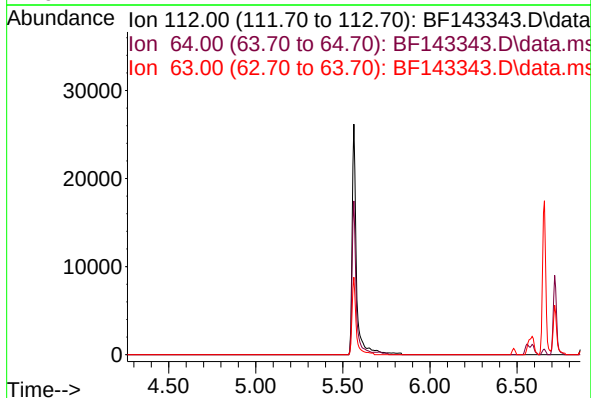


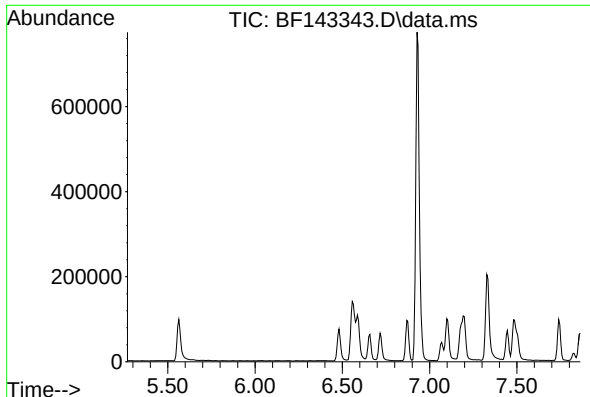
Tgt Ion:152 Resp: 162273
 Ion Ratio Lower Upper
 152 100
 150 157.2 129.8 194.8
 115 60.9 47.8 71.8



#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.56 min
 Lab File: BF143343.D
 Acq: 12 Aug 2025 09:03

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 65.1
 63 33.2



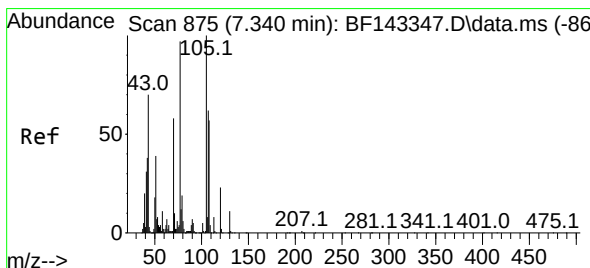
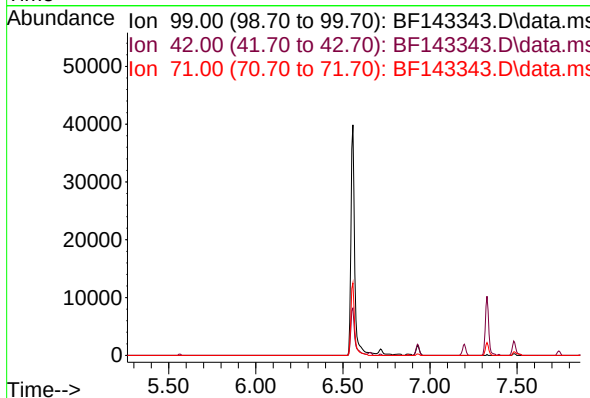


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.56 min
 Lab File: BF143343.D
 Acq: 12 Aug 2025 09:03

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Tgt Ion: 99

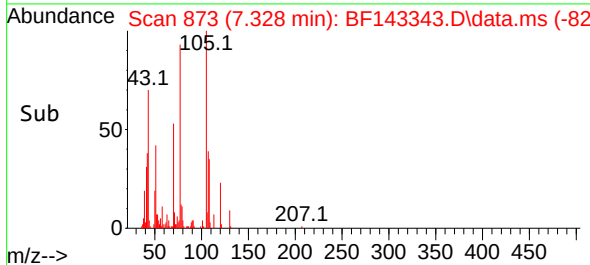
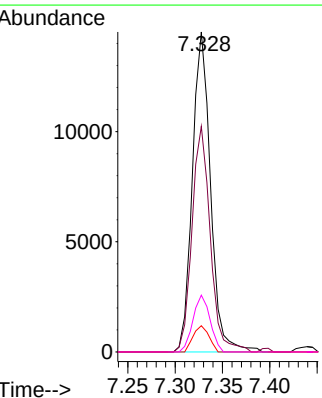
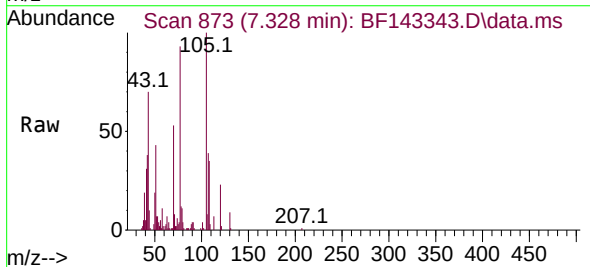
Sig	Exp Ratio
99	100
42	20.8
71	32.7

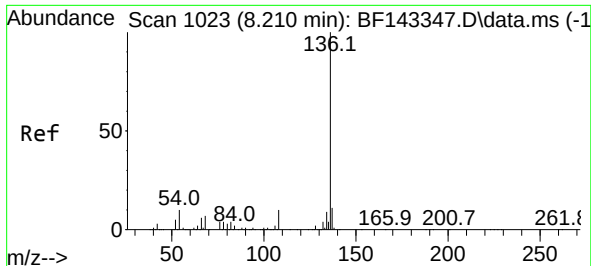


#19
 n-Nitroso-di-n-propylamine
 Concen: 2.609 ng
 RT: 7.328 min Scan# 873
 Delta R.T. -0.012 min
 Lab File: BF143343.D
 Acq: 12 Aug 2025 09:03

Tgt Ion: 70 Resp: 19396

Ion	Ratio	Lower	Upper
70	100		
42	70.5	51.6	77.4
101	8.2	7.5	11.3
130	17.8	15.8	23.6

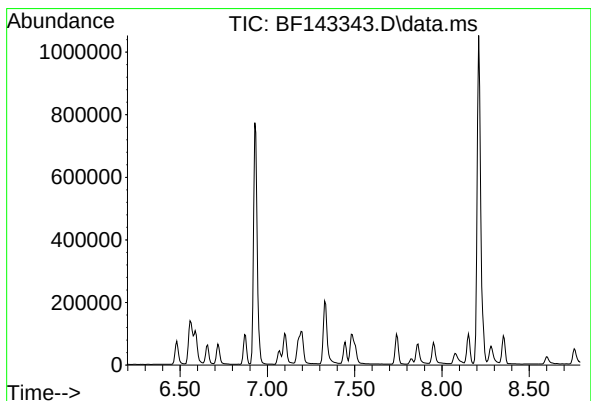
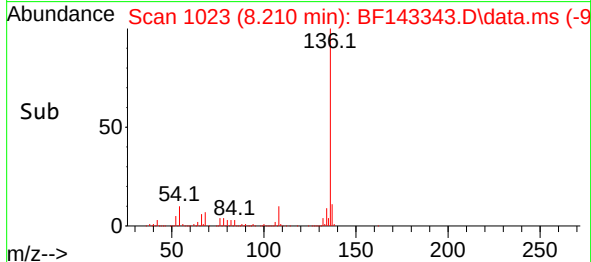
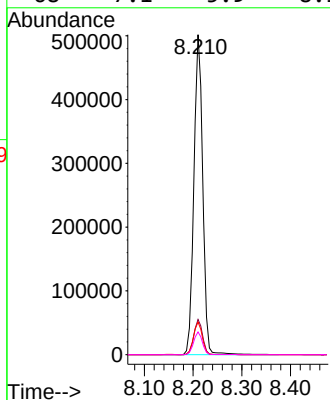
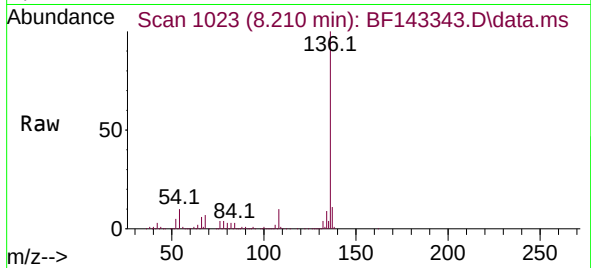




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

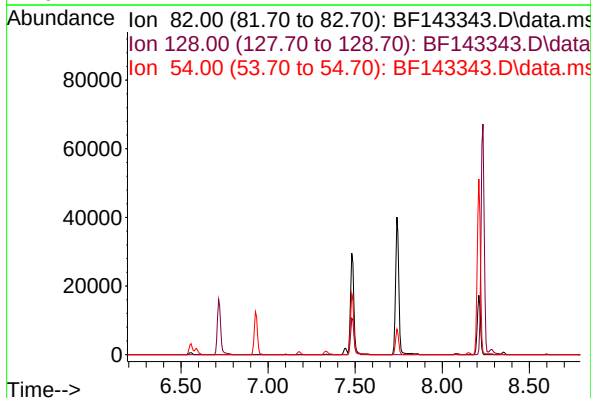
Tgt Ion:136	Resp: 638032
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 10.2	8.4 12.6
68 7.1	5.9 8.9

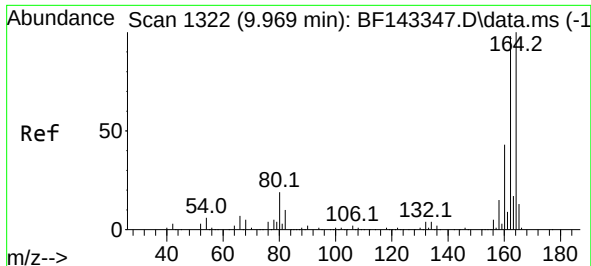


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.49 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

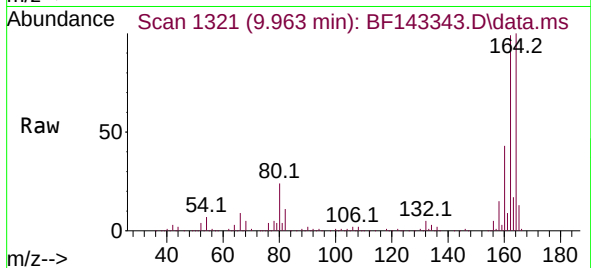
Tgt Ion:	82
Sig	Exp Ratio
82	100
128	41.9
54	58.4



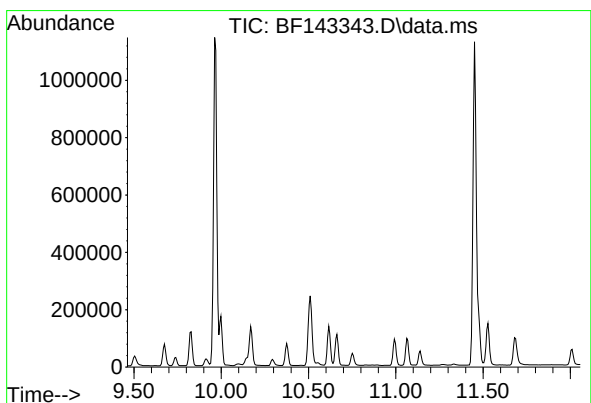
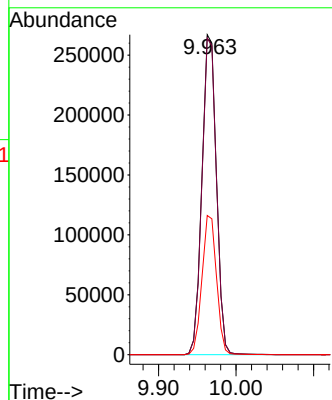
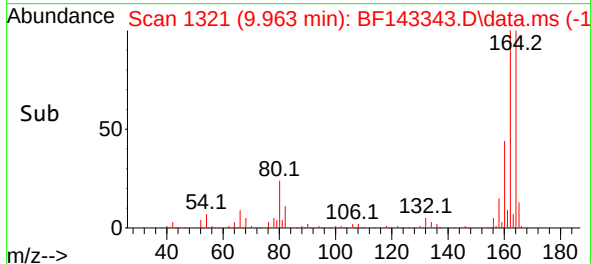


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.963 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143343.D
 Acq: 12 Aug 2025 09:03

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5



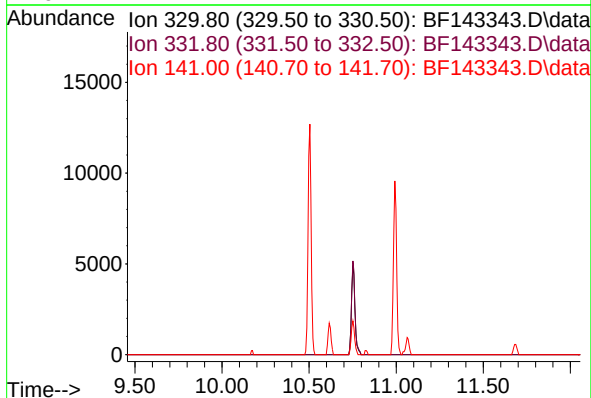
Tgt Ion:164 Resp: 346209
 Ion Ratio Lower Upper
 164 100
 162 99.0 78.6 118.0
 160 43.5 34.4 51.6

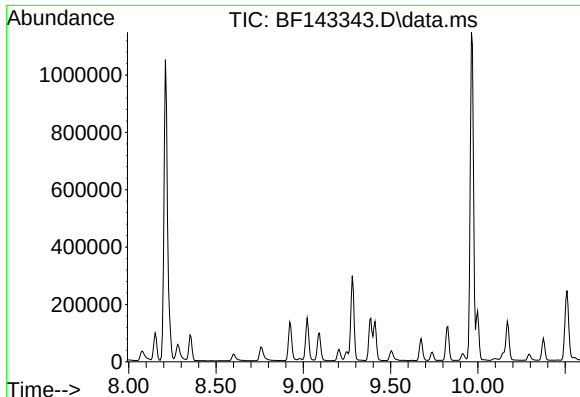


#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.76 min

Lab File: BF143343.D
 Acq: 12 Aug 2025 09:03

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 97.6
 141 31.7



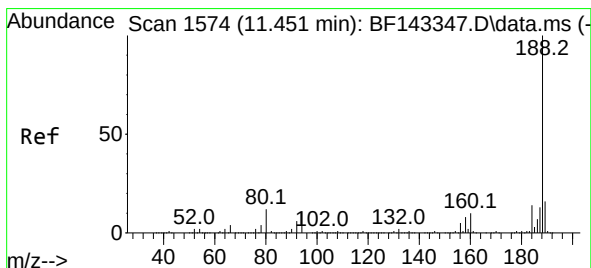
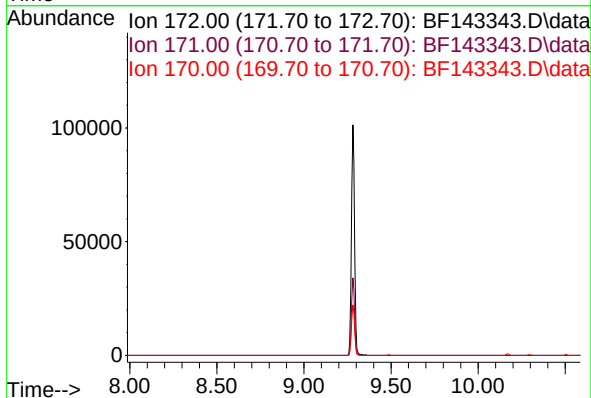


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.29 min
 Lab File: BF143343.D
 Acq: 12 Aug 2025 09:03

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Tgt Ion: 172

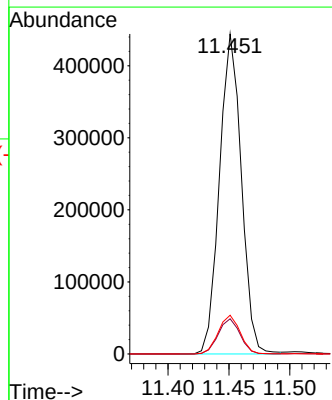
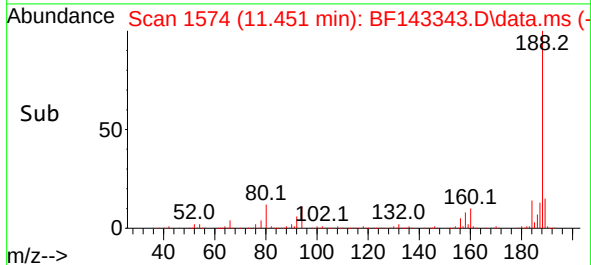
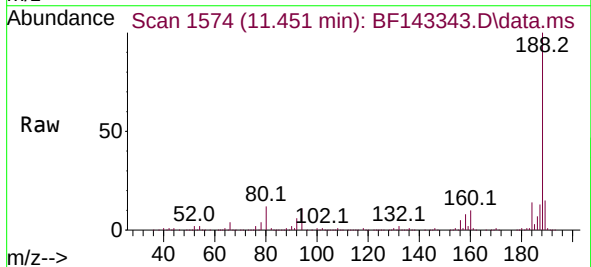
Sig	Exp Ratio
172	100
171	35.5
170	23.9

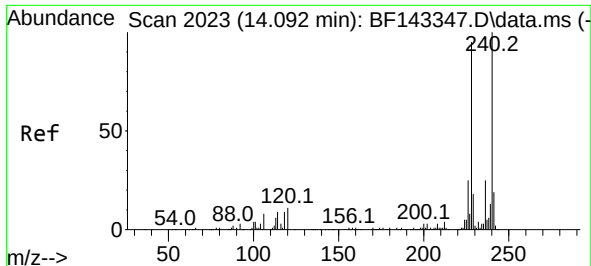


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.451 min Scan# 1574
 Delta R.T. -0.000 min
 Lab File: BF143343.D
 Acq: 12 Aug 2025 09:03

Tgt Ion: 188 Resp: 555179

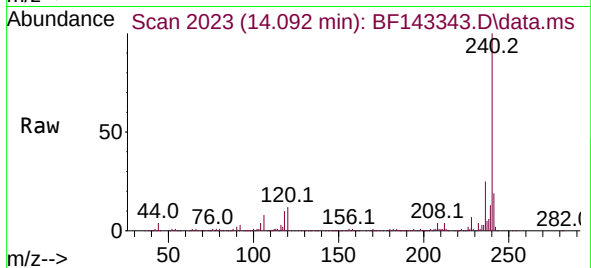
Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	12.1	9.7	14.5



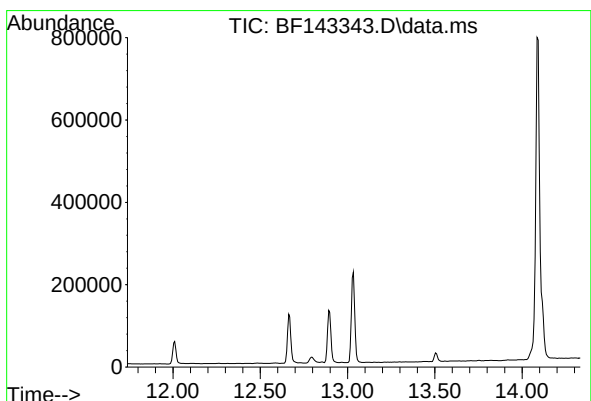
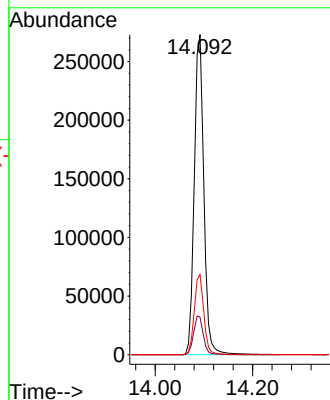
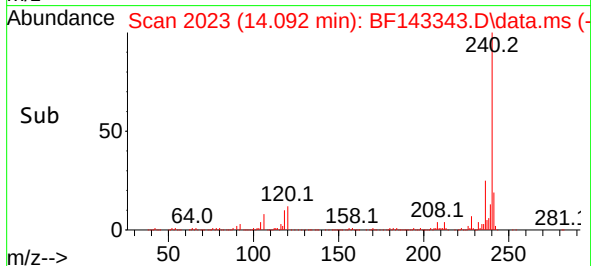


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



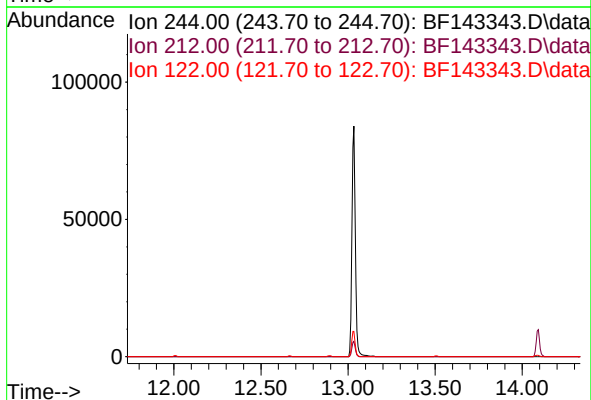
Tgt Ion: 240 Resp: 375834
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.6
236 25.1 19.9 29.9

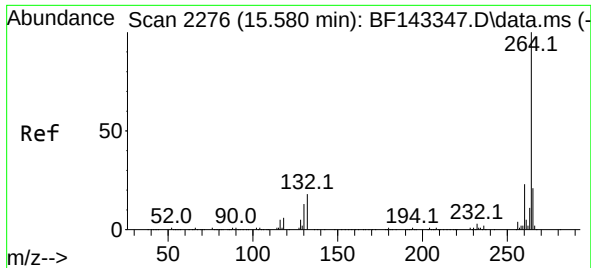


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.03 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

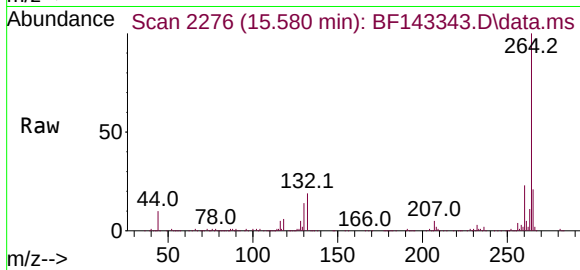
Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.4
122 11.1



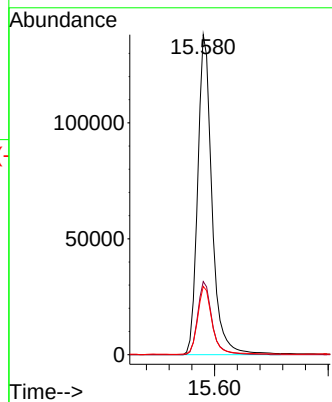
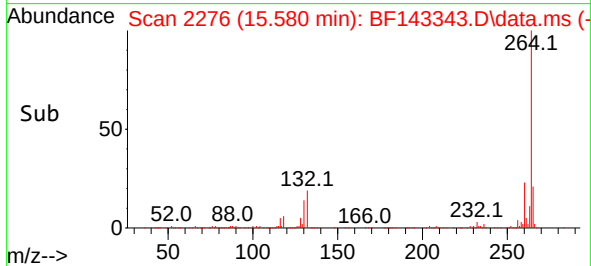


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF143343.D
 Acq: 12 Aug 2025 09:03

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5



Tgt Ion:264 Resp: 241869
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.7 28.1
 265 21.3 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143344.D
 Acq On : 12 Aug 2025 09:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Aug 12 13:16:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162290	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	628268	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	344999	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	557349	20.000	ng	0.00
76) Chrysene-d12	14.086	240	344394	20.000	ng	0.00
86) Perylene-d12	15.580	264	252587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	93734	9.988	ng	0.00
7) Phenol-d6	6.551	99	123886	10.294	ng	-0.01
23) Nitrobenzene-d5	7.481	82	87105	8.634	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	18107	7.182	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	249109	12.244	ng	0.00
79) Terphenyl-d14	13.027	244	230289	11.938	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.775	88	24600	5.066	ng	96
3) Pyridine	3.563	79	59883	4.627	ng	98
6) Aniline	6.587	93	87728	5.171	ng	99
8) 2-Chlorophenol	6.716	128	47366	4.723	ng	97
10) Phenol	6.569	94	73959	5.187	ng	95
11) bis(2-Chloroethyl)ether	6.657	93	55039	5.238	ng	98
12) 1,3-Dichlorobenzene	6.869	146	62932	5.441	ng	98
13) 1,4-Dichlorobenzene	6.945	146	63946	5.508	ng	98
14) 1,2-Dichlorobenzene	7.098	146	60298	5.472	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	102291	5.453	ng	97
17) 2-Methylphenol	7.175	107	41246	4.873	ng	97
18) Hexachloroethane	7.445	117	17263	4.743	ng	96
19) n-Nitroso-di-n-propyla...	7.328	70	40228	5.410	ng	98
22) Acetophenone	7.328	105	78486	5.670	ng	# 97
24) Nitrobenzene	7.498	77	50634	4.621	ng	96
25) Isophorone	7.739	82	108673	5.276	ng	97
26) 2-Nitrophenol	7.822	139	10813	5.918	ng	95
27) 2,4-Dimethylphenol	7.857	122	40753	4.743	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	66594	5.296	ng	98
29) 2,4-Dichlorophenol	8.069	162	38135	4.544	ng	97
30) 1,2,4-Trichlorobenzene	8.151	180	46949	5.303	ng	98
31) Naphthalene	8.233	128	170051	5.625	ng	99
33) 4-Chloroaniline	8.281	127	56886	5.217	ng	99
34) Hexachlorobutadiene	8.351	225	29122	5.288	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	42384	4.817	ng	99
37) 2-Methylnaphthalene	8.922	142	113134	5.692	ng	99
38) 1-Methylnaphthalene	9.022	142	108359	5.661	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	50724	5.373	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	20838	3.890	ng	98
44) 2,4,5-Trichlorophenol	9.245	196	26517	4.384	ng	99
46) 1,1'-Biphenyl	9.380	154	139115	5.703	ng	100
47) 2-Chloronaphthalene	9.410	162	104874	5.459	ng	97
48) 2-Nitroaniline	9.498	65	16200	5.521	ng	89
49) Acenaphthylene	9.822	152	151682	5.467	ng	99
50) Dimethylphthalate	9.675	163	100034	4.962	ng	100
51) 2,6-Dinitrotoluene	9.739	165	10751	5.607	ng	89

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143344.D
 Acq On : 12 Aug 2025 09:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

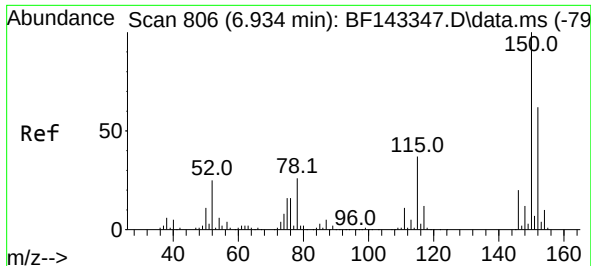
Instrument :
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 ClientSampleId :
 SSTDICC005

Quant Time: Aug 12 13:16:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.998	154	104223	5.651	ng	99
53) 3-Nitroaniline	9.910	138	13704	3.319	ng #	85
55) Dibenzofuran	10.169	168	151524	5.708	ng	99
57) 2,4-Dinitrotoluene	10.139	165	13285	5.473	ng #	85
58) Fluorene	10.510	166	119124	5.875	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	14793	3.628	ng #	98
60) Diethylphthalate	10.375	149	87234	4.831	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	55620	5.677	ng	99
62) 4-Nitroaniline	10.516	138	15026	3.762	ng	95
63) Azobenzene	10.663	77	112299	5.445	ng	99
66) n-Nitrosodiphenylamine	10.616	169	96579	5.263	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	32274	5.063	ng	98
68) Hexachlorobenzene	11.063	284	35913	5.227	ng	96
69) Atrazine	11.139	200	20457	4.274	ng	100
71) Phenanthrene	11.474	178	169159	5.563	ng	99
72) Anthracene	11.527	178	170698	5.535	ng	98
73) Carbazole	11.680	167	146129	5.564	ng	99
74) Di-n-butylphthalate	12.004	149	93961	4.228	ng	99
75) Fluoranthene	12.663	202	156101	5.860	ng	99
78) Pyrene	12.892	202	165633	5.733	ng	98
80) Butylbenzylphthalate	13.504	149	15374	5.856	ng	99
81) Benzo(a)anthracene	14.080	228	114909	5.250	ng	98
83) Chrysene	14.115	228	109349	5.357	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	19633	6.133	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	88484	4.890	ng	98
88) Benzo(b)fluoranthene	15.139	252	74031	5.359	ng	98
89) Benzo(k)fluoranthene	15.168	252	67207	5.006	ng	99
90) Benzo(a)pyrene	15.515	252	66211	5.089	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	71319	4.933	ng	98
92) Benzo(g,h,i)perylene	17.551	276	69991	4.806	ng #	93

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

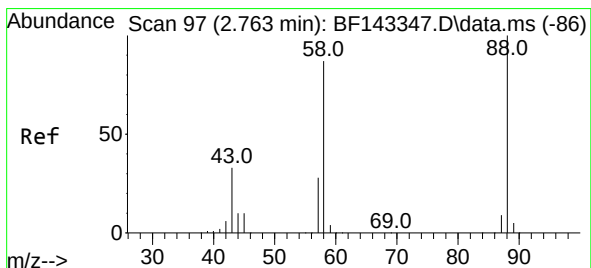
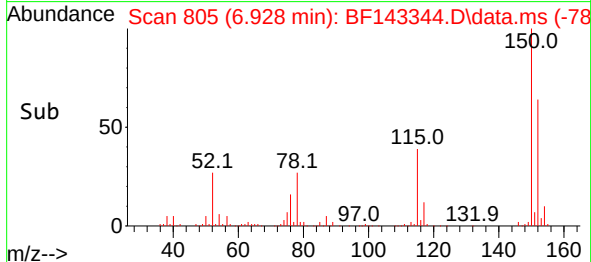
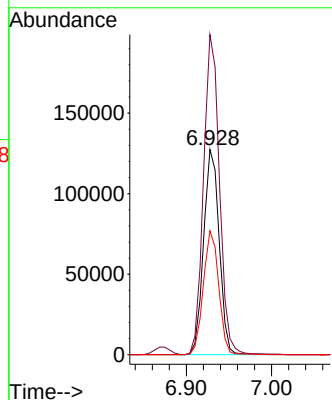
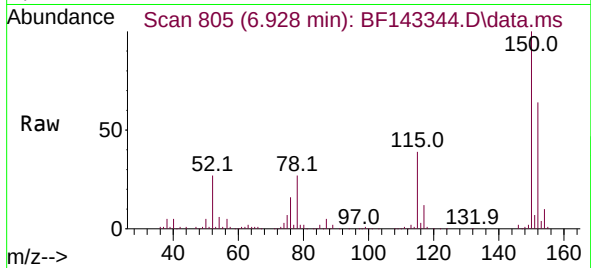
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- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF143344.D
 Acq: 12 Aug 2025 09:34

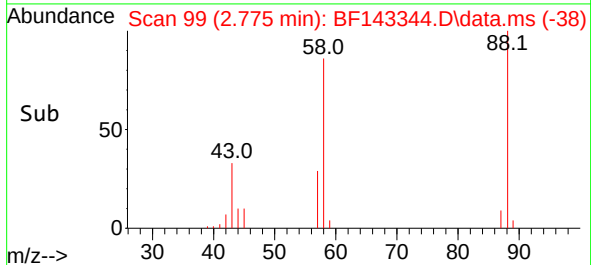
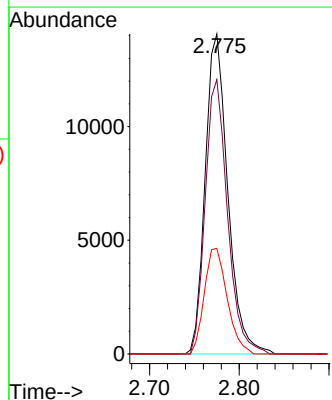
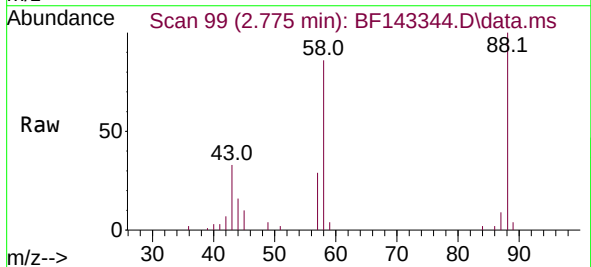
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

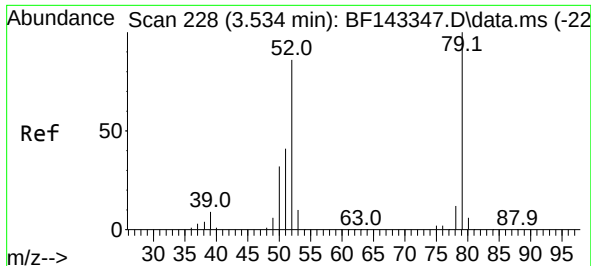
Tgt Ion:152 Resp: 162290
 Ion Ratio Lower Upper
 152 100
 150 156.0 129.8 194.8
 115 60.3 47.8 71.8



#2
 1,4-Dioxane
 Concen: 5.066 ng
 RT: 2.775 min Scan# 99
 Delta R.T. 0.012 min
 Lab File: BF143344.D
 Acq: 12 Aug 2025 09:34

Tgt Ion: 88 Resp: 24600
 Ion Ratio Lower Upper
 88 100
 58 84.4 71.0 106.6
 43 33.4 27.0 40.6

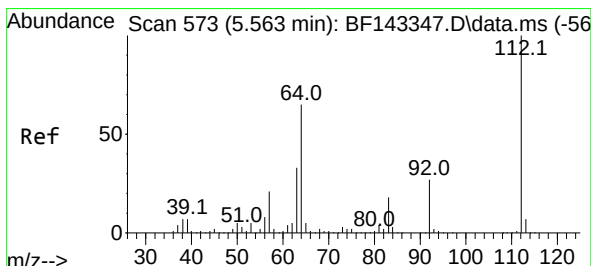
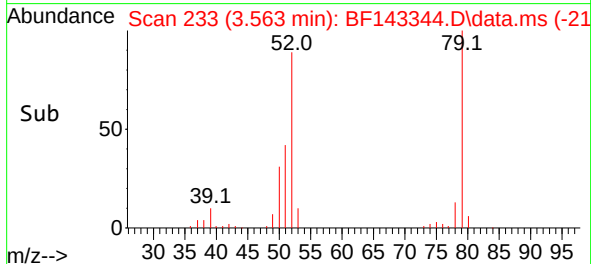
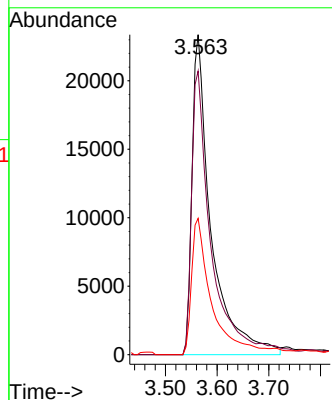
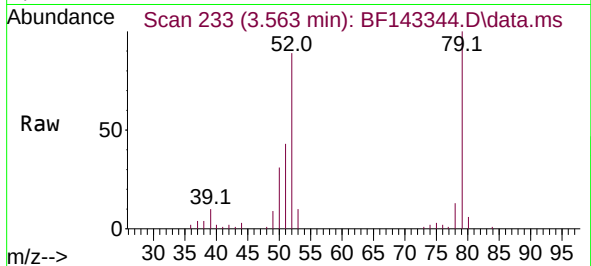




#3
Pyridine
Concen: 4.627 ng
RT: 3.563 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

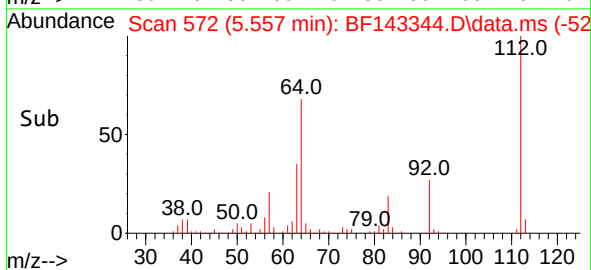
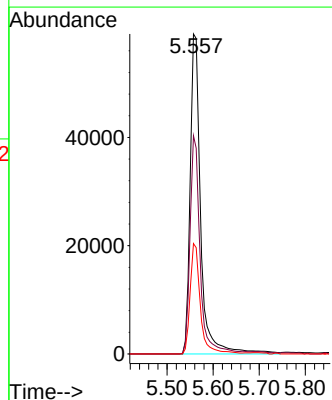
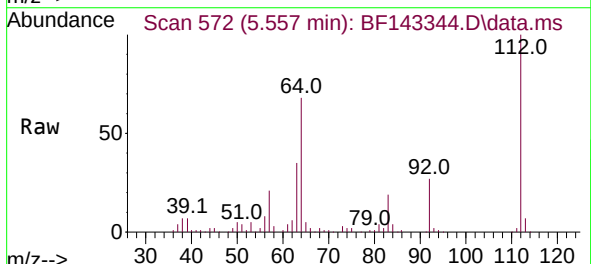
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

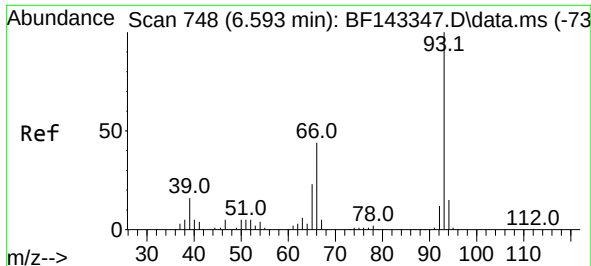
Tgt Ion: 79 Resp: 59883
Ion Ratio Lower Upper
79 100
52 88.6 68.7 103.1
51 42.6 33.4 50.0



#5
2-Fluorophenol
Concen: 9.988 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 112 Resp: 93734
Ion Ratio Lower Upper
112 100
64 68.2 52.1 78.1
63 34.5 26.6 39.8

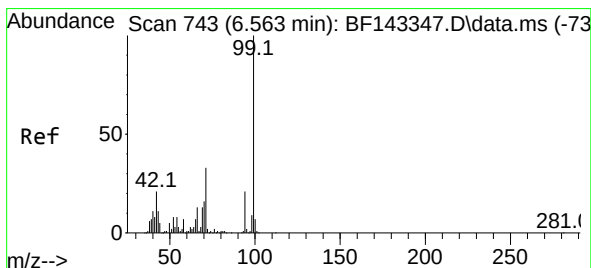
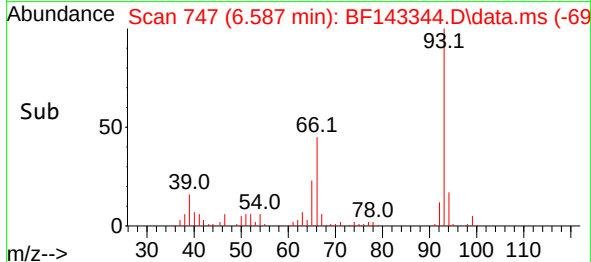
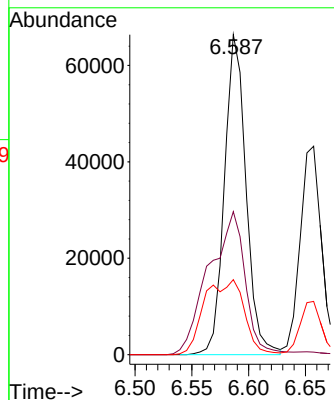
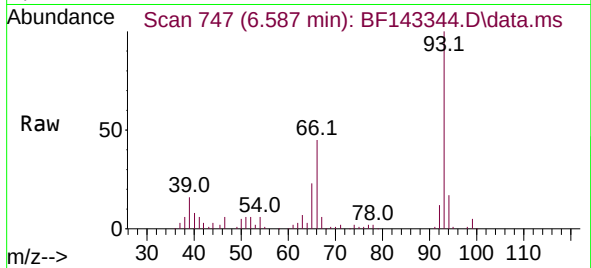




#6
Aniline
Concen: 5.171 ng
RT: 6.587 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

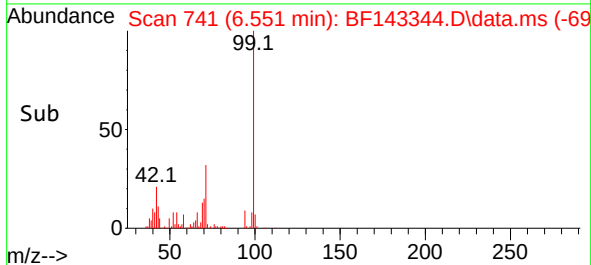
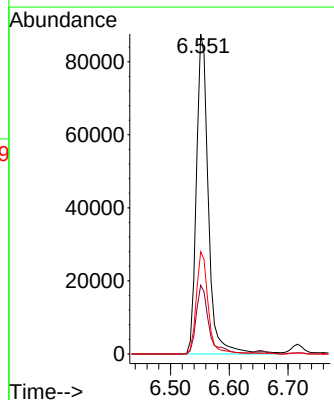
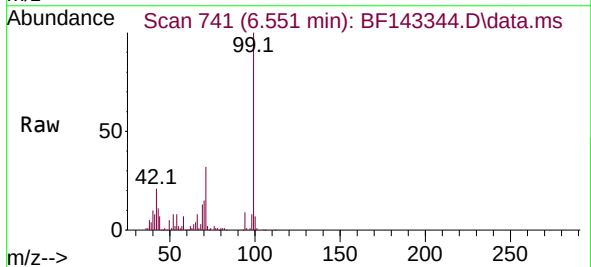
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ClientSampleId :
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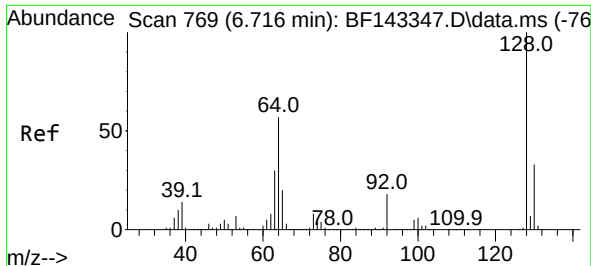
Tgt Ion: 93 Resp: 87728
Ion Ratio Lower Upper
93 100
66 44.7 35.3 52.9
65 23.5 18.2 27.4



#7
Phenol-d6
Concen: 10.294 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 99 Resp: 123886
Ion Ratio Lower Upper
99 100
42 21.5 16.6 25.0
71 31.9 26.2 39.2

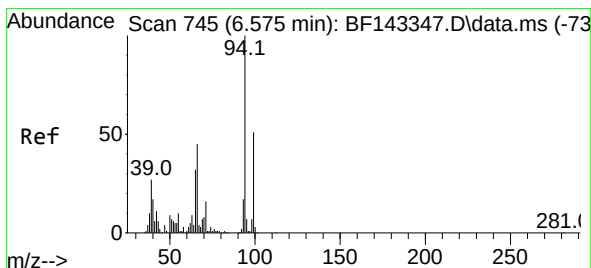
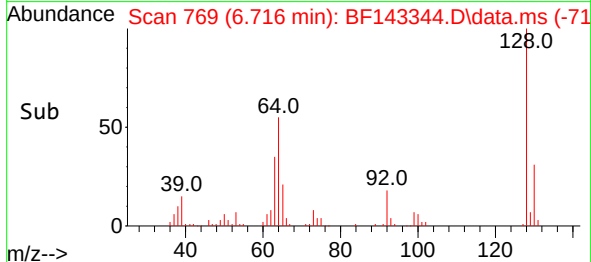
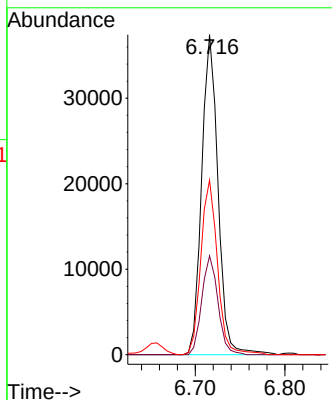
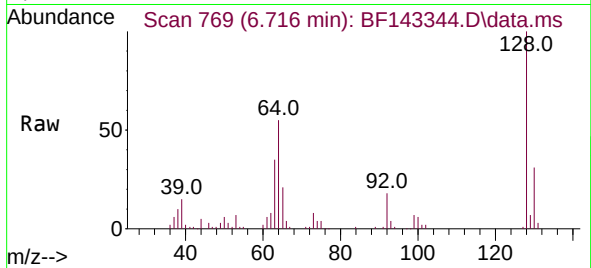




#8
2-Chlorophenol
Concen: 4.723 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

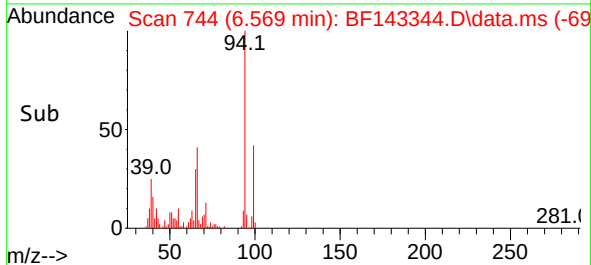
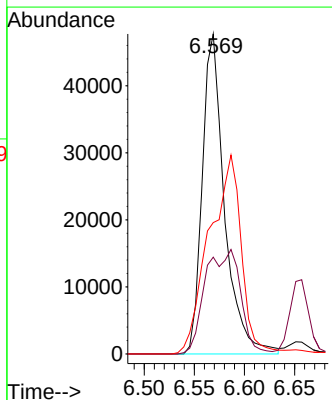
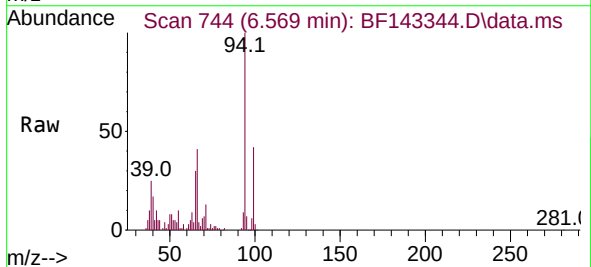
Instrument :
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ClientSampleId :
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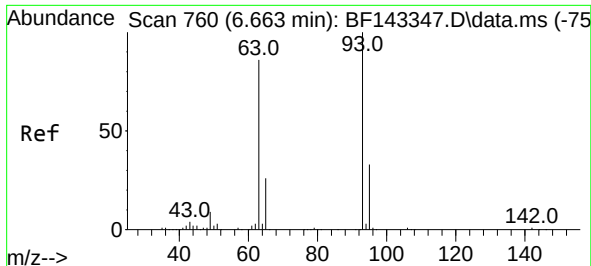
Tgt Ion:128 Resp: 47366
Ion Ratio Lower Upper
128 100
130 30.9 12.6 52.6
64 54.6 36.7 76.7



#10
Phenol
Concen: 5.187 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 94 Resp: 73959
Ion Ratio Lower Upper
94 100
65 30.3 12.0 52.0
66 41.0 25.6 65.6





#11

bis(2-Chloroethyl)ether

Concen: 5.238 ng

RT: 6.657 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

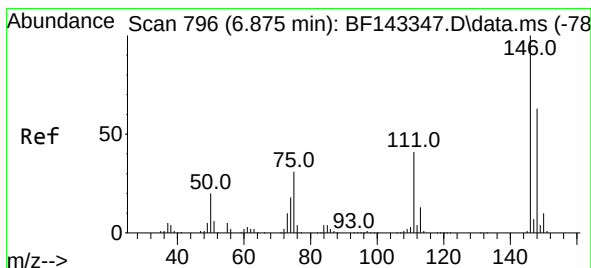
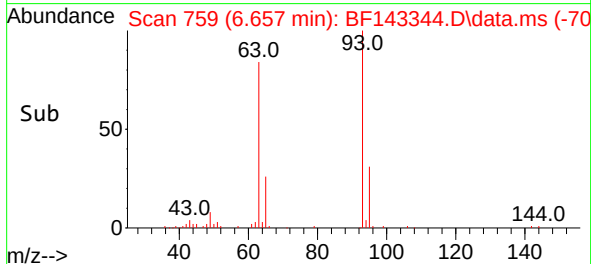
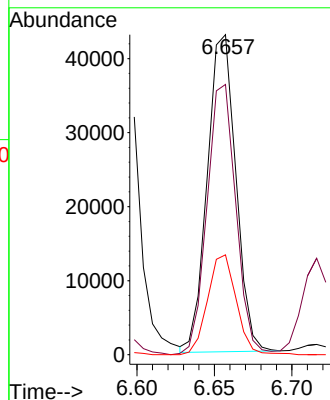
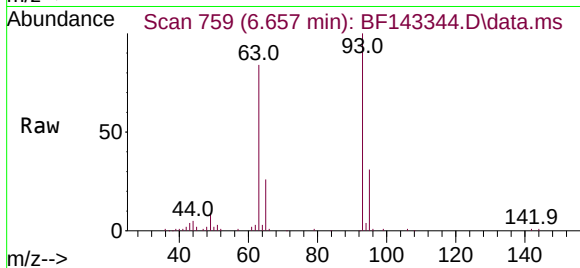
Tgt Ion: 93 Resp: 55039

Ion Ratio Lower Upper

93 100

63 84.4 65.7 105.7

95 31.2 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 5.441 ng

RT: 6.869 min Scan# 795

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

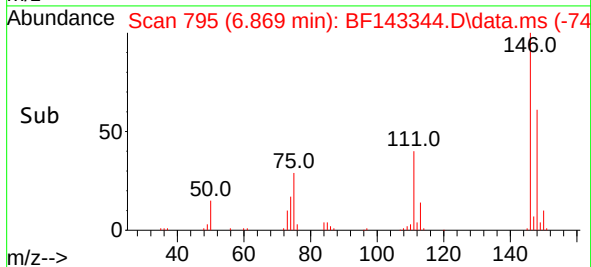
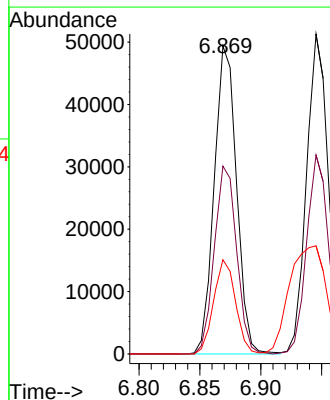
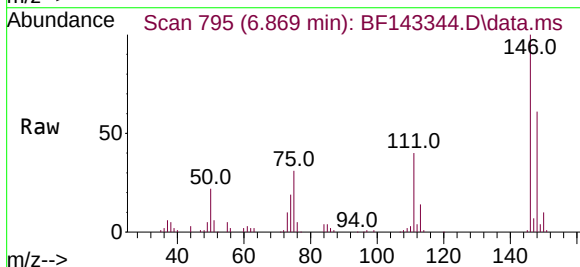
Tgt Ion: 146 Resp: 62932

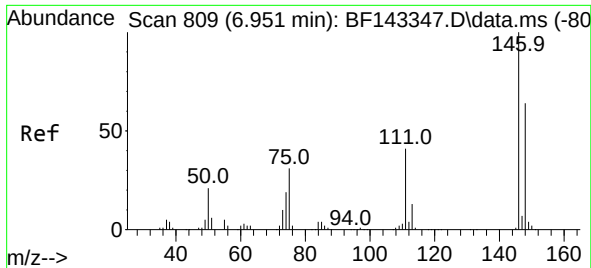
Ion Ratio Lower Upper

146 100

148 61.0 50.5 75.7

75 30.6 24.9 37.3

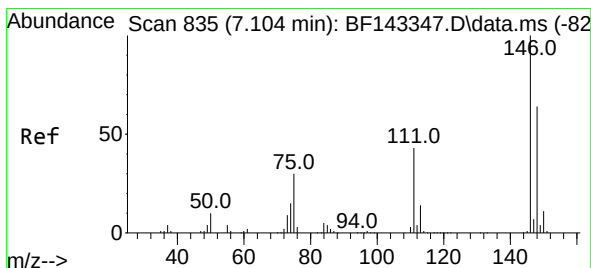
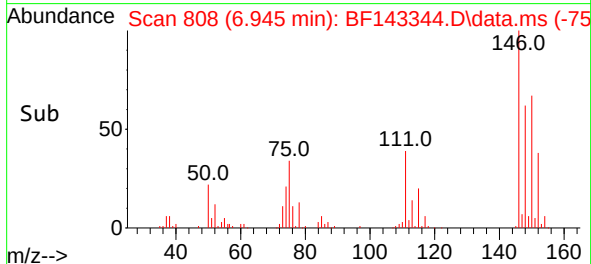
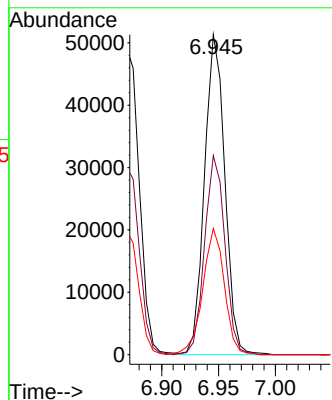
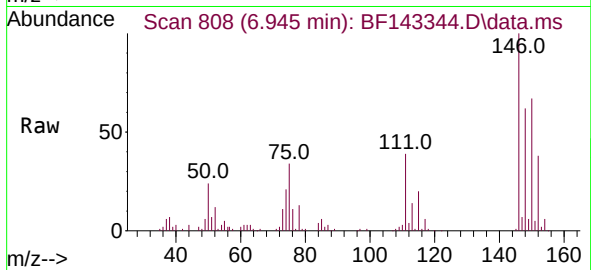




#13
1,4-Dichlorobenzene
Concen: 5.508 ng
RT: 6.945 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

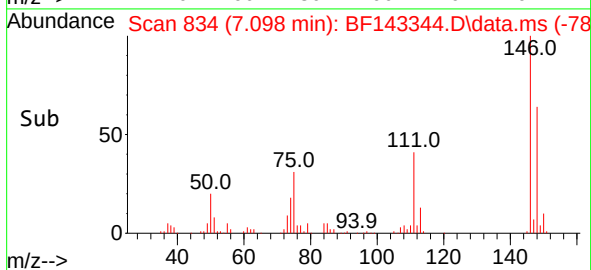
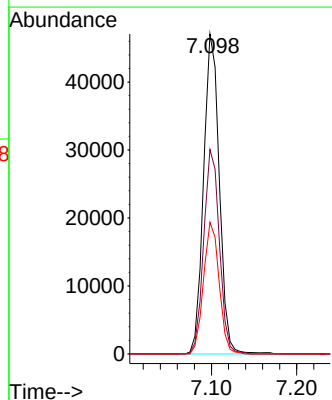
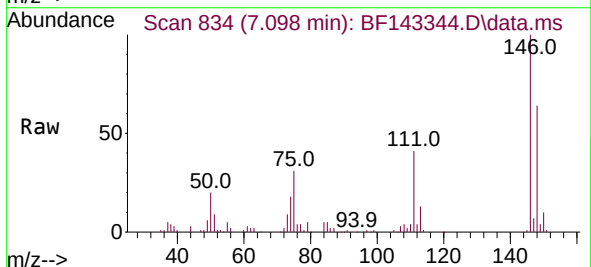
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BNA_F
ClientSampleId :
SSTDICC005

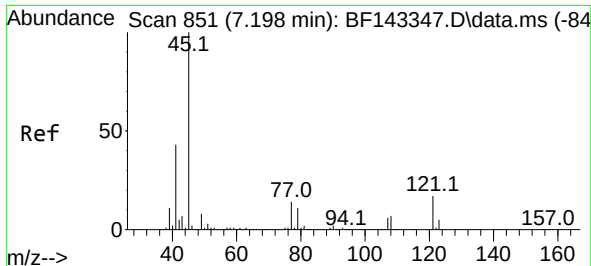
Tgt Ion:146 Resp: 63946
Ion Ratio Lower Upper
146 100
148 62.2 51.4 77.0
111 39.5 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 5.472 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:146 Resp: 60298
Ion Ratio Lower Upper
146 100
148 63.9 51.4 77.2
111 41.1 34.1 51.1

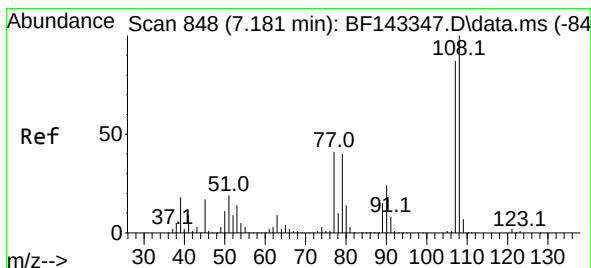
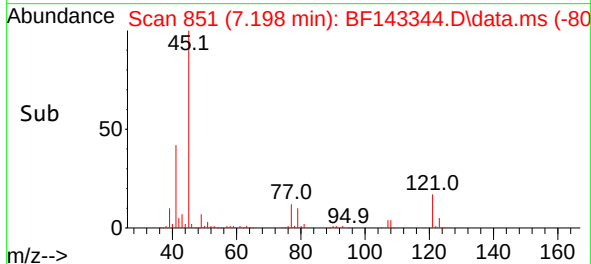
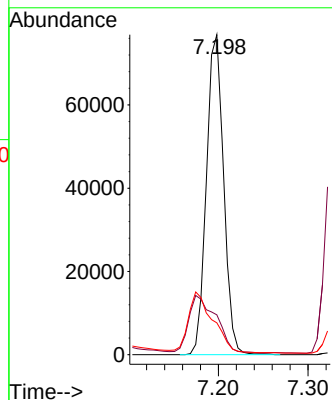
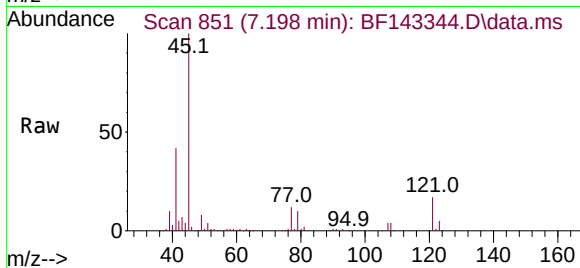




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.453 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

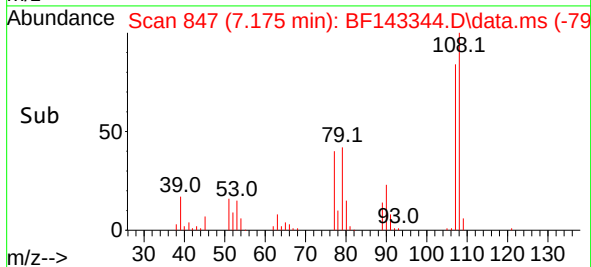
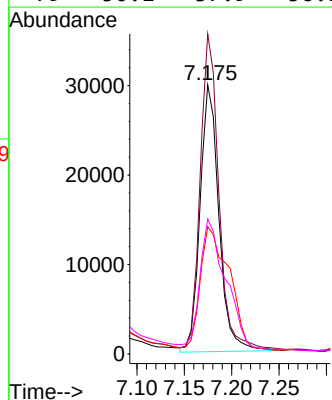
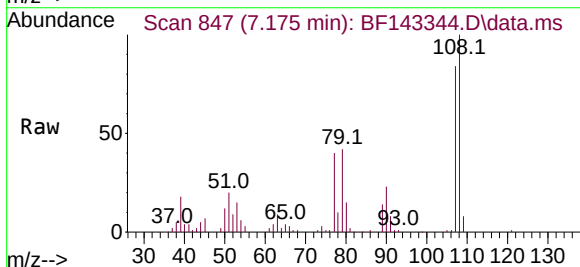
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

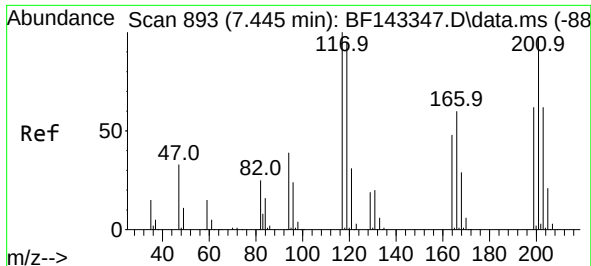
Tgt Ion: 45 Resp: 102291
Ion Ratio Lower Upper
45 100
77 12.5 0.0 34.0
79 10.0 0.0 31.1



#17
2-Methylphenol
Concen: 4.873 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

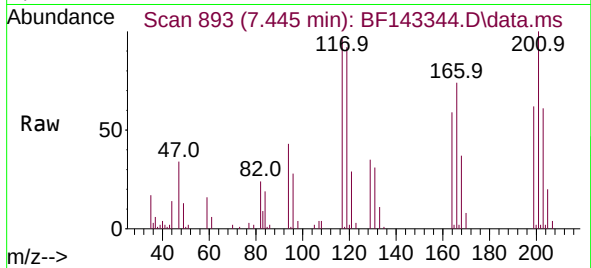
Tgt Ion: 107 Resp: 41246
Ion Ratio Lower Upper
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108 118.9 92.0 138.0
77 47.3 38.2 57.2
79 50.1 37.9 56.9



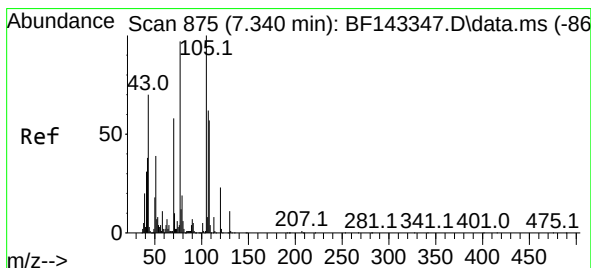
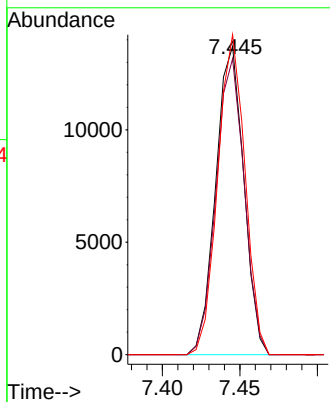
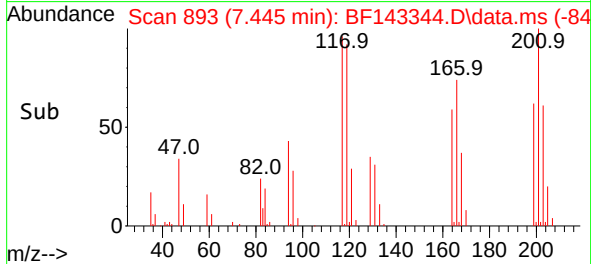


#18
Hexachloroethane
Concen: 4.743 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

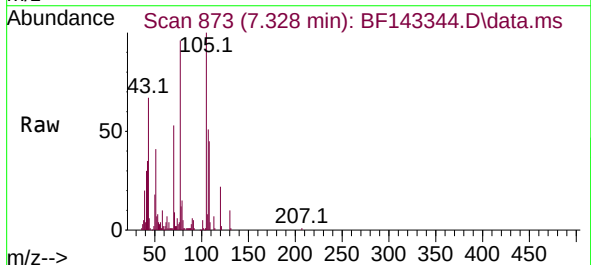
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



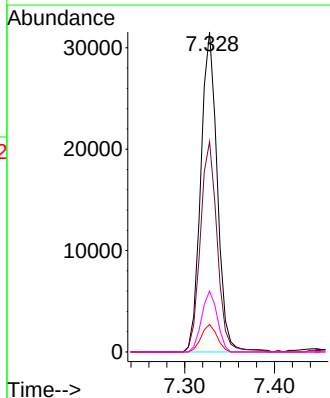
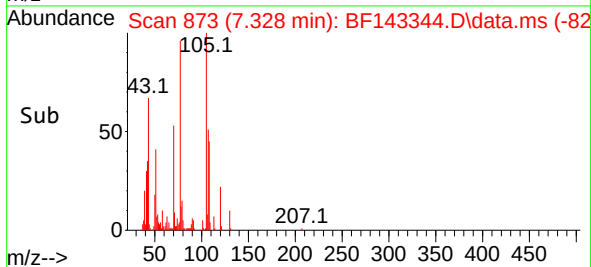
Tgt Ion:117 Resp: 17263
Ion Ratio Lower Upper
117 100
119 96.0 75.8 113.8
201 103.8 77.2 115.8

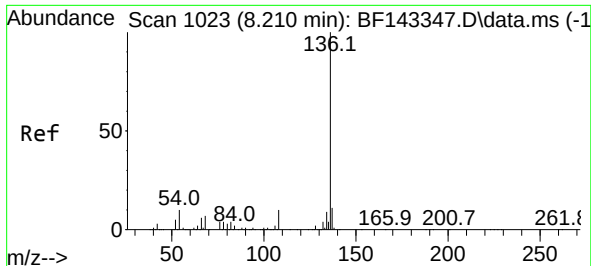


#19
n-Nitroso-di-n-propylamine
Concen: 5.410 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34



Tgt Ion: 70 Resp: 40228
Ion Ratio Lower Upper
70 100
42 65.7 51.6 77.4
101 8.6 7.5 11.3
130 19.1 15.8 23.6

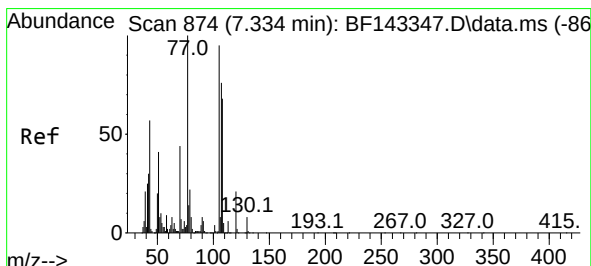
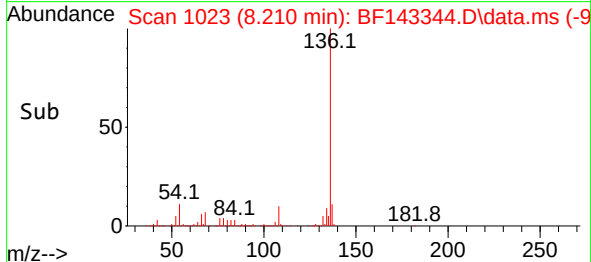
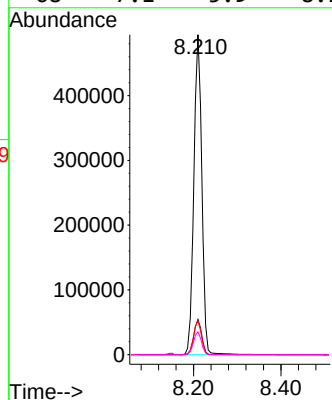
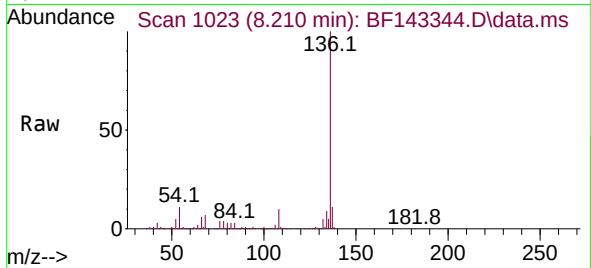




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

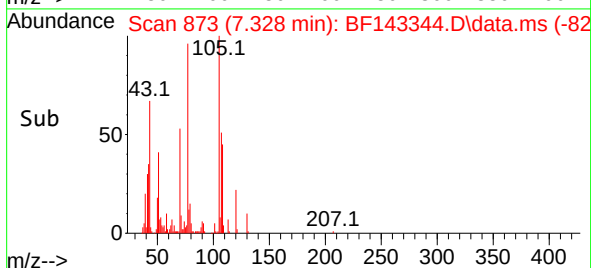
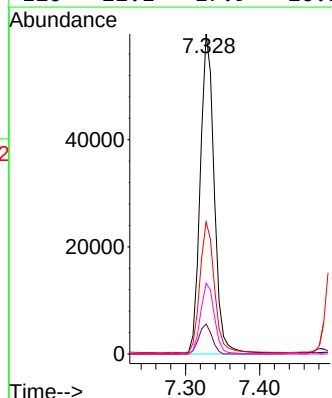
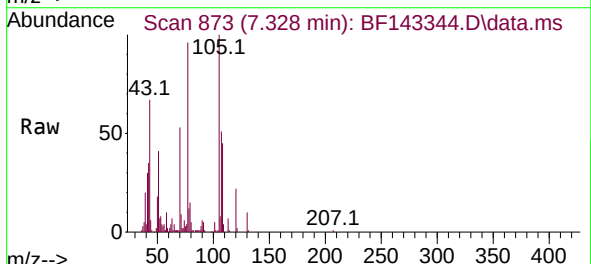
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

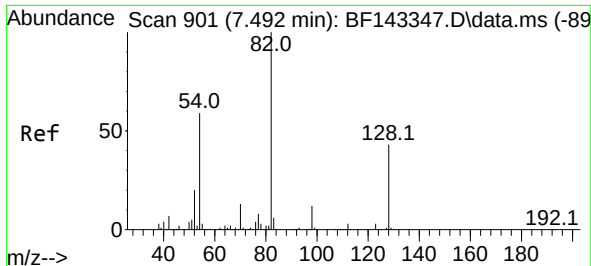
Tgt Ion:	136	Resp:	628268
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	10.5	8.4	12.6
68	7.1	5.9	8.9



#22
Acetophenone
Concen: 5.670 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:	105	Resp:	78486
Ion Ratio	Lower	Upper	
105	100		
71	9.4	6.2	9.4
51	41.3	34.8	52.2
120	22.1	17.9	26.9





#23

Nitrobenzene-d5

Concen: 8.634 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

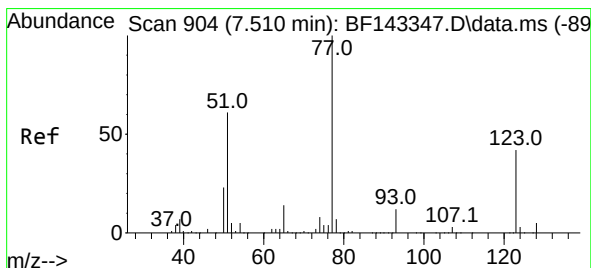
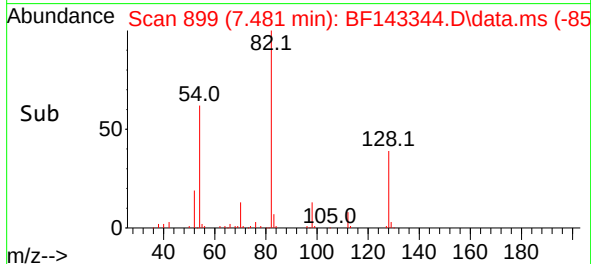
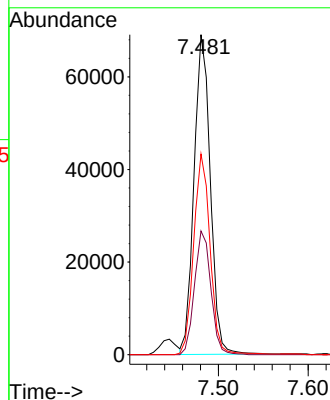
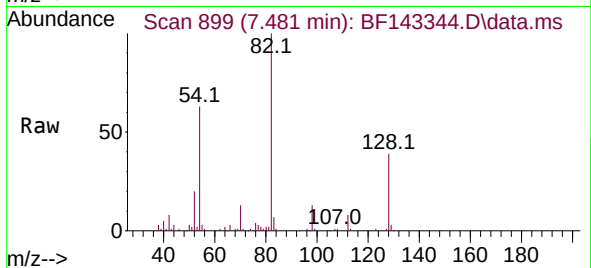
Tgt Ion: 82 Resp: 87105

Ion Ratio Lower Upper

82 100

128 38.7 33.5 50.3

54 62.7 46.7 70.1



#24

Nitrobenzene

Concen: 4.621 ng

RT: 7.498 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

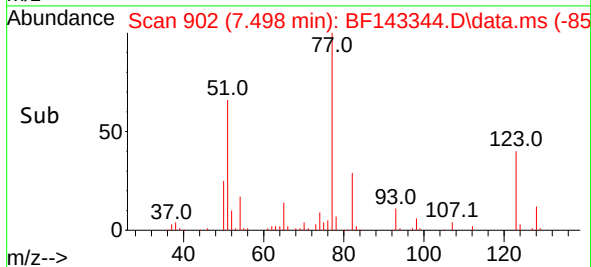
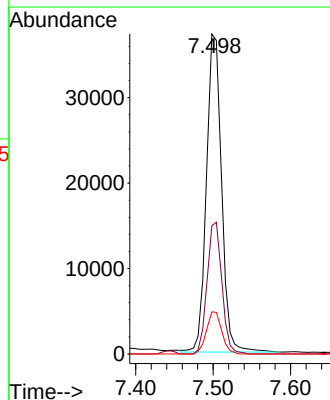
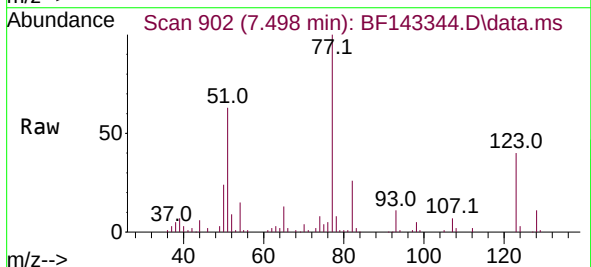
Tgt Ion: 77 Resp: 50634

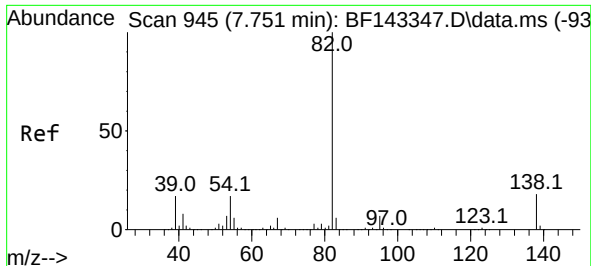
Ion Ratio Lower Upper

77 100

123 40.1 34.8 52.2

65 13.2 11.0 16.6

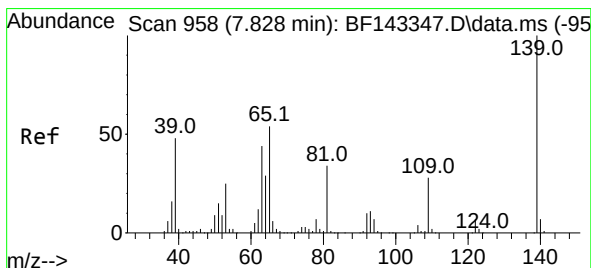
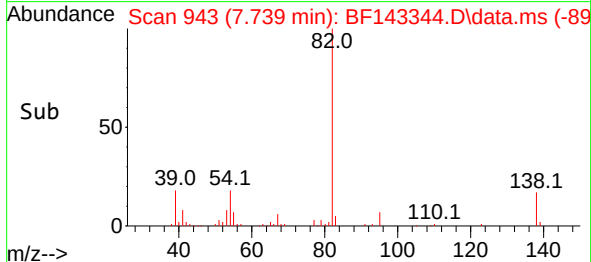
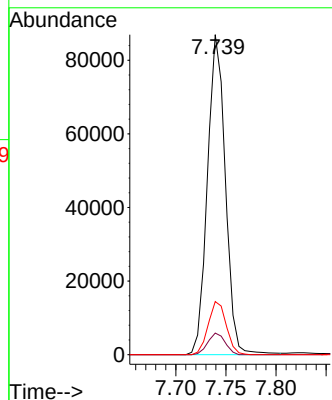
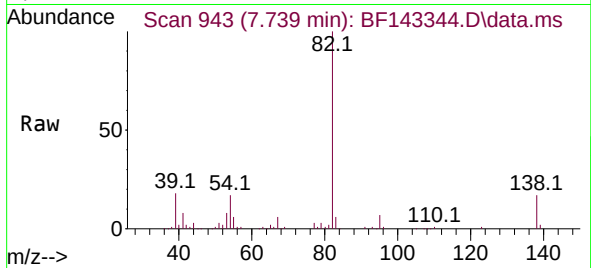




#25
Isophorone
Concen: 5.276 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

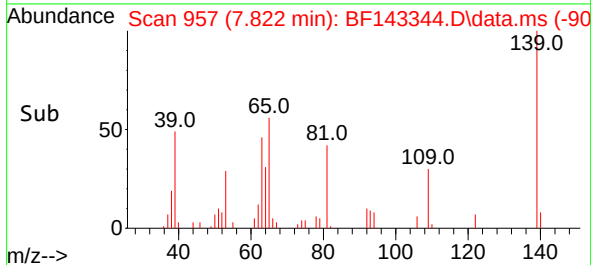
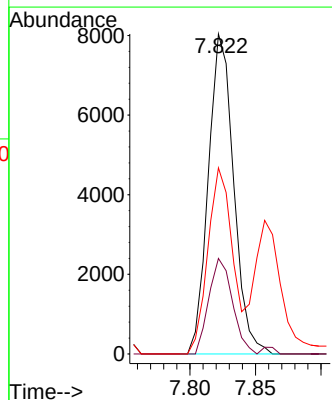
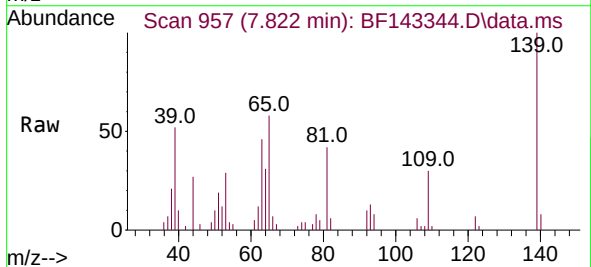
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

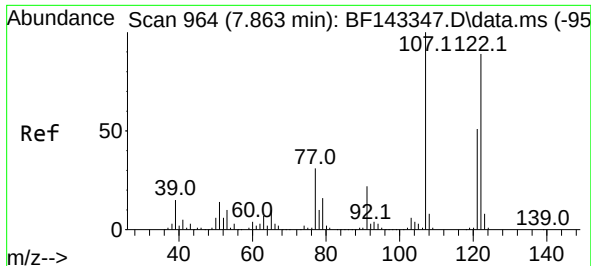
Tgt Ion: 82 Resp: 108673
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 16.6 14.6 21.8



#26
2-Nitrophenol
Concen: 5.918 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 139 Resp: 10813
Ion Ratio Lower Upper
139 100
109 29.8 22.4 33.6
65 58.2 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 4.743 ng

RT: 7.857 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

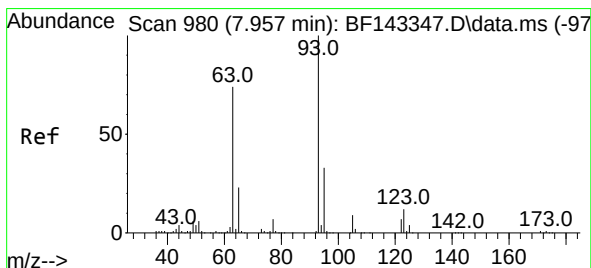
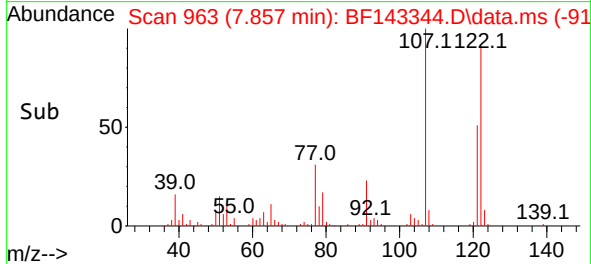
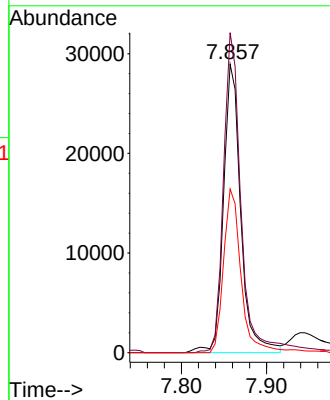
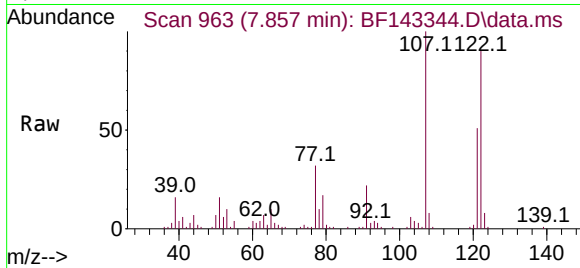
Tgt Ion:122 Resp: 40753

Ion Ratio Lower Upper

122 100

107 110.9 89.9 134.9

121 56.7 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 5.296 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

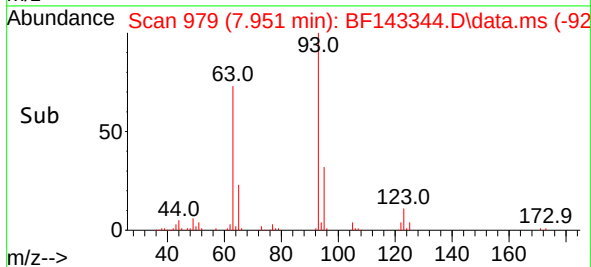
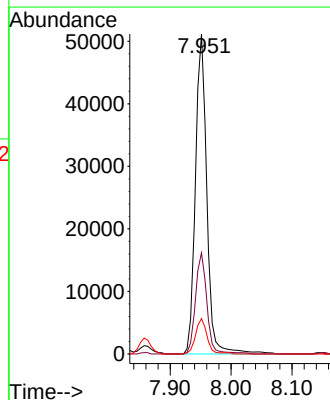
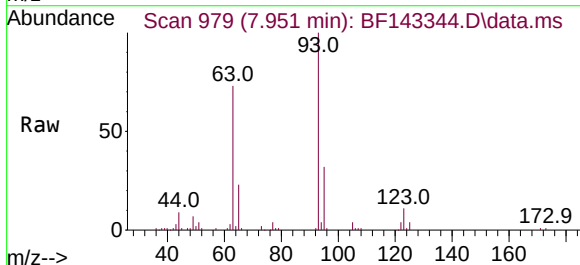
Tgt Ion: 93 Resp: 66594

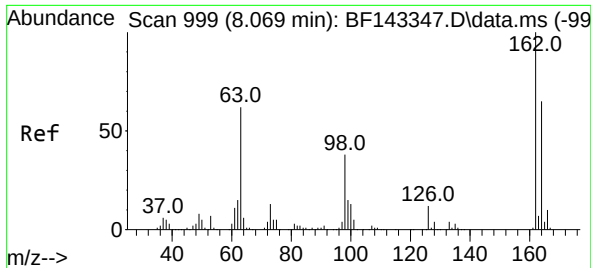
Ion Ratio Lower Upper

93 100

95 31.6 26.2 39.4

123 11.1 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 4.544 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

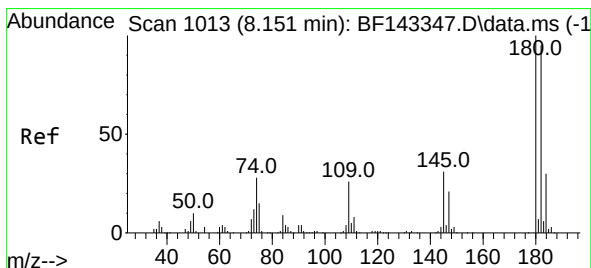
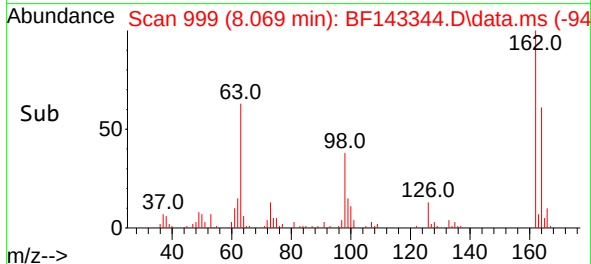
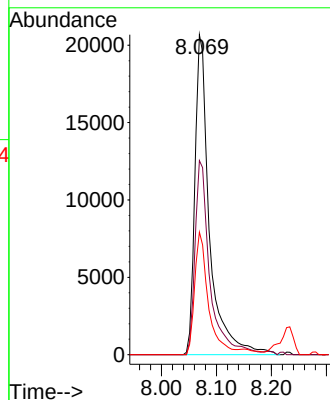
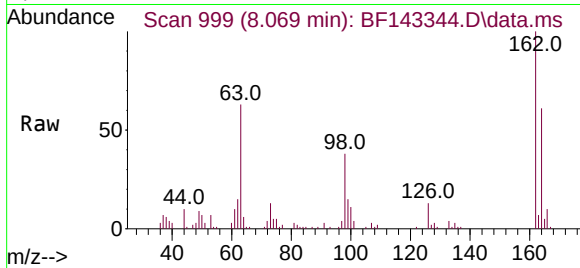
Tgt Ion:162 Resp: 38135

Ion Ratio Lower Upper

162 100

164 60.6 44.5 84.5

98 38.3 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 5.303 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

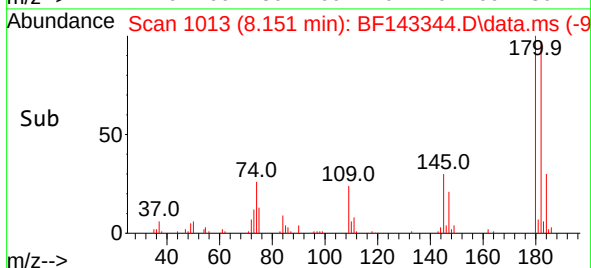
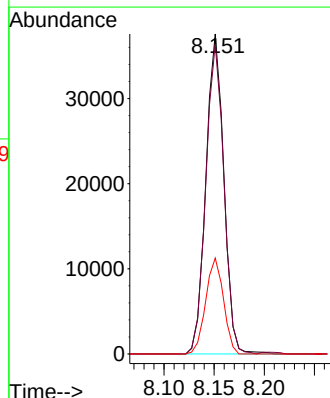
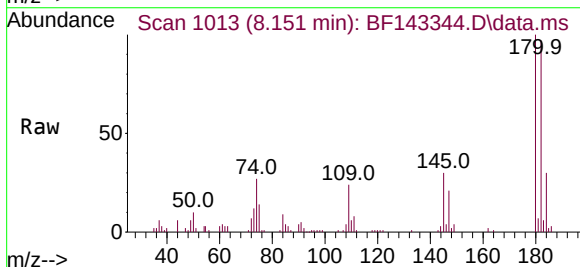
Tgt Ion:180 Resp: 46949

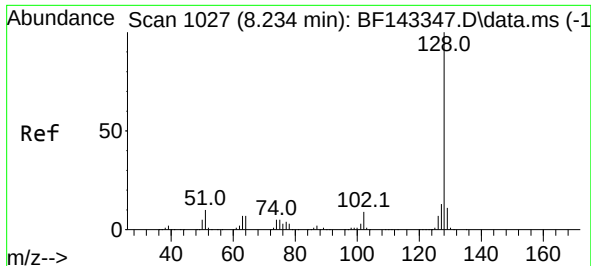
Ion Ratio Lower Upper

180 100

182 96.7 76.1 114.1

145 30.0 24.9 37.3

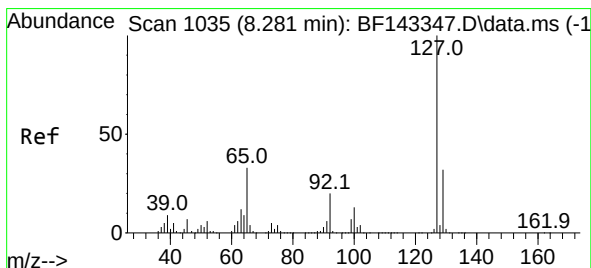
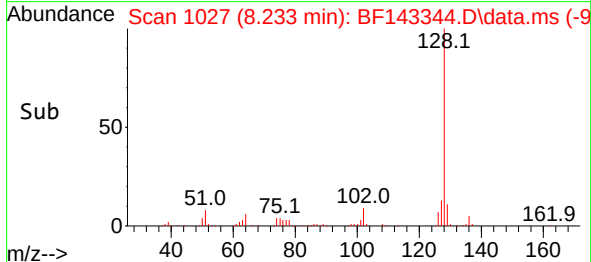
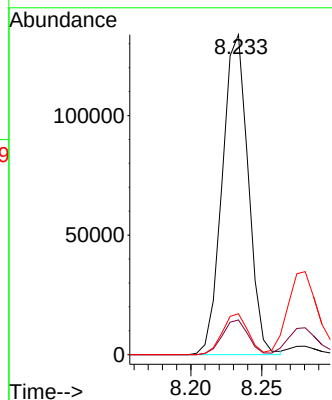
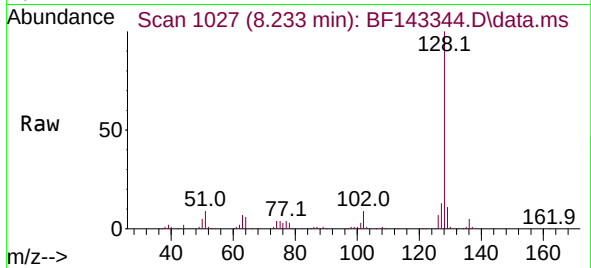




#31
Naphthalene
Concen: 5.625 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

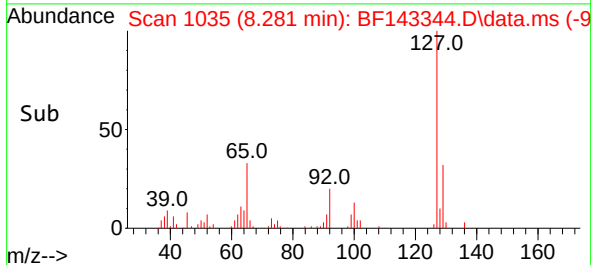
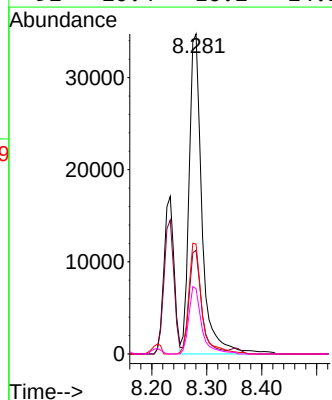
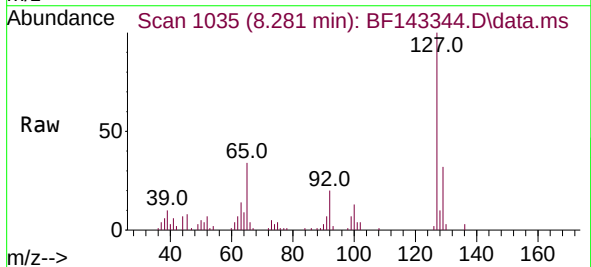
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

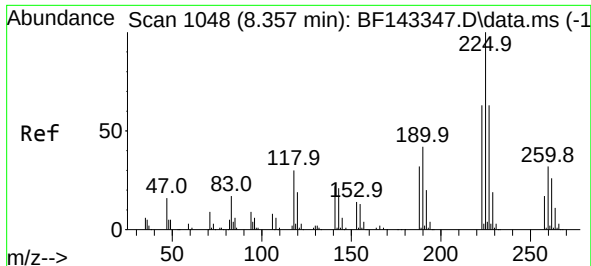
Tgt Ion:128 Resp: 170051
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 12.8 10.7 16.1



#33
4-Chloroaniline
Concen: 5.217 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:127 Resp: 56886
Ion Ratio Lower Upper
127 100
129 32.4 26.0 39.0
65 34.4 27.0 40.4
92 20.4 16.2 24.2

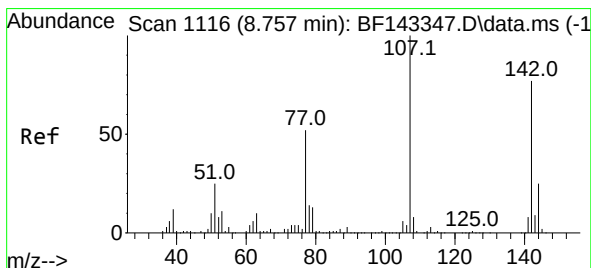
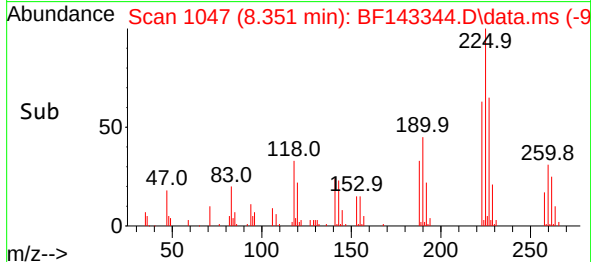
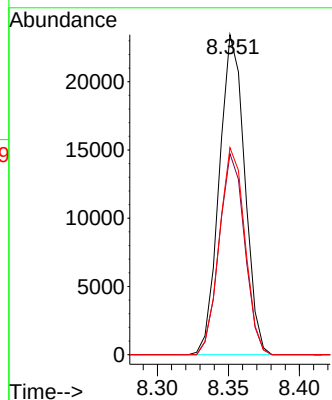
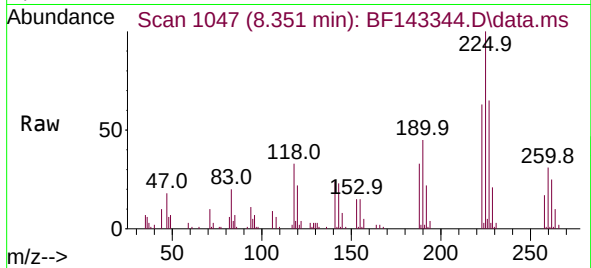




#34
Hexachlorobutadiene
Concen: 5.288 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

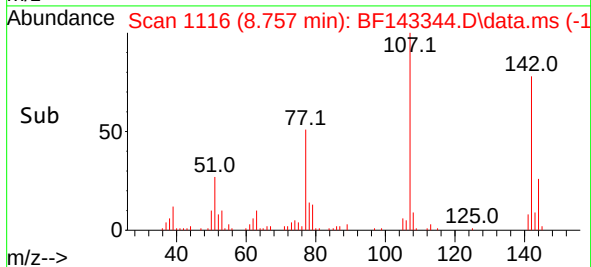
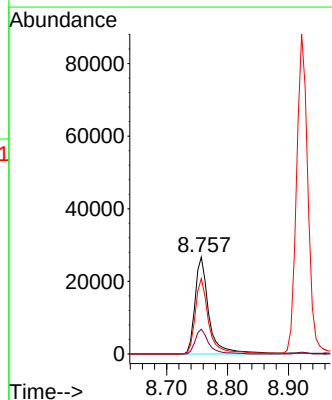
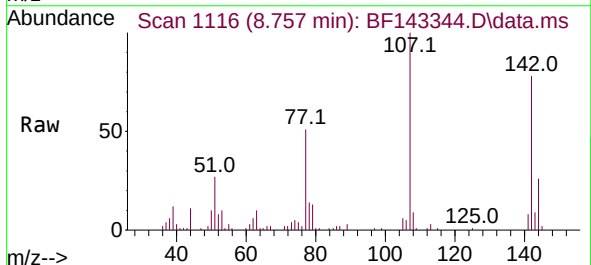
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

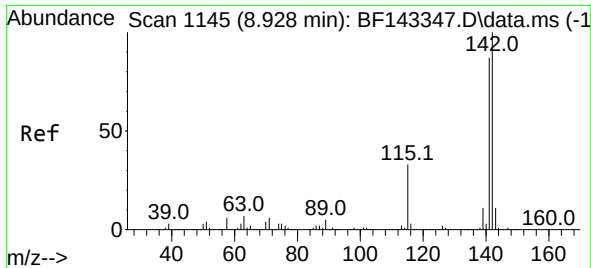
Tgt Ion:225 Resp: 29122
Ion Ratio Lower Upper
225 100
223 62.8 50.1 75.1
227 64.7 50.6 75.8



#36
4-Chloro-3-methylphenol
Concen: 4.817 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:107 Resp: 42384
Ion Ratio Lower Upper
107 100
144 25.6 20.0 30.0
142 77.7 61.3 91.9

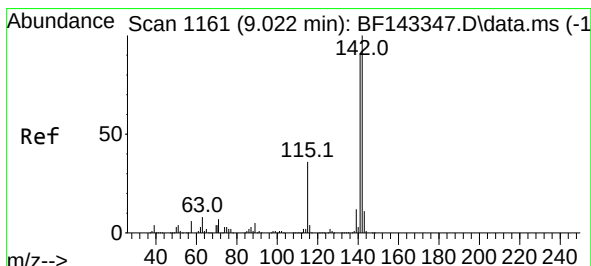
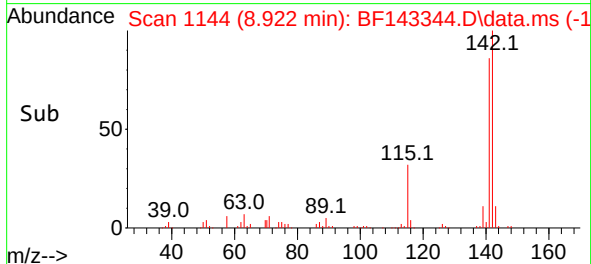
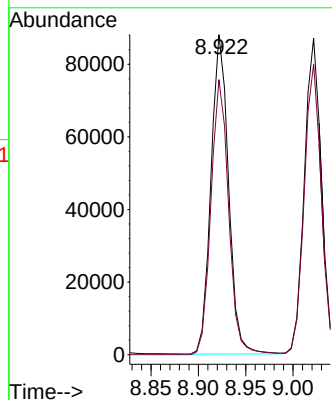
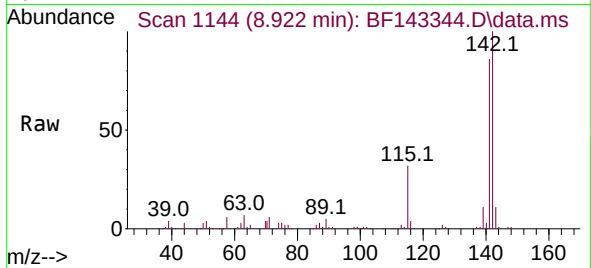




#37
2-Methylnaphthalene
Concen: 5.692 ng
RT: 8.922 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

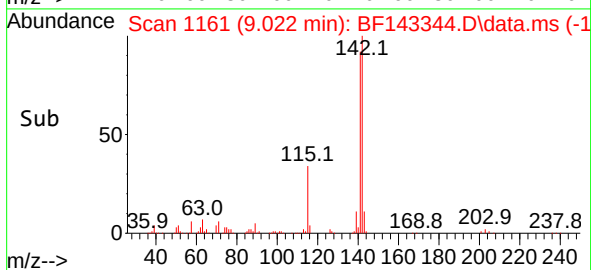
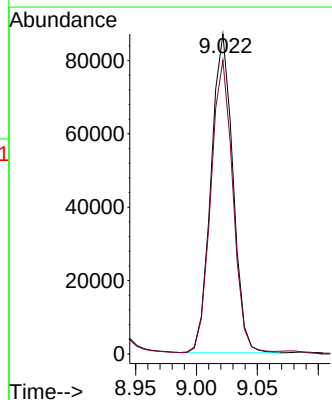
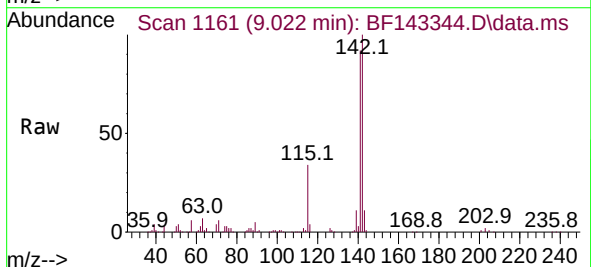
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

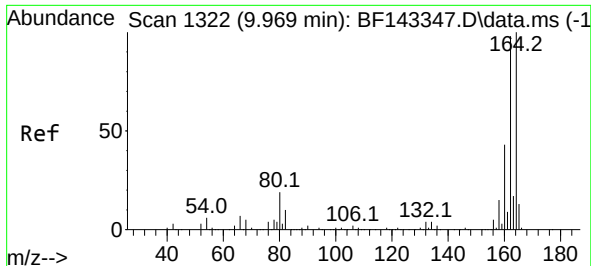
Tgt Ion:142 Resp: 113134
Ion Ratio Lower Upper
142 100
141 86.0 69.8 104.8



#38
1-Methylnaphthalene
Concen: 5.661 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:142 Resp: 108359
Ion Ratio Lower Upper
142 100
141 91.8 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

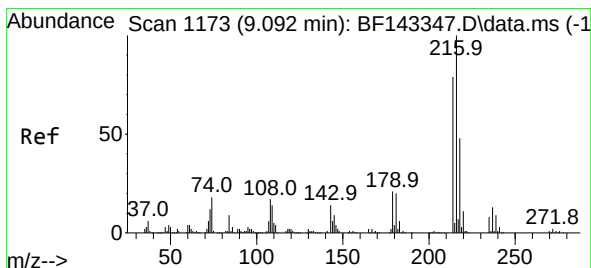
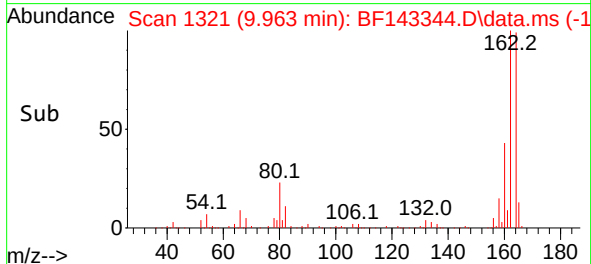
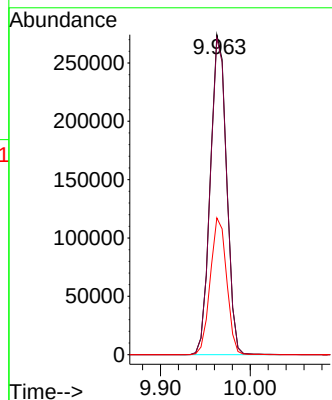
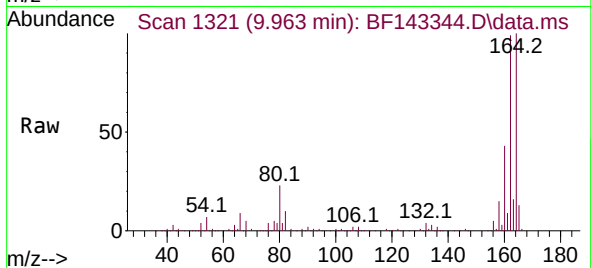
Tgt Ion:164 Resp: 344999

Ion Ratio Lower Upper

164 100

162 98.9 78.6 118.0

160 42.7 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.373 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Tgt Ion:216 Resp: 50724

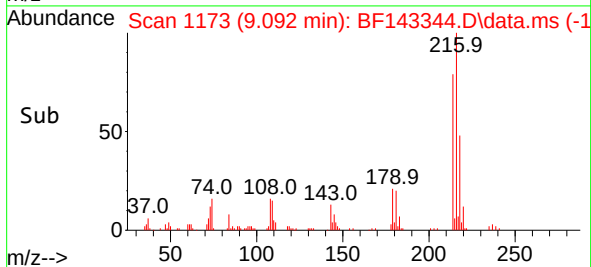
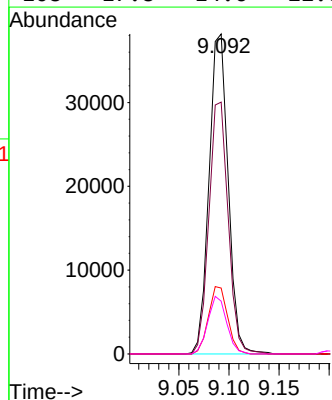
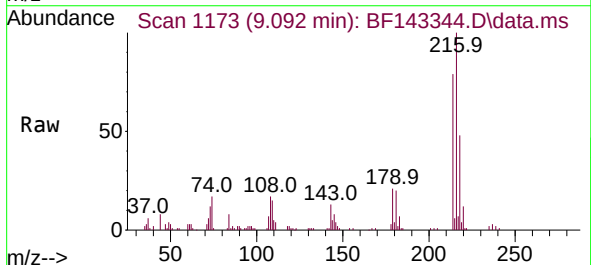
Ion Ratio Lower Upper

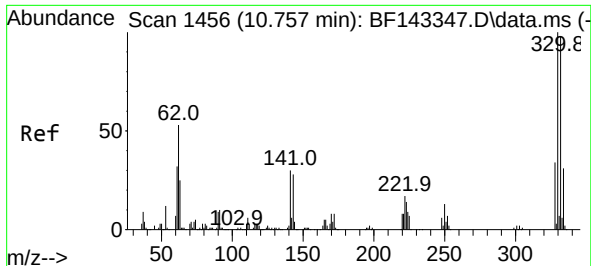
216 100

214 79.1 63.0 94.4

179 21.0 17.0 25.4

108 17.8 14.6 22.0





#42

2,4,6-Tribromophenol

Concen: 7.182 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143344.D

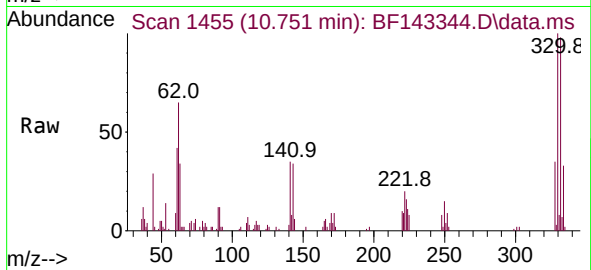
Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005



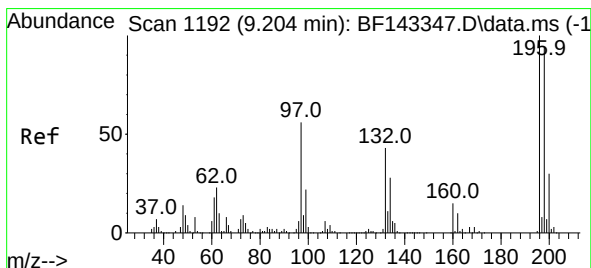
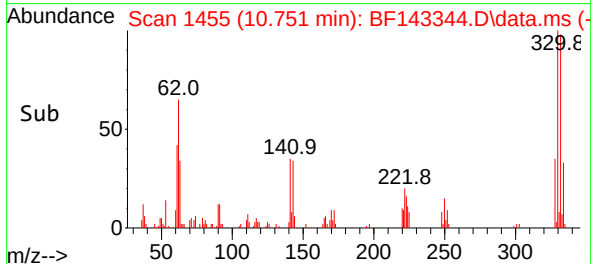
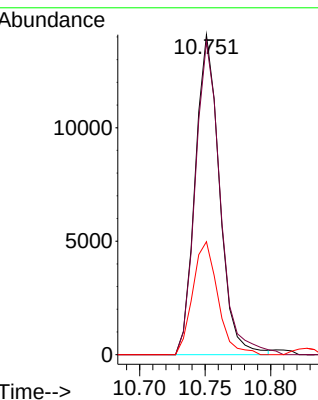
Tgt Ion:330 Resp: 18107

Ion Ratio Lower Upper

330 100

332 100.5 78.1 117.1

141 36.6 25.4 38.0



#43

2,4,6-Trichlorophenol

Concen: 3.890 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

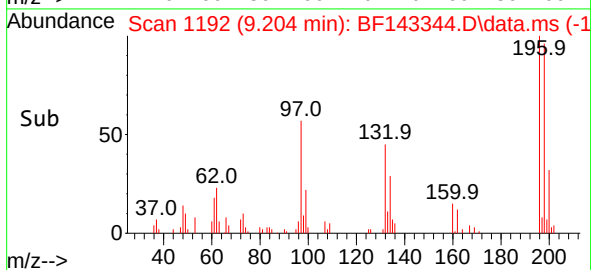
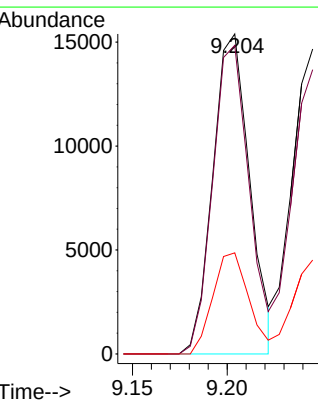
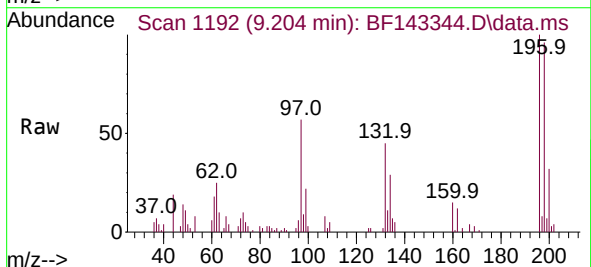
Tgt Ion:196 Resp: 20838

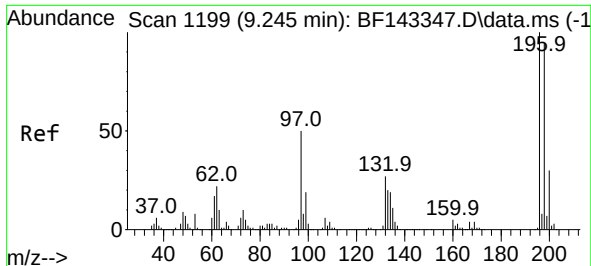
Ion Ratio Lower Upper

196 100

198 96.5 75.4 113.0

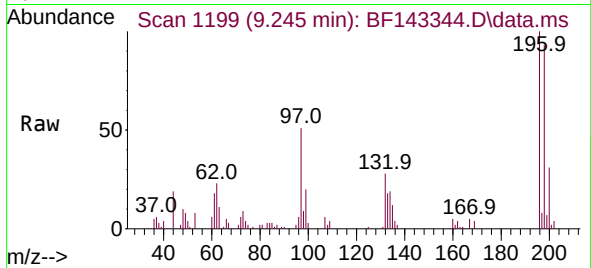
200 31.6 24.3 36.5



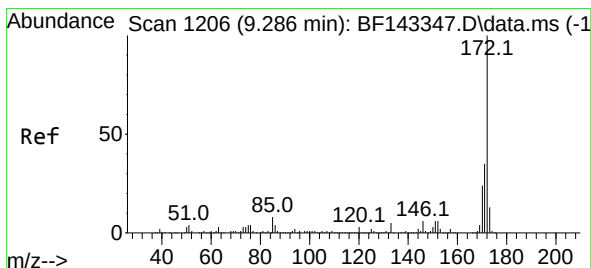
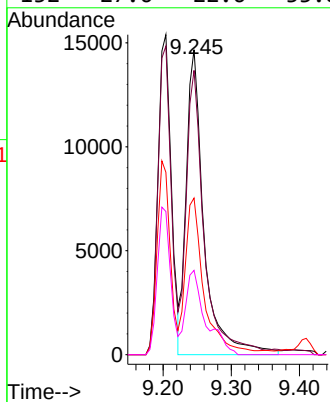
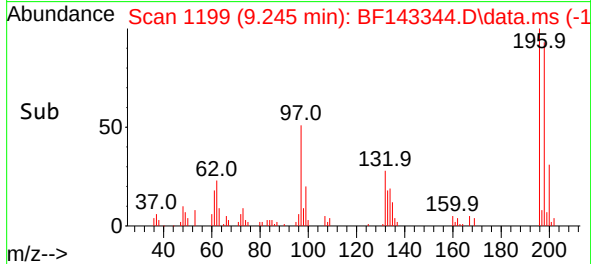


#44
2,4,5-Trichlorophenol
Concen: 4.384 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

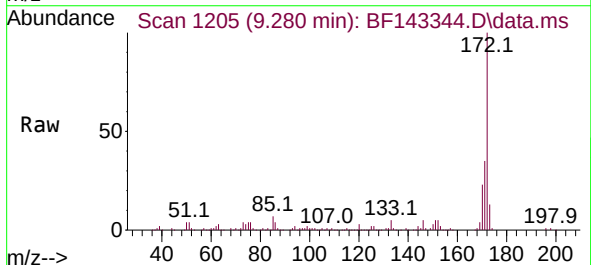
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



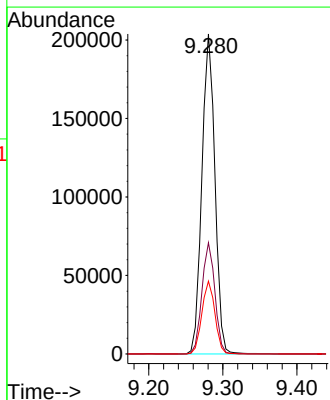
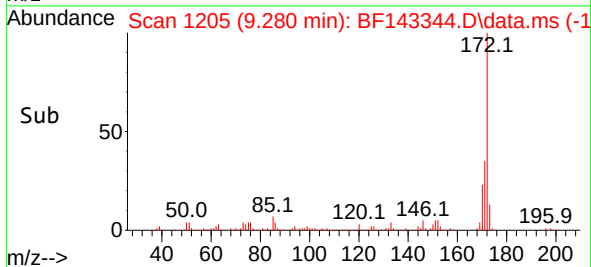
Tgt Ion:	196	Resp:	26517
Ion Ratio	Lower	Upper	
196	100		
198	93.2	75.4	113.2
97	51.3	39.9	59.9
132	27.6	22.6	33.8

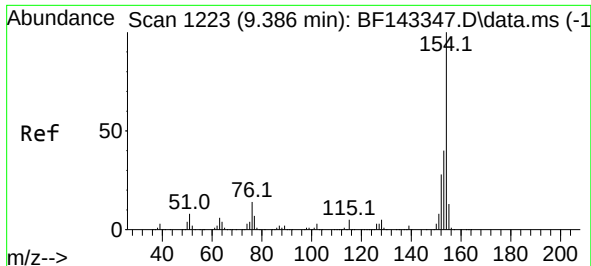


#45
2-Fluorobiphenyl
Concen: 12.244 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34



Tgt Ion:	172	Resp:	249109
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.4	42.6
170	22.8	19.1	28.7





#46

1,1'-Biphenyl

Concen: 5.703 ng

RT: 9.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

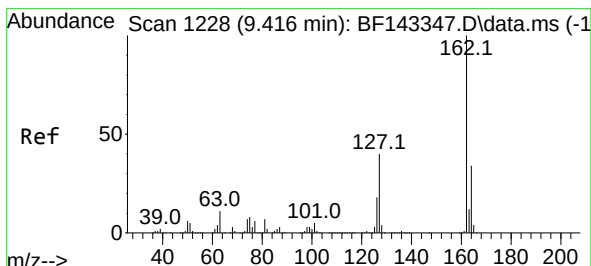
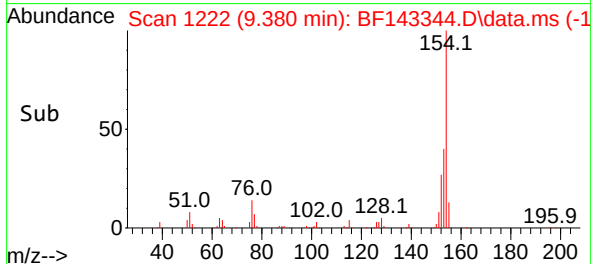
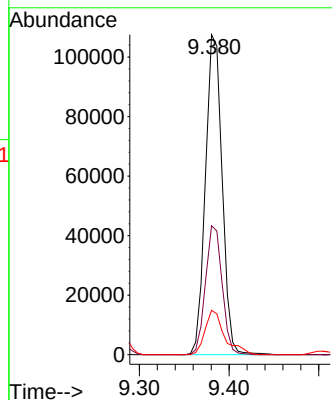
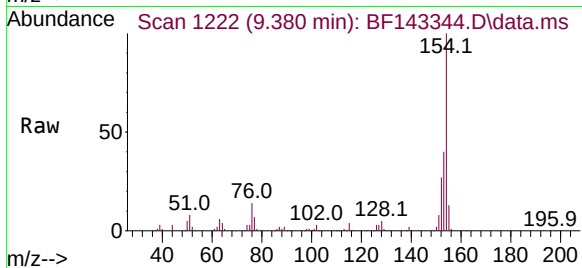
Tgt Ion:154 Resp: 139115

Ion Ratio Lower Upper

154 100

153 40.3 20.2 60.2

76 13.9 0.0 34.4



#47

2-Chloronaphthalene

Concen: 5.459 ng

RT: 9.410 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

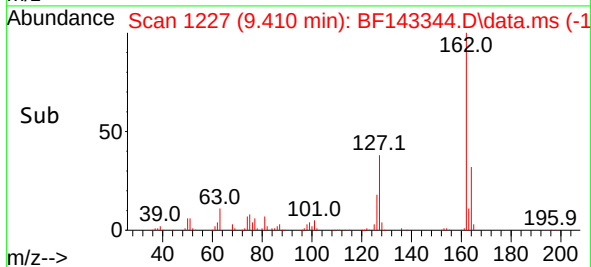
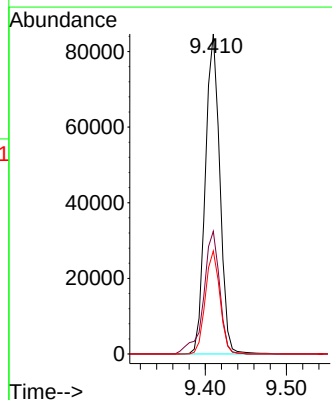
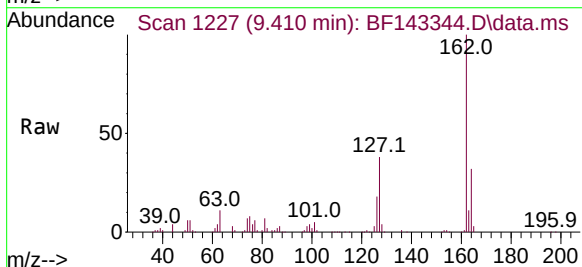
Tgt Ion:162 Resp: 104874

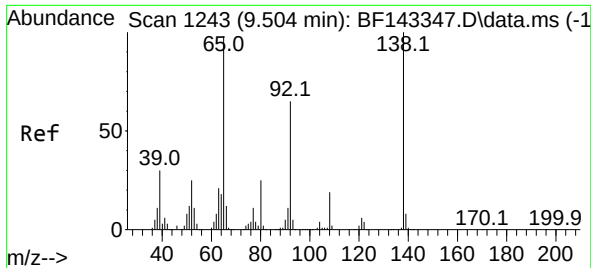
Ion Ratio Lower Upper

162 100

127 38.3 32.1 48.1

164 32.2 27.0 40.4

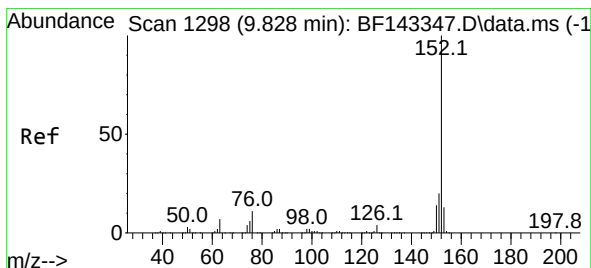
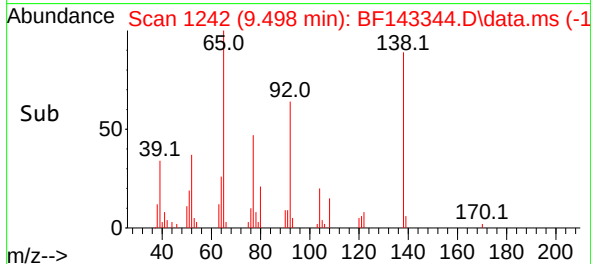
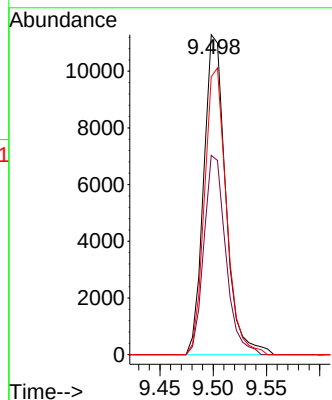
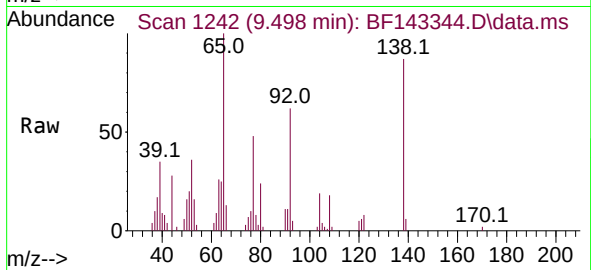




#48
2-Nitroaniline
Concen: 5.521 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

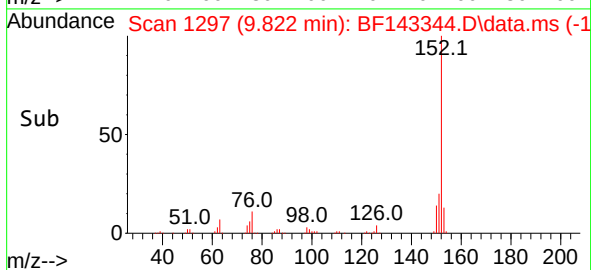
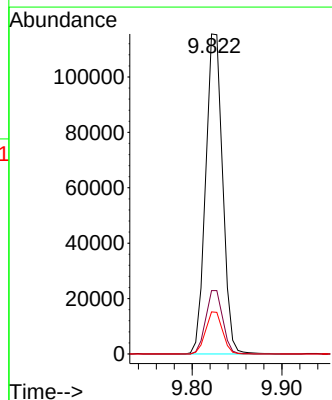
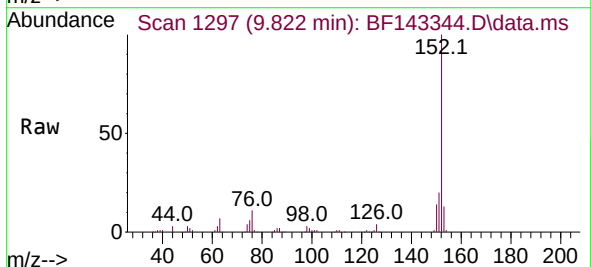
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

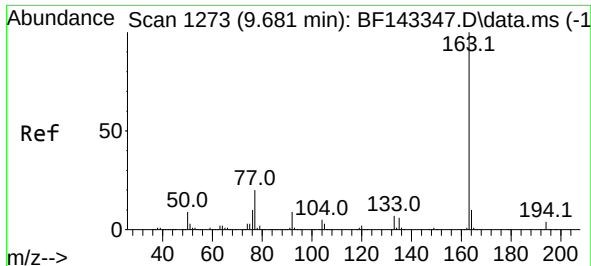
Tgt Ion: 65 Resp: 16200
Ion Ratio Lower Upper
65 100
92 62.3 53.1 79.7
138 86.9 81.4 122.0



#49
Acenaphthylene
Concen: 5.467 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 152 Resp: 151682
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.1 10.6 16.0

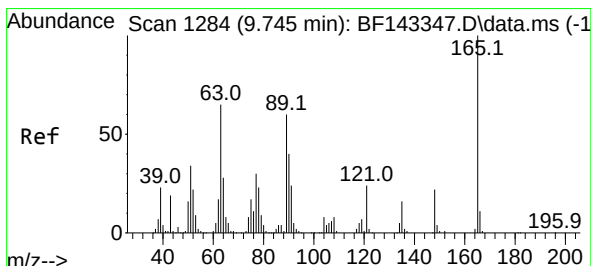
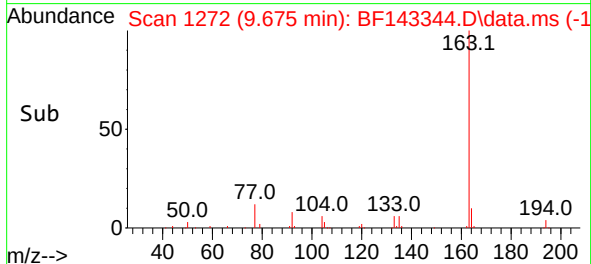
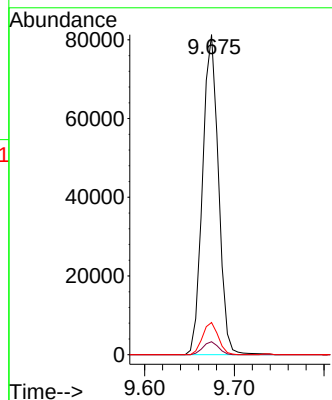
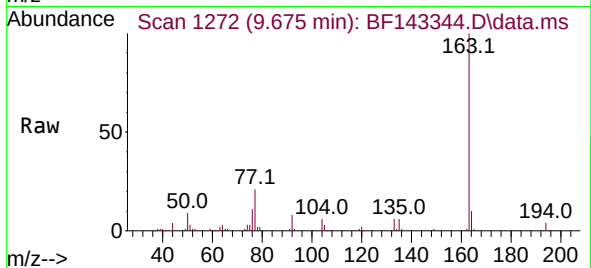




#50
Dimethylphthalate
Concen: 4.962 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

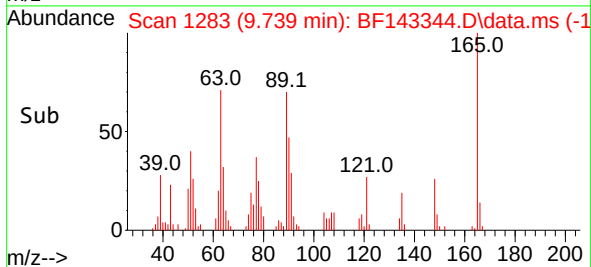
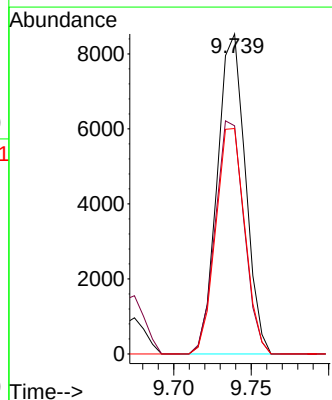
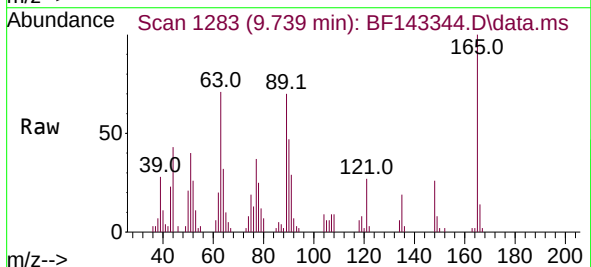
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

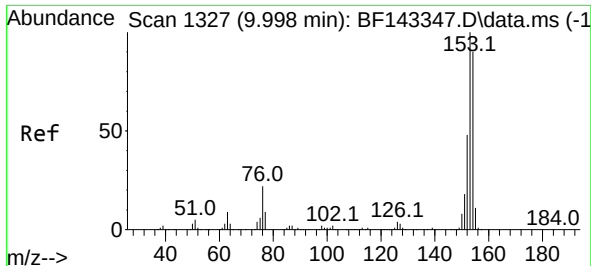
Tgt Ion:163 Resp: 100034
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.0 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 5.607 ng
RT: 9.739 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:165 Resp: 10751
Ion Ratio Lower Upper
165 100
63 71.3 51.6 77.4
89 70.4 47.7 71.5

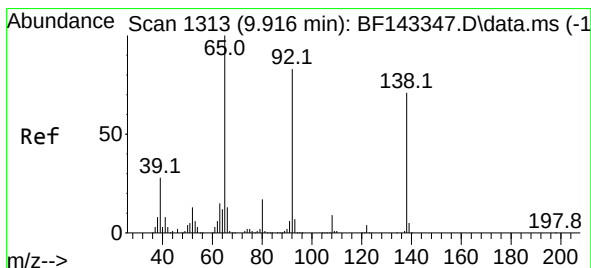
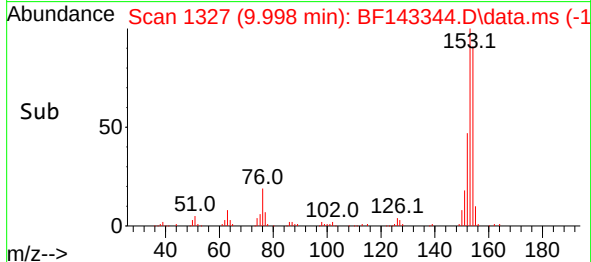
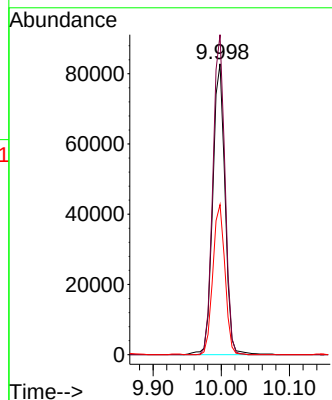
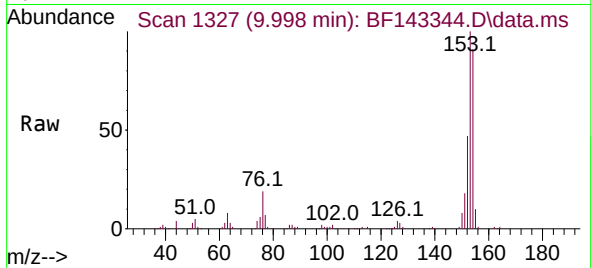




#52
Acenaphthene
Concen: 5.651 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

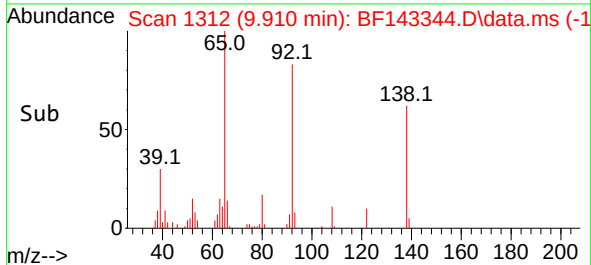
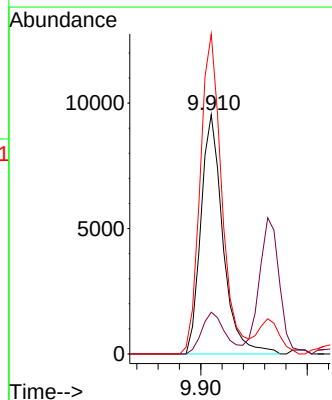
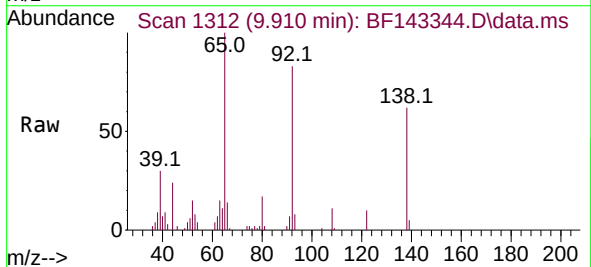
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

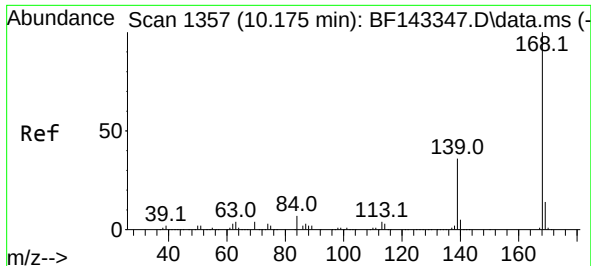
Tgt Ion:154 Resp: 104223
Ion Ratio Lower Upper
154 100
153 110.0 88.5 132.7
152 51.6 42.4 63.6



#53
3-Nitroaniline
Concen: 3.319 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:138 Resp: 13704
Ion Ratio Lower Upper
138 100
108 17.5 9.6 14.4#
92 133.8 93.4 140.2

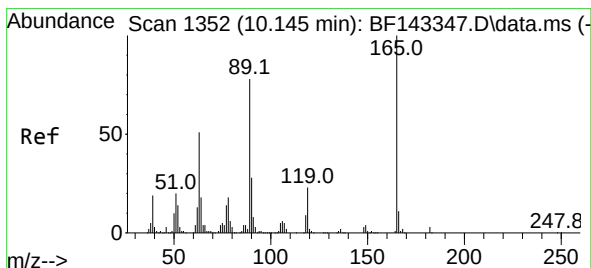
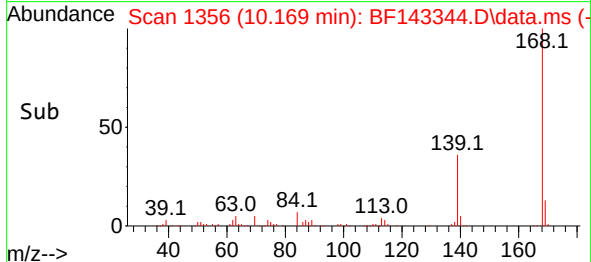
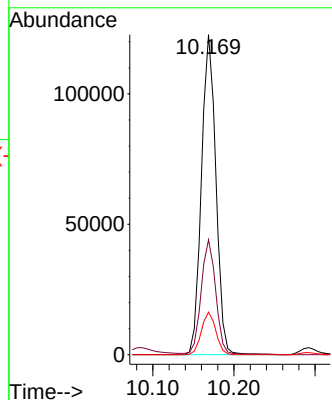
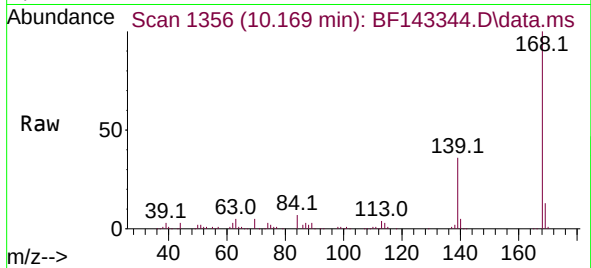




#55
Dibenzenofuran
Concen: 5.708 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

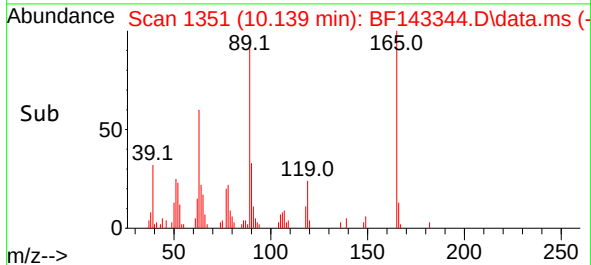
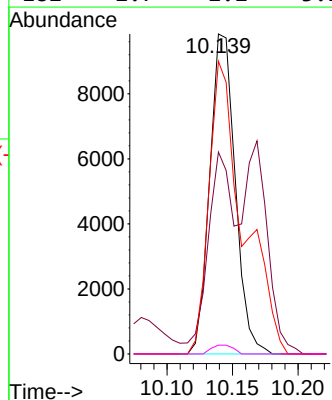
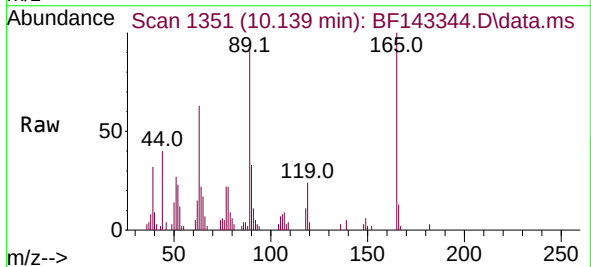
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

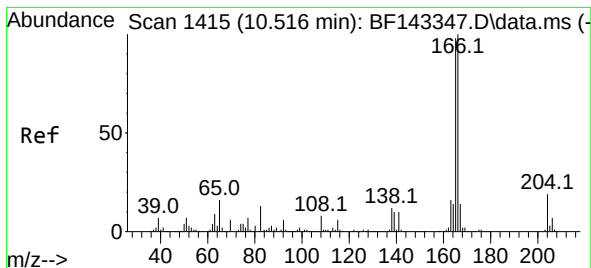
Tgt Ion:168 Resp: 151524
Ion Ratio Lower Upper
168 100
139 35.9 29.4 44.0
169 13.3 11.0 16.6



#57
2,4-Dinitrotoluene
Concen: 5.473 ng
RT: 10.139 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:165 Resp: 13285
Ion Ratio Lower Upper
165 100
63 63.1 41.8 62.8#
89 91.5 62.4 93.6
182 2.7 2.2 3.2





#58

Fluorene

Concen: 5.875 ng

RT: 10.510 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

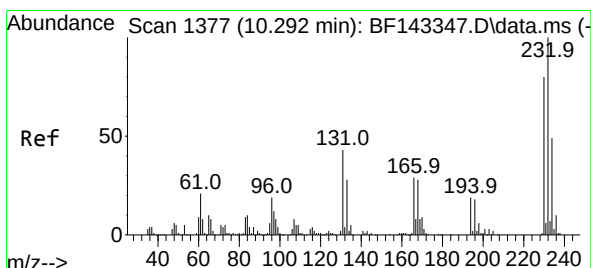
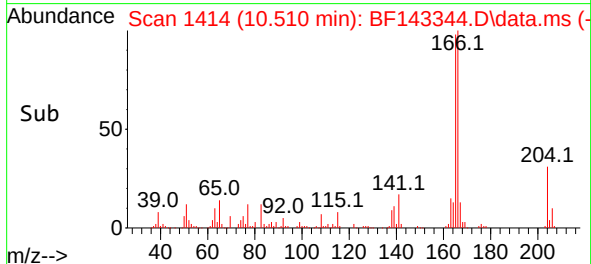
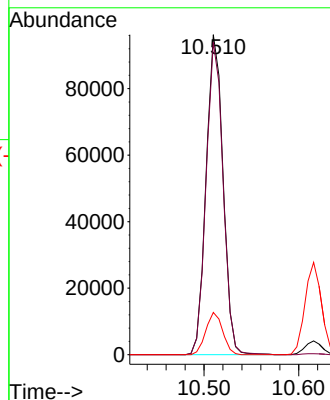
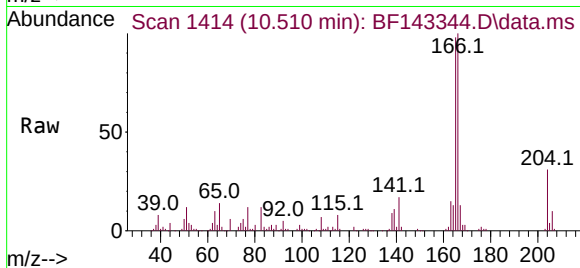
Tgt Ion:166 Resp: 119124

Ion Ratio Lower Upper

166 100

165 97.6 78.2 117.4

167 13.2 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.628 ng

RT: 10.292 min Scan# 1377

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Tgt Ion:232 Resp: 14793

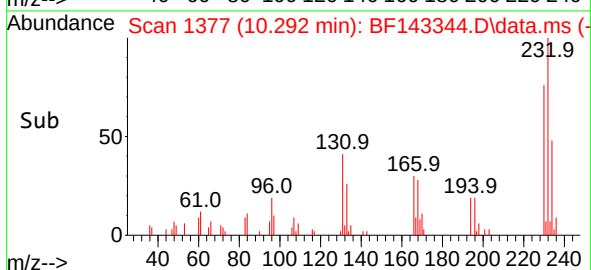
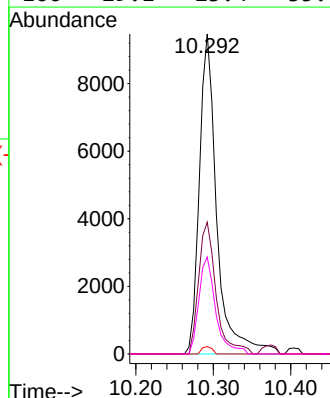
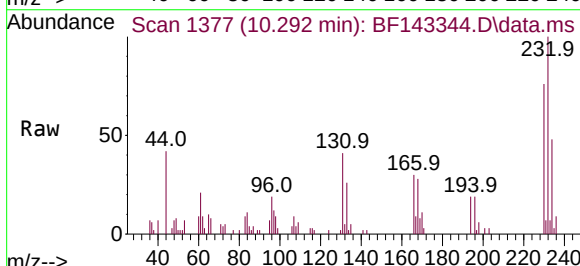
Ion Ratio Lower Upper

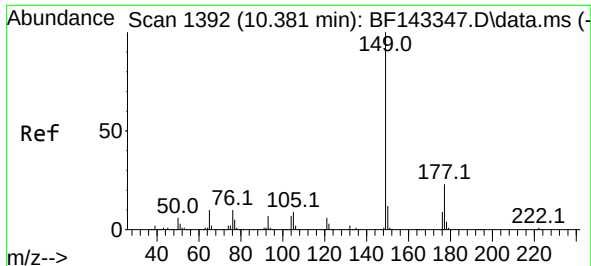
232 100

131 41.2 34.6 51.8

130 1.3 1.7 2.5#

166 29.1 23.4 35.0

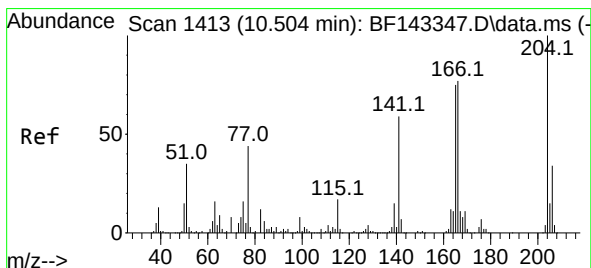
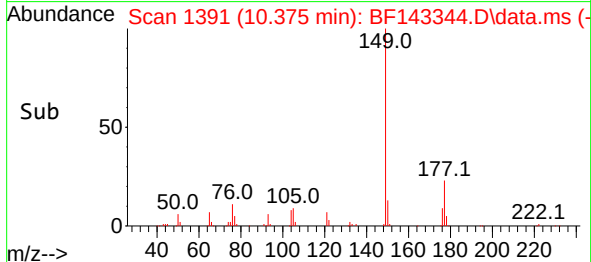
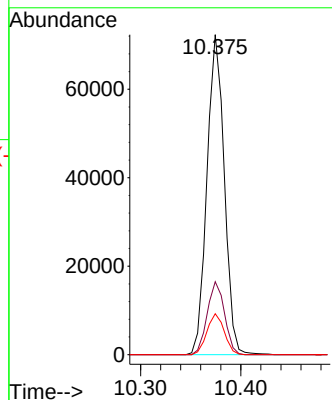
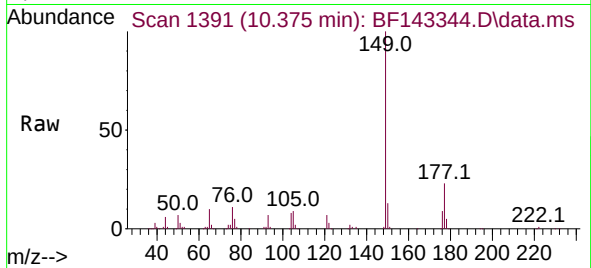




#60
Diethylphthalate
Concen: 4.831 ng
RT: 10.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

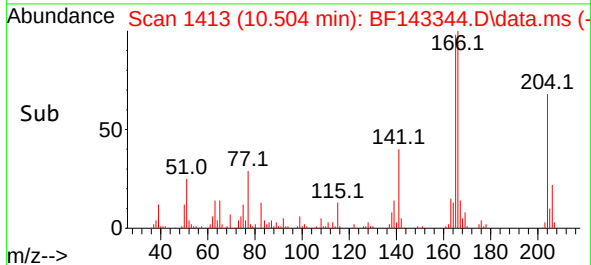
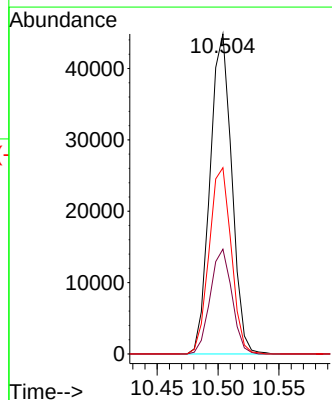
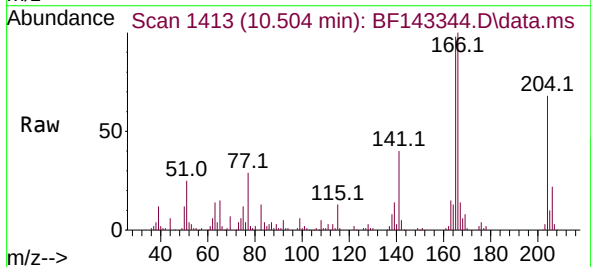
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

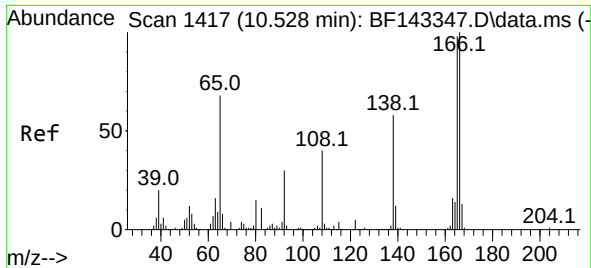
Tgt Ion:149 Resp: 87234
Ion Ratio Lower Upper
149 100
177 22.8 18.2 27.2
150 12.8 9.9 14.9



#61
4-Chlorophenyl-phenylether
Concen: 5.677 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:204 Resp: 55620
Ion Ratio Lower Upper
204 100
206 32.7 27.4 41.2
141 58.2 46.9 70.3

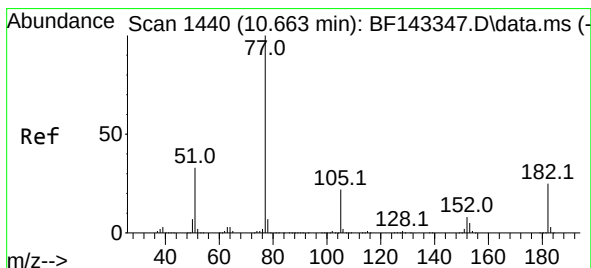
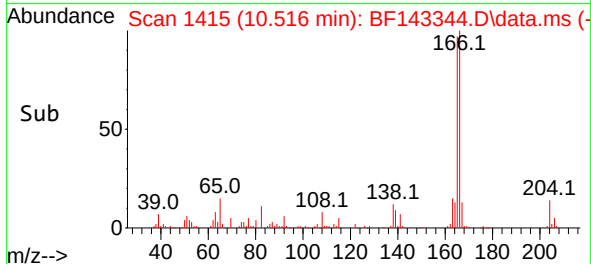
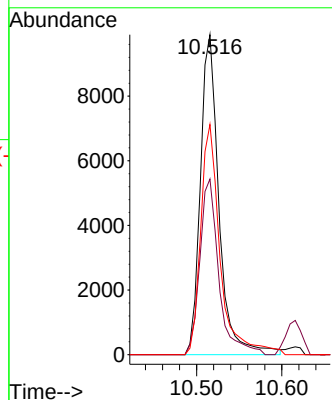
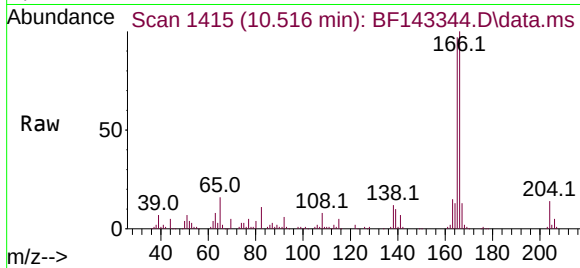




#62
4-Nitroaniline
Concen: 3.762 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

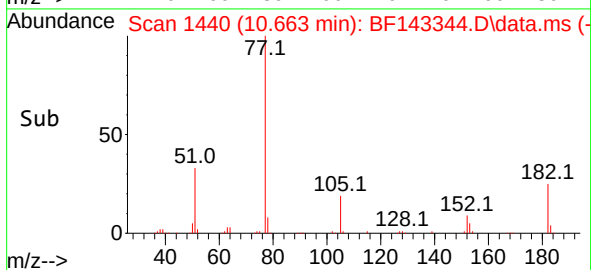
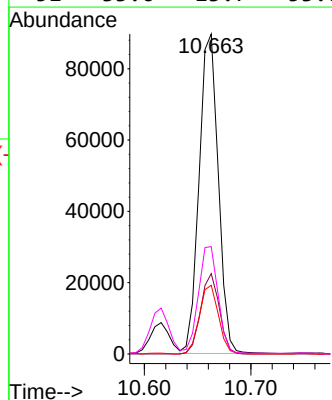
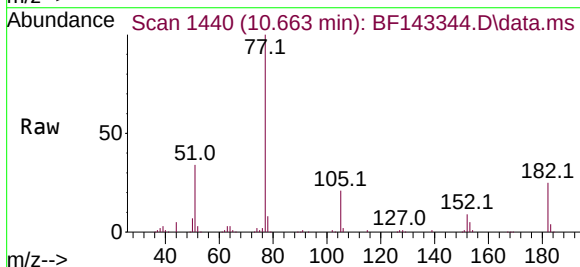
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

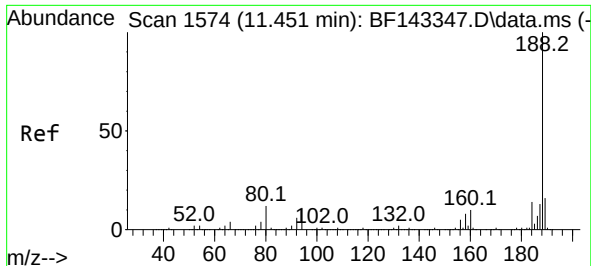
Tgt Ion:138 Resp: 15026
Ion Ratio Lower Upper
138 100
92 54.9 31.2 71.2
108 72.0 48.1 88.1



#63
Azobenzene
Concen: 5.445 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 77 Resp: 112299
Ion Ratio Lower Upper
77 100
182 25.1 4.4 44.4
105 21.4 1.8 41.8
51 33.6 13.7 53.7

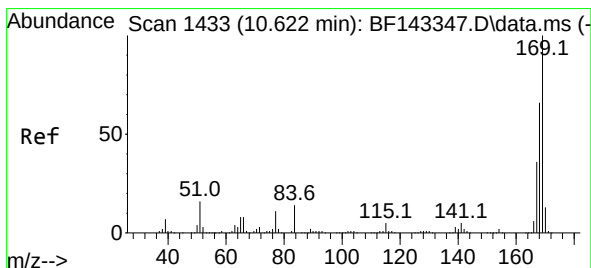
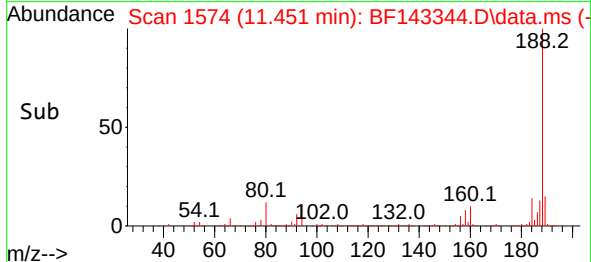
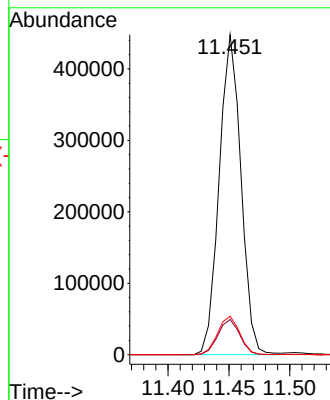
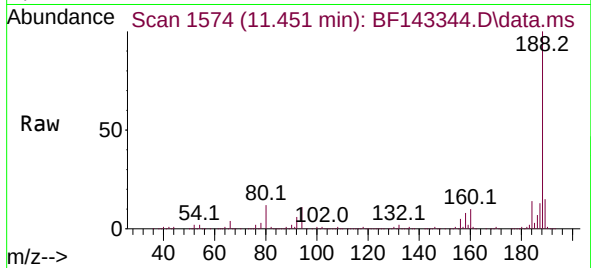




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

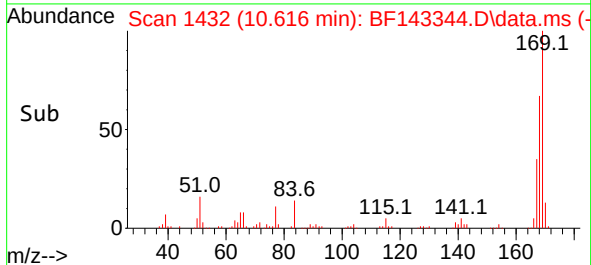
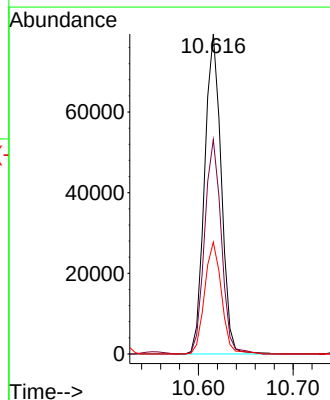
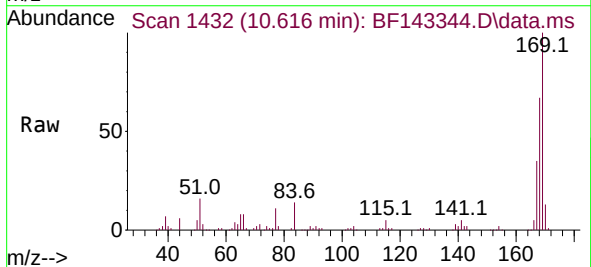
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

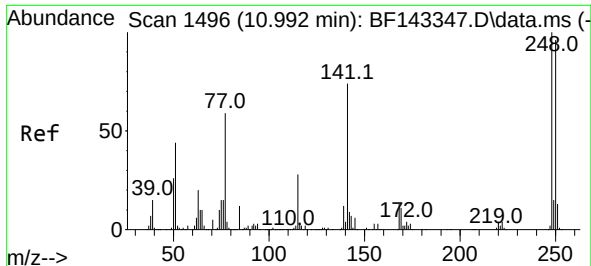
Tgt Ion:188 Resp: 557349
Ion Ratio Lower Upper
188 100
94 11.0 8.8 13.2
80 12.0 9.7 14.5



#66
n-Nitrosodiphenylamine
Concen: 5.263 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:169 Resp: 96579
Ion Ratio Lower Upper
169 100
168 67.0 52.7 79.1
167 35.0 28.6 42.8

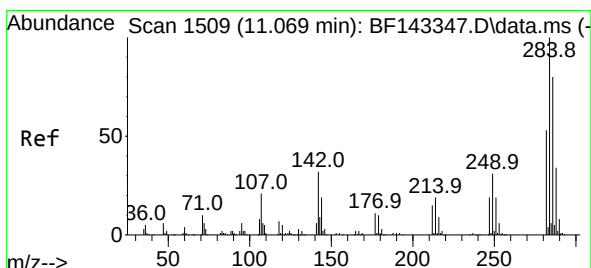
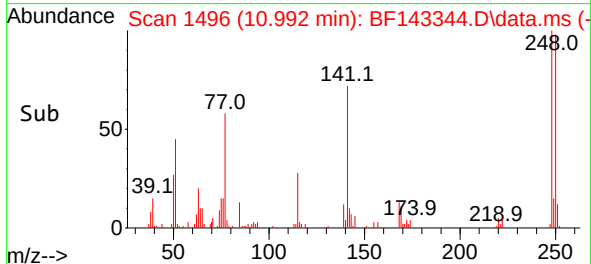
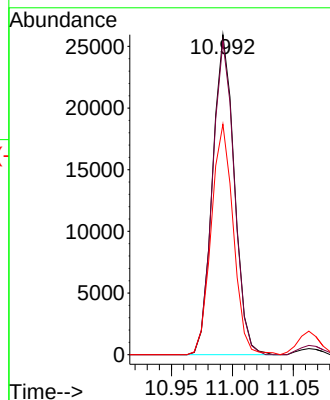
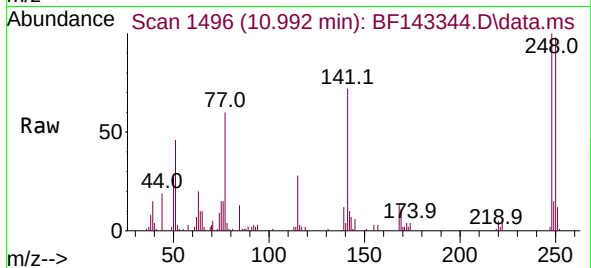




#67
4-Bromophenyl-phenylether
Concen: 5.063 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

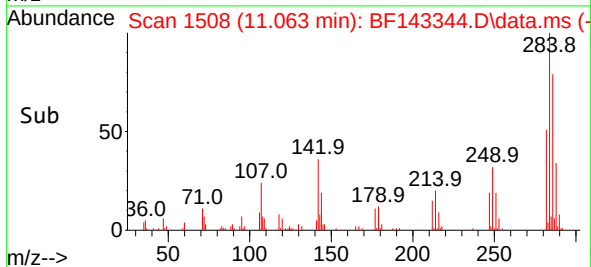
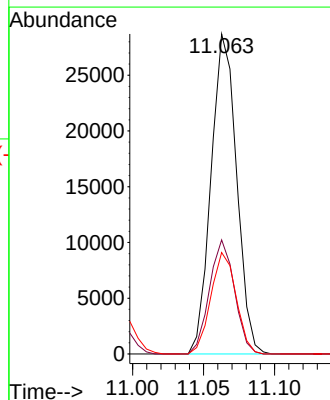
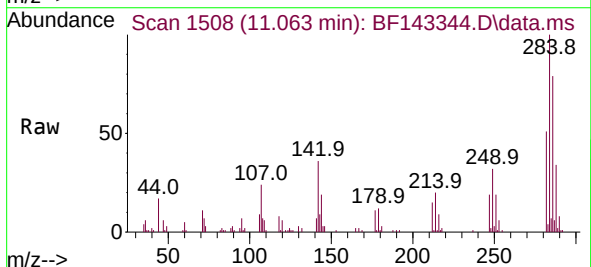
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

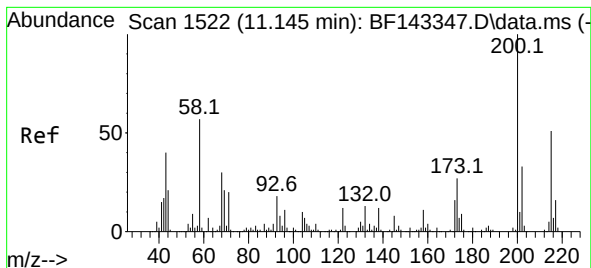
Tgt Ion:248 Resp: 32274
Ion Ratio Lower Upper
248 100
250 97.9 77.1 115.7
141 72.0 59.1 88.7



#68
Hexachlorobenzene
Concen: 5.227 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:284 Resp: 35913
Ion Ratio Lower Upper
284 100
142 35.6 25.7 38.5
249 31.7 24.6 37.0





#69

Atrazine

Concen: 4.274 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

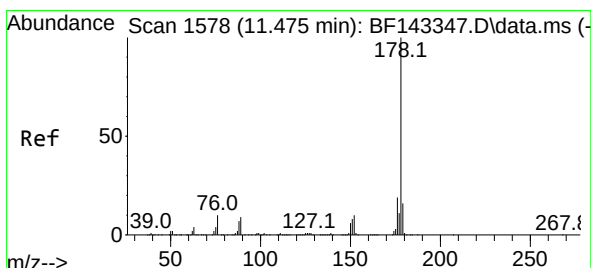
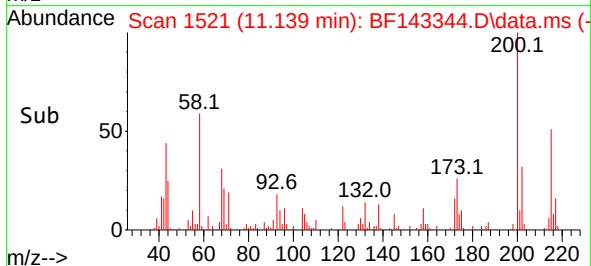
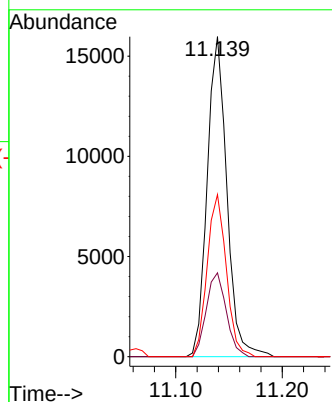
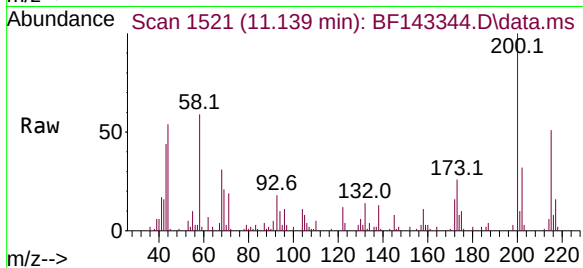
Tgt Ion:200 Resp: 20457

Ion Ratio Lower Upper

200 100

173 26.2 6.6 46.6

215 50.7 30.6 70.6



#71

Phenanthrene

Concen: 5.563 ng

RT: 11.474 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

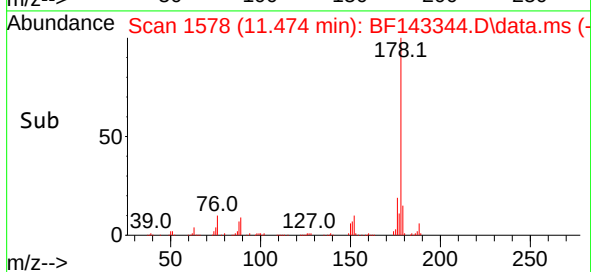
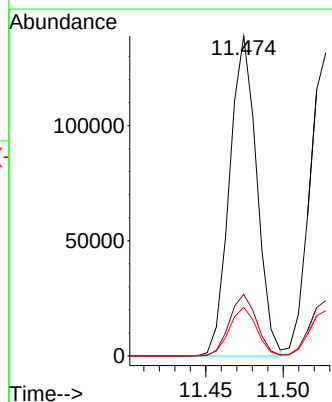
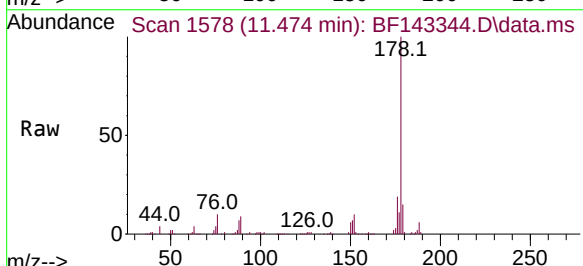
Tgt Ion:178 Resp: 169159

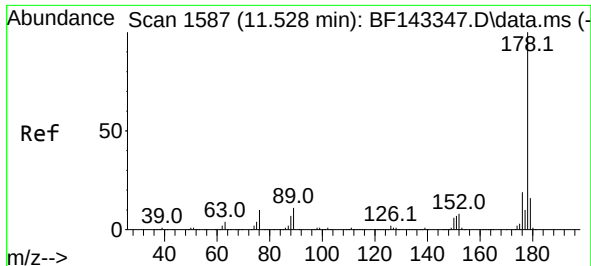
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.2 12.5 18.7

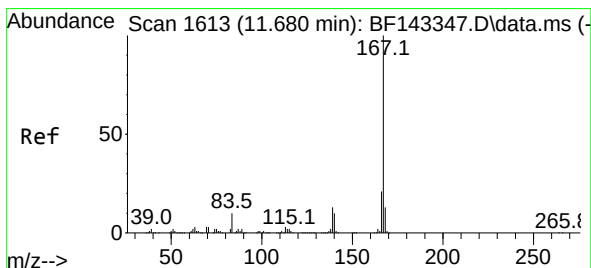
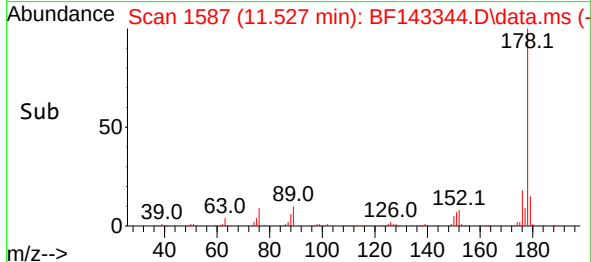
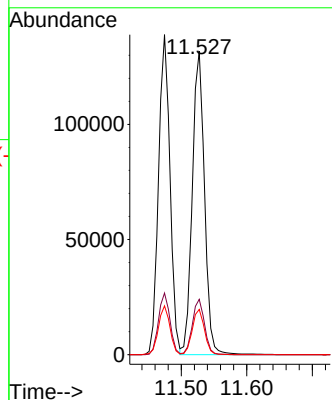
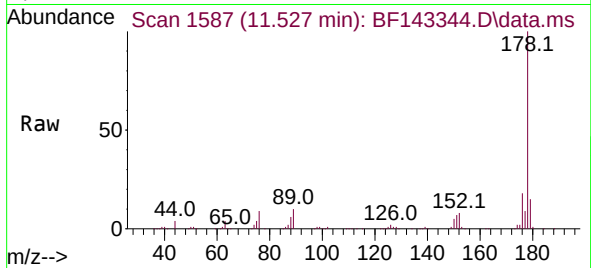




#72
Anthracene
Concen: 5.535 ng
RT: 11.527 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

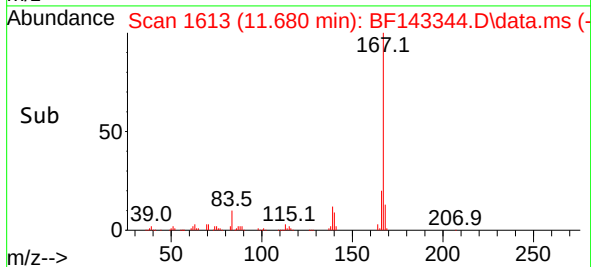
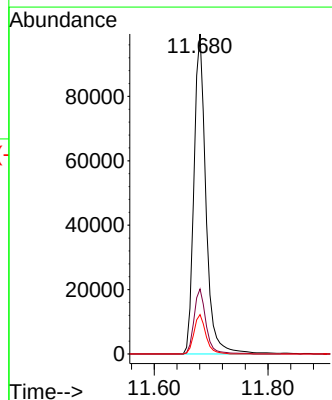
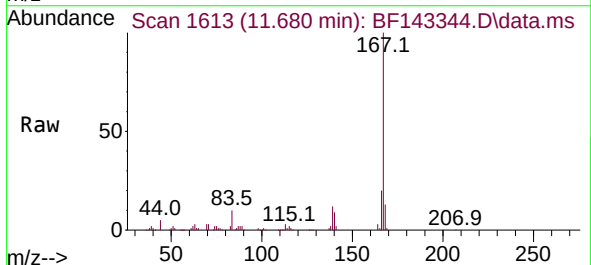
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

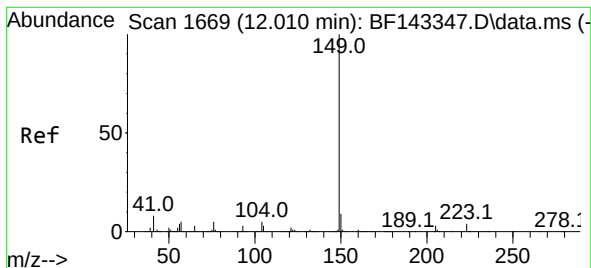
Tgt Ion:178 Resp: 170698
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 14.9 12.7 19.1



#73
Carbazole
Concen: 5.564 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

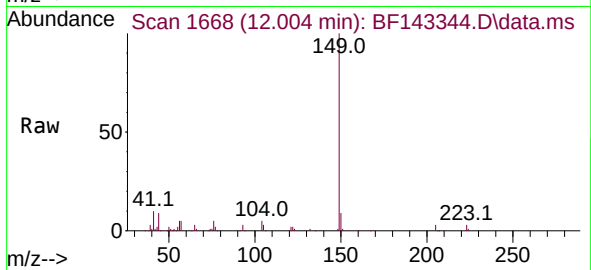
Tgt Ion:167 Resp: 146129
Ion Ratio Lower Upper
167 100
166 20.3 16.8 25.2
139 12.3 10.2 15.2



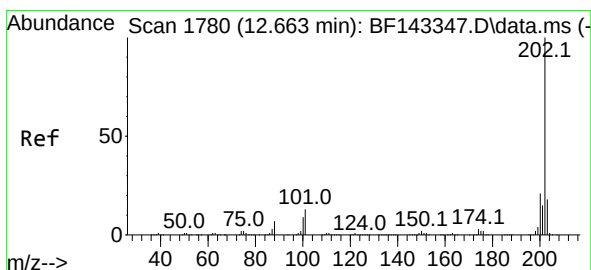
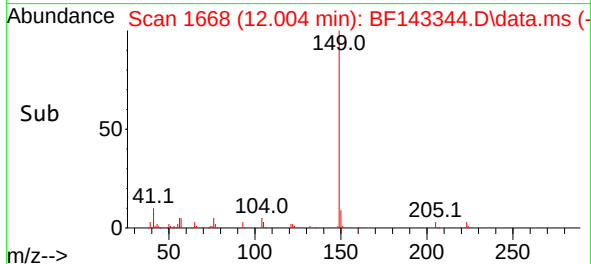
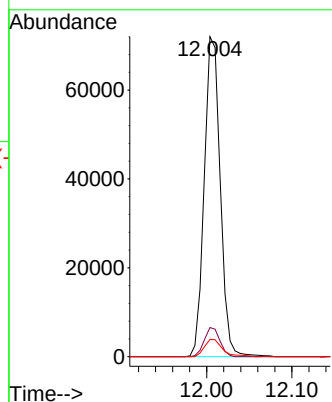


#74
Di-n-butylphthalate
Concen: 4.228 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

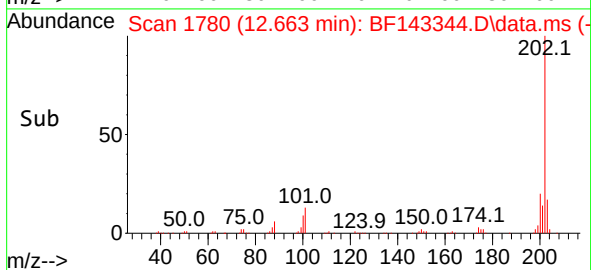
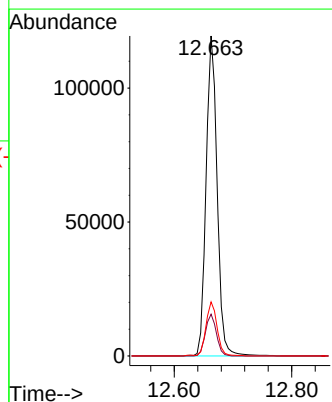
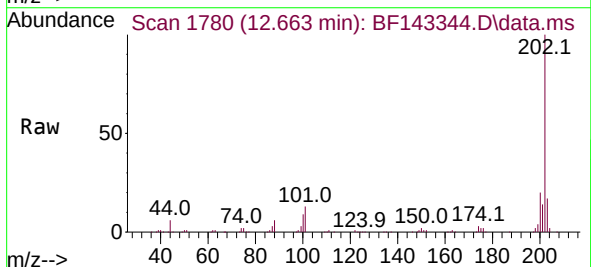


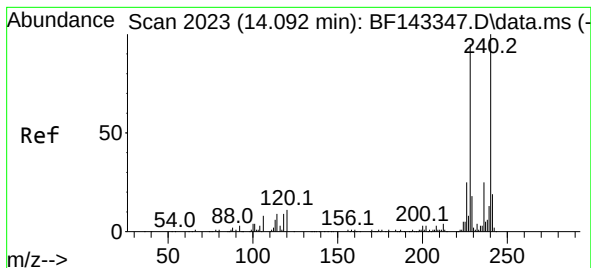
Tgt Ion:149 Resp: 93961
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.4 3.8 5.8



#75
Fluoranthene
Concen: 5.860 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:202 Resp: 156101
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 16.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

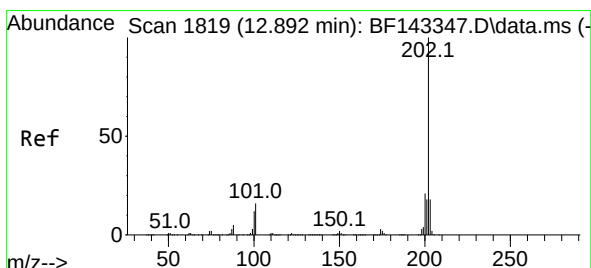
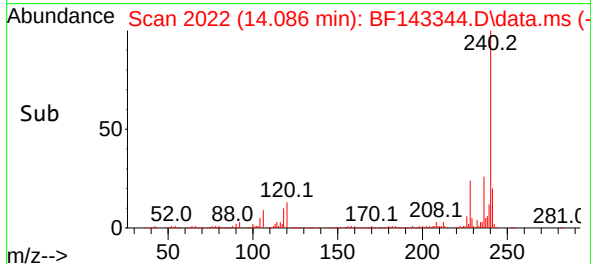
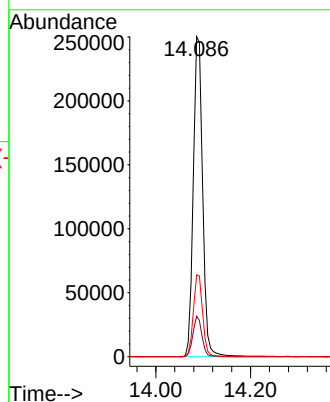
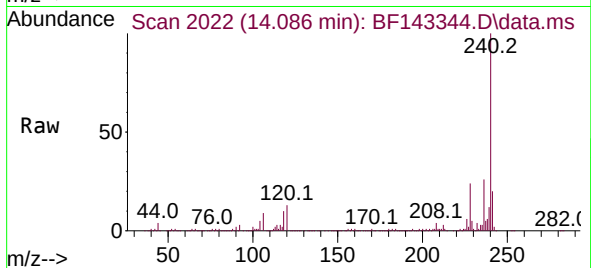
Tgt Ion:240 Resp: 344394

Ion Ratio Lower Upper

240 100

120 12.6 9.0 13.6

236 25.5 19.9 29.9



#78

Pyrene

Concen: 5.733 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

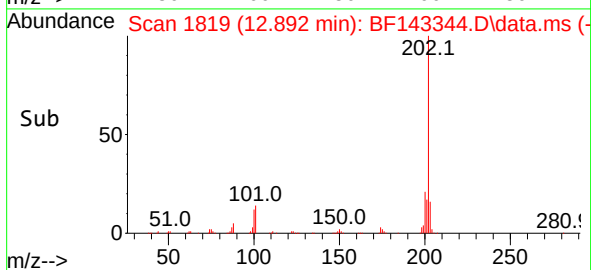
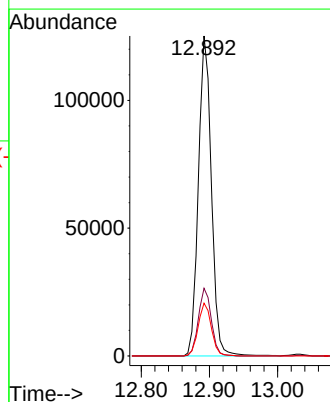
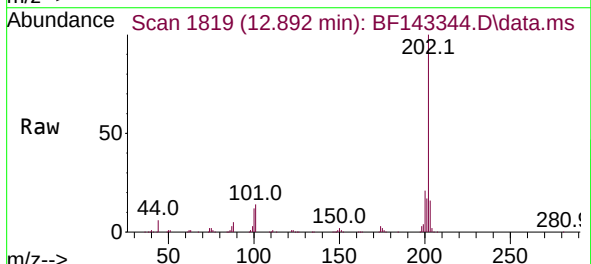
Tgt Ion:202 Resp: 165633

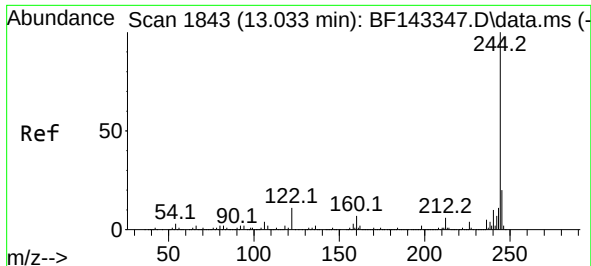
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 16.5 14.2 21.4

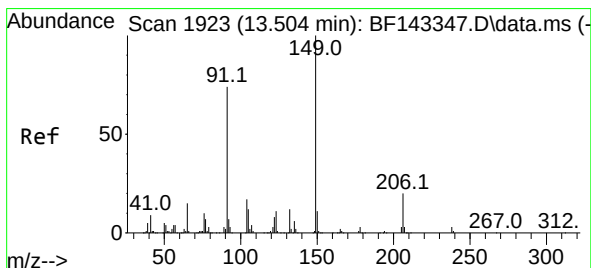
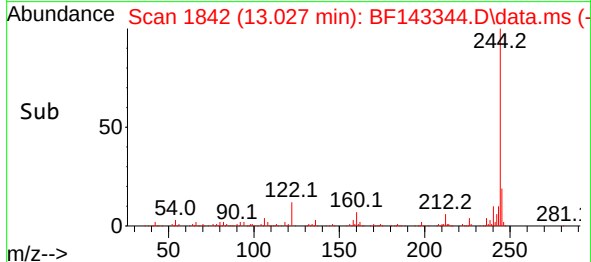
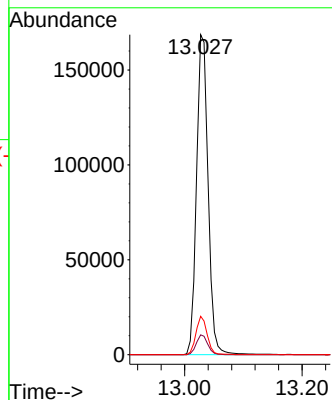
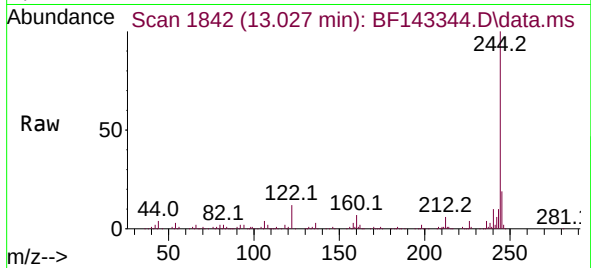




#79
 Terphenyl-d14
 Concen: 11.938 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF143344.D
 Acq: 12 Aug 2025 09:34

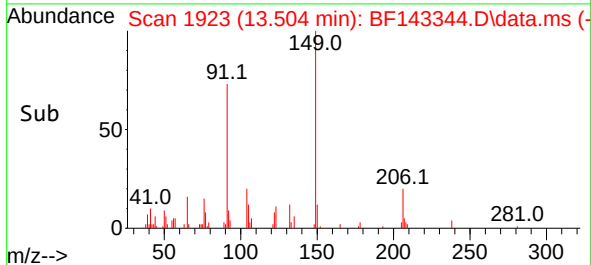
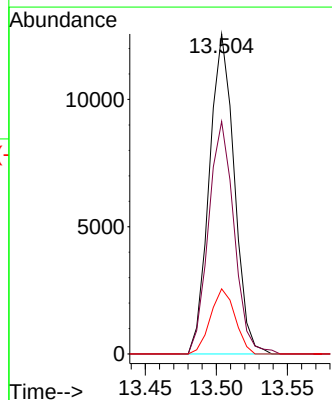
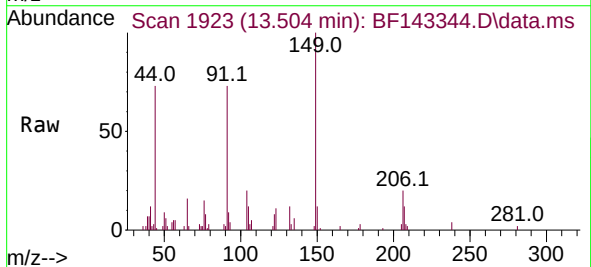
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

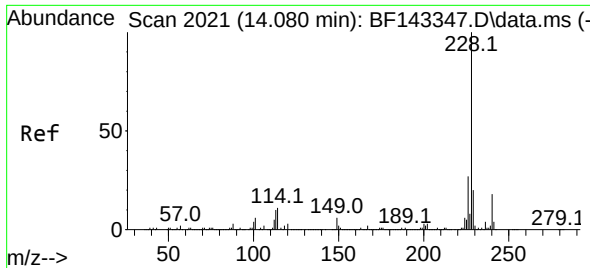
Tgt Ion:244 Resp: 230289
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 12.0 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 5.856 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BF143344.D
 Acq: 12 Aug 2025 09:34

Tgt Ion:149 Resp: 15374
 Ion Ratio Lower Upper
 149 100
 91 72.7 58.8 88.2
 206 20.3 16.4 24.6

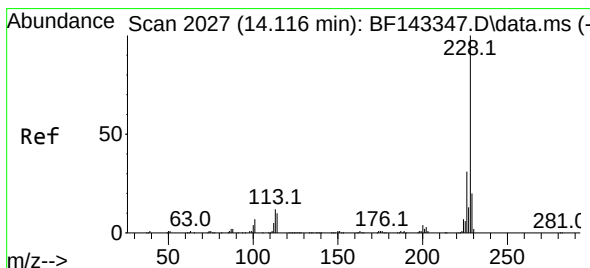
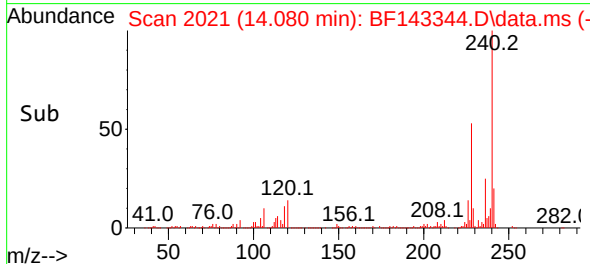
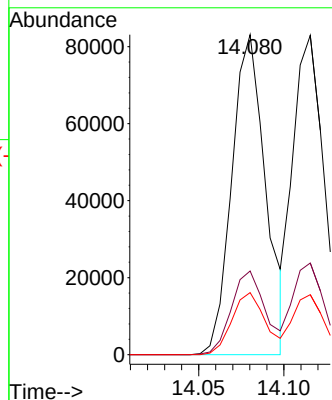
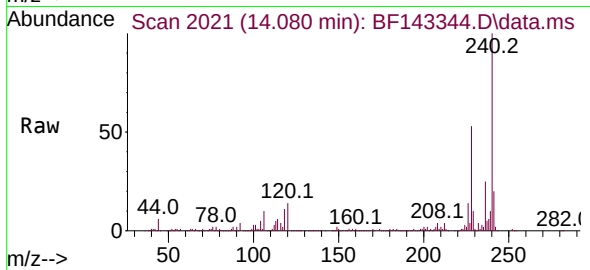




#81
Benzo(a)anthracene
Concen: 5.250 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

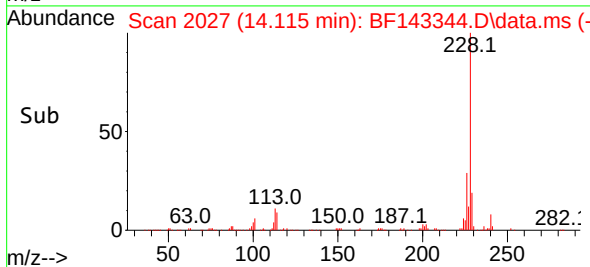
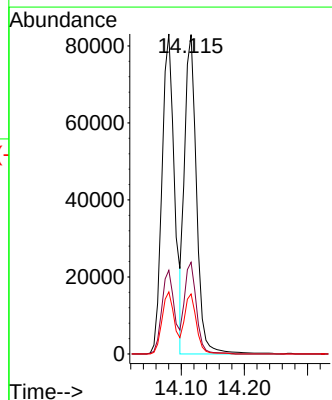
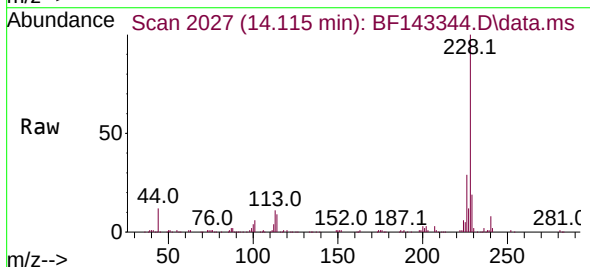
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

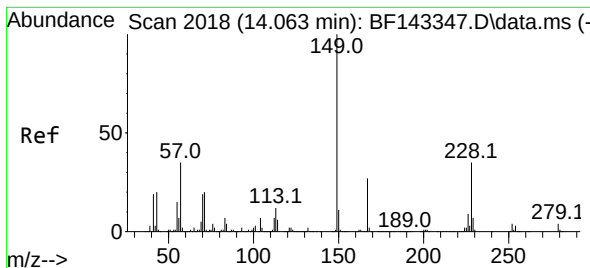
Tgt Ion:228 Resp: 114909
Ion Ratio Lower Upper
228 100
226 26.1 22.0 33.0
229 19.4 15.8 23.8



#83
Chrysene
Concen: 5.357 ng
RT: 14.115 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

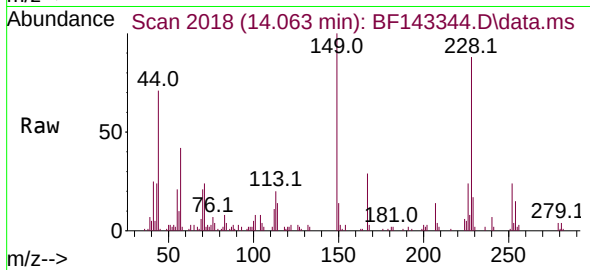
Tgt Ion:228 Resp: 109349
Ion Ratio Lower Upper
228 100
226 28.7 24.2 36.2
229 18.8 15.8 23.6



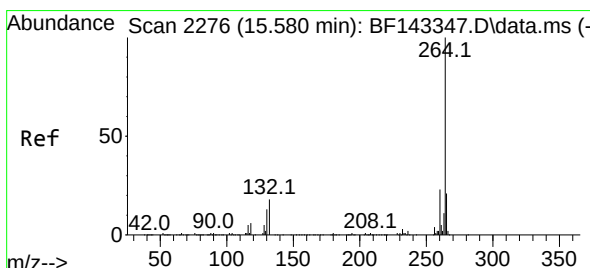
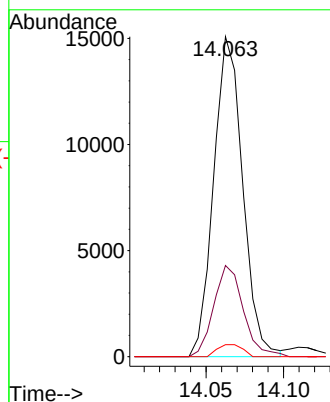
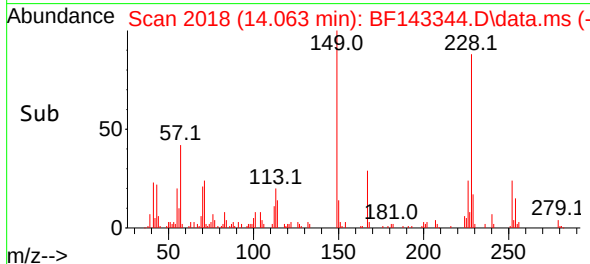


#84
Bis(2-ethylhexyl)phthalate
Concen: 6.133 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

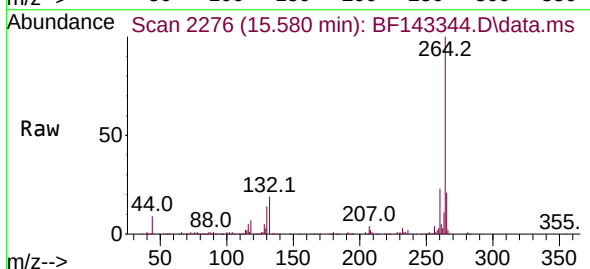
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



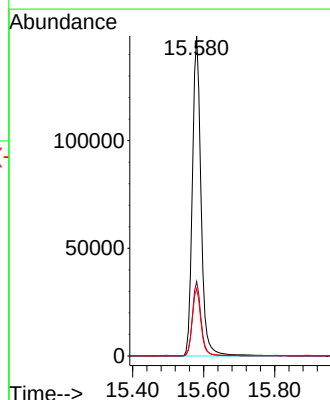
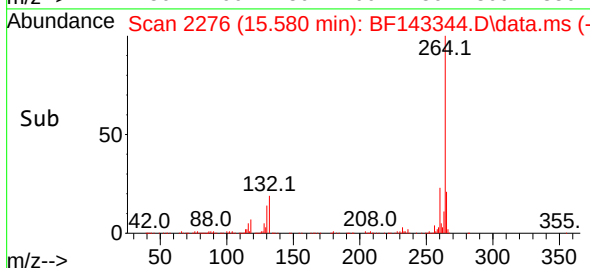
Tgt Ion:149 Resp: 19633
Ion Ratio Lower Upper
149 100
167 28.5 21.4 32.0
279 3.7 3.2 4.8

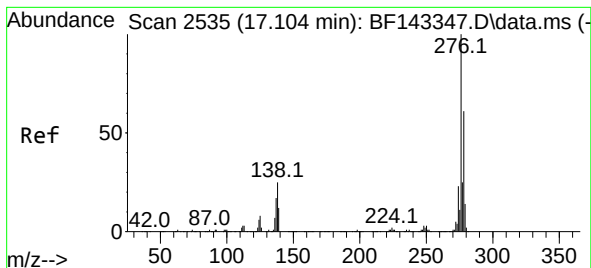


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34



Tgt Ion:264 Resp: 252587
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.0 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.890 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

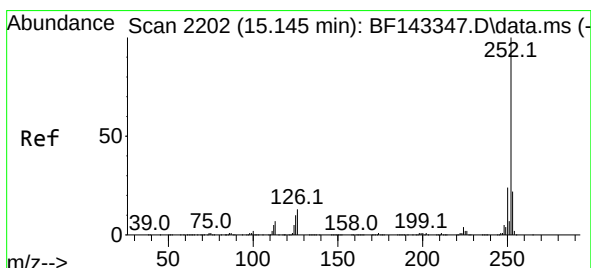
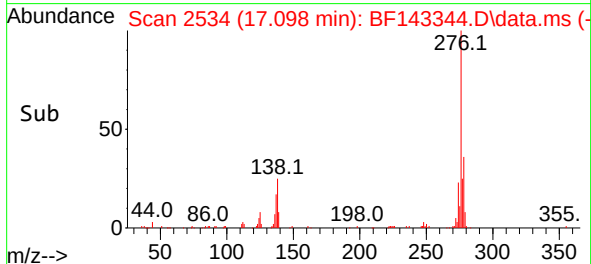
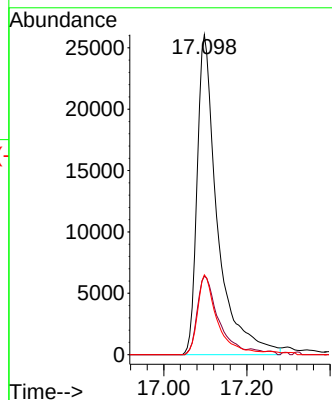
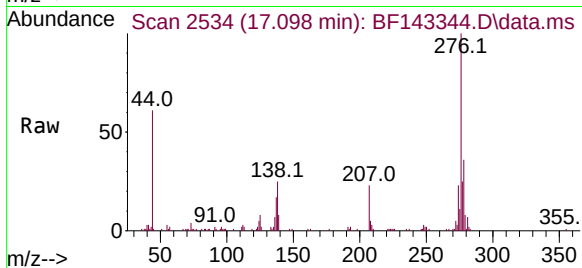
Tgt Ion:276 Resp: 88484

Ion Ratio Lower Upper

276 100

138 25.3 21.1 31.7

277 24.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 5.359 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

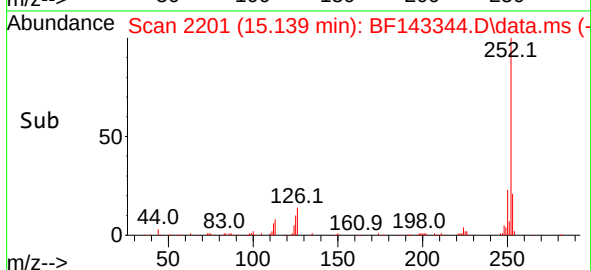
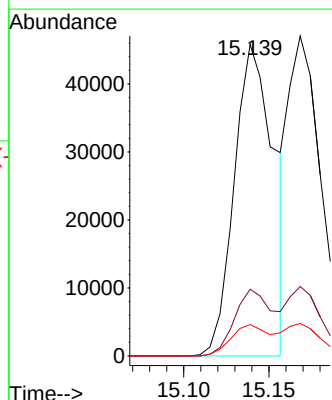
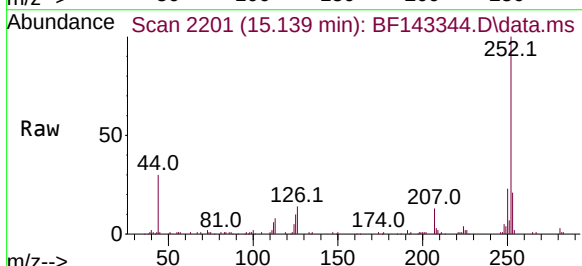
Tgt Ion:252 Resp: 74031

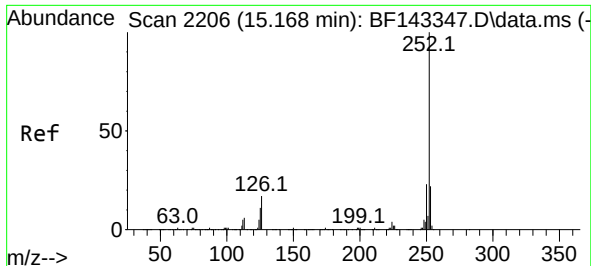
Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 10.1 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 5.006 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

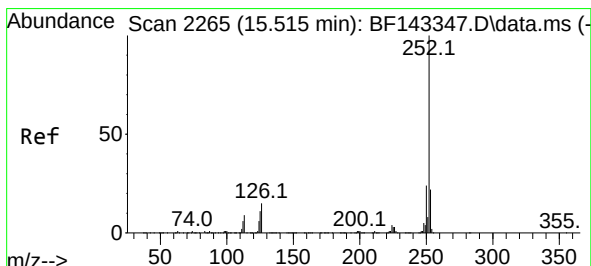
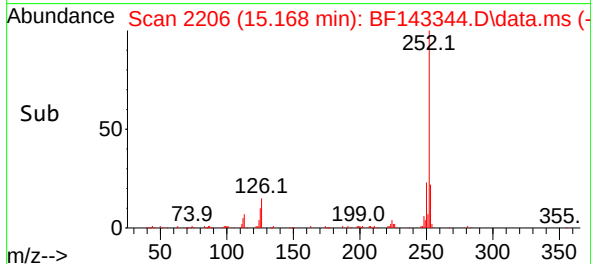
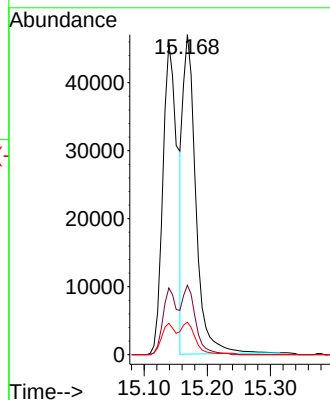
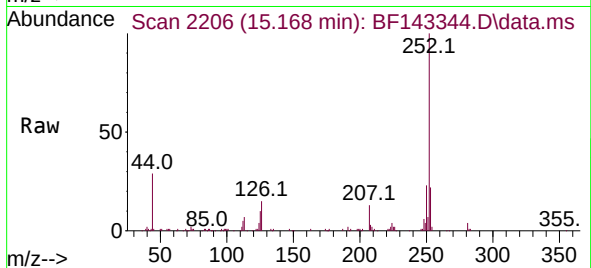
Tgt Ion:252 Resp: 67207

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 10.2 8.4 12.6



#90

Benzo(a)pyrene

Concen: 5.089 ng

RT: 15.515 min Scan# 2265

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

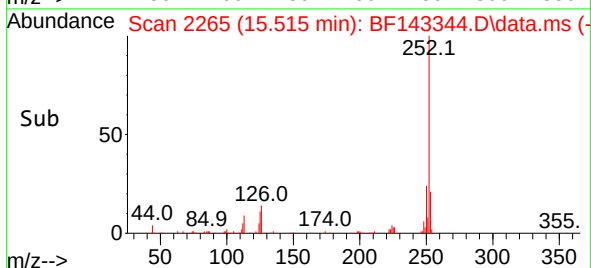
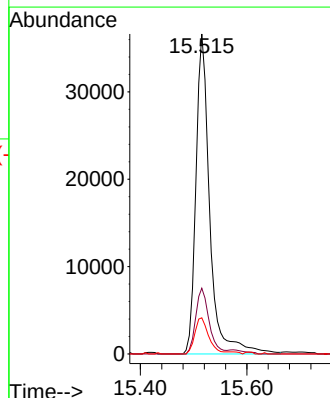
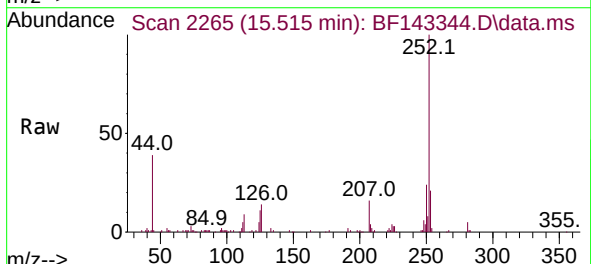
Tgt Ion:252 Resp: 66211

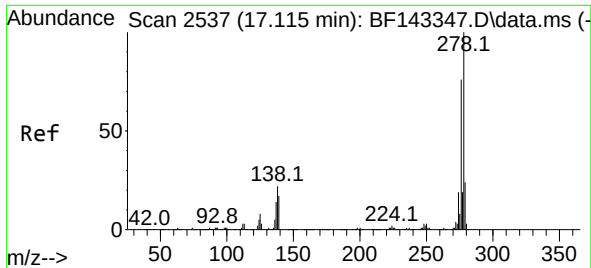
Ion Ratio Lower Upper

252 100

253 20.5 17.6 26.4

125 11.3 9.1 13.7

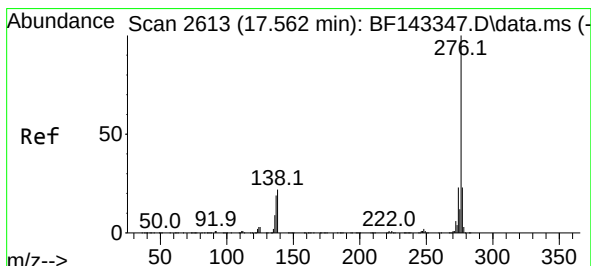
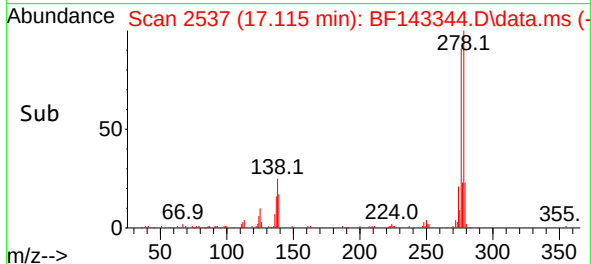
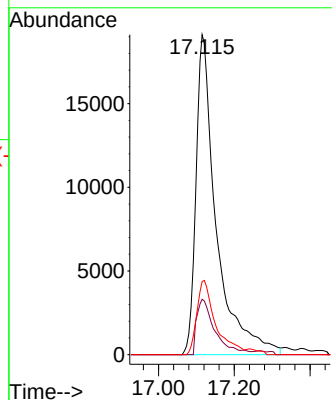
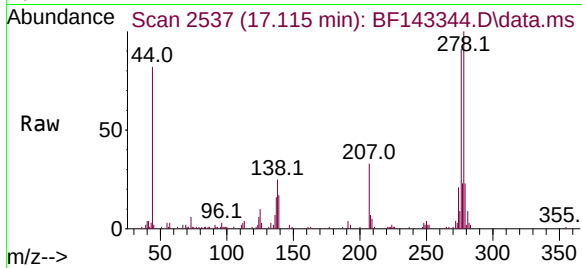




#91
Dibenzo(a,h)anthracene
Concen: 4.933 ng
RT: 17.115 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

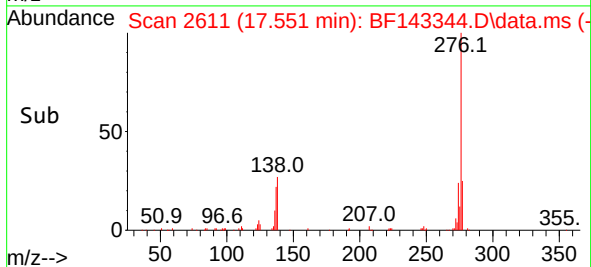
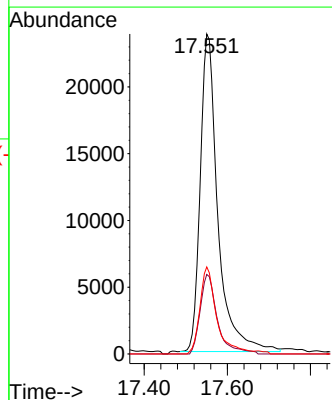
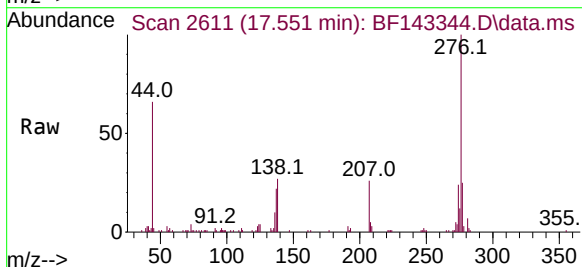
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 71319
Ion Ratio Lower Upper
278 100
139 17.3 14.0 21.0
279 22.9 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 4.806 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:276 Resp: 69991
Ion Ratio Lower Upper
276 100
277 24.9 18.7 28.1
138 27.2 17.8 26.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143345.D
 Acq On : 12 Aug 2025 10:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 12 13:17:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
 Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	154882	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	603685	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	326305	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	511556	20.000	ng	0.00
76) Chrysene-d12	14.086	240	288804	20.000	ng	0.00
86) Perylene-d12	15.580	264	252284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	181196	20.231	ng	0.00
7) Phenol-d6	6.551	99	233168	20.301	ng	-0.01
23) Nitrobenzene-d5	7.481	82	183453	18.924	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	41296	17.317	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	434554	22.583	ng	0.00
79) Terphenyl-d14	13.027	244	388588	24.022	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	45069	9.724	ng	99
3) Pyridine	3.546	79	121796	9.862	ng	98
4) n-Nitrosodimethylamine	3.463	42	53152	9.239	ng	95
6) Aniline	6.587	93	165629	10.229	ng	98
8) 2-Chlorophenol	6.716	128	94079	9.830	ng	97
9) Benzaldehyde	6.481	77	85899	11.315	ng	99
10) Phenol	6.569	94	138719	10.195	ng	94
11) bis(2-Chloroethyl)ether	6.657	93	100958	10.068	ng	99
12) 1,3-Dichlorobenzene	6.869	146	114502	10.373	ng	99
13) 1,4-Dichlorobenzene	6.945	146	116940	10.555	ng	97
14) 1,2-Dichlorobenzene	7.098	146	109638	10.425	ng	99
15) Benzyl Alcohol	7.063	79	75894	9.218	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	186451	10.414	ng	96
17) 2-Methylphenol	7.175	107	80378	9.950	ng	99
18) Hexachloroethane	7.445	117	33555	9.660	ng	98
19) n-Nitroso-di-n-propyla...	7.328	70	72922	10.275	ng	95
20) 3+4-Methylphenols	7.328	107	103058	10.548	ng	# 85
22) Acetophenone	7.328	105	144189	10.840	ng	98
24) Nitrobenzene	7.504	77	99226	9.425	ng	98
25) Isophorone	7.739	82	199699	10.091	ng	98
26) 2-Nitrophenol	7.822	139	25672	9.265	ng	98
27) 2,4-Dimethylphenol	7.857	122	78873	9.553	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	123627	10.232	ng	99
29) 2,4-Dichlorophenol	8.069	162	77156	9.568	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	87392	10.274	ng	98
31) Naphthalene	8.233	128	308901	10.634	ng	98
32) Benzoic acid	7.939	122	20894m	10.319	ng	
33) 4-Chloroaniline	8.275	127	105601	10.079	ng	99
34) Hexachlorobutadiene	8.351	225	54615	10.321	ng	99
35) Caprolactam	8.610	113	18357	8.098	ng	93
36) 4-Chloro-3-methylphenol	8.757	107	82681	9.780	ng	96
37) 2-Methylnaphthalene	8.922	142	203203	10.641	ng	100
38) 1-Methylnaphthalene	9.022	142	197497	10.738	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	92307	10.338	ng	99
41) Hexachlorocyclopentadiene	9.081	237	14343	10.801	ng	100
43) 2,4,6-Trichlorophenol	9.198	196	44424	8.769	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143345.D
 Acq On : 12 Aug 2025 10:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/13/2025
 Supervised By :Jagrut Upadhyay 08/13/2025

Quant Time: Aug 12 13:17:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	50263	8.786	ng	98
46) 1,1'-Biphenyl	9.380	154	245641	10.647	ng	99
47) 2-Chloronaphthalene	9.410	162	191809	10.556	ng	98
48) 2-Nitroaniline	9.498	65	36444	9.319	ng	93
49) Acenaphthylene	9.822	152	274441	10.459	ng	99
50) Dimethylphthalate	9.675	163	192210	10.081	ng	100
51) 2,6-Dinitrotoluene	9.733	165	24005	9.205	ng	88
52) Acenaphthene	9.998	154	183915	10.543	ng	100
53) 3-Nitroaniline	9.904	138	31507	8.069	ng	92
54) 2,4-Dinitrophenol	10.022	184	4834	10.356	ng	92
55) Dibenzofuran	10.169	168	267653	10.660	ng	99
56) 4-Nitrophenol	10.075	139	15708	10.166	ng	92
57) 2,4-Dinitrotoluene	10.139	165	31226	9.126	ng	91
58) Fluorene	10.510	166	210161	10.959	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	30681	7.955	ng	98
60) Diethylphthalate	10.375	149	173119	10.137	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	97989	10.575	ng	99
62) 4-Nitroaniline	10.516	138	32919	8.714	ng	97
63) Azobenzene	10.657	77	200367	10.272	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	9325	11.085	ng	92
66) n-Nitrosodiphenylamine	10.616	169	171289	10.169	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	56818	9.712	ng	97
68) Hexachlorobenzene	11.063	284	63639	10.091	ng	99
69) Atrazine	11.139	200	40124	9.133	ng	100
70) Pentachlorophenol	11.257	266	14951	10.407	ng	94
71) Phenanthrene	11.474	178	296410	10.620	ng	98
72) Anthracene	11.527	178	298872	10.559	ng	99
73) Carbazole	11.674	167	255831	10.613	ng	100
74) Di-n-butylphthalate	12.004	149	189069	9.269	ng	99
75) Fluoranthene	12.663	202	269569	11.026	ng	99
77) Benzidine	12.780	184	78152	9.898	ng	100
78) Pyrene	12.892	202	283403	11.697	ng	98
80) Butylbenzylphthalate	13.504	149	30088	9.196	ng	99
81) Benzo(a)anthracene	14.074	228	176759	9.629	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	36804	7.425	ng	98
83) Chrysene	14.110	228	180427	10.541	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	39945	9.191	ng	100
85) Di-n-octyl phthalate	14.674	149	78702	10.933	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	183505	10.153	ng	99
88) Benzo(b)fluoranthene	15.139	252	129605	9.392	ng	99
89) Benzo(k)fluoranthene	15.168	252	136296	10.165	ng	98
90) Benzo(a)pyrene	15.515	252	127540	9.814	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	146537	10.148	ng	98
92) Benzo(g,h,i)perylene	17.551	276	150383	10.338	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143345.D
 Acq On : 12 Aug 2025 10:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025

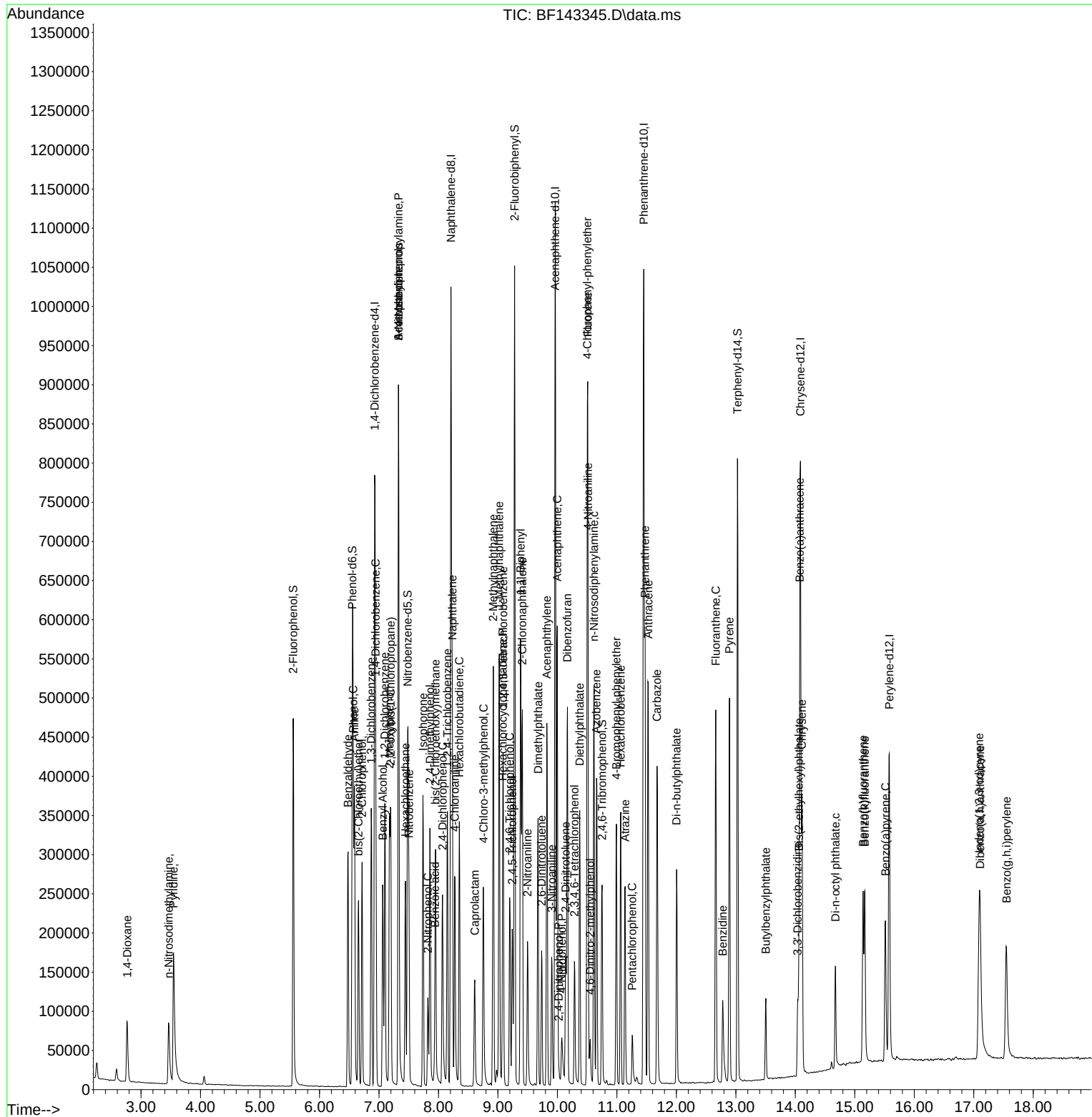
Quant Time: Aug 12 13:17:37 2025

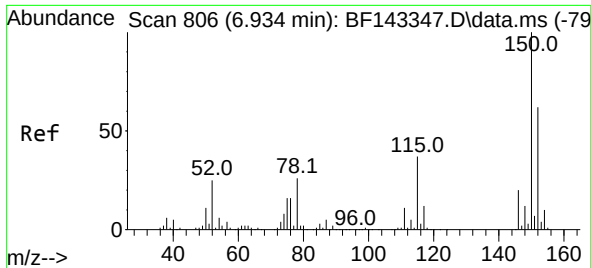
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 12 13:02:27 2025

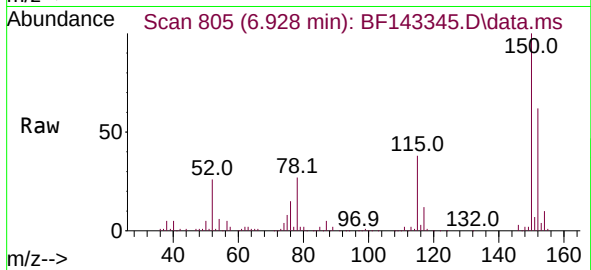
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

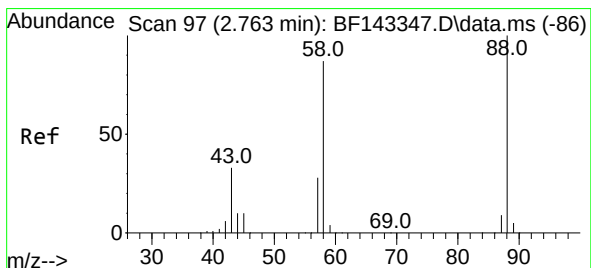
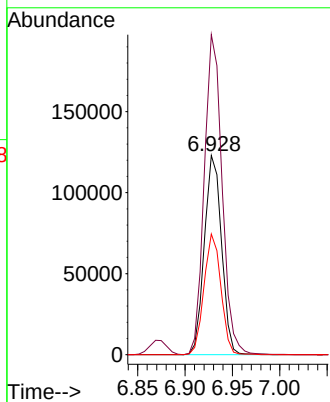
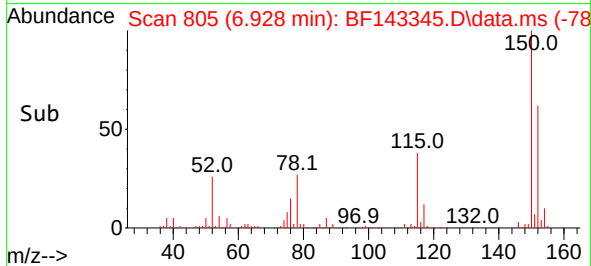
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 15488
Ion Ratio Lower Upper
152 100
150 160.6 129.8 194.8
115 60.6 47.8 71.8

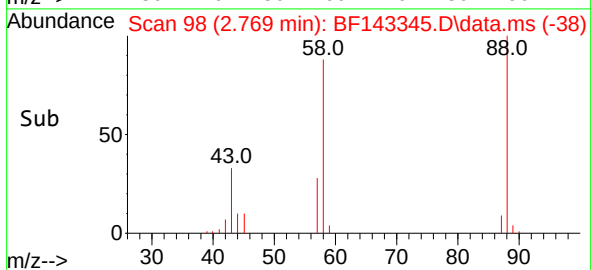
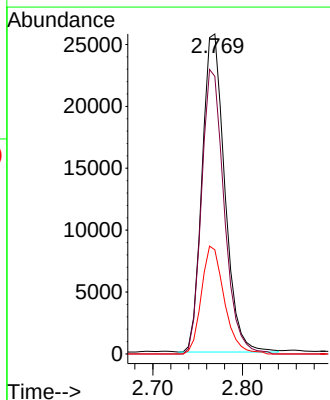
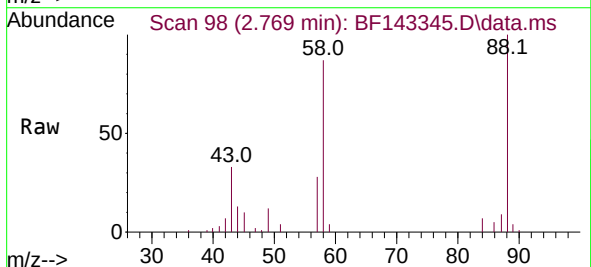
Manual Integrations
APPROVED

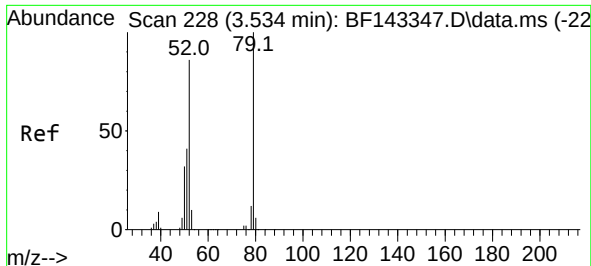
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#2
1,4-Dioxane
Concen: 9.724 ng
RT: 2.769 min Scan# 98
Delta R.T. 0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 88 Resp: 45069
Ion Ratio Lower Upper
88 100
58 89.2 71.0 106.6
43 34.2 27.0 40.6





#3

Pyridine

Concen: 9.862 ng

RT: 3.546 min Scan# 216

Delta R.T. 0.012 min

Lab File: BF143345.D

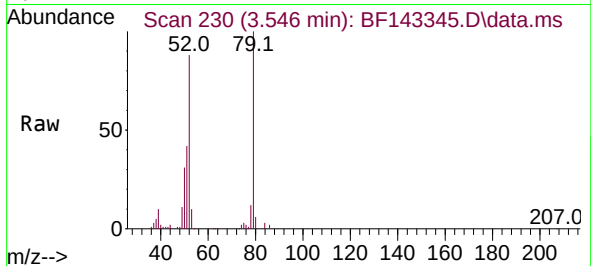
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

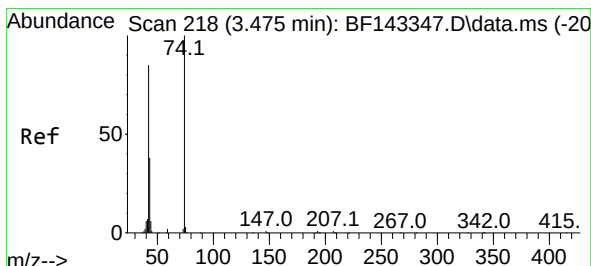
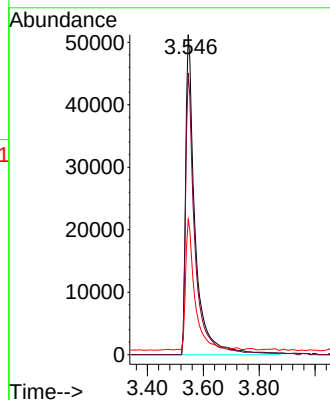
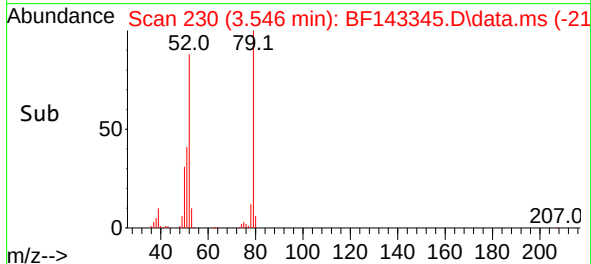


Tgt Ion:	79	Resp:	121790
Ion Ratio	Lower	Upper	
79	100		
52	88.0	68.7	103.1
51	42.2	33.4	50.0

Manual Integrations
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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#4

n-Nitrosodimethylamine

Concen: 9.239 ng

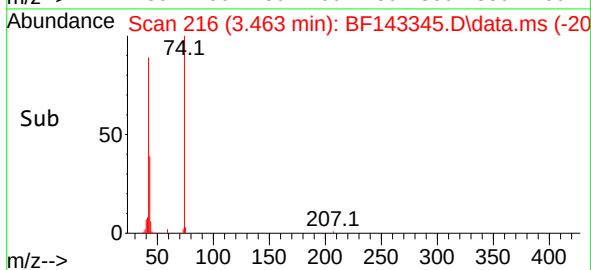
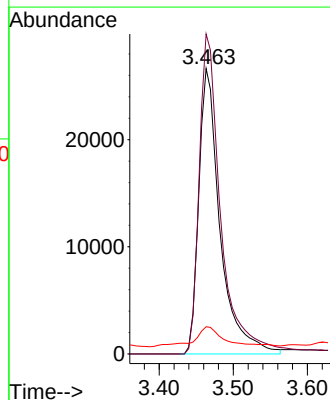
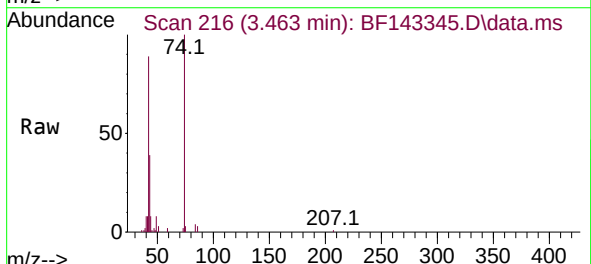
RT: 3.463 min Scan# 216

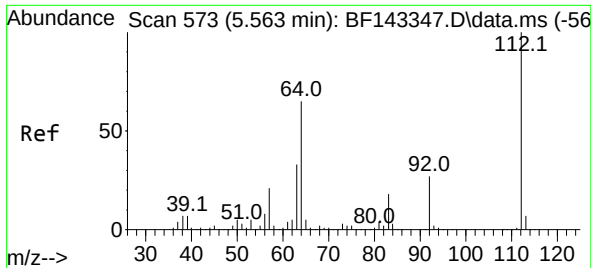
Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:	42	Resp:	53152
Ion Ratio	Lower	Upper	
42	100		
74	112.1	94.1	141.1
44	9.5	6.5	9.7





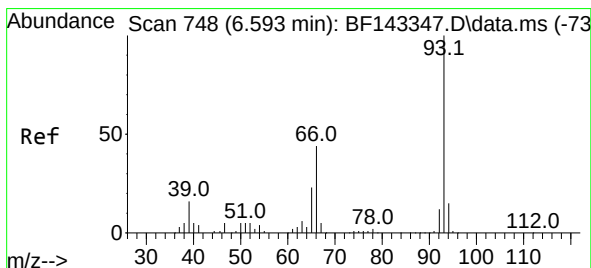
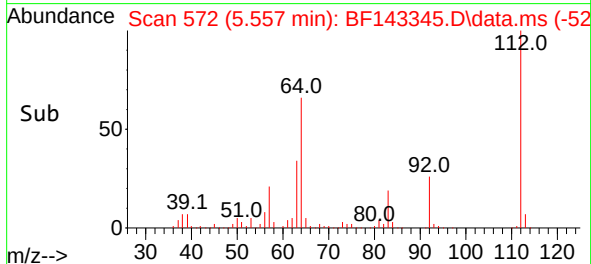
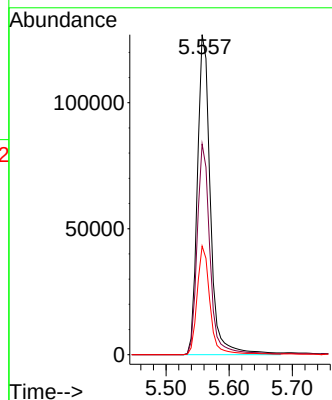
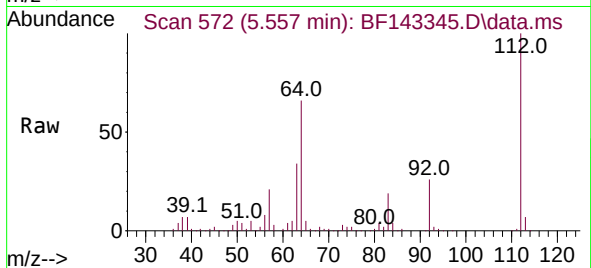
#5
2-Fluorophenol
Concen: 20.231 ng
RT: 5.557 min Scan# 511
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 181190
Ion Ratio Lower Upper
112 100
64 65.8 52.1 78.1
63 33.9 26.6 39.8

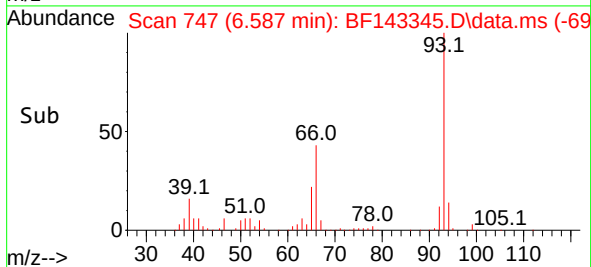
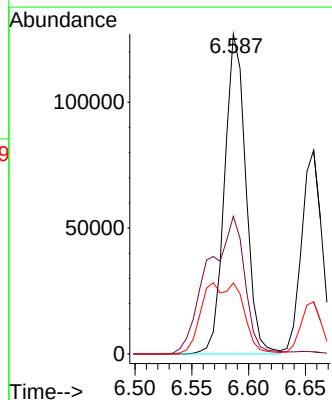
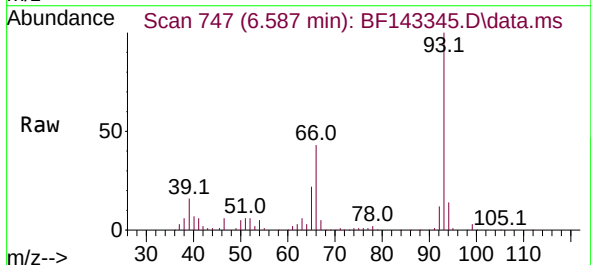
Manual Integrations
APPROVED

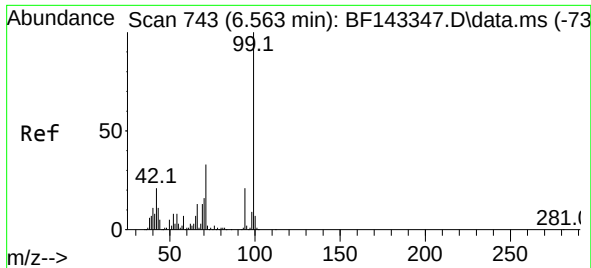
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#6
Aniline
Concen: 10.229 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

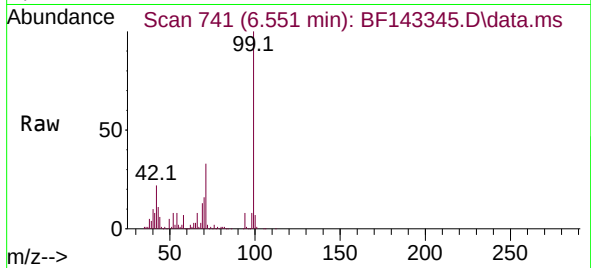
Tgt Ion: 93 Resp: 165629
Ion Ratio Lower Upper
93 100
66 43.0 35.3 52.9
65 22.2 18.2 27.4





#7
Phenol-d6
Concen: 20.301 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

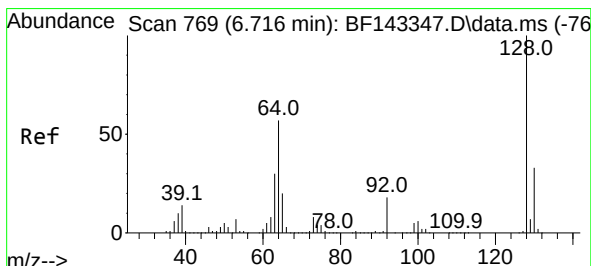
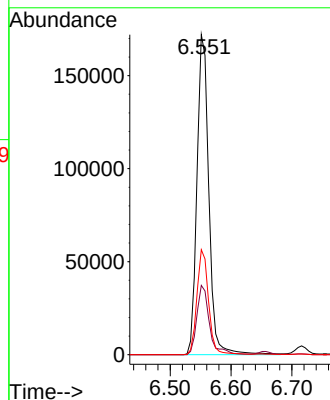
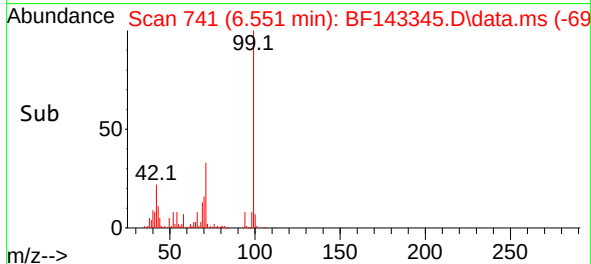
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



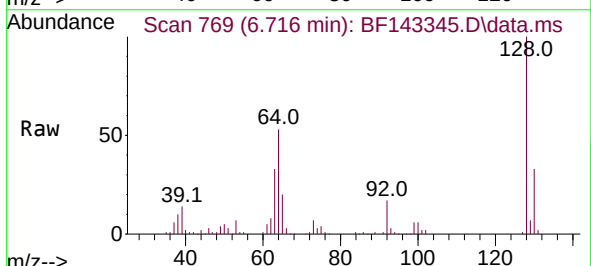
Tgt Ion: 99 Resp: 23316
Ion Ratio Lower Upper
99 100
42 21.7 16.6 25.0
71 32.8 26.2 39.2

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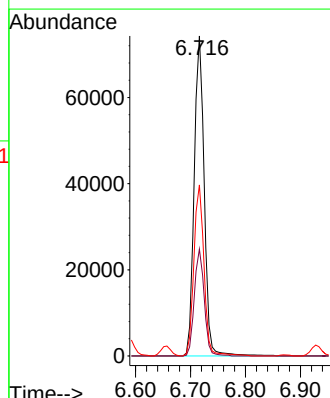
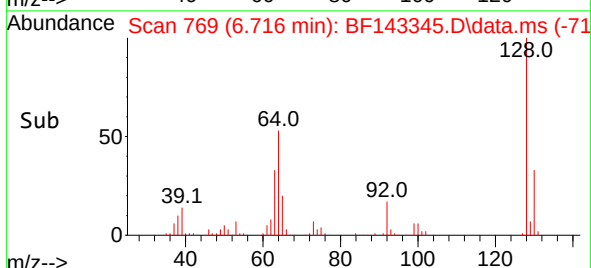
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

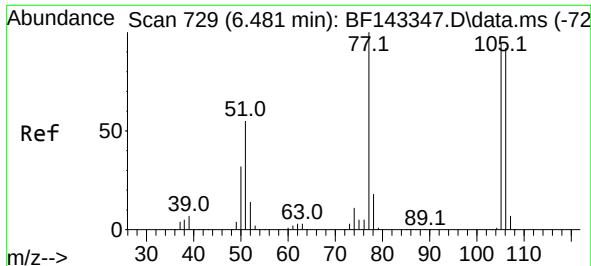


#8
2-Chlorophenol
Concen: 9.830 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:128 Resp: 94079
Ion Ratio Lower Upper
128 100
130 33.4 12.6 52.6
64 53.4 36.7 76.7





#9

Benzaldehyde

Concen: 11.315 ng

RT: 6.481 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143345.D

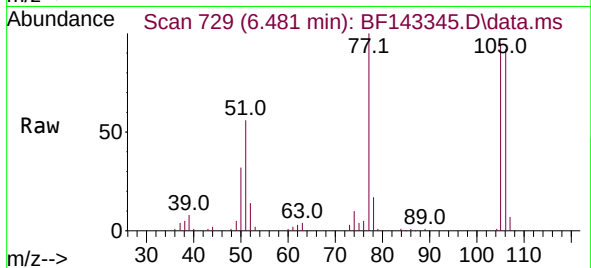
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



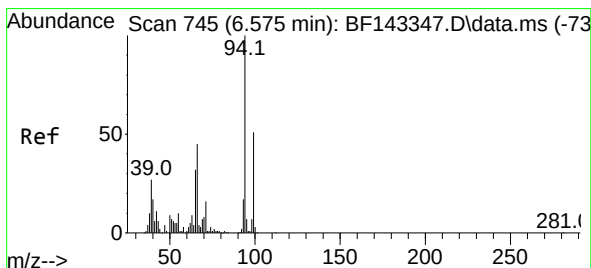
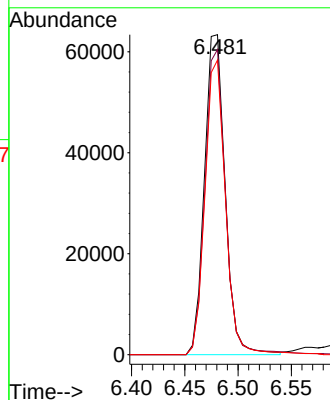
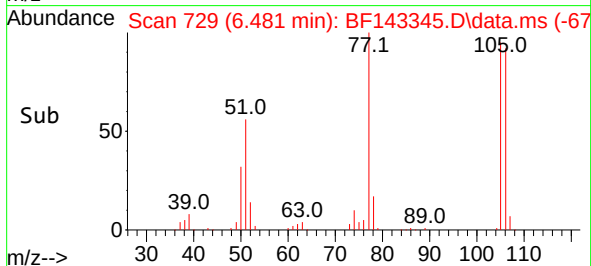
Tgt Ion:	77	Resp:	8589
Ion Ratio	Lower	Upper	
77	100		
105	95.4	74.2	114.2
106	92.0	72.2	112.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#10

Phenol

Concen: 10.195 ng

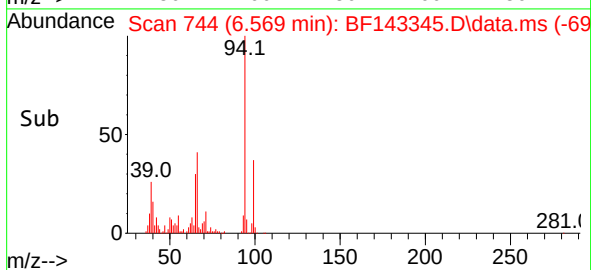
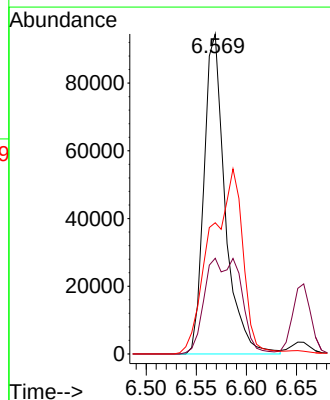
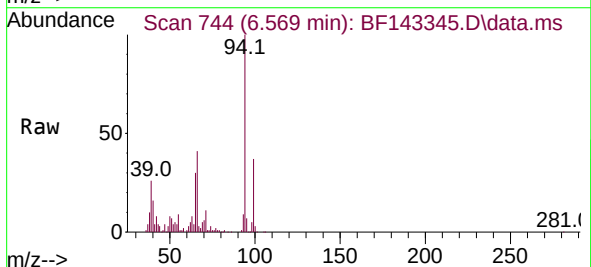
RT: 6.569 min Scan# 744

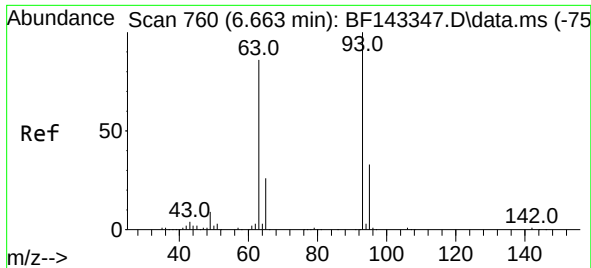
Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:	94	Resp:	138719
Ion Ratio	Lower	Upper	
94	100		
65	29.9	12.0	52.0
66	41.0	25.6	65.6





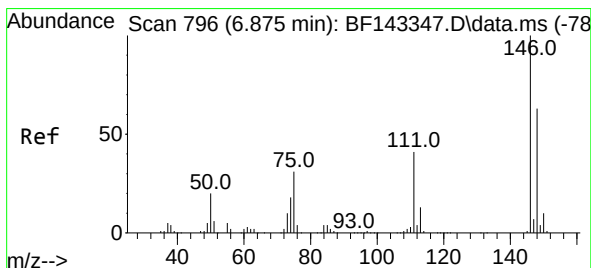
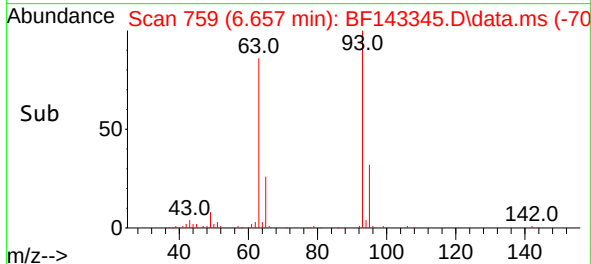
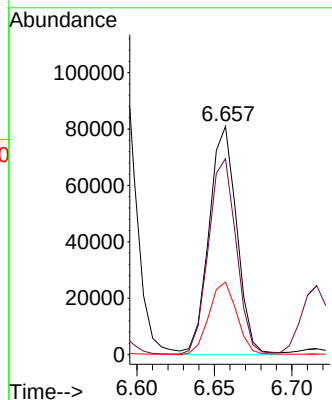
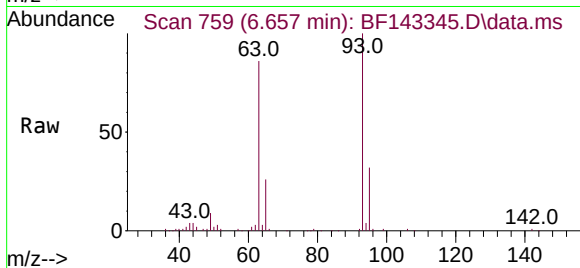
#11
bis(2-Chloroethyl)ether
Concen: 10.068 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 100958
Ion Ratio Lower Upper
93 100
63 85.8 65.7 105.7
95 31.8 13.0 53.0

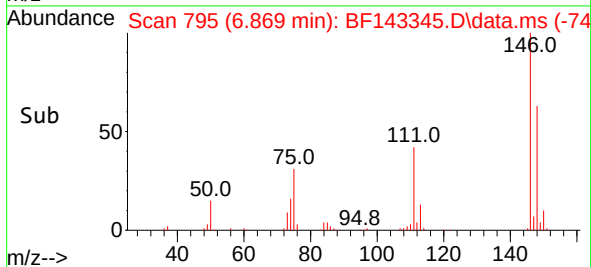
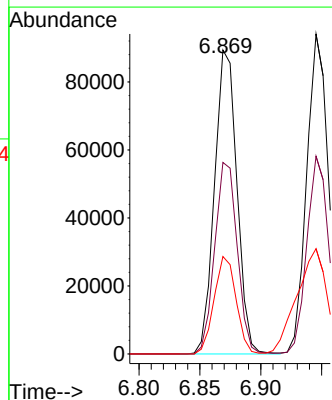
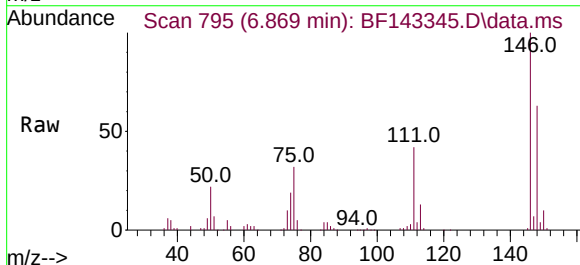
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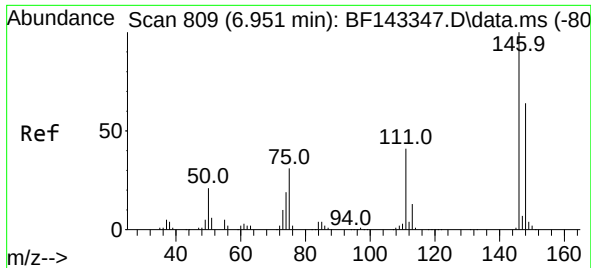
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#12
1,3-Dichlorobenzene
Concen: 10.373 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 114502
Ion Ratio Lower Upper
146 100
148 63.0 50.5 75.7
75 32.1 24.9 37.3





#13
1,4-Dichlorobenzene
Concen: 10.555 ng
RT: 6.945 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

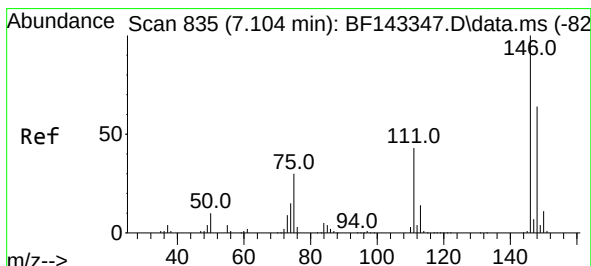
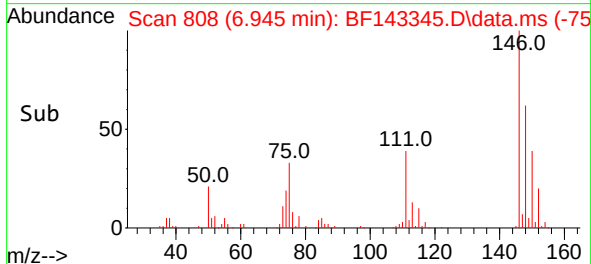
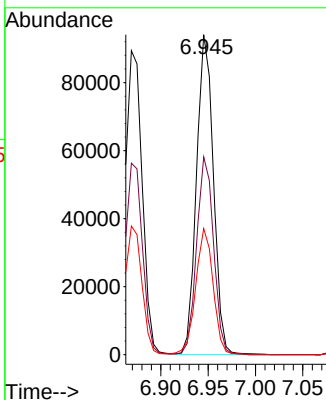
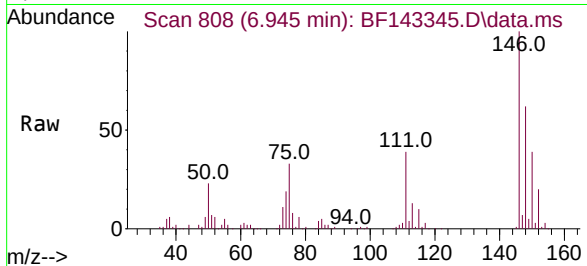
ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 116940
Ion Ratio Lower Upper
146 100
148 61.8 51.4 77.0
111 39.4 32.6 48.8

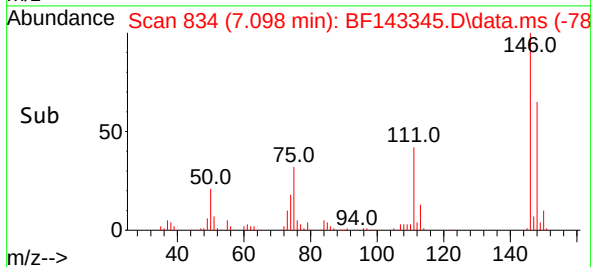
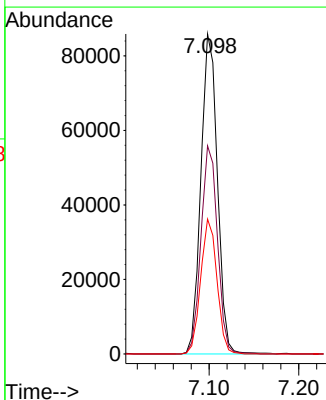
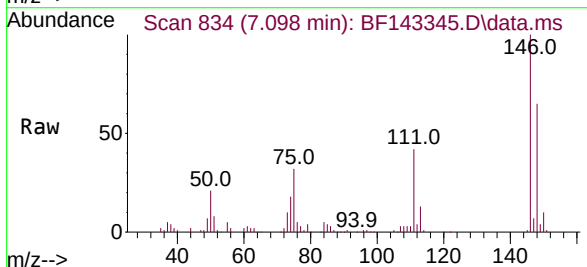
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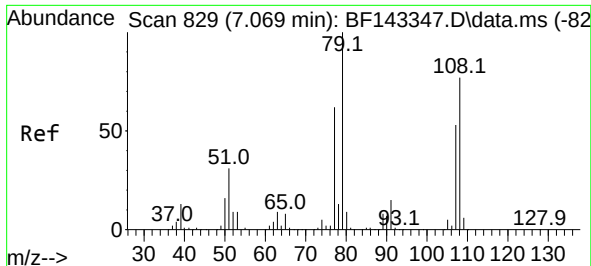
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#14
1,2-Dichlorobenzene
Concen: 10.425 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 109638
Ion Ratio Lower Upper
146 100
148 65.0 51.4 77.2
111 42.2 34.1 51.1





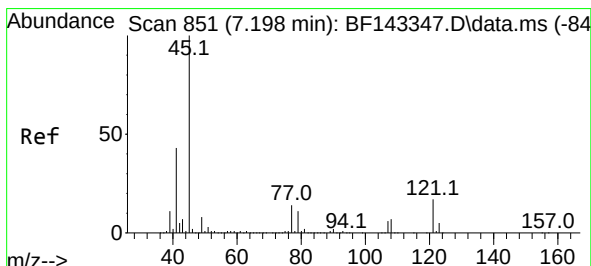
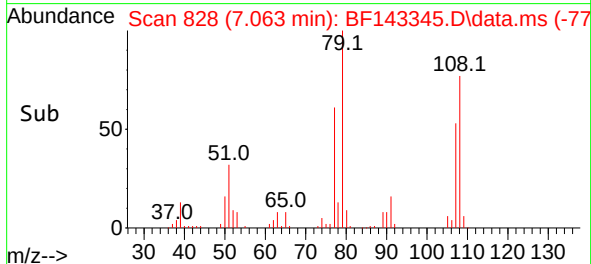
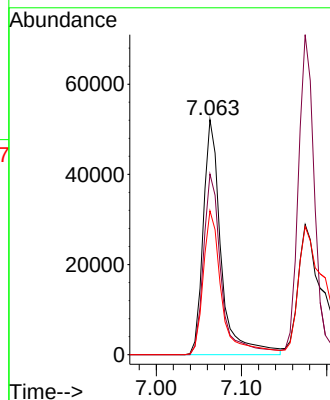
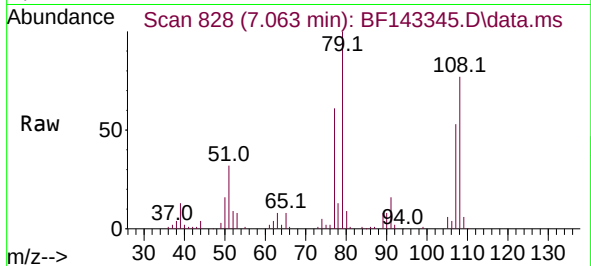
#15
Benzyl Alcohol
Concen: 9.218 ng
RT: 7.063 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 75894
Ion Ratio Lower Upper
79 100
108 76.8 61.5 92.3
77 61.2 49.8 74.8

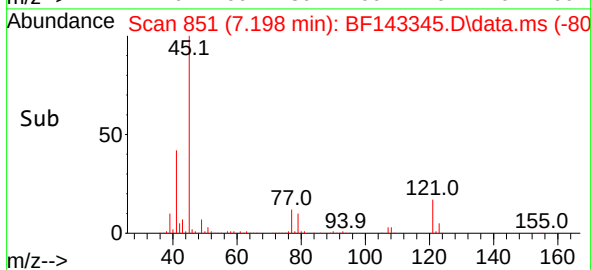
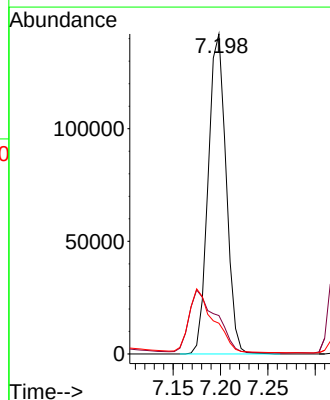
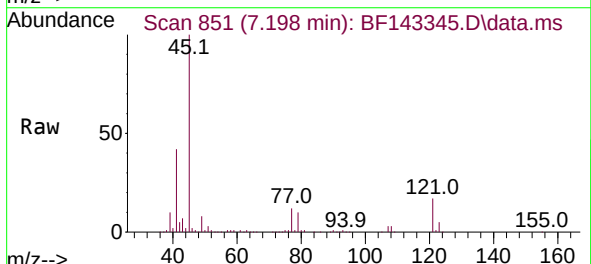
Manual Integrations
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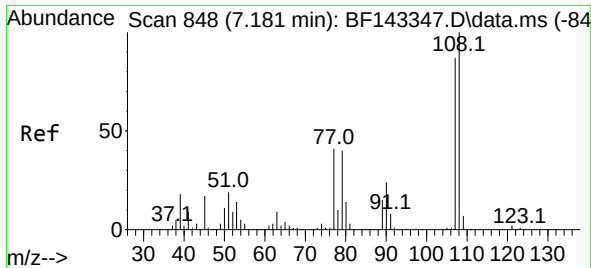
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.414 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

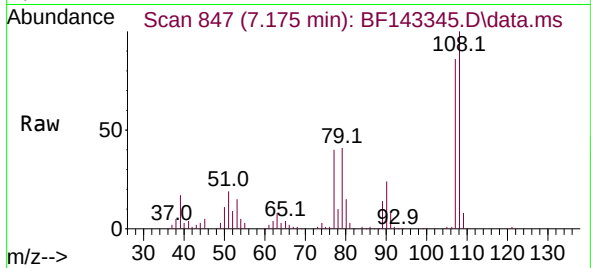
Tgt Ion: 45 Resp: 186451
Ion Ratio Lower Upper
45 100
77 12.0 0.0 34.0
79 9.6 0.0 31.1





#17
2-Methylphenol
Concen: 9.950 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

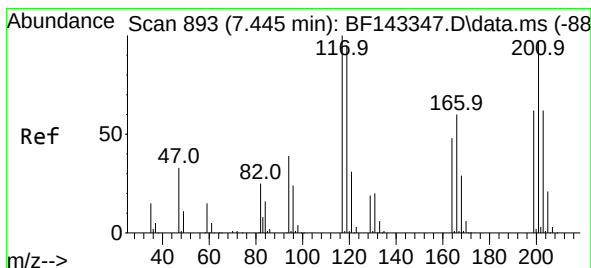
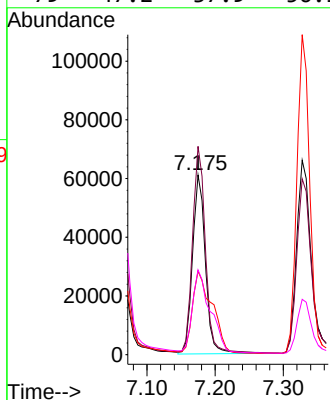
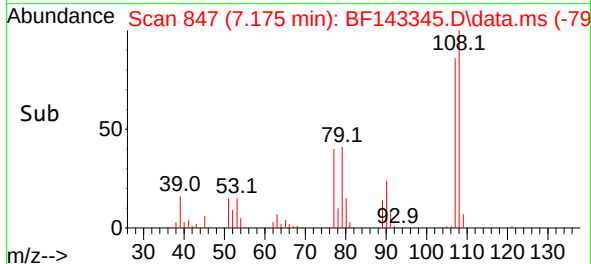
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



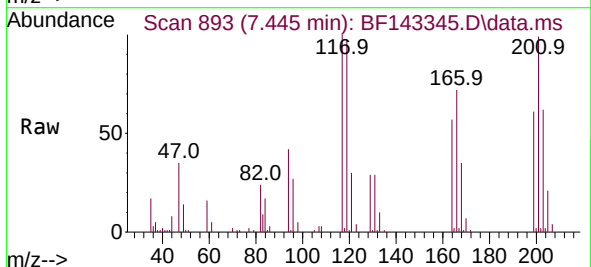
Tgt Ion:107 Resp: 80378
Ion Ratio Lower Upper
107 100
108 116.0 92.0 138.0
77 46.5 38.2 57.2
79 47.2 37.9 56.9

Manual Integrations
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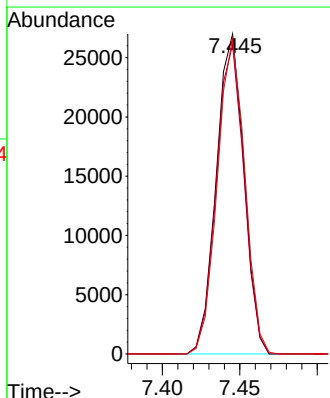
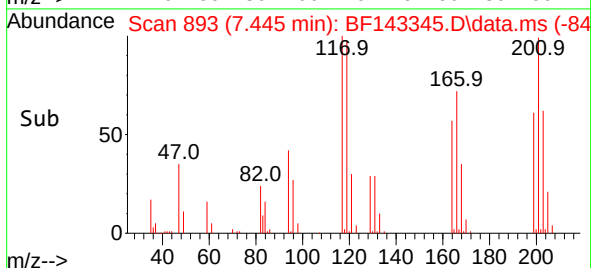
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

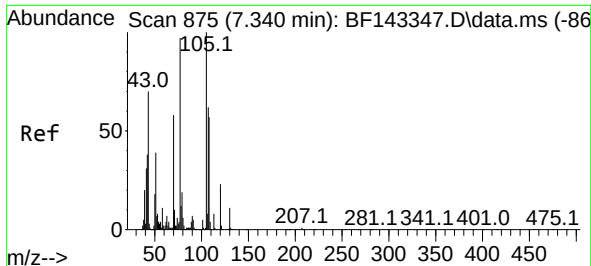


#18
Hexachloroethane
Concen: 9.660 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:117 Resp: 33555
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.8
201 98.6 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 10.275 ng

RT: 7.328 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143345.D

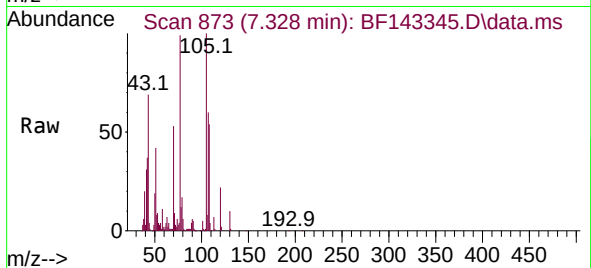
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 7292

Ion Ratio Lower Upper

70 100

42 69.0 51.6 77.4

101 9.1 7.5 11.3

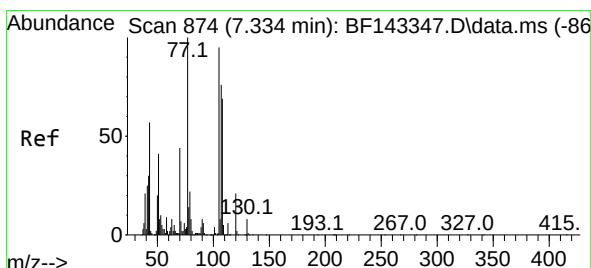
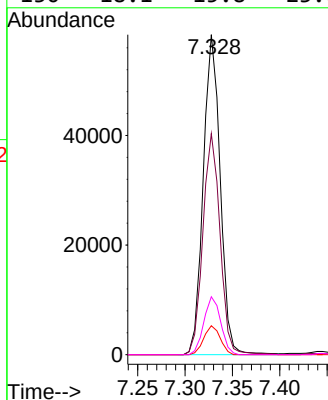
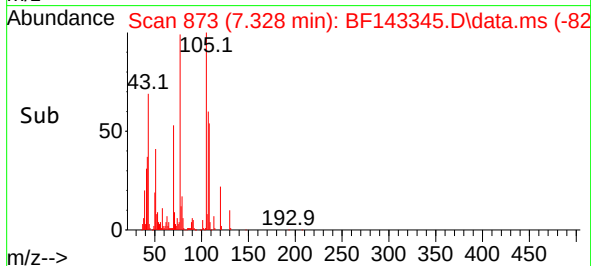
130 18.1 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#20

3+4-Methylphenols

Concen: 10.548 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 103058

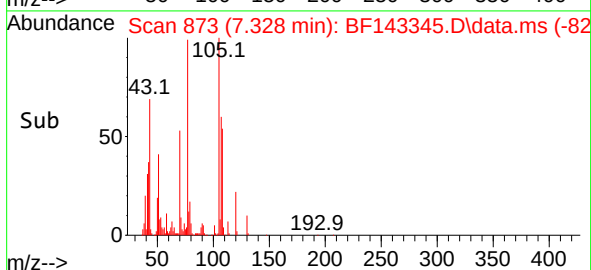
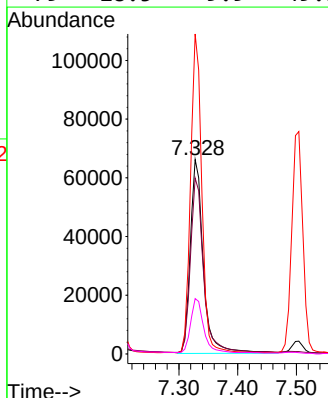
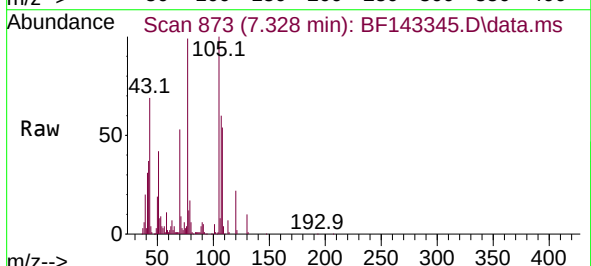
Ion Ratio Lower Upper

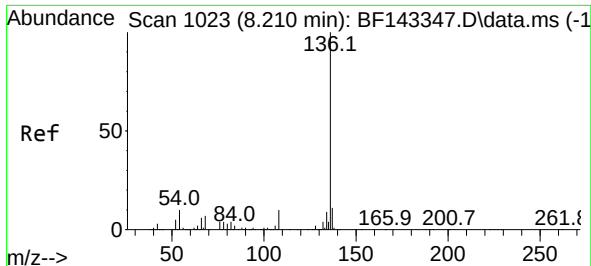
107 100

108 90.4 70.6 110.6

77 164.6 112.0 152.0#

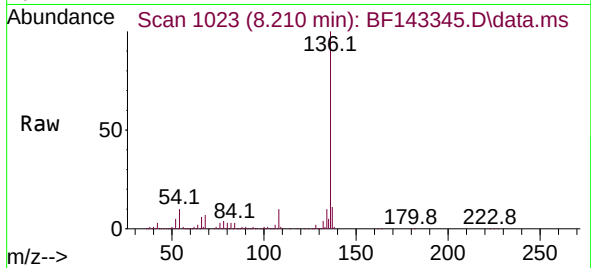
79 28.5 9.9 49.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

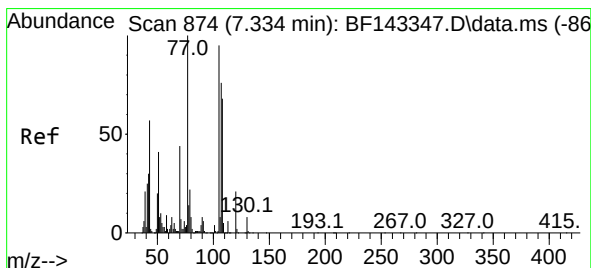
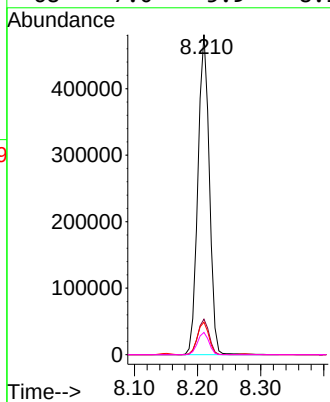
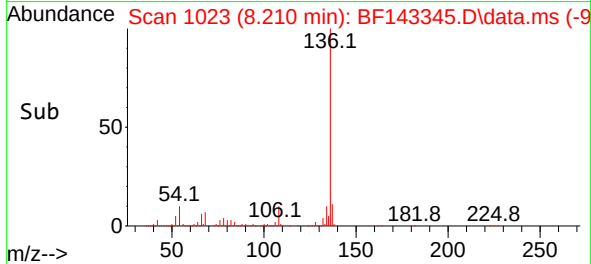
Instrument :
BNA_F
ClientSampleId :
SSTDIC010



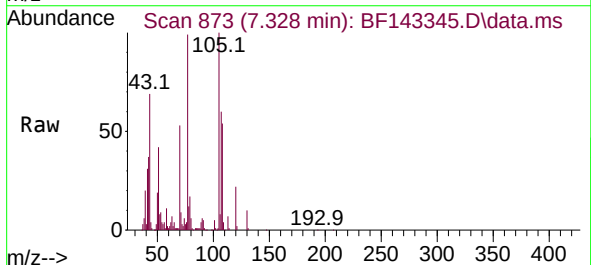
Tgt Ion:136 Resp: 60368
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.2 8.4 12.6
68 7.0 5.9 8.9

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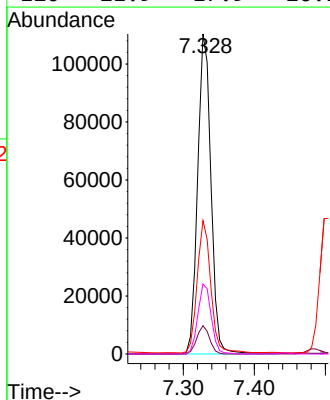
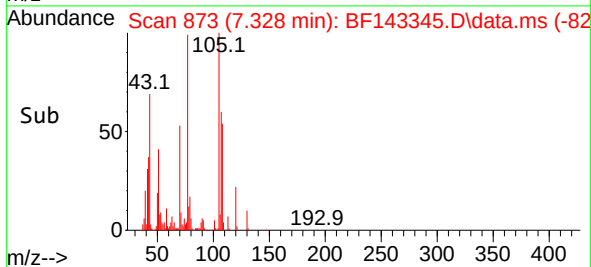
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

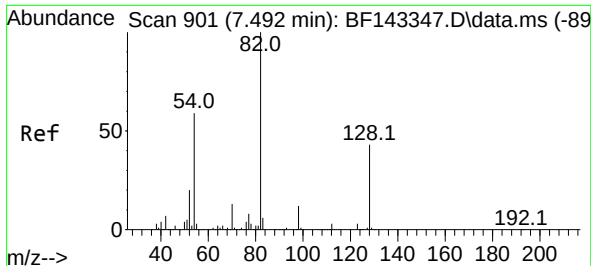


#22
Acetophenone
Concen: 10.840 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:105 Resp: 144189
Ion Ratio Lower Upper
105 100
71 8.8 6.2 9.4
51 41.6 34.8 52.2
120 21.9 17.9 26.9





#23
Nitrobenzene-d5
Concen: 18.924 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

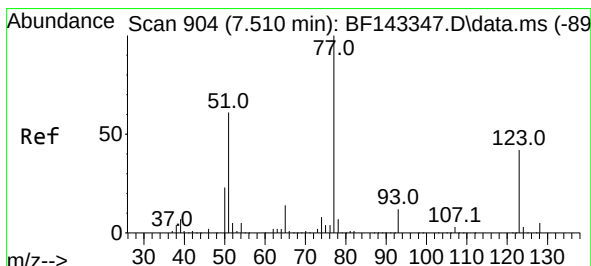
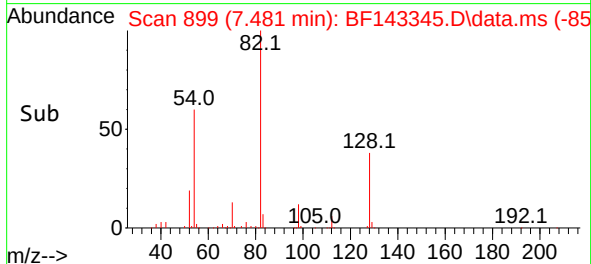
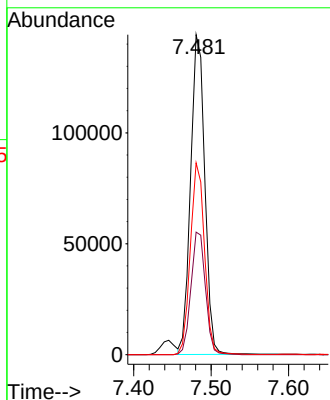
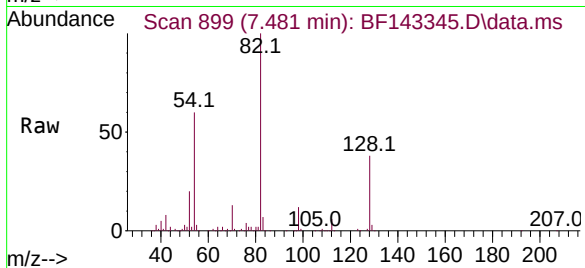
ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 18345
Ion Ratio Lower Upper
82 100
128 38.3 33.5 50.3
54 60.0 46.7 70.1

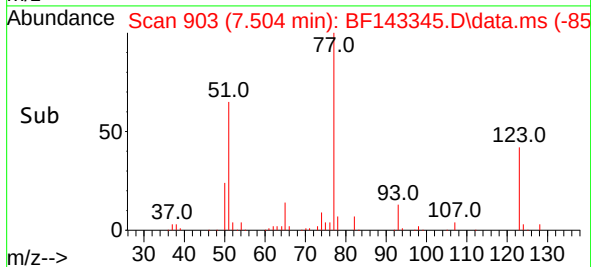
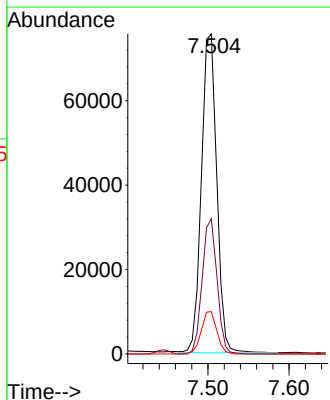
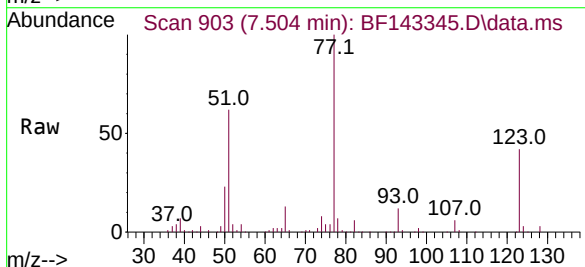
Manual Integrations
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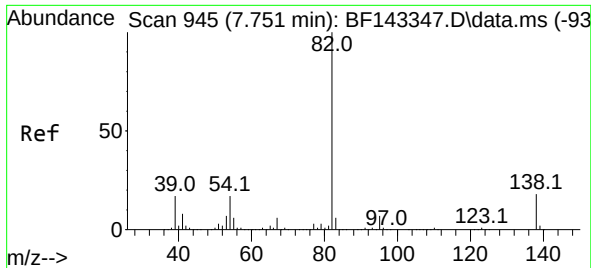
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#24
Nitrobenzene
Concen: 9.425 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

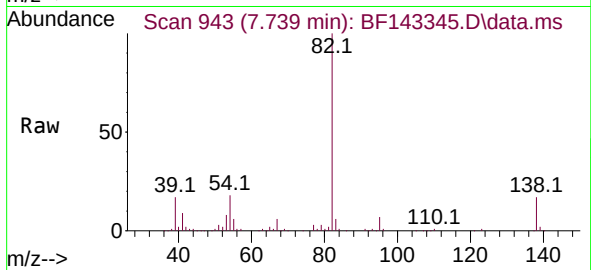
Tgt Ion: 77 Resp: 99226
Ion Ratio Lower Upper
77 100
123 42.3 34.8 52.2
65 13.2 11.0 16.6





#25
Isophorone
Concen: 10.091 ng
RT: 7.739 min Scan# 945
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

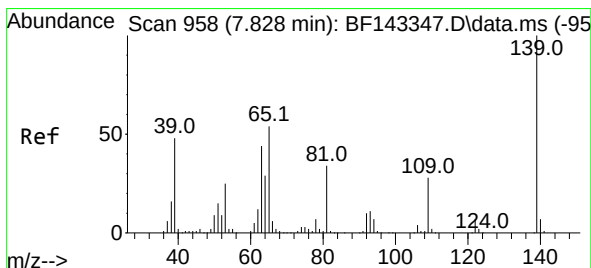
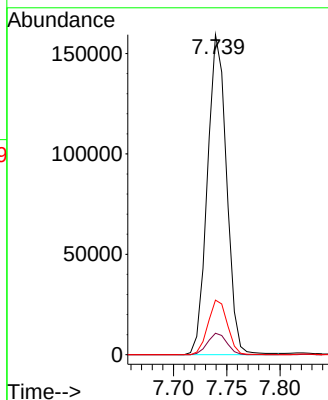
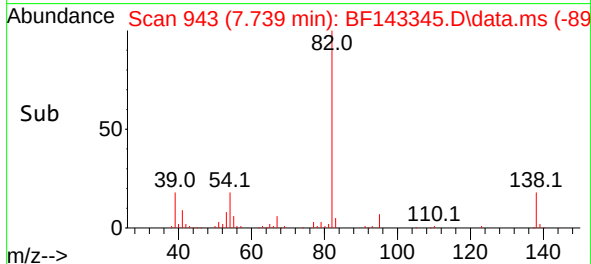
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



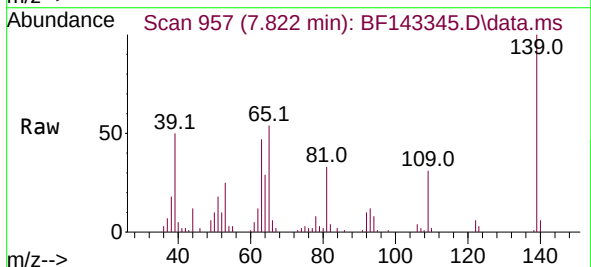
Tgt Ion: 82 Resp: 199699
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.1 14.6 21.8

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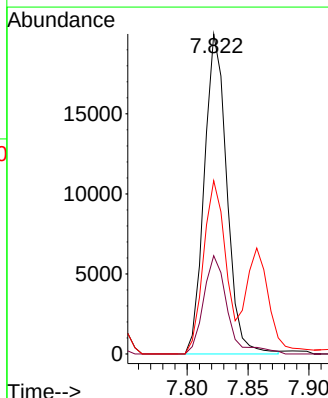
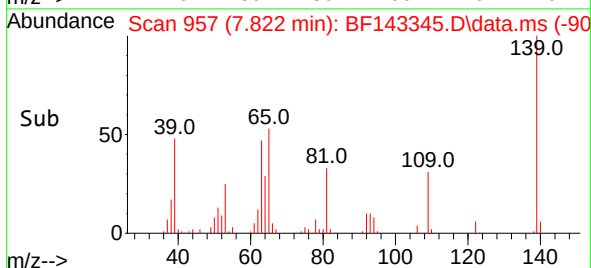
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

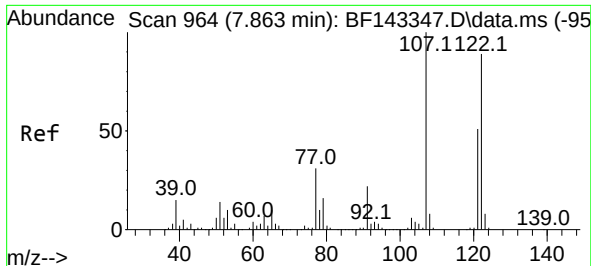


#26
2-Nitrophenol
Concen: 9.265 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:139 Resp: 25672
Ion Ratio Lower Upper
139 100
109 30.7 22.4 33.6
65 54.1 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 9.553 ng

RT: 7.857 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

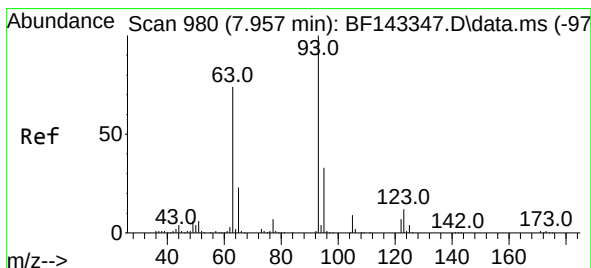
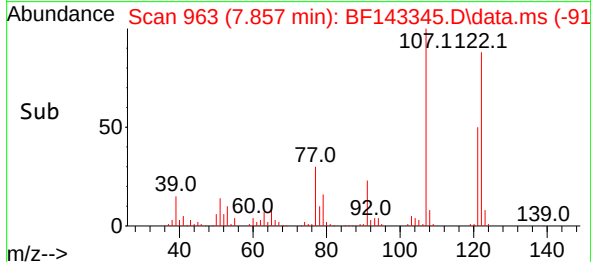
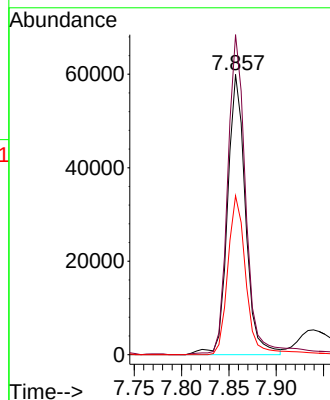
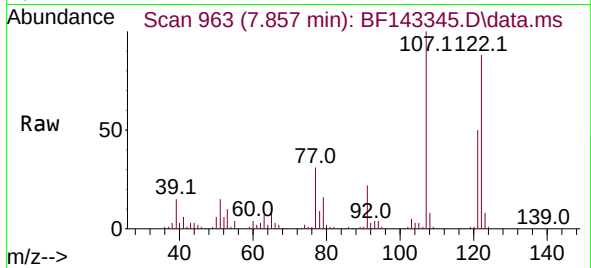
Tgt Ion:	122	Resp:	7887
Ion Ratio	Lower	Upper	
122	100		
107	114.2	89.9	134.9
121	56.7	46.2	69.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.232 ng

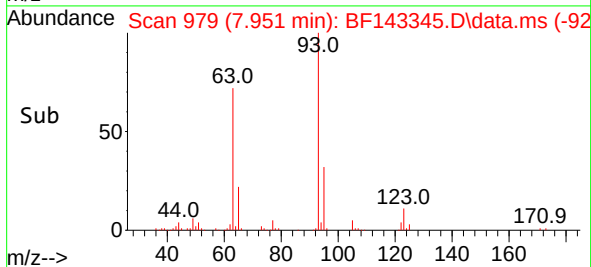
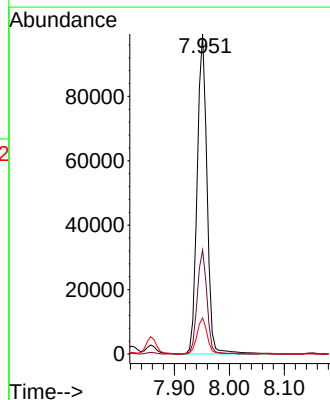
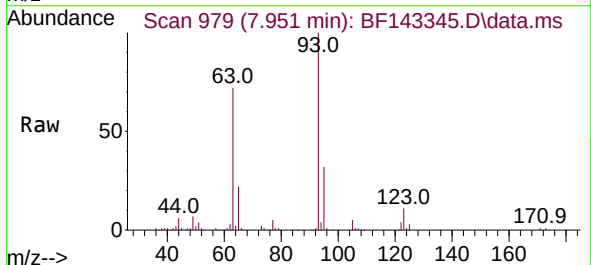
RT: 7.951 min Scan# 979

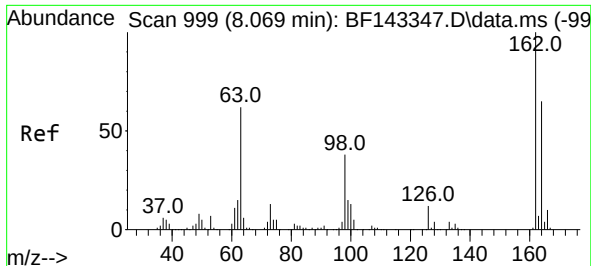
Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:	93	Resp:	123627
Ion Ratio	Lower	Upper	
93	100		
95	32.4	26.2	39.4
123	11.3	9.4	14.2





#29

2,4-Dichlorophenol

Concen: 9.568 ng

RT: 8.069 min Scan# 99

Delta R.T. -0.000 min

Lab File: BF143345.D

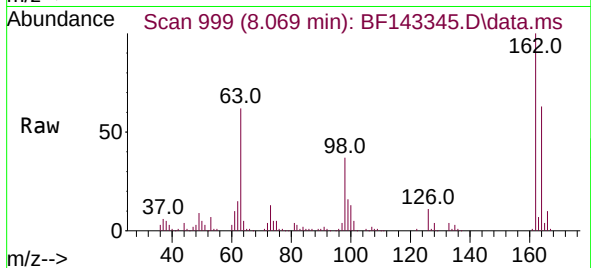
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

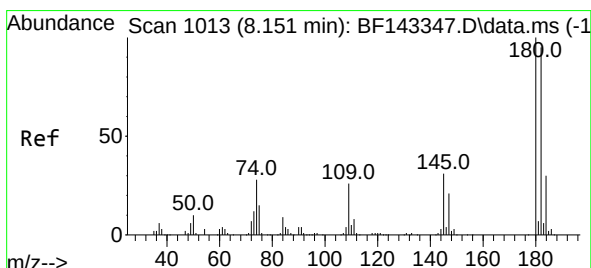
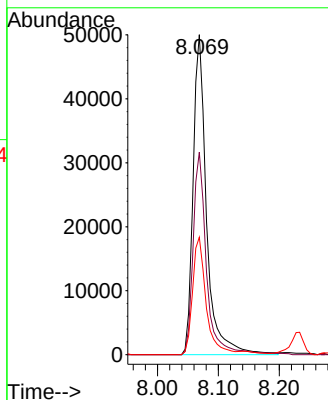
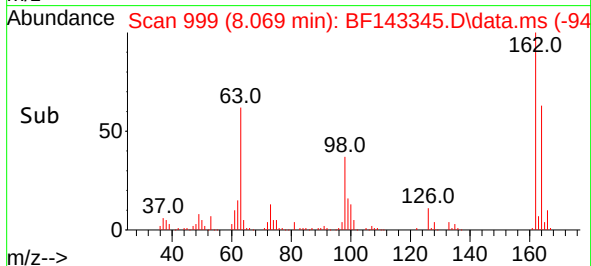


Tgt Ion:162	Resp:	77150
Ion Ratio	Lower	Upper
162	100	
164	63.3	44.5 84.5
98	36.7	17.7 57.7

Manual Integrations
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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.274 ng

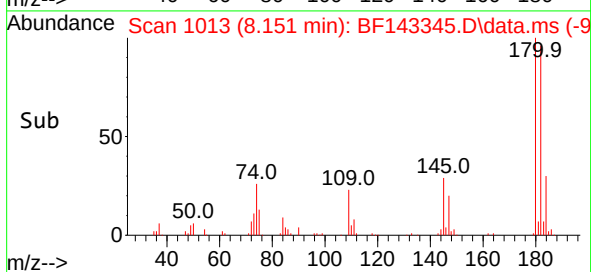
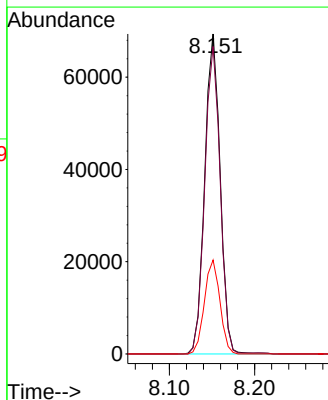
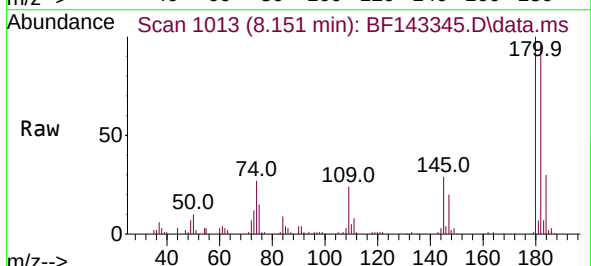
RT: 8.151 min Scan# 1013

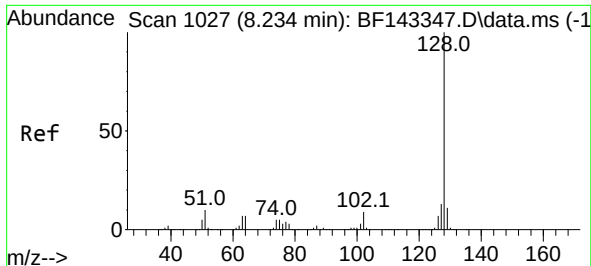
Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

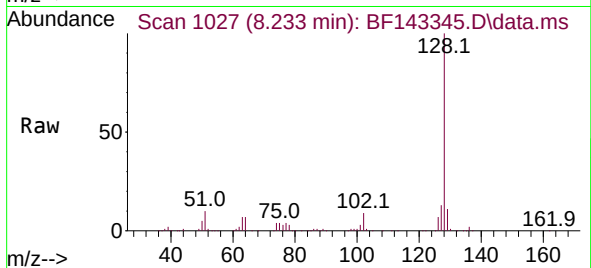
Tgt Ion:180	Resp:	87392
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.1 114.1
145	29.4	24.9 37.3





#31
Naphthalene
Concen: 10.634 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

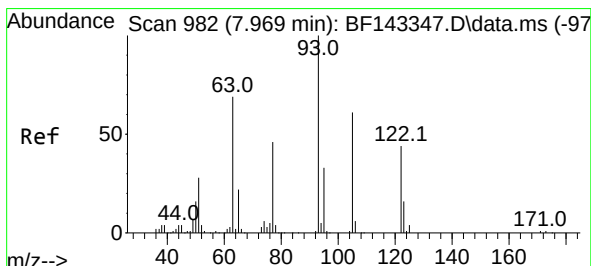
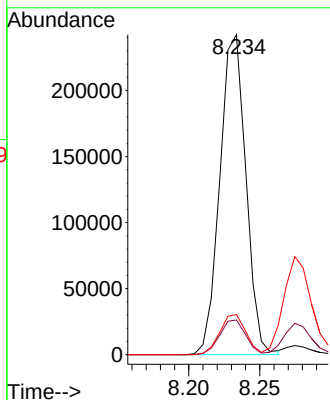
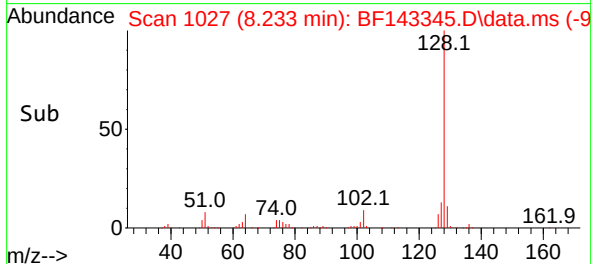
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



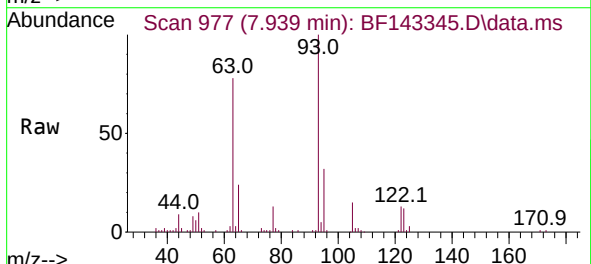
Tgt Ion:128 Resp: 30890
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.6 10.7 16.1

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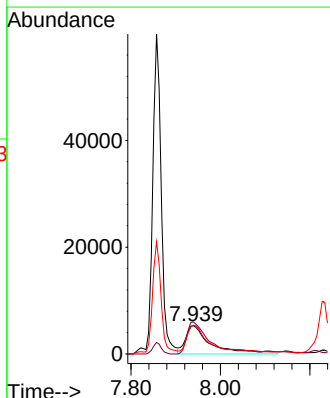
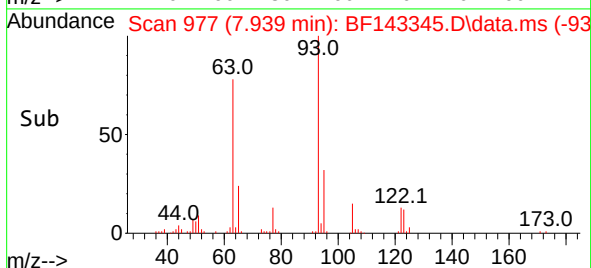
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

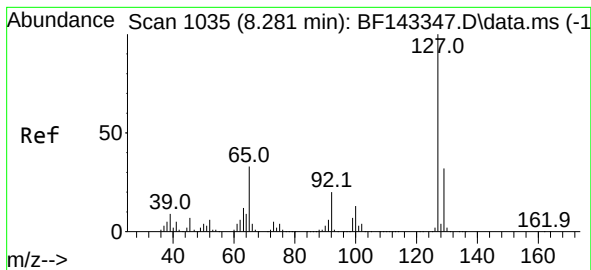


#32
Benzoic acid
Concen: 10.319 ng m
RT: 7.939 min Scan# 977
Delta R.T. -0.030 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:122 Resp: 20894
Ion Ratio Lower Upper
122 100
105 113.7 106.4 146.4
77 101.1 79.2 119.2





#33
4-Chloroaniline
Concen: 10.079 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

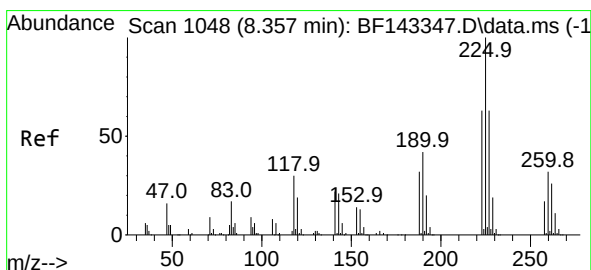
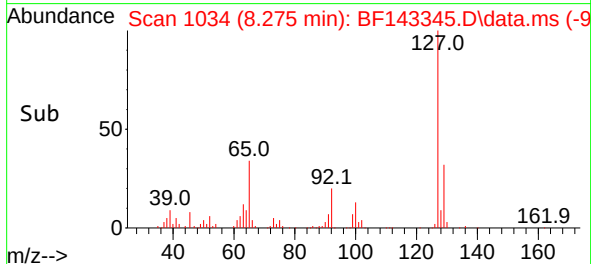
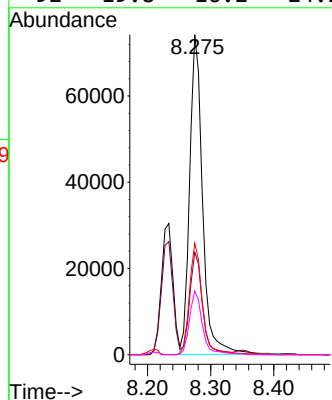
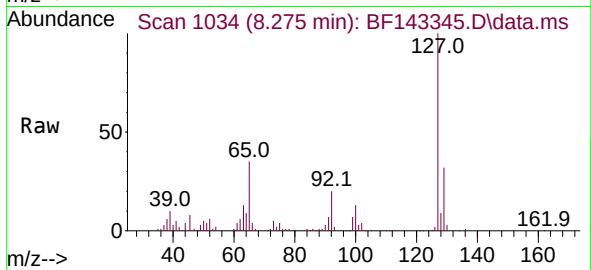
ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 10560
Ion Ratio Lower Upper
127 100
129 32.0 26.0 39.0
65 34.8 27.0 40.4
92 19.8 16.2 24.2

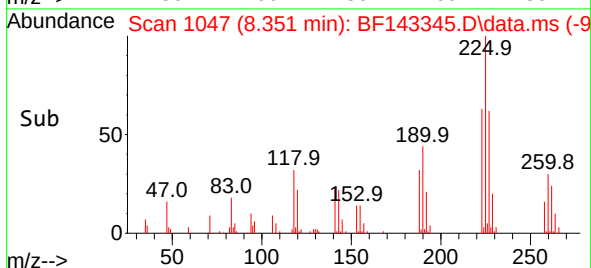
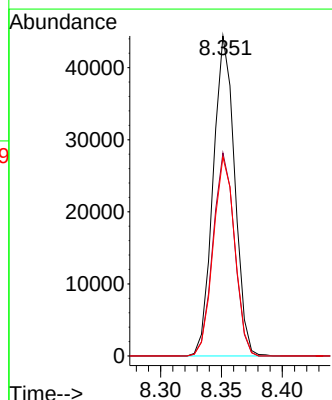
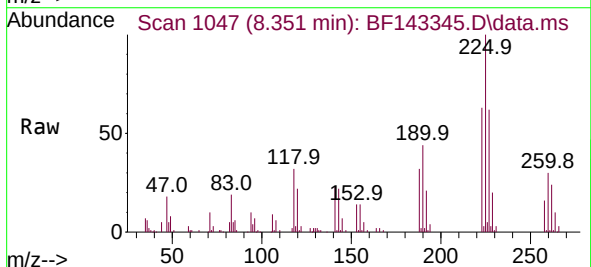
Manual Integrations
APPROVED

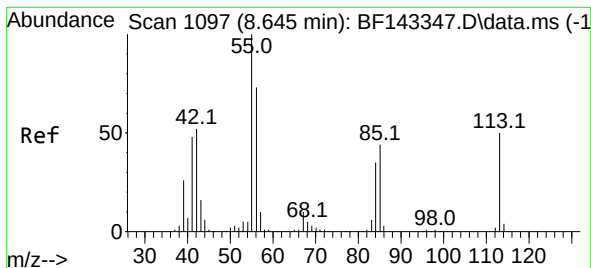
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#34
Hexachlorobutadiene
Concen: 10.321 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:225 Resp: 54615
Ion Ratio Lower Upper
225 100
223 63.5 50.1 75.1
227 62.1 50.6 75.8





#35

Caprolactam

Concen: 8.098 ng

RT: 8.610 min Scan# 1109

Delta R.T. -0.035 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

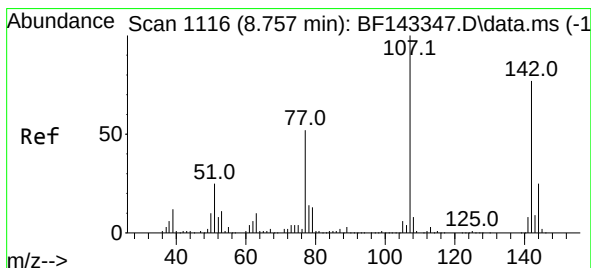
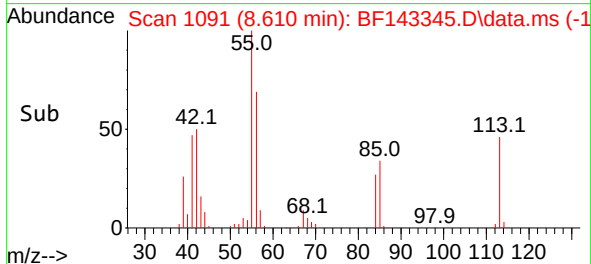
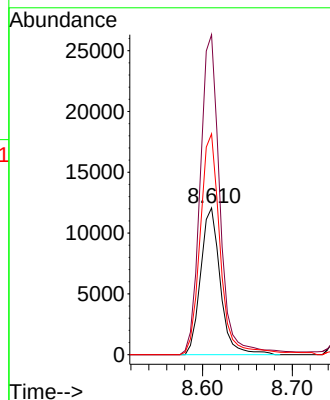
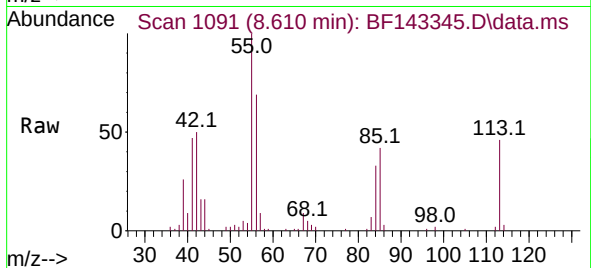
Tgt Ion:	113	Resp:	1835
Ion Ratio	Lower	Upper	
113	100		
55	218.1	181.4	221.4
56	150.5	127.3	167.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#36

4-Chloro-3-methylphenol

Concen: 9.780 ng

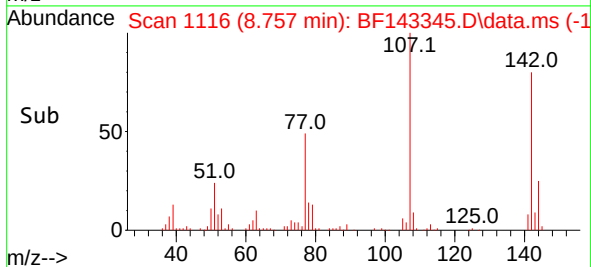
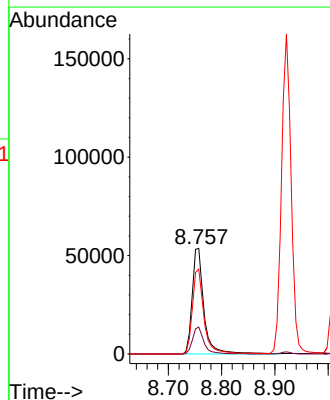
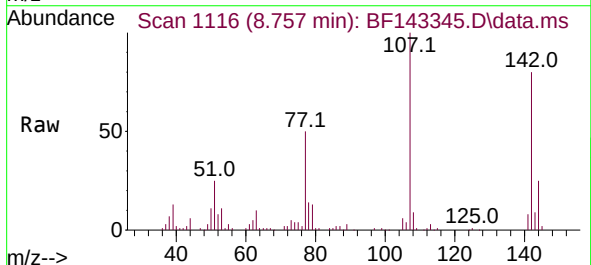
RT: 8.757 min Scan# 1116

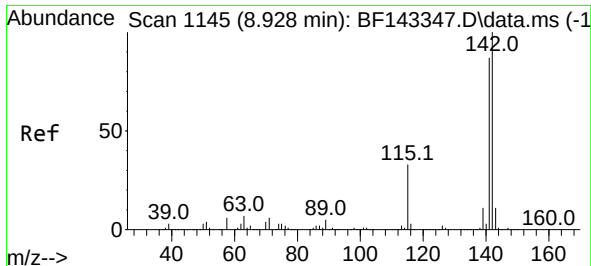
Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

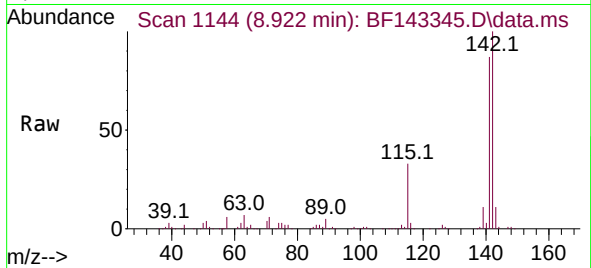
Tgt Ion:	107	Resp:	82681
Ion Ratio	Lower	Upper	
107	100		
144	25.4	20.0	30.0
142	80.4	61.3	91.9





#37
2-Methylnaphthalene
Concen: 10.641 ng
RT: 8.922 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

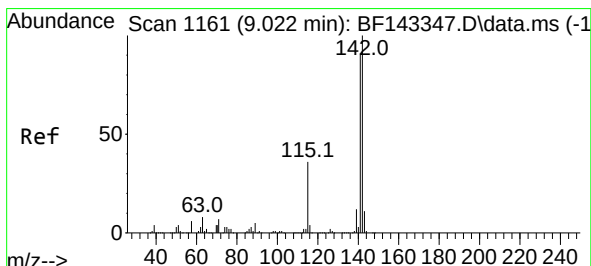
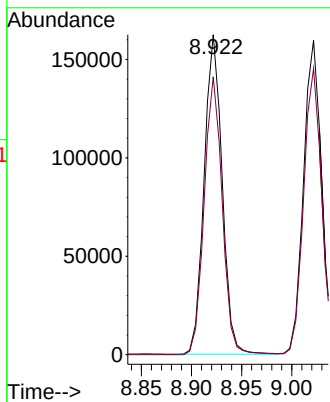
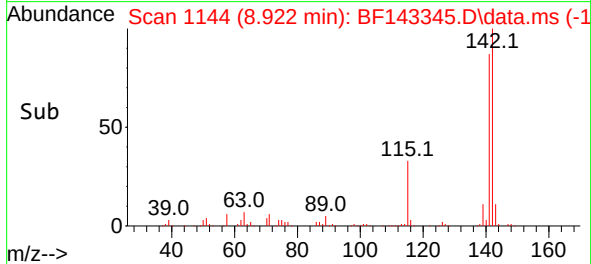
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:142 Resp: 20320
Ion Ratio Lower Upper
142 100
141 86.9 69.8 104.8

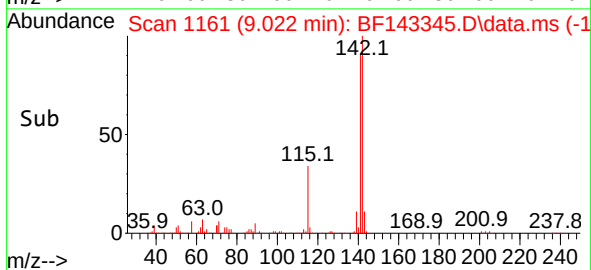
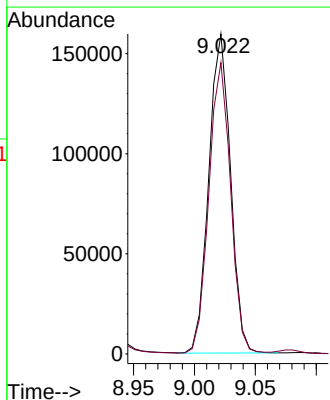
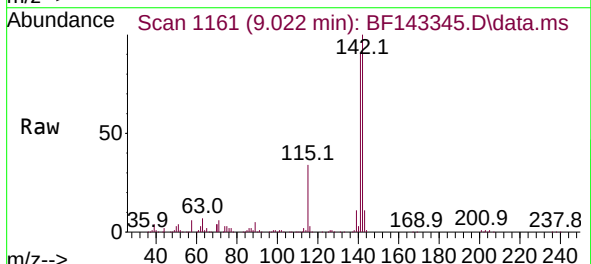
Manual Integrations
APPROVED

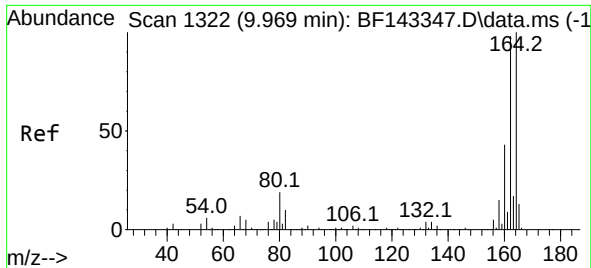
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#38
1-Methylnaphthalene
Concen: 10.738 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

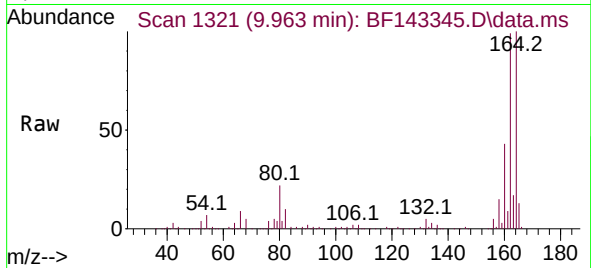
Tgt Ion:142 Resp: 197497
Ion Ratio Lower Upper
142 100
141 91.0 73.0 109.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

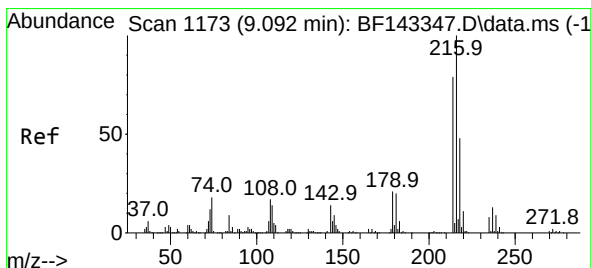
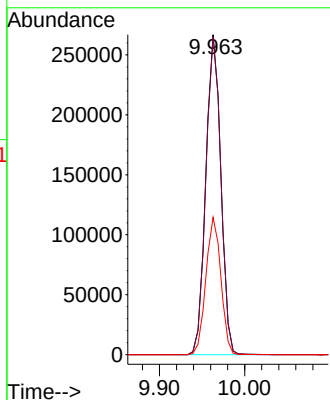
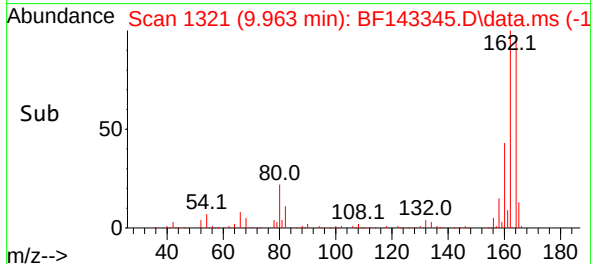
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



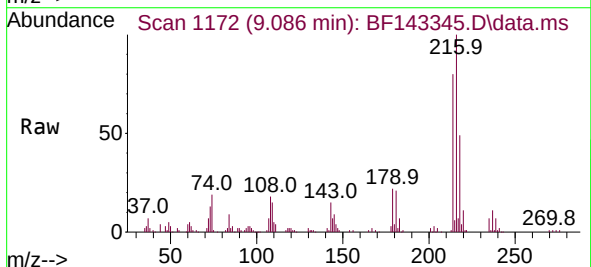
Tgt Ion:164 Resp: 32630
Ion Ratio Lower Upper
164 100
162 99.3 78.6 118.0
160 42.9 34.4 51.6

Manual Integrations
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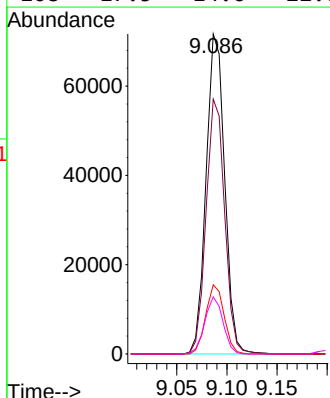
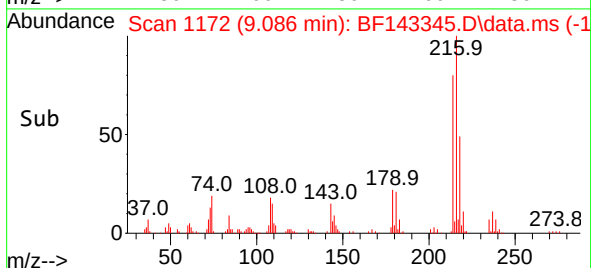
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

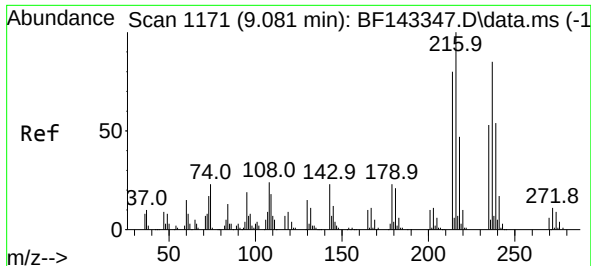


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.338 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



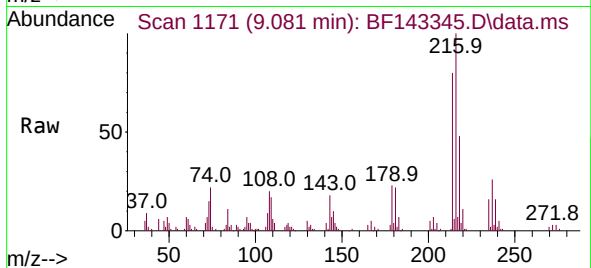
Tgt Ion:216 Resp: 92307
Ion Ratio Lower Upper
216 100
214 79.7 63.0 94.4
179 21.3 17.0 25.4
108 17.5 14.6 22.0





#41
Hexachlorocyclopentadiene
Concen: 10.801 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

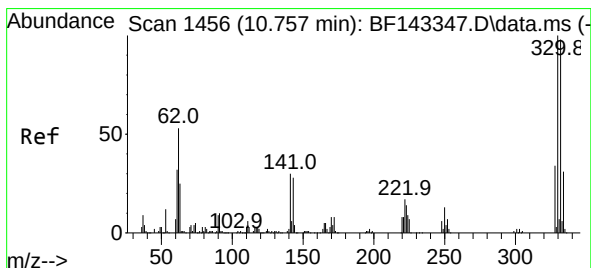
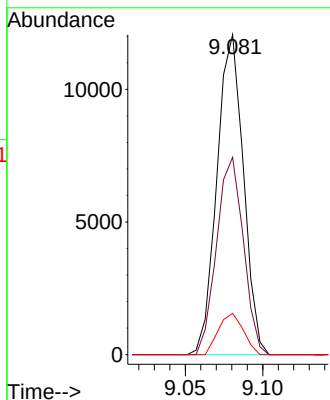
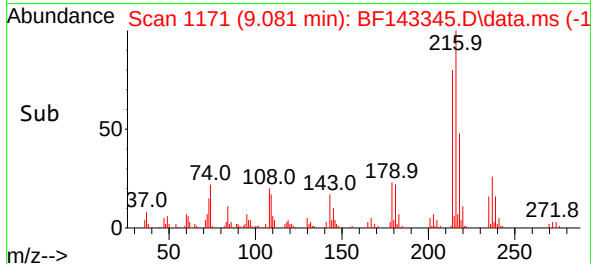
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



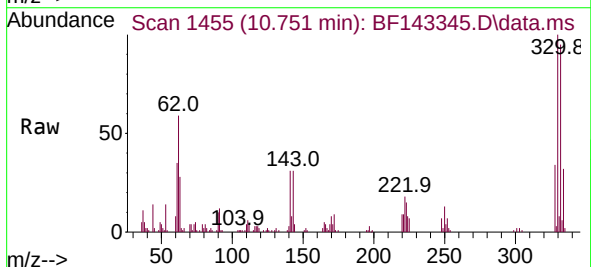
Tgt Ion: 237 Resp: 1434
Ion Ratio Lower Upper
237 100
235 61.7 42.0 82.0
272 12.9 0.0 32.6

Manual Integrations
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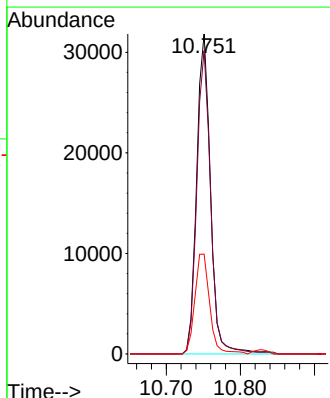
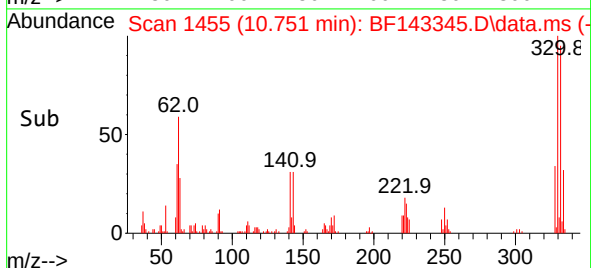
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

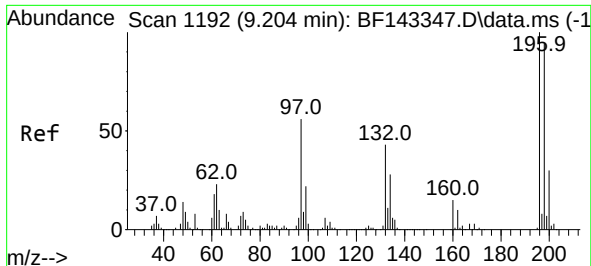


#42
2,4,6-Tribromophenol
Concen: 17.317 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion: 330 Resp: 41296
Ion Ratio Lower Upper
330 100
332 94.7 78.1 117.1
141 33.4 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 8.769 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF143345.D

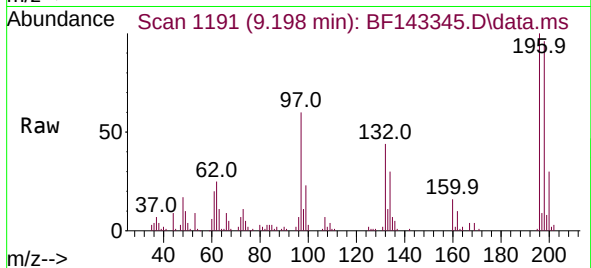
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 44424

Ion Ratio Lower Upper

196 100

198 96.0 75.4 113.0

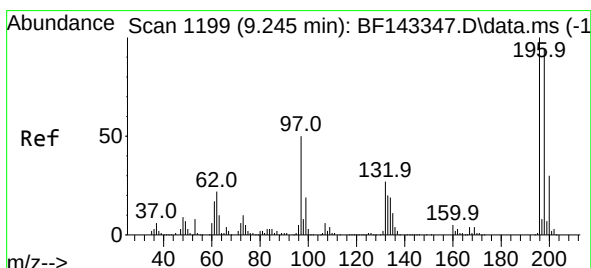
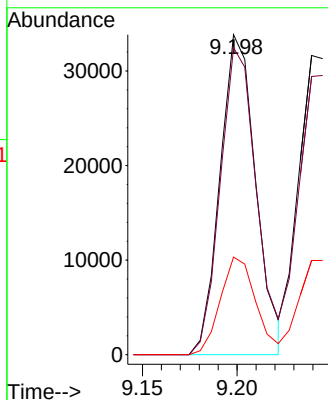
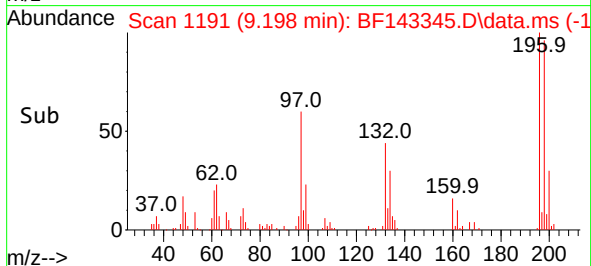
200 30.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#44

2,4,5-Trichlorophenol

Concen: 8.786 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:196 Resp: 50263

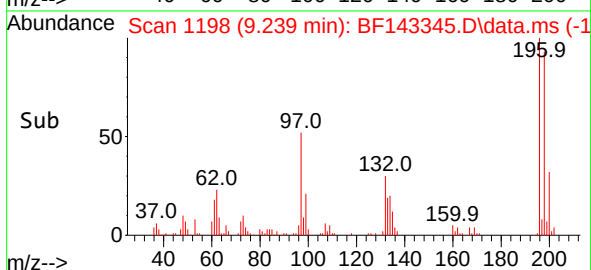
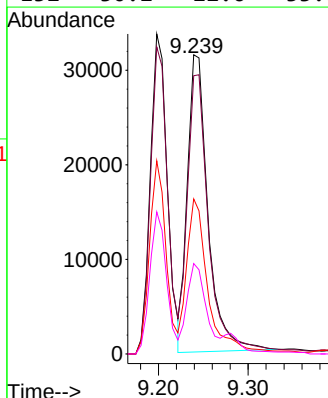
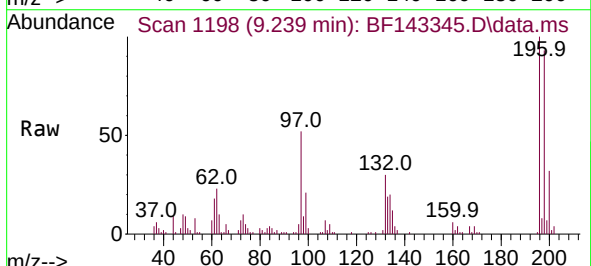
Ion Ratio Lower Upper

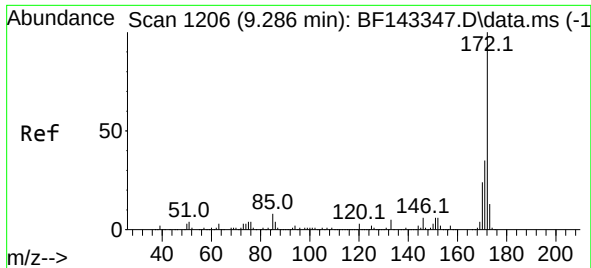
196 100

198 93.0 75.4 113.2

97 51.8 39.9 59.9

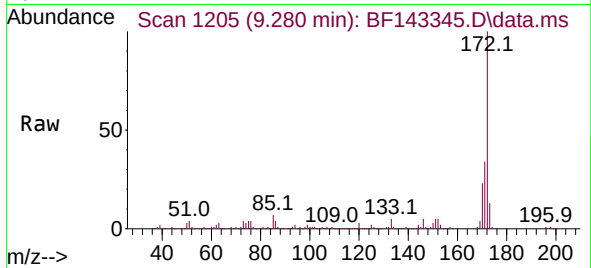
132 30.2 22.6 33.8





#45
2-Fluorobiphenyl
Concen: 22.583 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

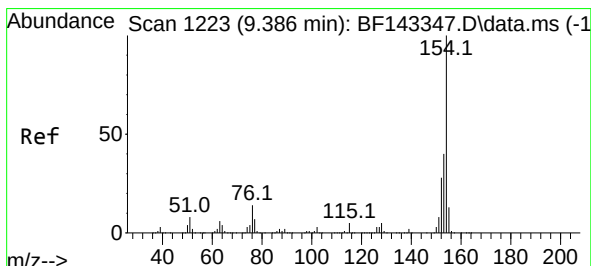
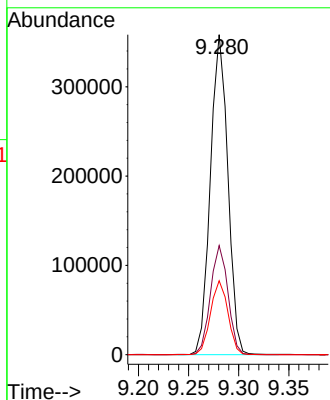
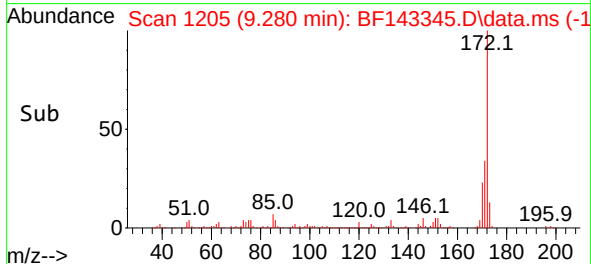
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



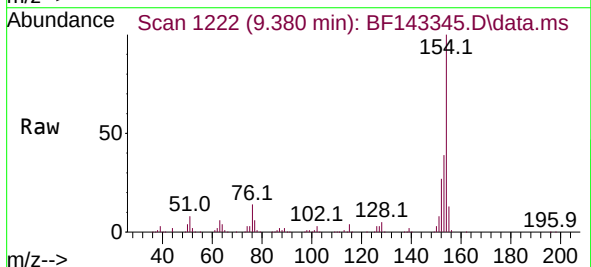
Tgt Ion:172 Resp: 434554
Ion Ratio Lower Upper
172 100
171 34.1 28.4 42.6
170 23.1 19.1 28.7

Manual Integrations
APPROVED

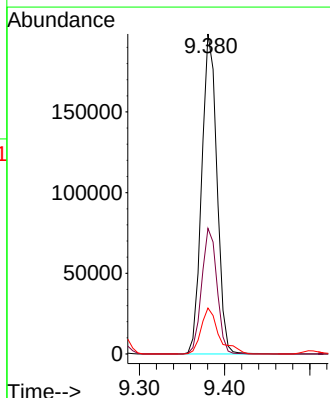
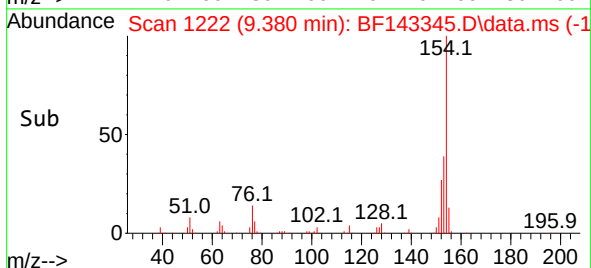
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

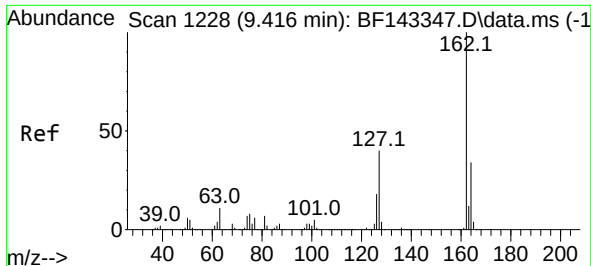


#46
1,1'-Biphenyl
Concen: 10.647 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:154 Resp: 245641
Ion Ratio Lower Upper
154 100
153 39.3 20.2 60.2
76 14.4 0.0 34.4





#47

2-Chloronaphthalene

Concen: 10.556 ng

RT: 9.410 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

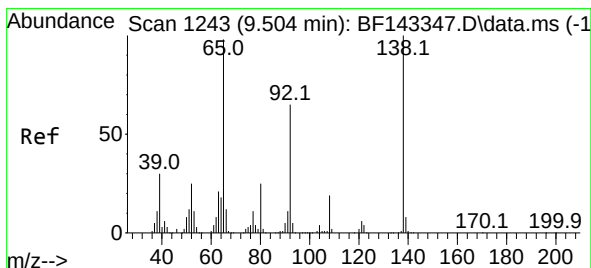
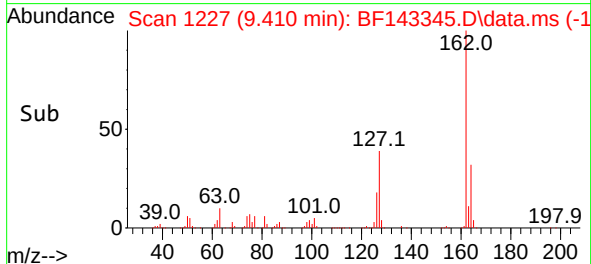
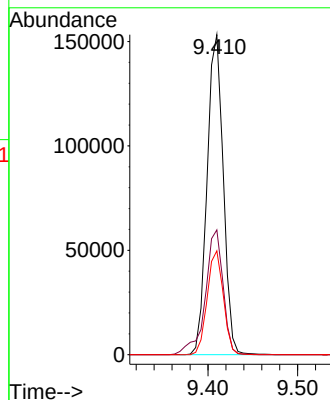
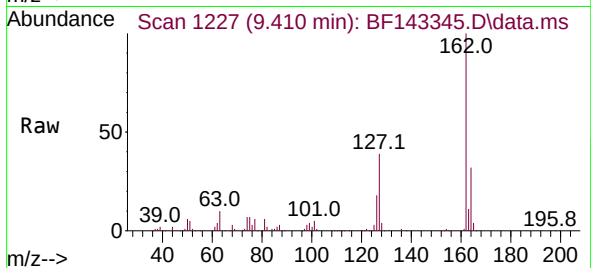
Tgt Ion:	162	Resp:	191809
Ion Ratio	Lower	Upper	
162	100		
127	39.0	32.1	48.1
164	32.5	27.0	40.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#48

2-Nitroaniline

Concen: 9.319 ng

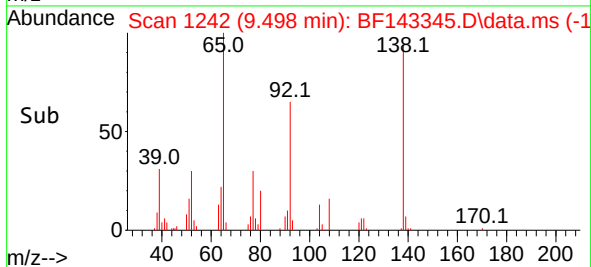
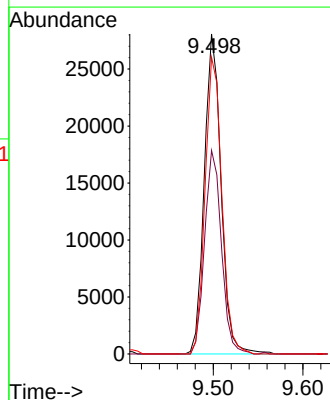
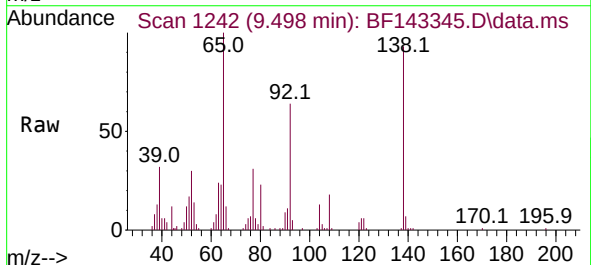
RT: 9.498 min Scan# 1242

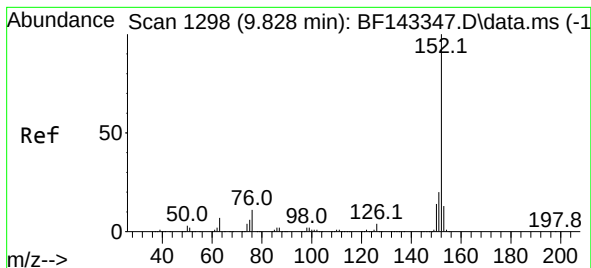
Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:	65	Resp:	36444
Ion Ratio	Lower	Upper	
65	100		
92	63.6	53.1	79.7
138	92.7	81.4	122.0





#49

Acenaphthylene

Concen: 10.459 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

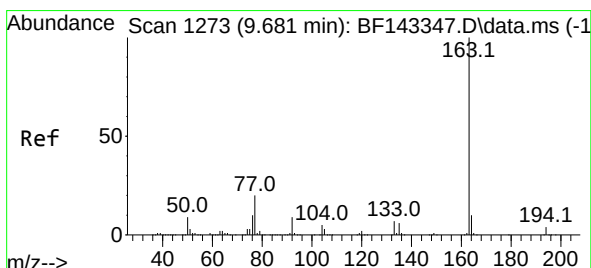
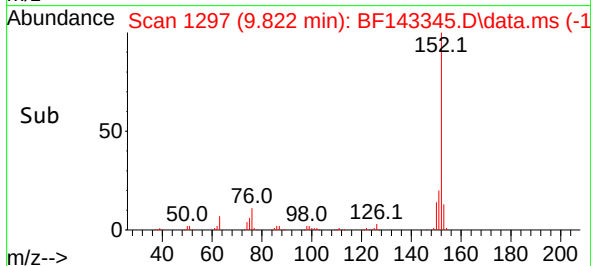
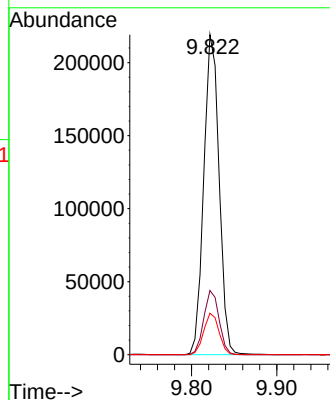
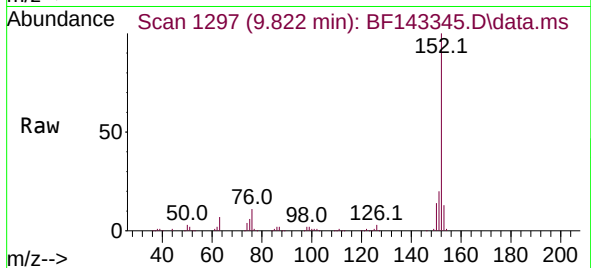
Tgt Ion:152 Resp: 27444

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.0	10.6	16.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#50

Dimethylphthalate

Concen: 10.081 ng

RT: 9.675 min Scan# 1272

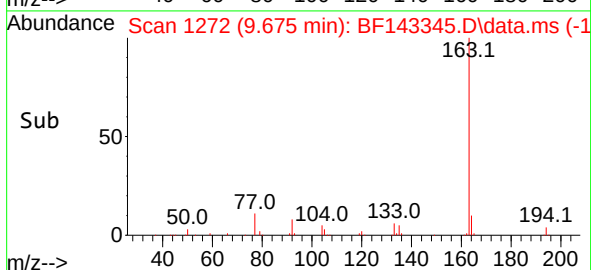
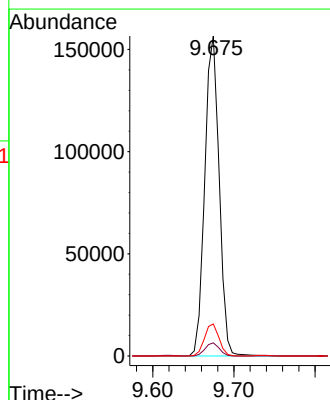
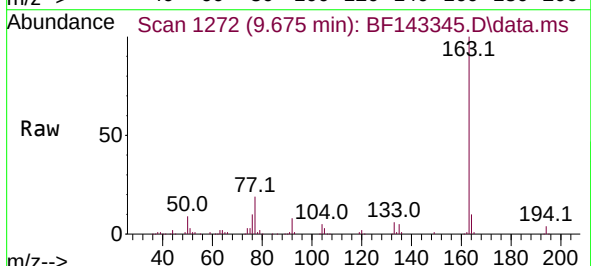
Delta R.T. -0.006 min

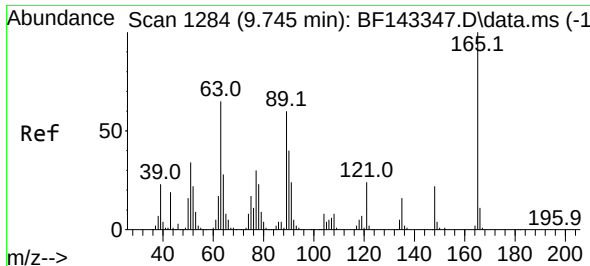
Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:163 Resp: 192210

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.2	12.2





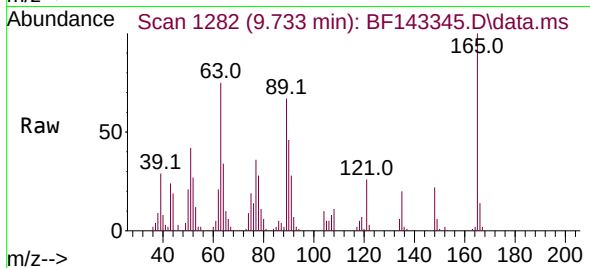
#51
2,6-Dinitrotoluene
Concen: 9.205 ng
RT: 9.733 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



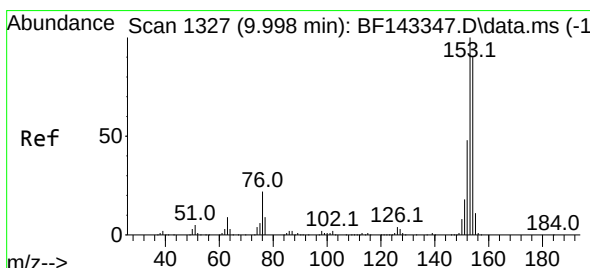
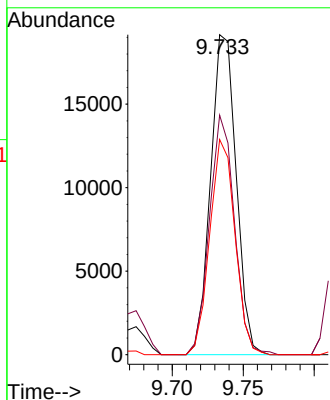
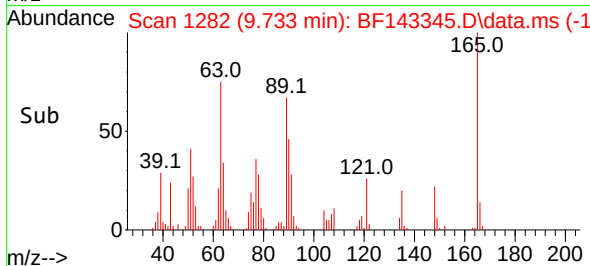
Tgt Ion:165 Resp: 2400
Ion Ratio Lower Upper
165 100
63 74.8 51.6 77.4
89 67.3 47.7 71.5

Manual Integrations

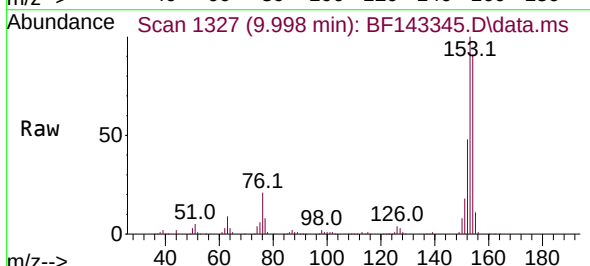
APPROVED

Reviewed By :Rahul Chavli 08/13/2025

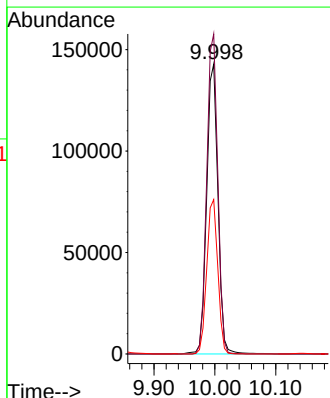
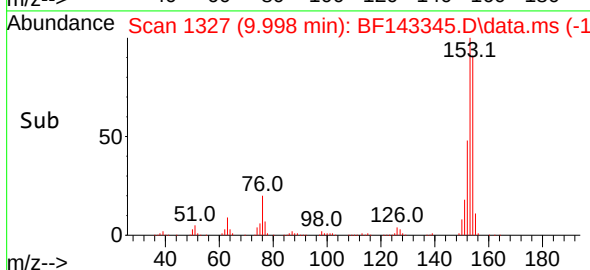
Supervised By :Jagrut Upadhyay 08/13/2025

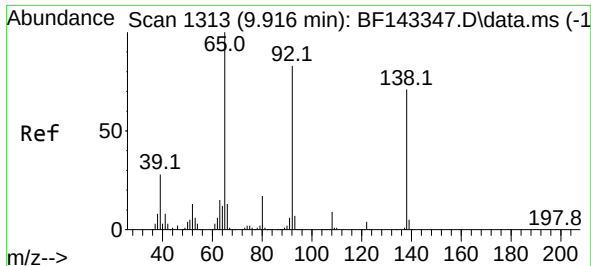


#52
Acenaphthene
Concen: 10.543 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:154 Resp: 183915
Ion Ratio Lower Upper
154 100
153 110.3 88.5 132.7
152 53.3 42.4 63.6





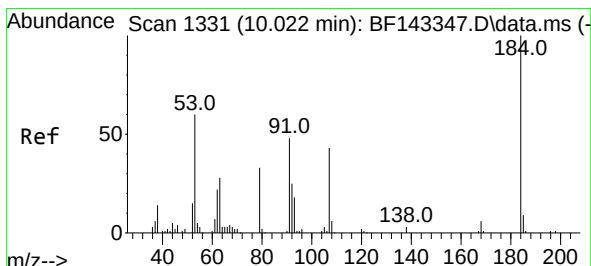
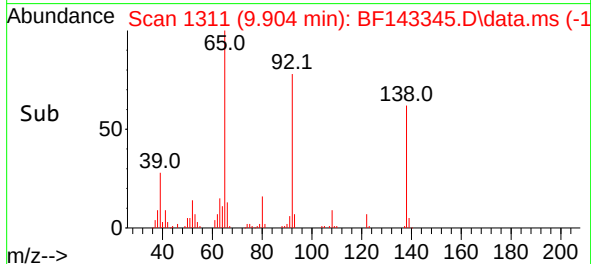
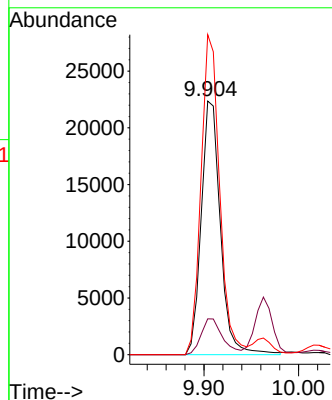
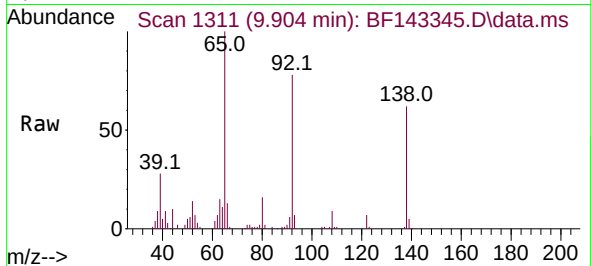
#53
3-Nitroaniline
Concen: 8.069 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 3150
Ion Ratio Lower Upper
138 100
108 14.1 9.6 14.4
92 126.2 93.4 140.2

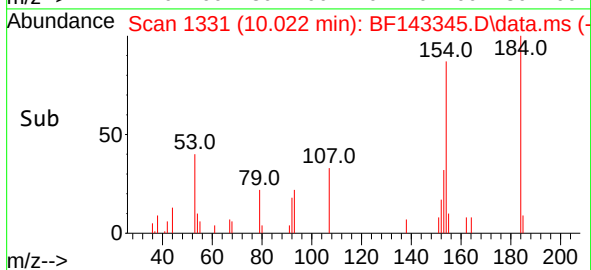
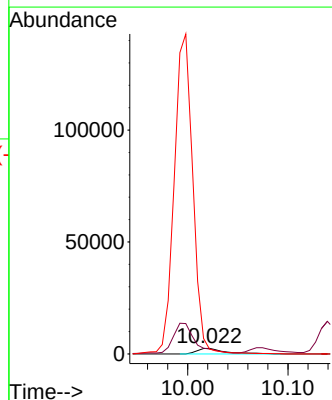
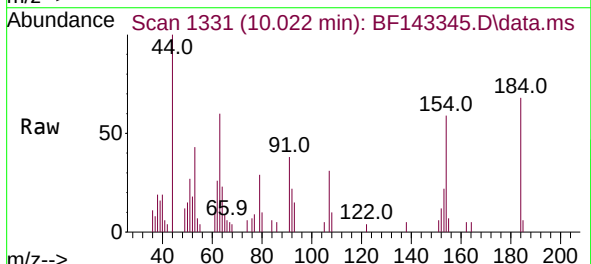
Manual Integrations
APPROVED

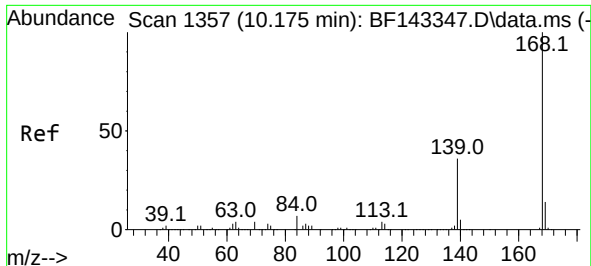
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#54
2,4-Dinitrophenol
Concen: 10.356 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

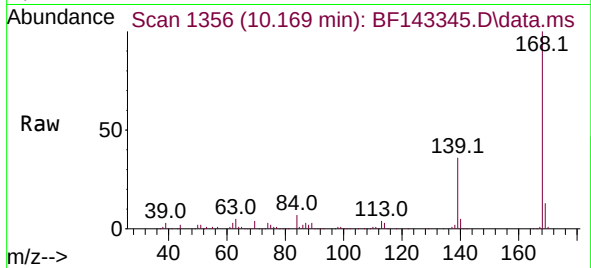
Tgt Ion:184 Resp: 4834
Ion Ratio Lower Upper
184 100
63 88.5 62.5 93.7
154 87.3 73.0 109.4





#55
Dibenzenofuran
Concen: 10.660 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

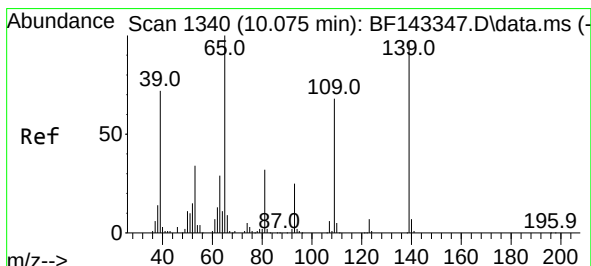
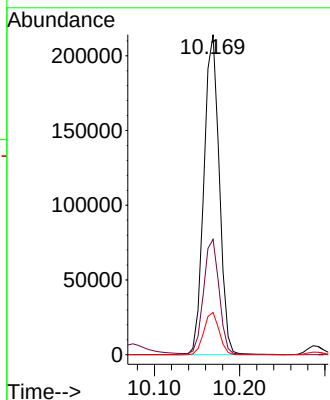
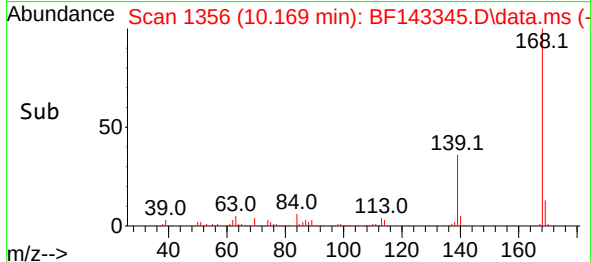
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



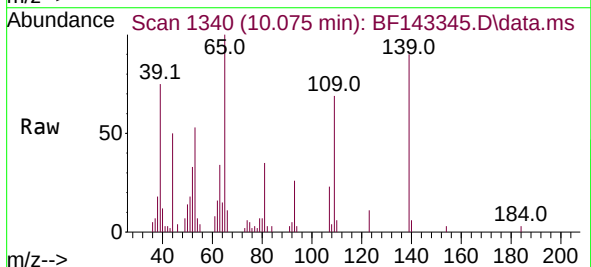
Tgt Ion:168 Resp: 26765
Ion Ratio Lower Upper
168 100
139 36.0 29.4 44.0
169 13.2 11.0 16.6

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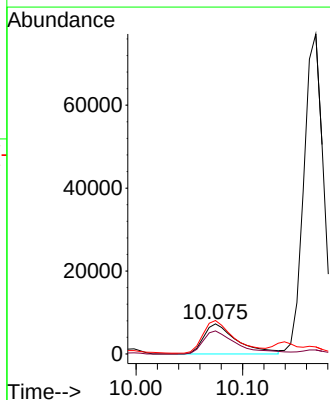
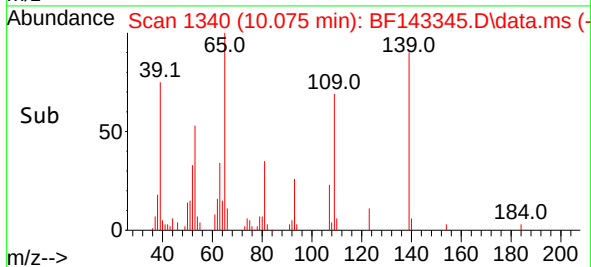
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

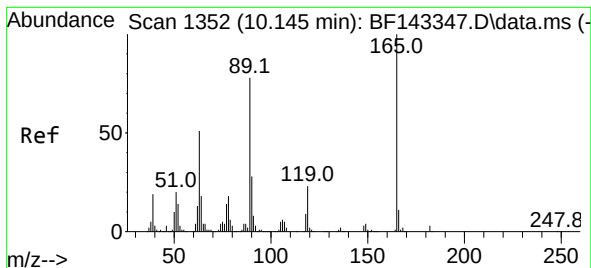


#56
4-Nitrophenol
Concen: 10.166 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



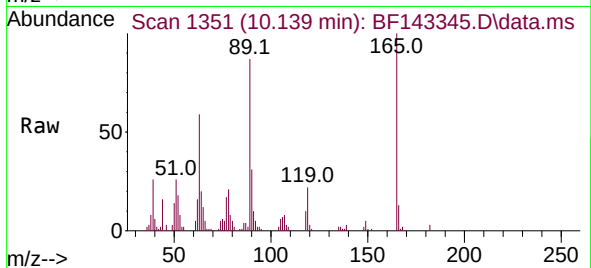
Tgt Ion:139 Resp: 15708
Ion Ratio Lower Upper
139 100
109 76.4 49.4 89.4
65 111.1 83.7 123.7





#57
2,4-Dinitrotoluene
Concen: 9.126 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

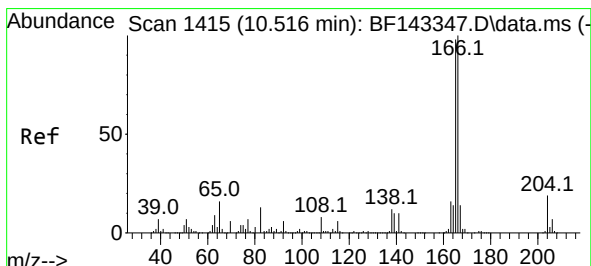
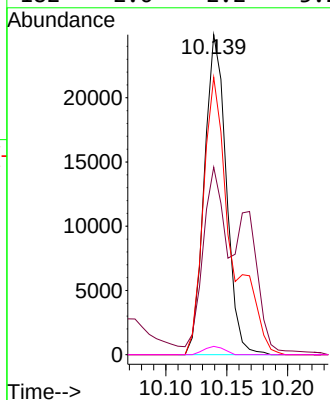
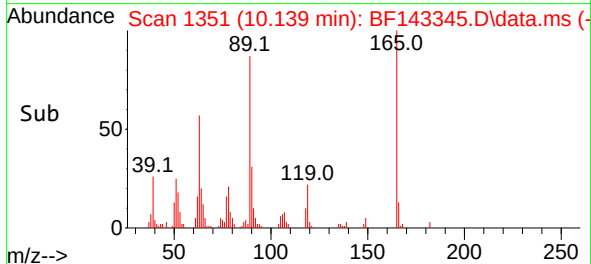
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



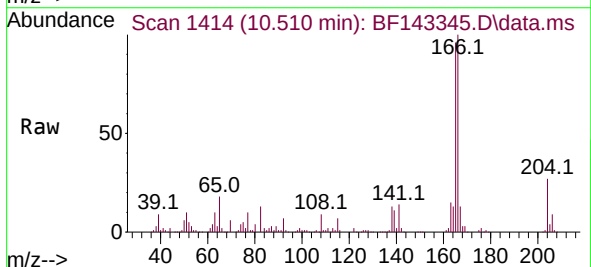
Tgt Ion:165 Resp: 31220
Ion Ratio Lower Upper
165 100
63 58.6 41.8 62.8
89 86.7 62.4 93.6
182 2.6 2.2 3.2

Manual Integrations
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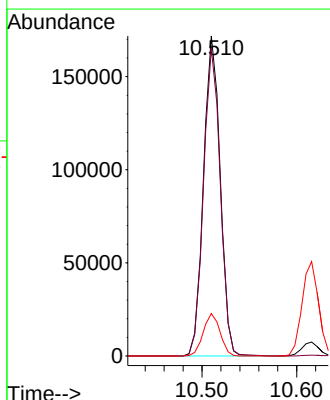
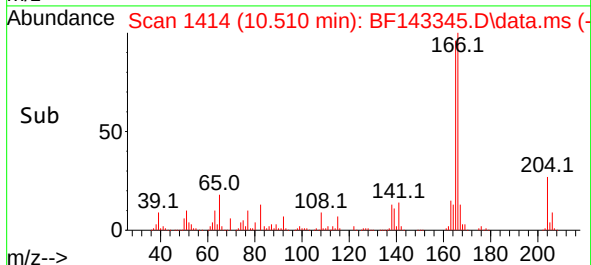
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

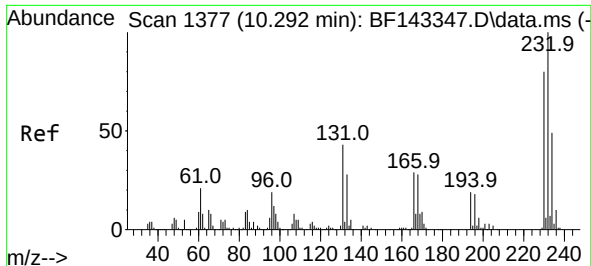


#58
Fluorene
Concen: 10.959 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



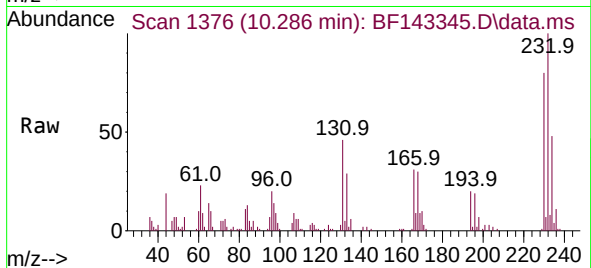
Tgt Ion:166 Resp: 210161
Ion Ratio Lower Upper
166 100
165 96.1 78.2 117.4
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.955 ng
RT: 10.286 min Scan# 1376
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

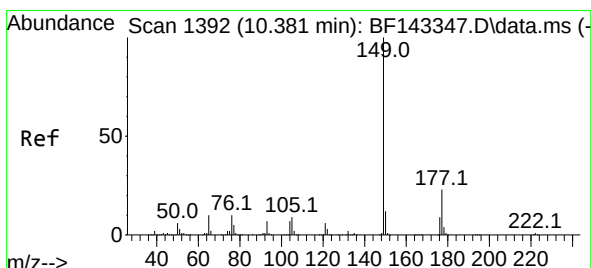
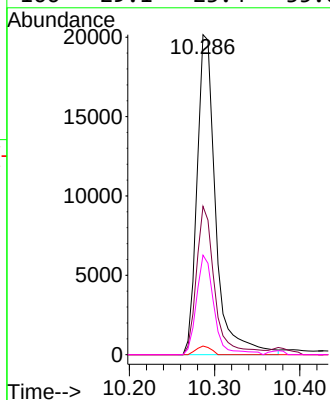
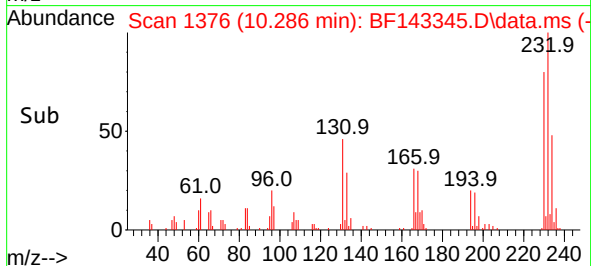
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



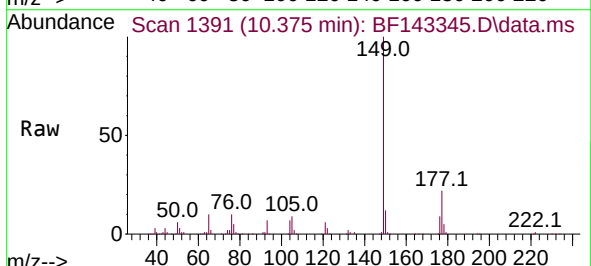
Tgt Ion:232 Resp: 3068
Ion Ratio Lower Upper
232 100
131 45.6 34.6 51.8
130 2.1 1.7 2.5
166 29.1 23.4 35.0

Manual Integrations
APPROVED

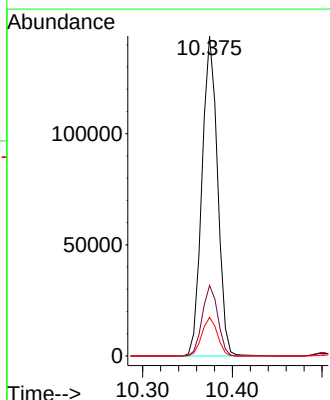
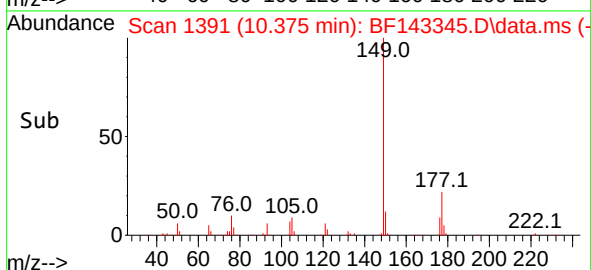
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

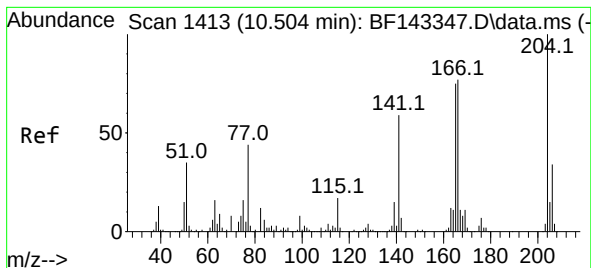


#60
Diethylphthalate
Concen: 10.137 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



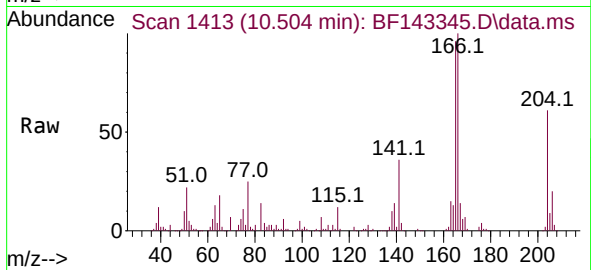
Tgt Ion:149 Resp: 173119
Ion Ratio Lower Upper
149 100
177 22.0 18.2 27.2
150 12.0 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 10.575 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

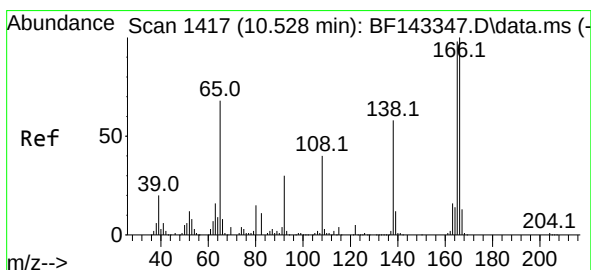
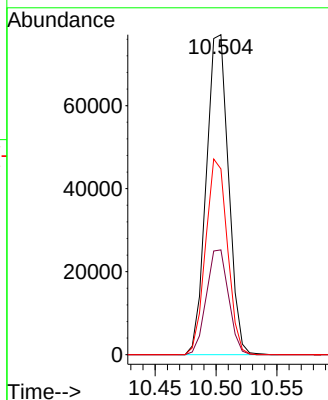
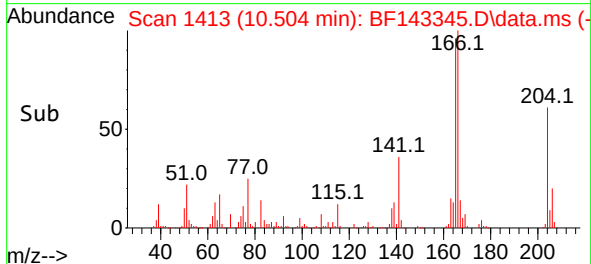
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



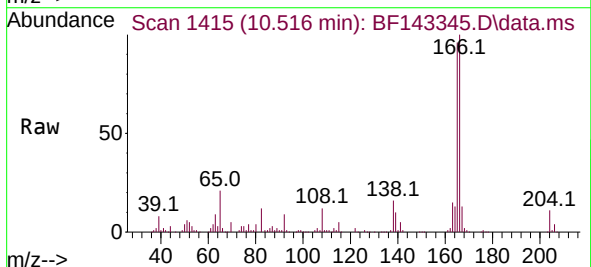
Tgt Ion:204 Resp: 97989
Ion Ratio Lower Upper
204 100
206 32.7 27.4 41.2
141 58.0 46.9 70.3

Manual Integrations
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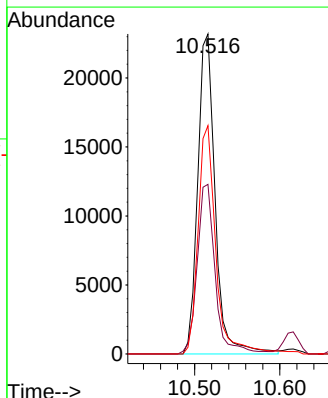
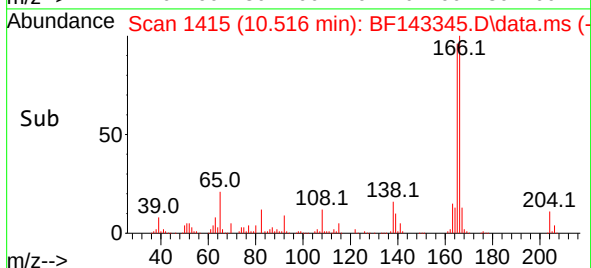
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

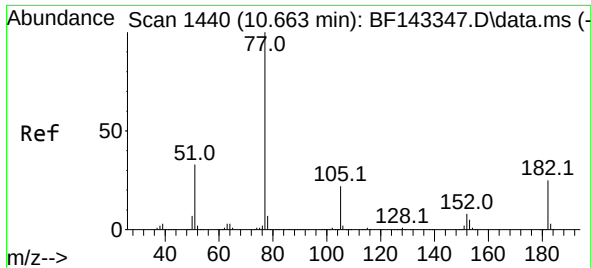


#62
4-Nitroaniline
Concen: 8.714 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



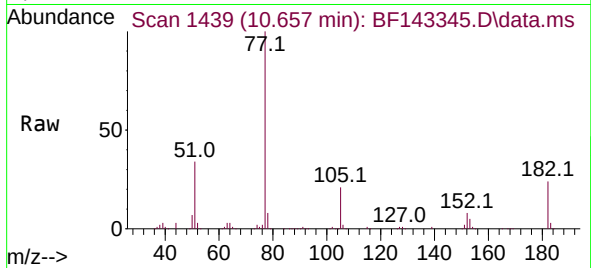
Tgt Ion:138 Resp: 32919
Ion Ratio Lower Upper
138 100
92 53.0 31.2 71.2
108 71.4 48.1 88.1





#63
Azobenzene
Concen: 10.272 ng
RT: 10.657 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

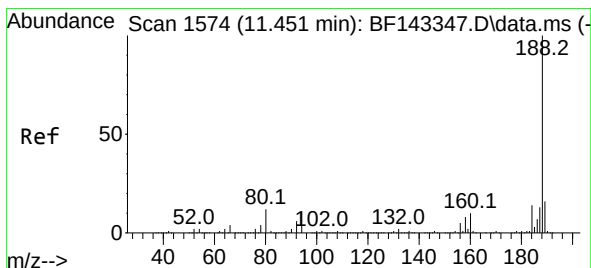
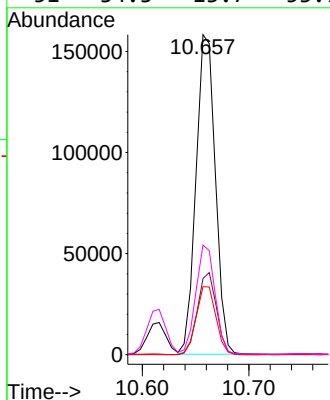
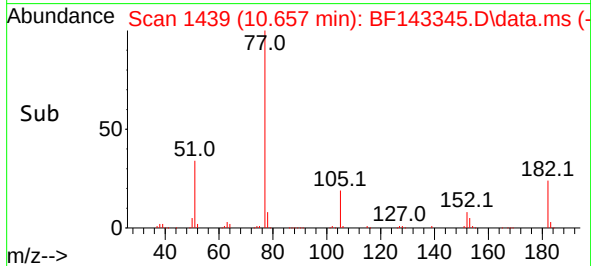
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



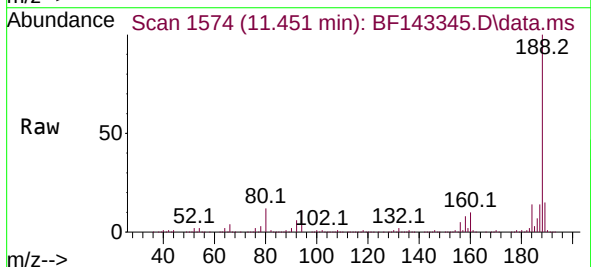
Tgt Ion: 77 Resp: 20036
Ion Ratio Lower Upper
77 100
182 23.8 4.4 44.4
105 21.3 1.8 41.8
51 34.3 13.7 53.7

Manual Integrations
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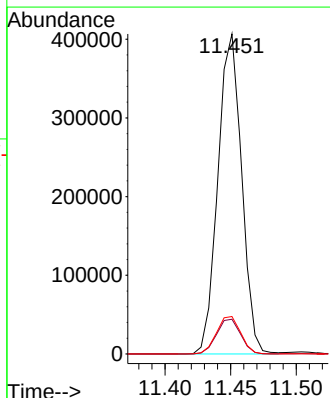
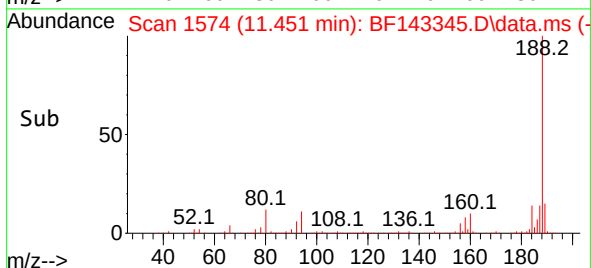
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

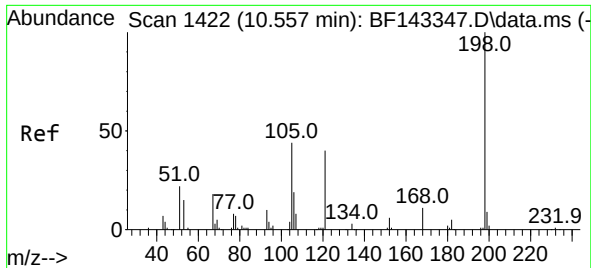


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:188 Resp: 511556
Ion Ratio Lower Upper
188 100
94 10.8 8.8 13.2
80 11.7 9.7 14.5





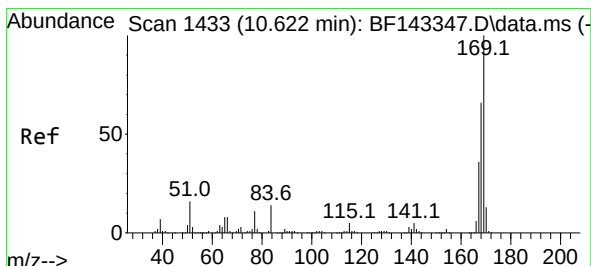
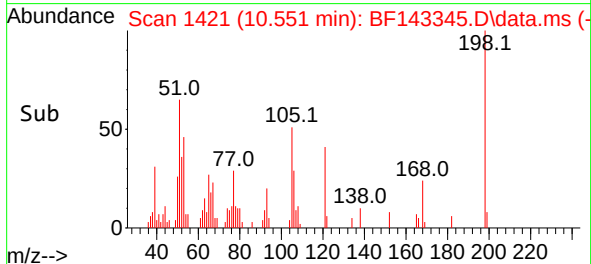
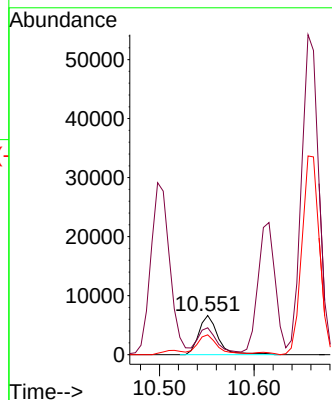
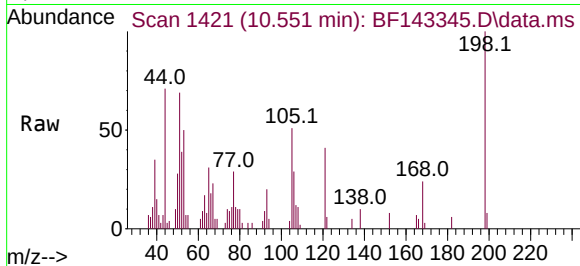
#65
4,6-Dinitro-2-methylphenol
Concen: 11.085 ng
RT: 10.551 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 932
Ion Ratio Lower Upper
198 100
51 68.6 41.7 81.7
105 50.8 26.8 66.8

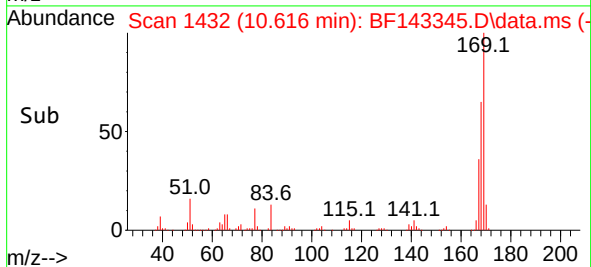
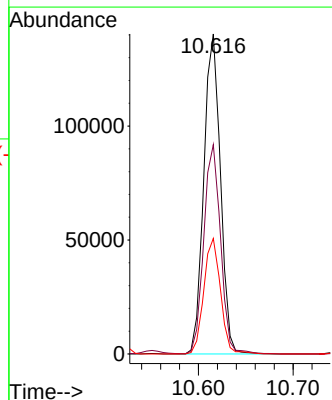
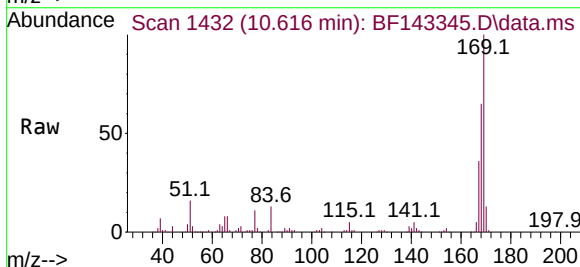
Manual Integrations
APPROVED

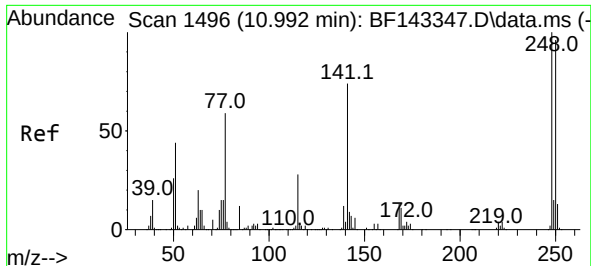
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#66
n-Nitrosodiphenylamine
Concen: 10.169 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

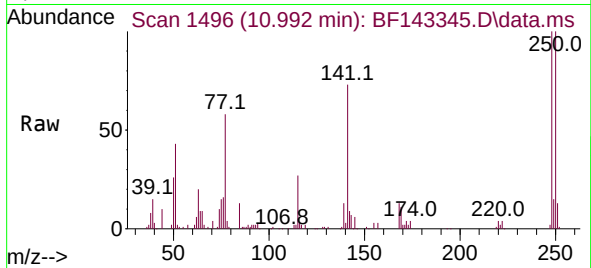
Tgt Ion:169 Resp: 171289
Ion Ratio Lower Upper
169 100
168 65.4 52.7 79.1
167 36.1 28.6 42.8





#67
4-Bromophenyl-phenylether
Concen: 9.712 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

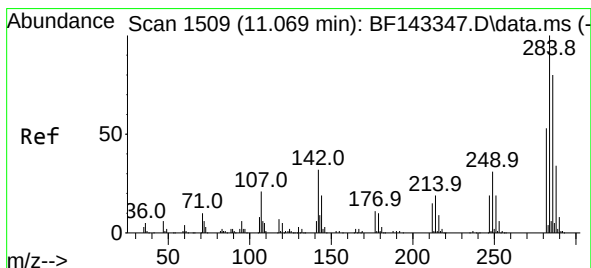
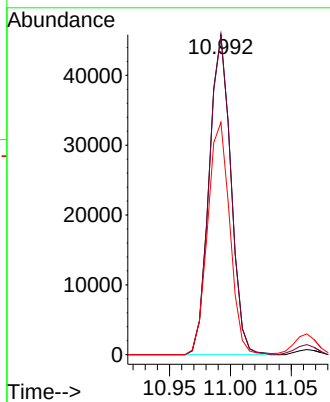
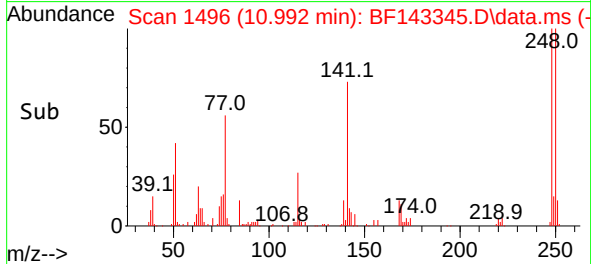
Instrument :
BNA_F
ClientSampleId :
SSTDIC010



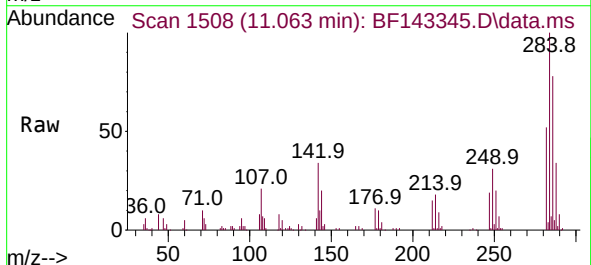
Tgt Ion:248 Resp: 56818
Ion Ratio Lower Upper
248 100
250 99.7 77.1 115.7
141 72.6 59.1 88.7

Manual Integrations
APPROVED

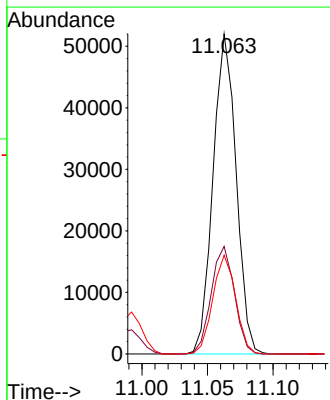
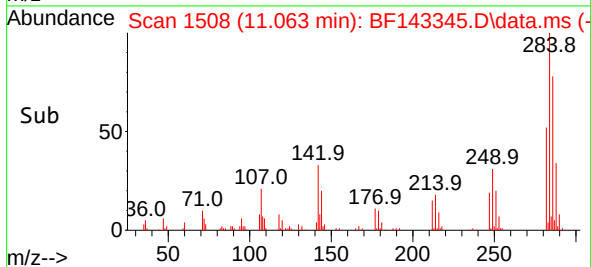
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

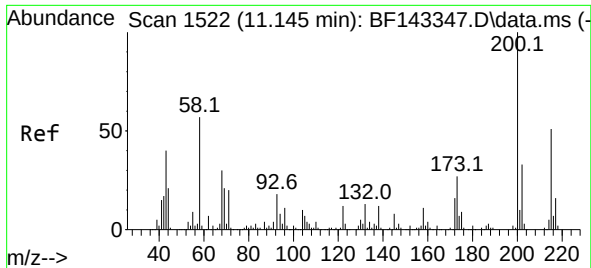


#68
Hexachlorobenzene
Concen: 10.091 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



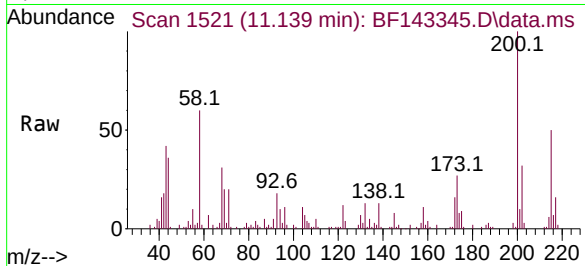
Tgt Ion:284 Resp: 63639
Ion Ratio Lower Upper
284 100
142 33.6 25.7 38.5
249 30.9 24.6 37.0





#69
 Atrazine
 Concen: 9.133 ng
 RT: 11.139 min Scan# 1521
 Delta R.T. -0.006 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

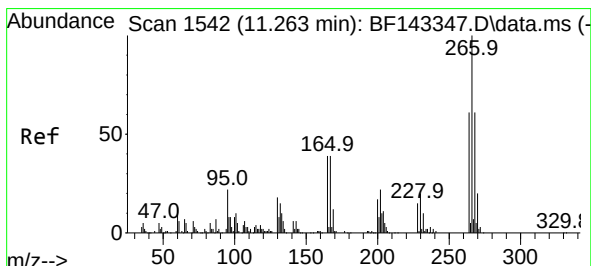
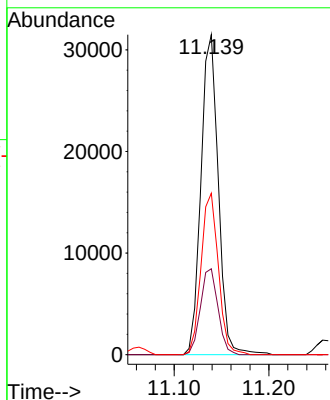
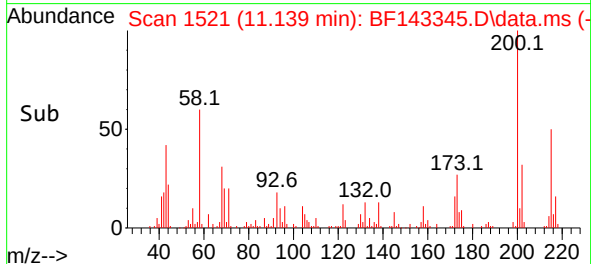
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010



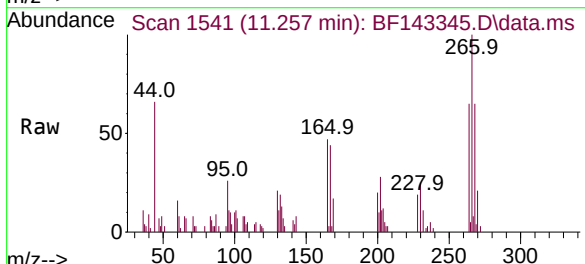
Tgt Ion:200 Resp: 40124
 Ion Ratio Lower Upper
 200 100
 173 26.8 6.6 46.6
 215 50.5 30.6 70.6

Manual Integrations
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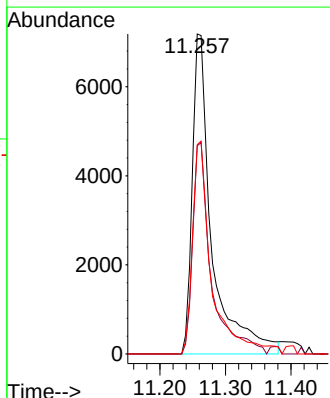
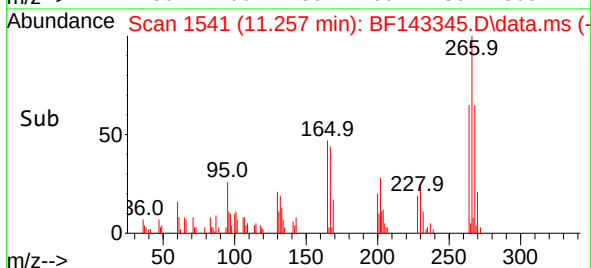
Reviewed By :Rahul Chavli 08/13/2025
 Supervised By :Jagrut Upadhyay 08/13/2025

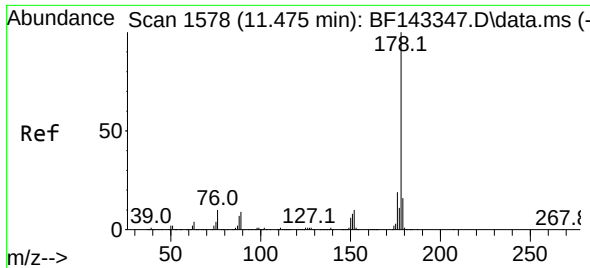


#70
 Pentachlorophenol
 Concen: 10.407 ng
 RT: 11.257 min Scan# 1541
 Delta R.T. -0.006 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04



Tgt Ion:266 Resp: 14951
 Ion Ratio Lower Upper
 266 100
 268 65.0 48.8 73.2
 264 65.4 48.8 73.2





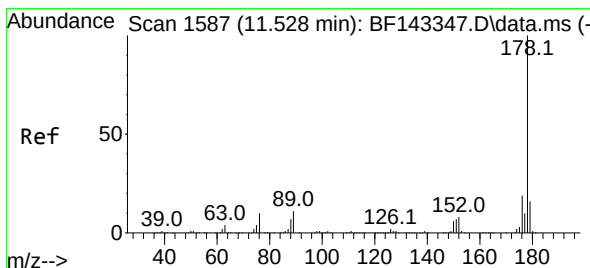
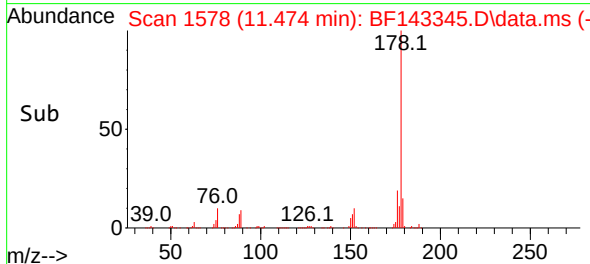
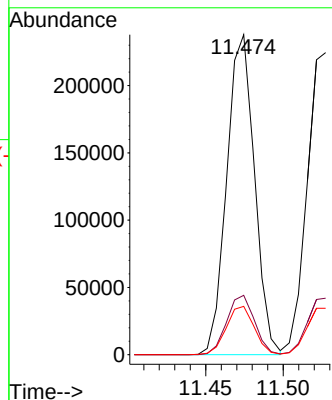
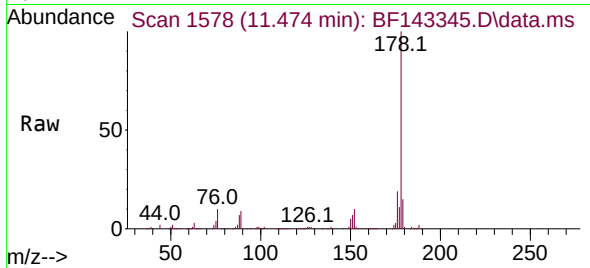
#71
Phenanthrene
Concen: 10.620 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 296410
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.1 12.5 18.7

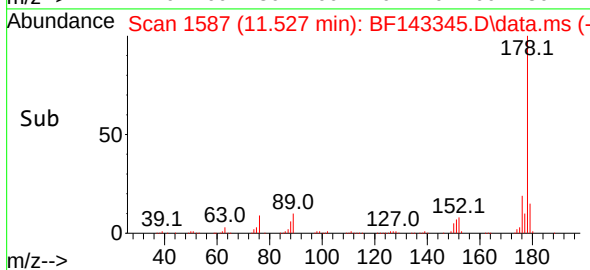
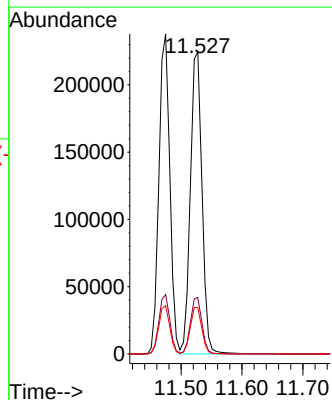
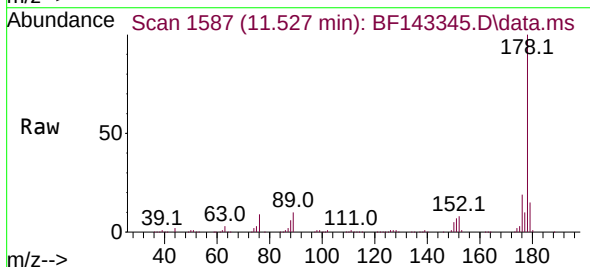
Manual Integrations
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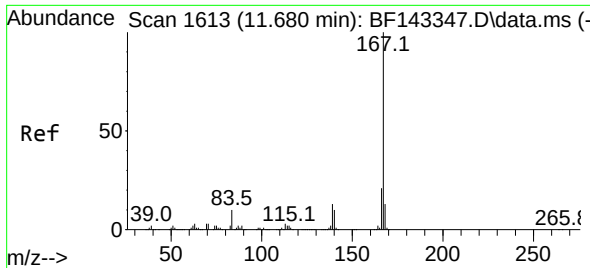
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#72
Anthracene
Concen: 10.559 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

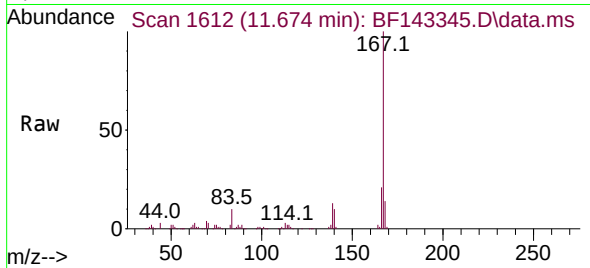
Tgt Ion:178 Resp: 298872
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.4 12.7 19.1





#73
Carbazole
Concen: 10.613 ng
RT: 11.674 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

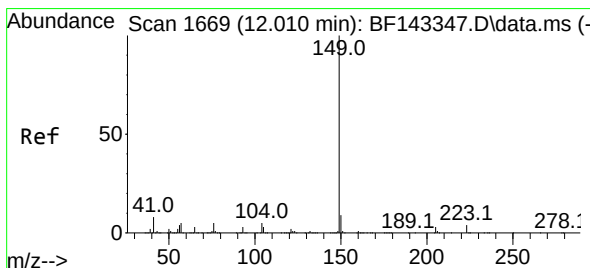
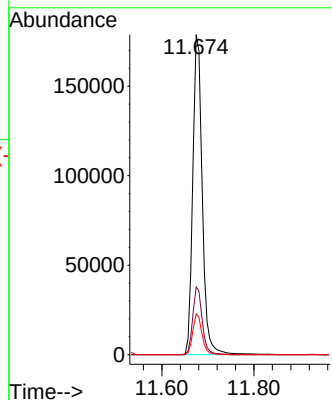
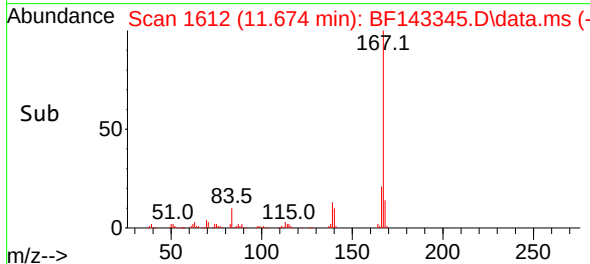
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



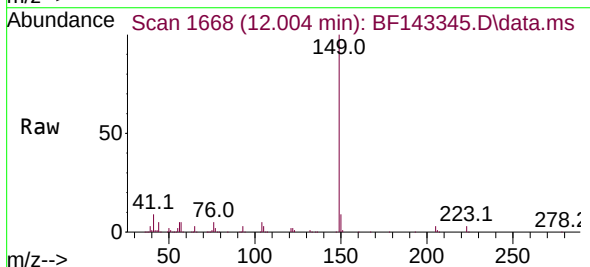
Tgt Ion:167 Resp: 25583
Ion Ratio Lower Upper
167 100
166 21.2 16.8 25.2
139 12.7 10.2 15.2

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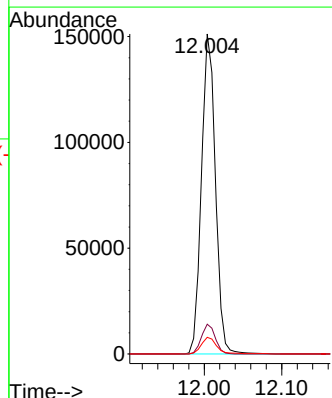
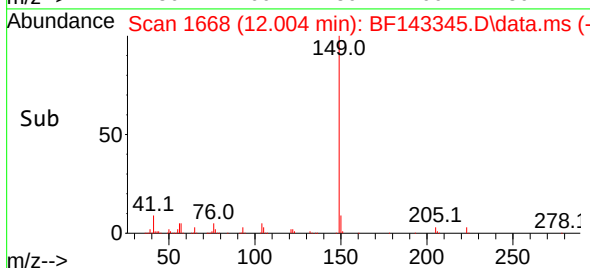
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

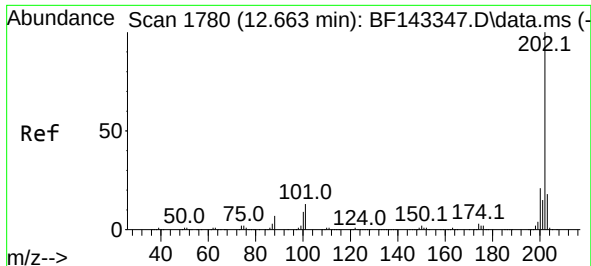


#74
Di-n-butylphthalate
Concen: 9.269 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



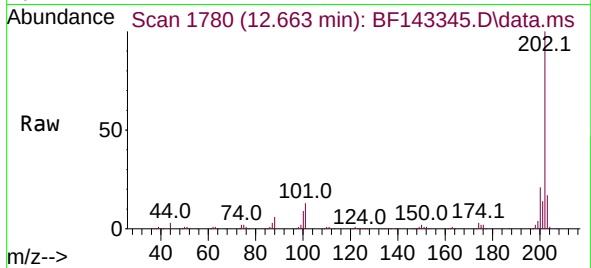
Tgt Ion:149 Resp: 189069
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.2 3.8 5.8





#75
Fluoranthene
Concen: 11.026 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

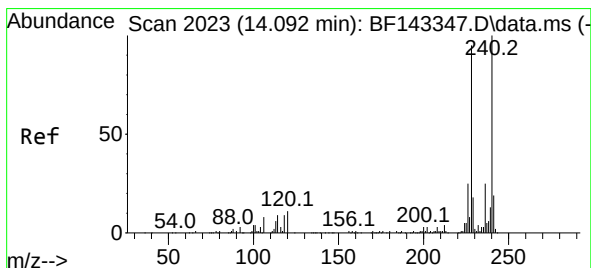
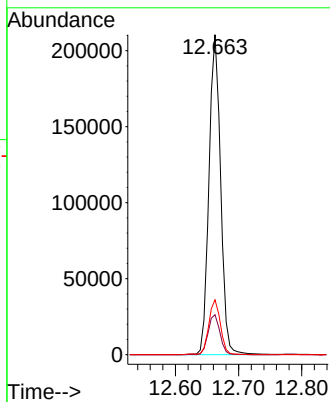
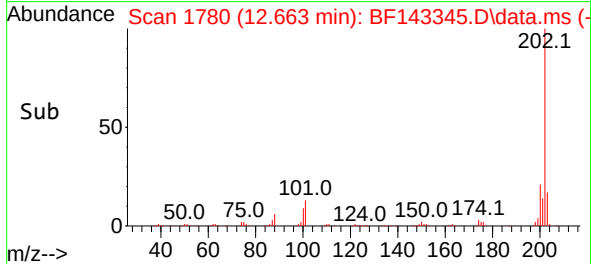
Instrument :
BNA_F
ClientSampleId :
SSTDIC010



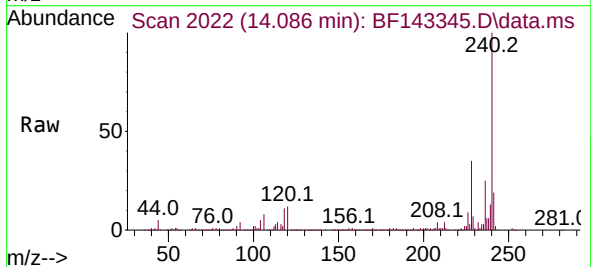
Tgt Ion:202 Resp: 26956
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 17.2 0.0 37.6

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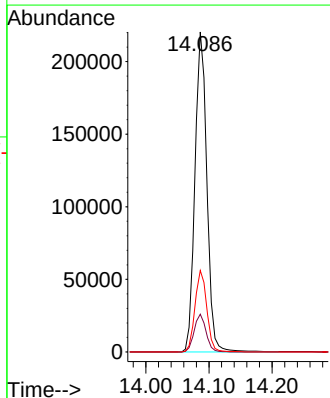
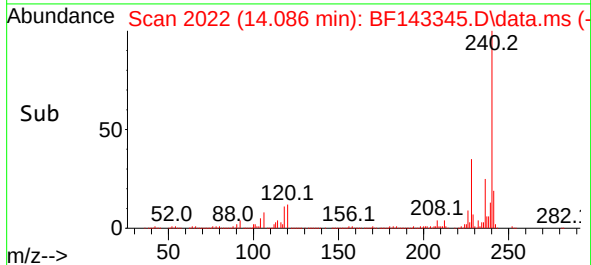
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

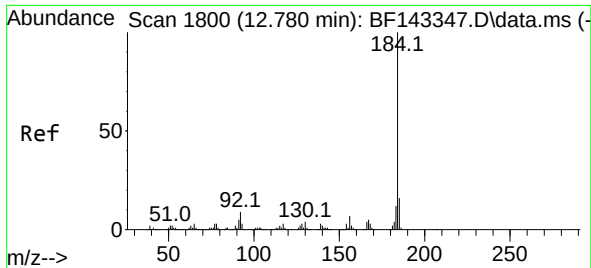


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



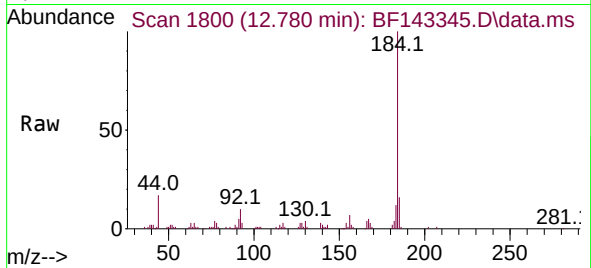
Tgt Ion:240 Resp: 288804
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.6
236 25.5 19.9 29.9





#77
Benzidine
Concen: 9.898 ng
RT: 12.780 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

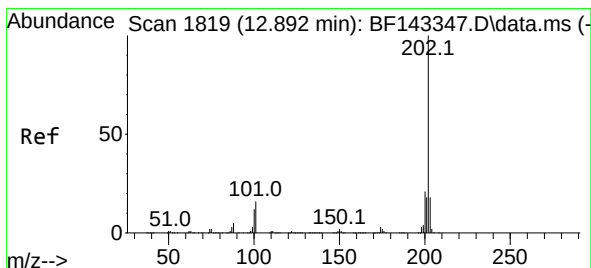
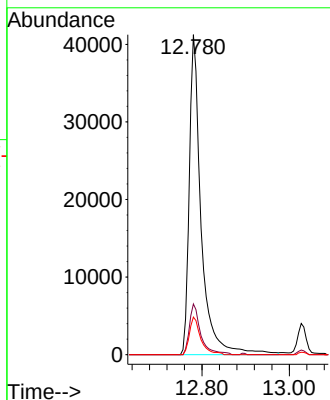
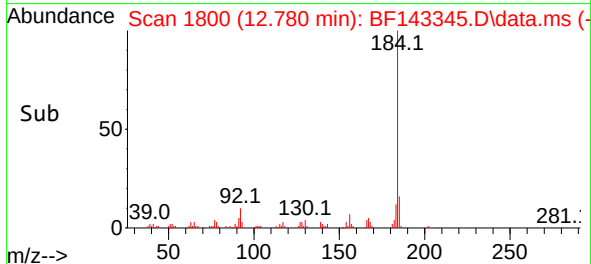
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



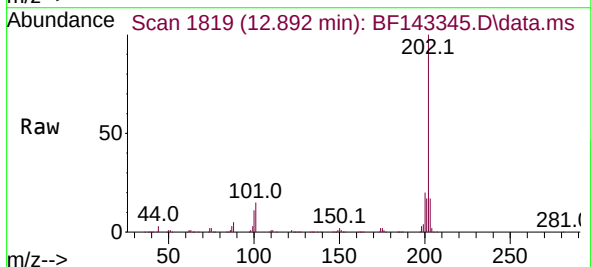
Tgt Ion:184 Resp: 78152
Ion Ratio Lower Upper
184 100
185 15.8 12.8 19.2
183 11.8 9.3 13.9

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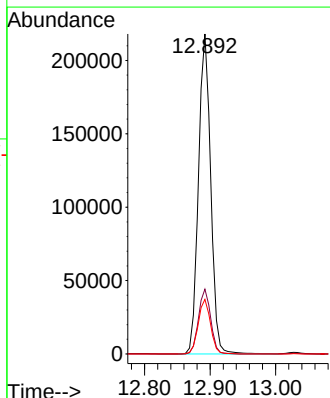
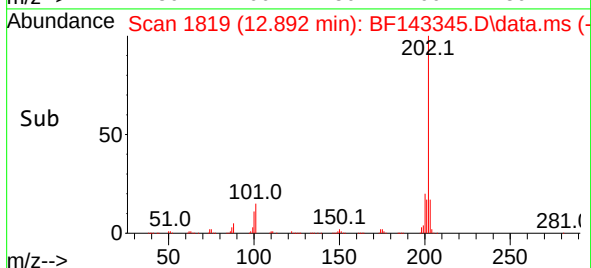
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

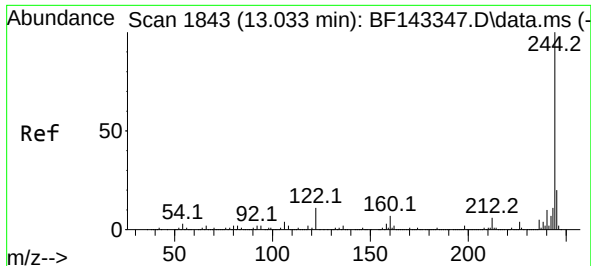


#78
Pyrene
Concen: 11.697 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:202 Resp: 283403
Ion Ratio Lower Upper
202 100
200 20.3 16.8 25.2
203 17.0 14.2 21.4





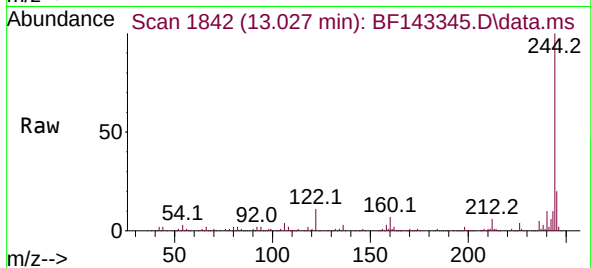
#79
 Terphenyl-d14
 Concen: 24.022 ng
 RT: 13.027 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



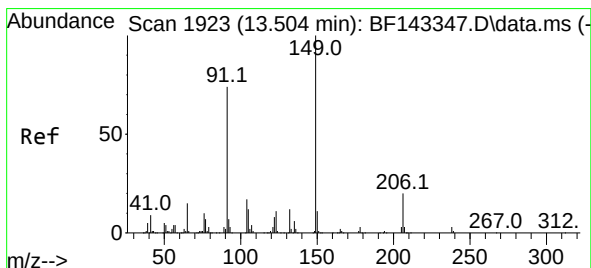
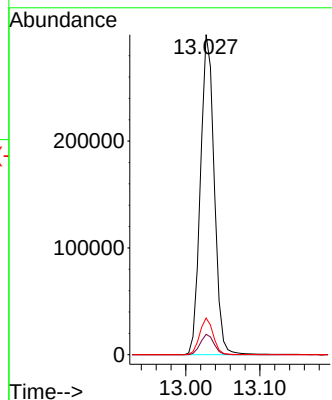
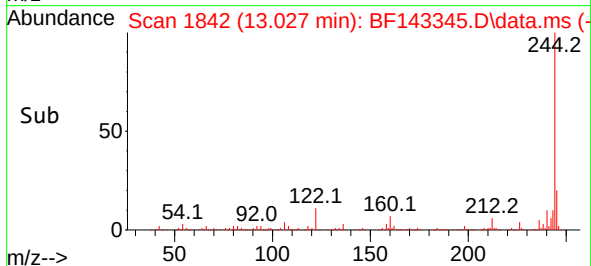
Tgt Ion:244 Resp: 388588
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.5 8.9 13.3

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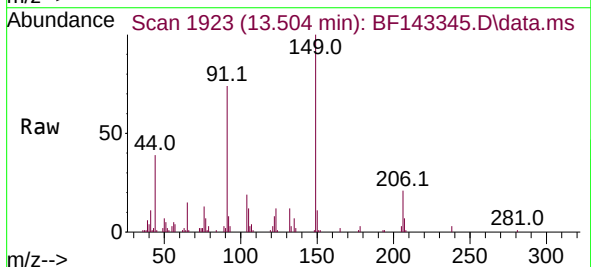
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Reviewed By :Rahul Chavli 08/13/2025

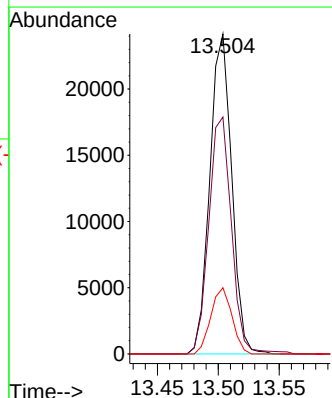
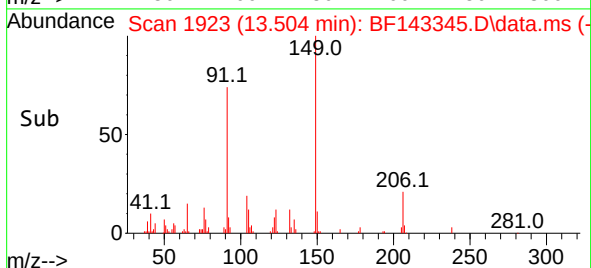
Supervised By :Jagrut Upadhyay 08/13/2025

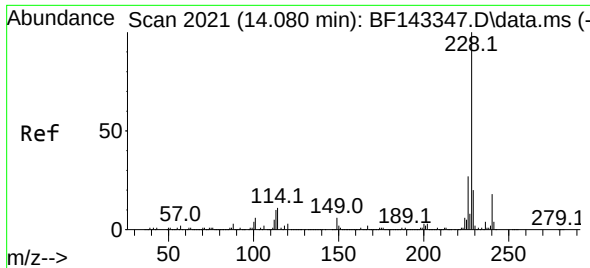


#80
 Butylbenzylphthalate
 Concen: 9.196 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04



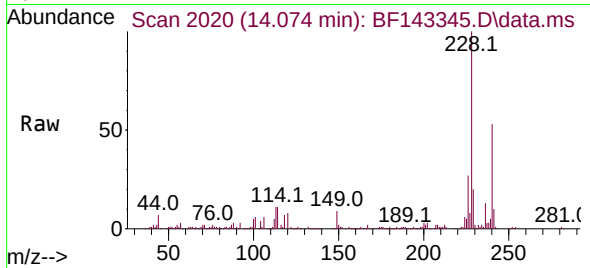
Tgt Ion:149 Resp: 30088
 Ion Ratio Lower Upper
 149 100
 91 74.1 58.8 88.2
 206 20.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 9.629 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

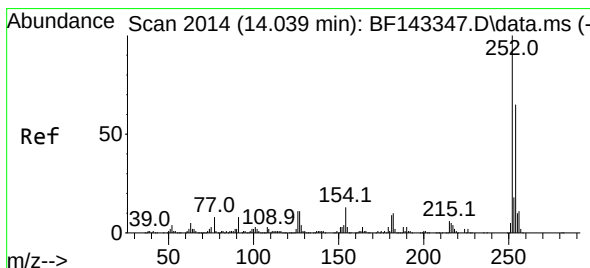
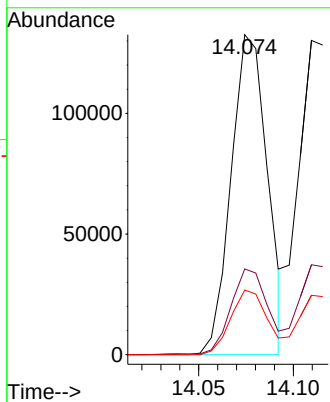
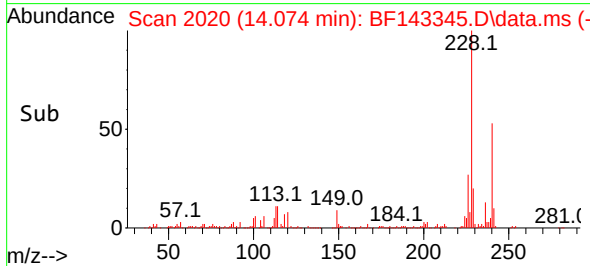
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



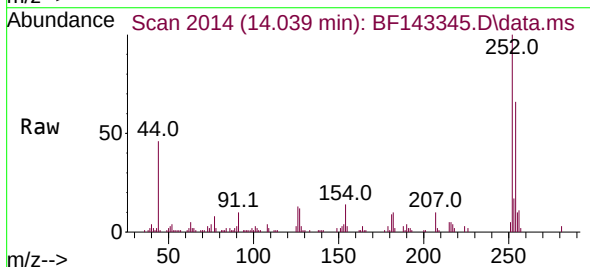
Tgt Ion:228 Resp: 176759
Ion Ratio Lower Upper
228 100
226 26.8 22.0 33.0
229 20.2 15.8 23.8

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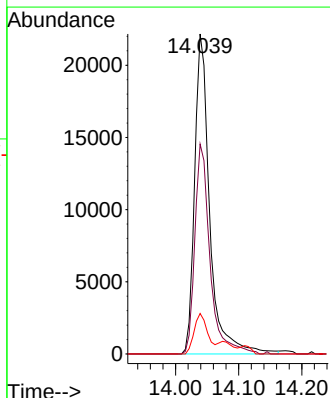
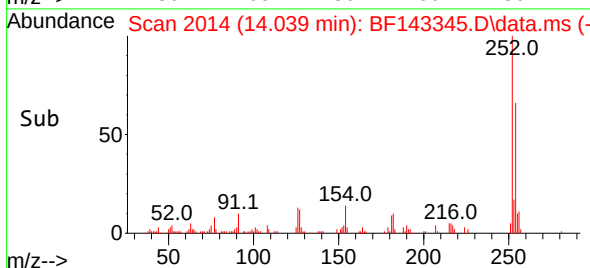
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

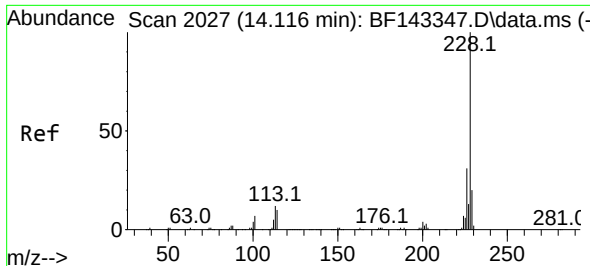


#82
3,3'-Dichlorobenzidine
Concen: 7.425 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



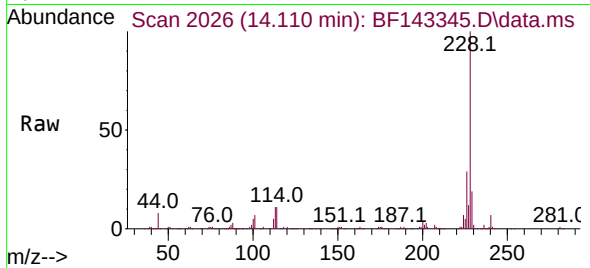
Tgt Ion:252 Resp: 36804
Ion Ratio Lower Upper
252 100
254 65.6 51.7 77.5
126 12.6 9.2 13.8





#83
Chrysene
Concen: 10.541 ng
RT: 14.110 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

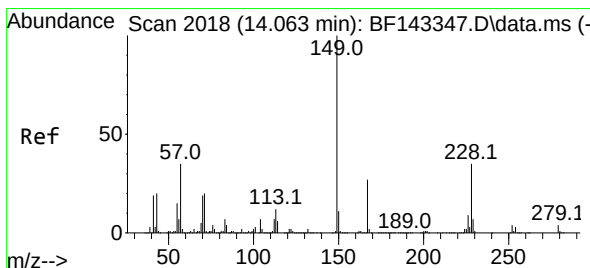
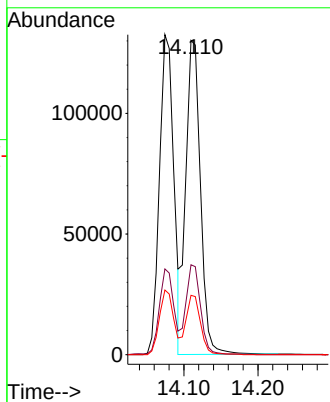
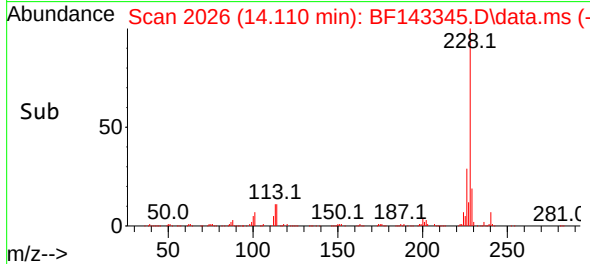
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



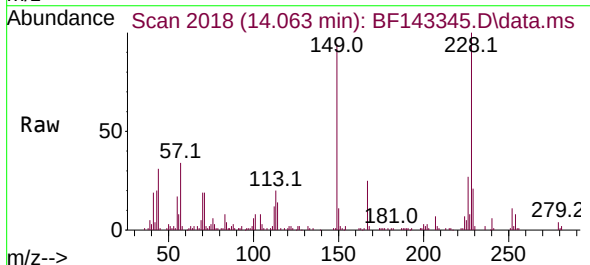
Tgt Ion:228 Resp: 18042
Ion Ratio Lower Upper
228 100
226 28.6 24.2 36.2
229 18.9 15.8 23.6

Manual Integrations
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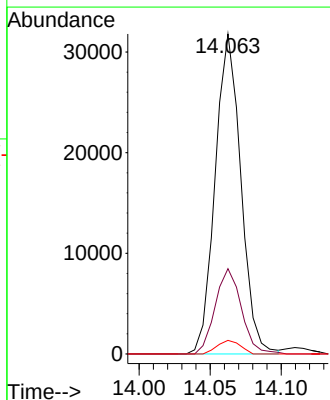
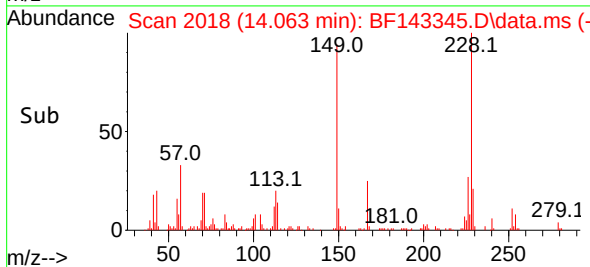
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

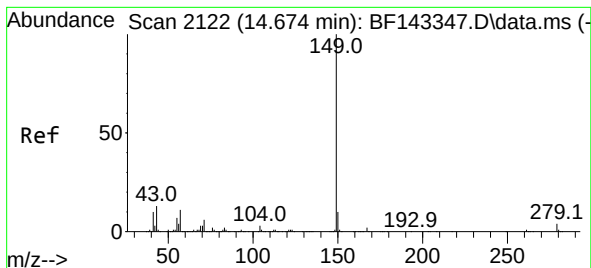


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.191 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



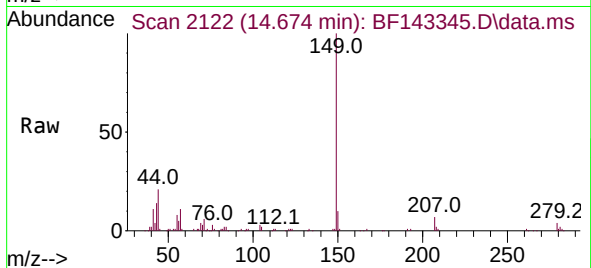
Tgt Ion:149 Resp: 39945
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 4.3 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 10.933 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

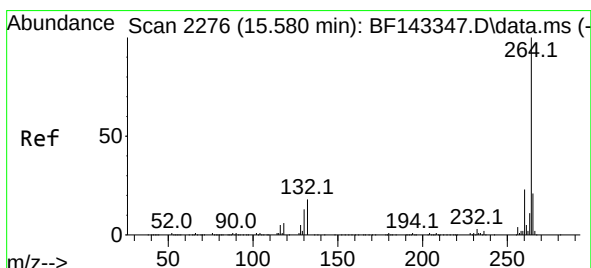
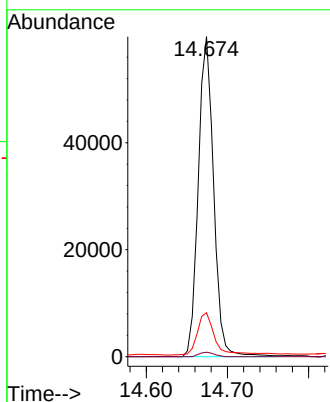
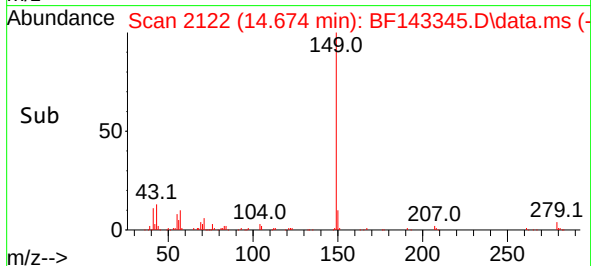
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



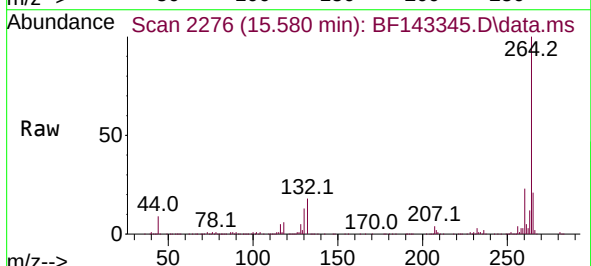
Tgt Ion:149 Resp: 78702
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 14.9 10.8 16.2

Manual Integrations
APPROVED

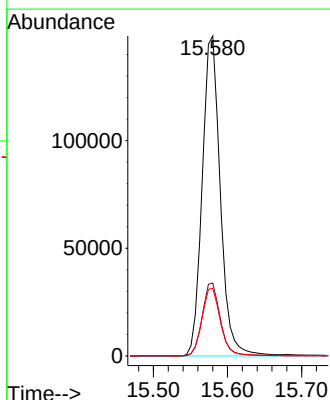
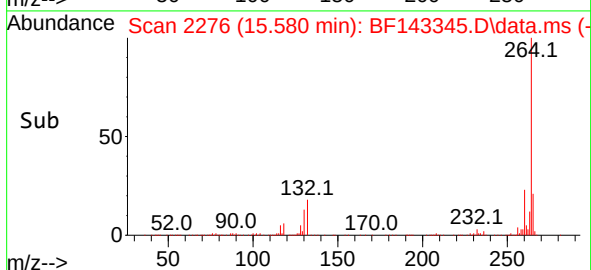
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

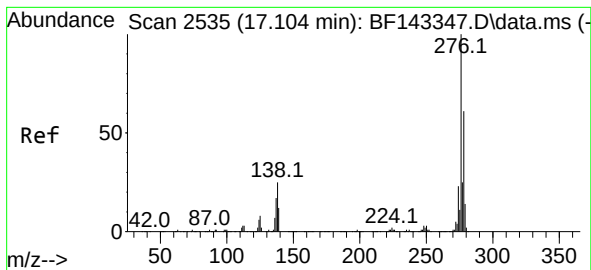


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



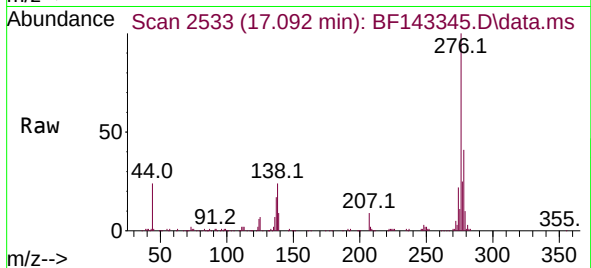
Tgt Ion:264 Resp: 252284
Ion Ratio Lower Upper
264 100
260 22.8 18.7 28.1
265 21.2 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.153 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

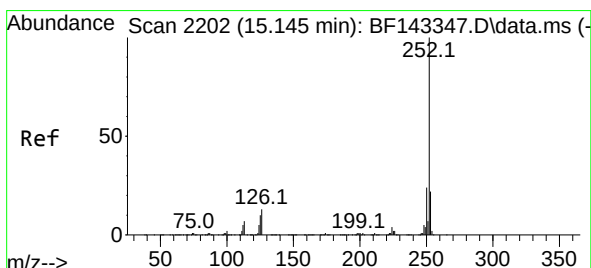
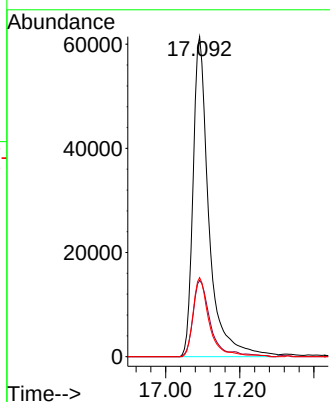
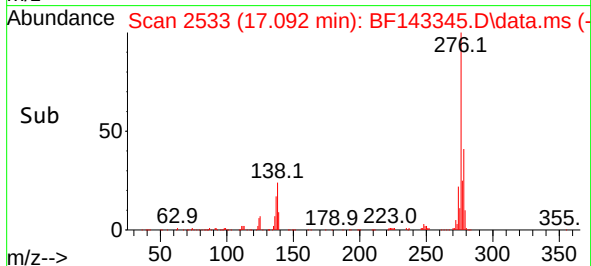
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



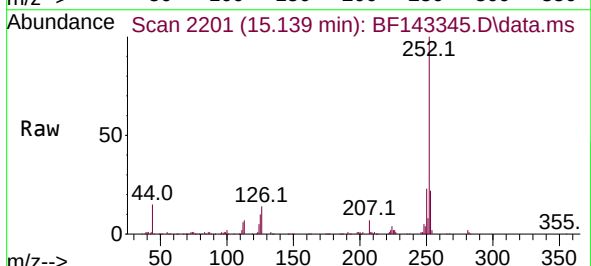
Tgt Ion:276 Resp: 18350
Ion Ratio Lower Upper
276 100
138 26.3 21.1 31.7
277 24.8 20.2 30.2

Manual Integrations
APPROVED

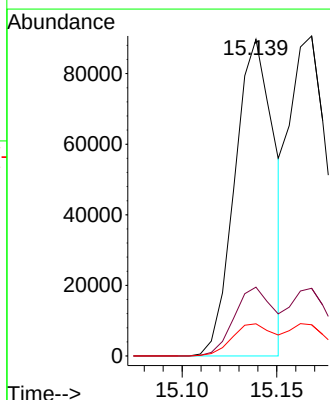
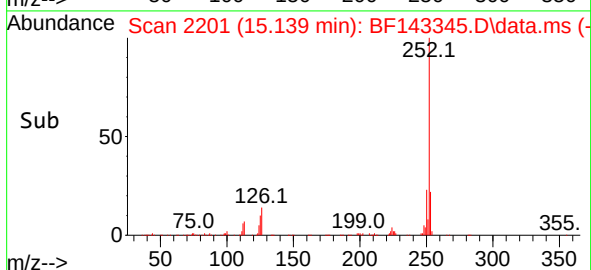
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

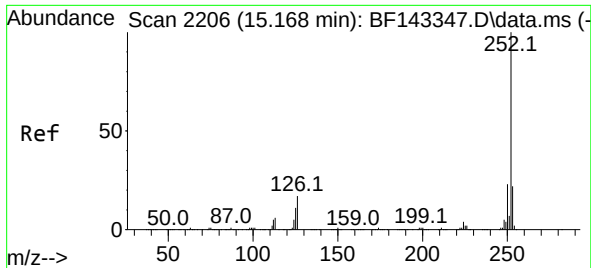


#88
Benzo(b)fluoranthene
Concen: 9.392 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



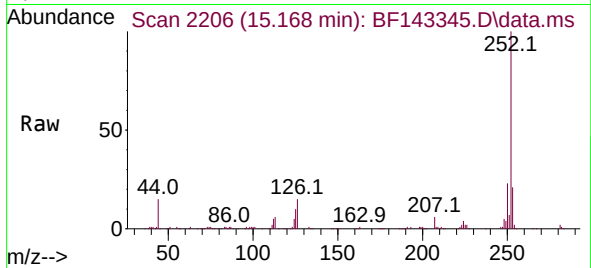
Tgt Ion:252 Resp: 129605
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 10.2 7.8 11.6





#89
Benzo(k)fluoranthene
Concen: 10.165 ng
RT: 15.168 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

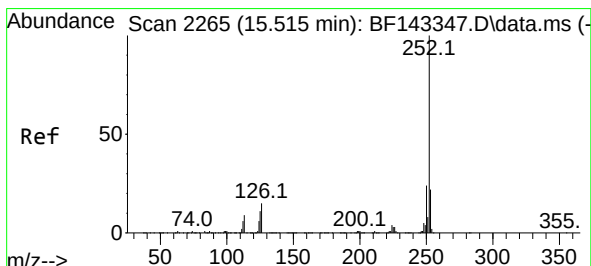
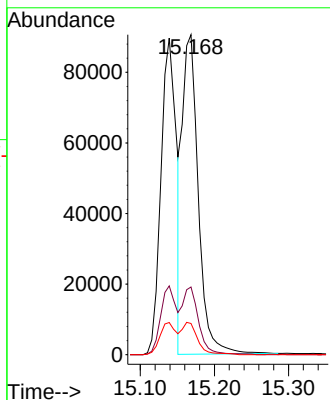
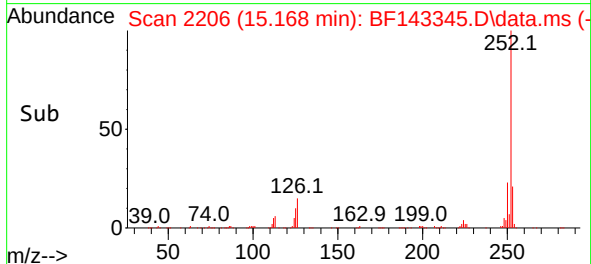
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



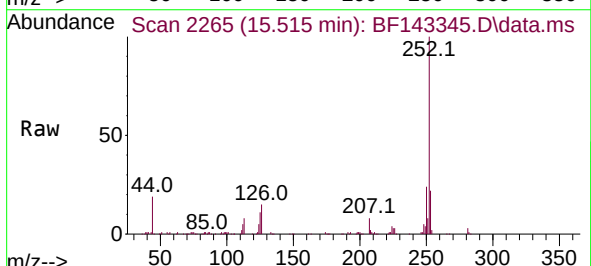
Tgt Ion:252 Resp: 136290
Ion Ratio Lower Upper
252 100
253 21.1 17.6 26.4
125 9.8 8.4 12.6

Manual Integrations
APPROVED

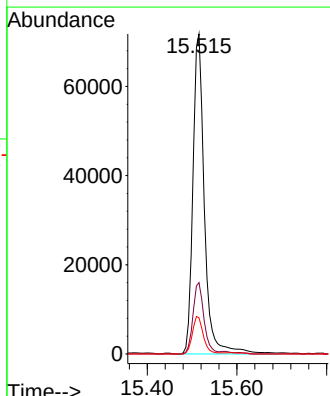
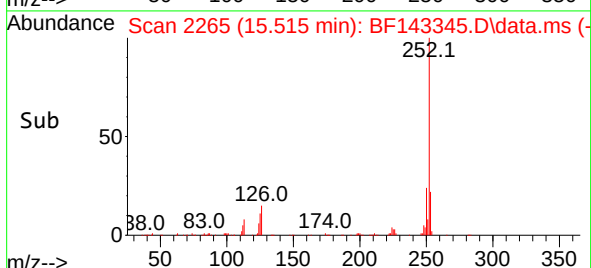
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

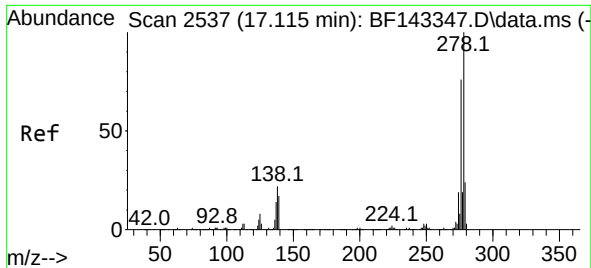


#90
Benzo(a)pyrene
Concen: 9.814 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:252 Resp: 127540
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 11.3 9.1 13.7





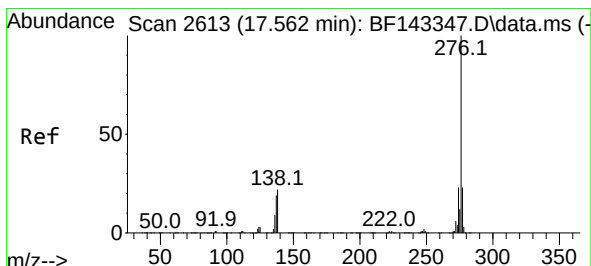
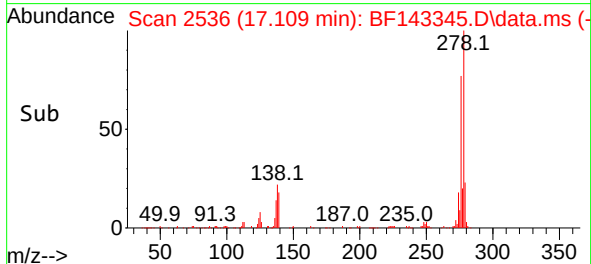
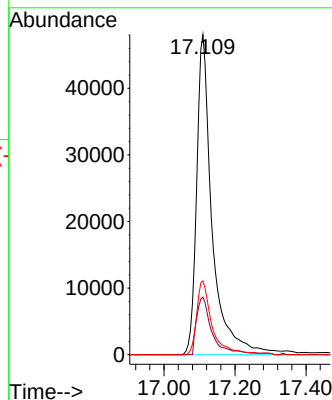
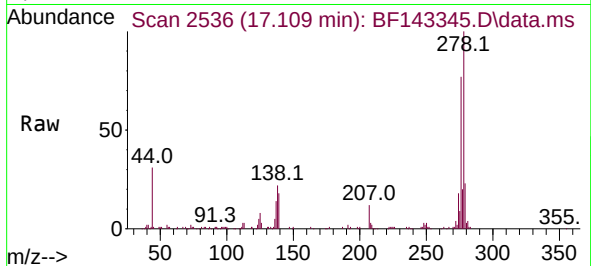
#91
Dibenzo(a,h)anthracene
Concen: 10.148 ng
RT: 17.109 min Scan# 2536
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 14653
Ion Ratio Lower Upper
278 100
139 17.9 14.0 21.0
279 23.0 19.4 29.0

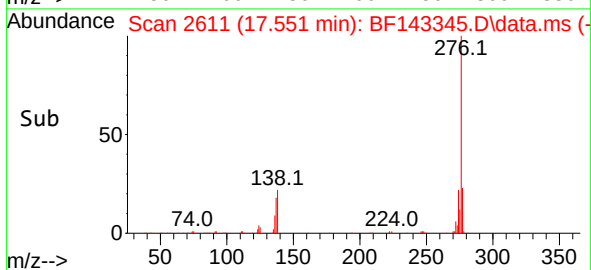
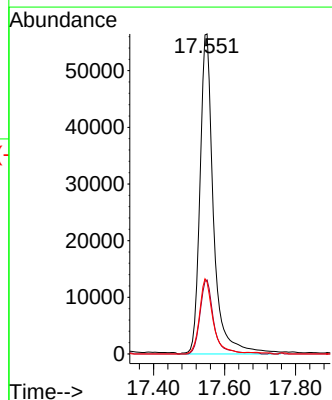
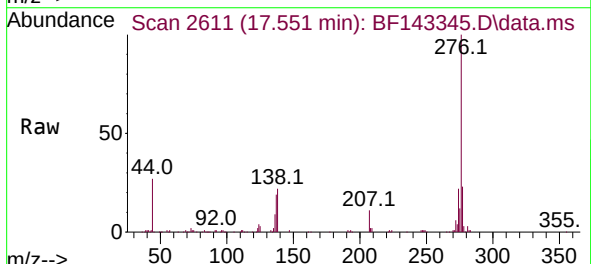
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#92
Benzo(g,h,i)perylene
Concen: 10.338 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:276 Resp: 150383
Ion Ratio Lower Upper
276 100
277 23.2 18.7 28.1
138 22.4 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143346.D
 Acq On : 12 Aug 2025 10:35
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Aug 12 13:18:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	168701	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	640356	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	345152	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	538915	20.000	ng	0.00
76) Chrysene-d12	14.086	240	307753	20.000	ng	0.00
86) Perylene-d12	15.580	264	306974	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	407312	41.751	ng	0.00
7) Phenol-d6	6.557	99	520093	41.573	ng	0.00
23) Nitrobenzene-d5	7.486	82	433525	42.160	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	103035	40.847	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	886799	43.569	ng	0.00
79) Terphenyl-d14	13.027	244	798330	46.313	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.763	88	103635	20.529	ng	97
3) Pyridine	3.540	79	269381	20.025	ng	100
4) n-Nitrosodimethylamine	3.463	42	119909	19.135	ng	99
6) Aniline	6.587	93	367374	20.830	ng	99
8) 2-Chlorophenol	6.716	128	214531	20.580	ng	98
9) Benzaldehyde	6.481	77	186638	22.572	ng	99
10) Phenol	6.569	94	310854	20.975	ng	96
11) bis(2-Chloroethyl)ether	6.657	93	224903	20.590	ng	99
12) 1,3-Dichlorobenzene	6.875	146	249994	20.792	ng	99
13) 1,4-Dichlorobenzene	6.945	146	250438	20.753	ng	99
14) 1,2-Dichlorobenzene	7.098	146	237306	20.716	ng	99
15) Benzyl Alcohol	7.063	79	180344	20.110	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	410762	21.064	ng	95
17) 2-Methylphenol	7.175	107	181753	20.655	ng	99
18) Hexachloroethane	7.445	117	77573	20.504	ng	98
19) n-Nitroso-di-n-propyla...	7.334	70	161440	20.884	ng	98
20) 3+4-Methylphenols	7.328	107	231589	21.762	ng	96
22) Acetophenone	7.334	105	304419	21.576	ng	97
24) Nitrobenzene	7.504	77	234624	21.009	ng	98
25) Isophorone	7.745	82	437206	20.827	ng	99
26) 2-Nitrophenol	7.822	139	70117	18.121	ng	96
27) 2,4-Dimethylphenol	7.857	122	184676	21.087	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	272180	21.236	ng	98
29) 2,4-Dichlorophenol	8.069	162	182884	21.380	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	191714	21.247	ng	99
31) Naphthalene	8.233	128	658723	21.378	ng	100
32) Benzoic acid	7.951	122	54709	19.373	ng	97
33) 4-Chloroaniline	8.275	127	235075	21.152	ng	98
34) Hexachlorobutadiene	8.351	225	119600	21.308	ng	99
35) Caprolactam	8.622	113	46828	19.474	ng	91
36) 4-Chloro-3-methylphenol	8.757	107	189645	21.148	ng	98
37) 2-Methylnaphthalene	8.922	142	436344	21.540	ng	100
38) 1-Methylnaphthalene	9.022	142	417915	21.421	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	198354	21.001	ng	99
41) Hexachlorocyclopentadiene	9.081	237	44965	19.003	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	109203	20.378	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143346.D
 Acq On : 12 Aug 2025 10:35
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

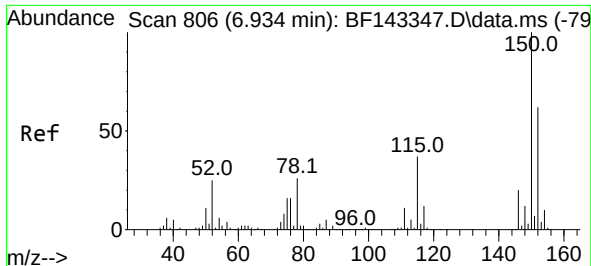
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Aug 12 13:18:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	126432	20.892	ng	98
46) 1,1'-Biphenyl	9.380	154	523392	21.447	ng	99
47) 2-Chloronaphthalene	9.410	162	407385	21.196	ng	99
48) 2-Nitroaniline	9.498	65	96206	19.121	ng	97
49) Acenaphthylene	9.828	152	593246	21.374	ng	99
50) Dimethylphthalate	9.675	163	429516	21.297	ng	100
51) 2,6-Dinitrotoluene	9.739	165	65043	18.954	ng	95
52) Acenaphthene	9.998	154	386752	20.959	ng	98
53) 3-Nitroaniline	9.910	138	86436	20.928	ng	99
54) 2,4-Dinitrophenol	10.016	184	15765	19.272	ng #	13
55) Dibenzofuran	10.169	168	564025	21.238	ng	100
56) 4-Nitrophenol	10.069	139	50785	19.809	ng	99
57) 2,4-Dinitrotoluene	10.139	165	88718	19.432	ng	94
58) Fluorene	10.510	166	431847	21.289	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	81483	19.975	ng	99
60) Diethylphthalate	10.375	149	390634	21.624	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	207053	21.124	ng	99
62) 4-Nitroaniline	10.516	138	87370	21.864	ng	99
63) Azobenzene	10.663	77	443476	21.493	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	29324	18.676	ng	94
66) n-Nitrosodiphenylamine	10.616	169	363227	20.469	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	125072	20.293	ng	97
68) Hexachlorobenzene	11.063	284	134796	20.290	ng	98
69) Atrazine	11.139	200	100549	21.725	ng	100
70) Pentachlorophenol	11.257	266	47147	19.347	ng	99
71) Phenanthrene	11.474	178	622794	21.181	ng	99
72) Anthracene	11.527	178	638169	21.401	ng	98
73) Carbazole	11.674	167	548030	21.580	ng	100
74) Di-n-butylphthalate	12.004	149	479230	22.300	ng	99
75) Fluoranthene	12.663	202	566275	21.986	ng	99
77) Benzidine	12.780	184	201097	23.901	ng	99
78) Pyrene	12.892	202	587878	22.771	ng	100
80) Butylbenzylphthalate	13.504	149	83834	18.636	ng	99
81) Benzo(a)anthracene	14.080	228	412056	21.066	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	100529	19.033	ng	100
83) Chrysene	14.115	228	369066	20.235	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	107115	17.077	ng	99
85) Di-n-octyl phthalate	14.674	149	213024	18.493	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	454164	20.651	ng	99
88) Benzo(b)fluoranthene	15.139	252	335316	19.971	ng	99
89) Benzo(k)fluoranthene	15.168	252	355480	21.789	ng	99
90) Benzo(a)pyrene	15.515	252	325450	20.580	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	363491	20.688	ng	98
92) Benzo(g,h,i)perylene	17.551	276	364540	20.596	ng	99

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

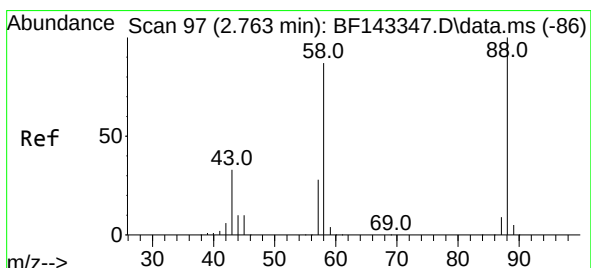
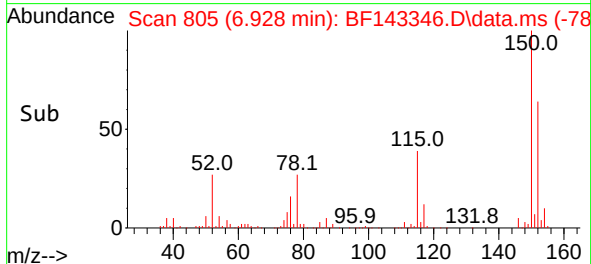
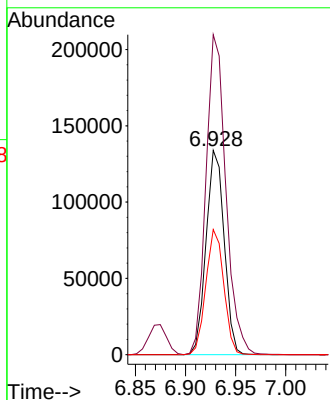
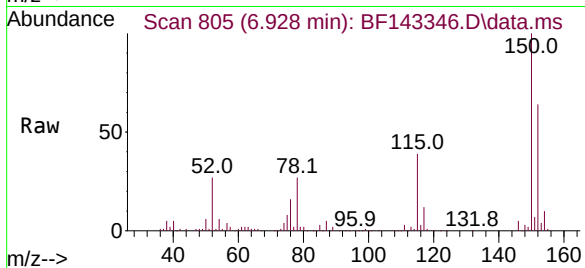
- 1
- 2
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- 16
- 17
- 18



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF143346.D
 Acq: 12 Aug 2025 10:35

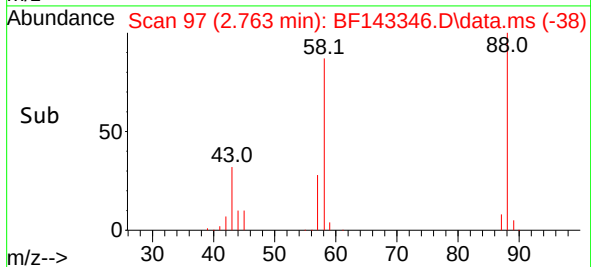
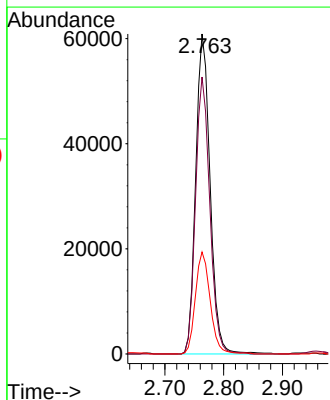
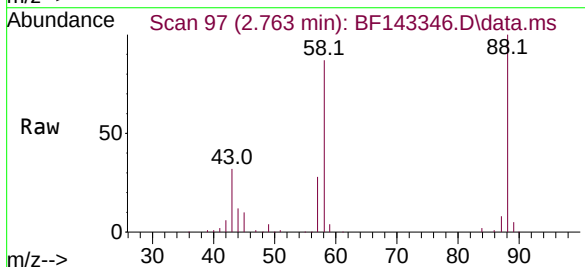
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

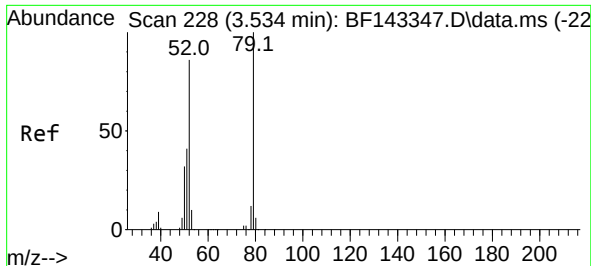
Tgt Ion:152 Resp: 168701
 Ion Ratio Lower Upper
 152 100
 150 156.6 129.8 194.8
 115 61.3 47.8 71.8



#2
 1,4-Dioxane
 Concen: 20.529 ng
 RT: 2.763 min Scan# 97
 Delta R.T. -0.000 min
 Lab File: BF143346.D
 Acq: 12 Aug 2025 10:35

Tgt Ion: 88 Resp: 103635
 Ion Ratio Lower Upper
 88 100
 58 85.7 71.0 106.6
 43 32.6 27.0 40.6





#3

Pyridine

Concen: 20.025 ng

RT: 3.540 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

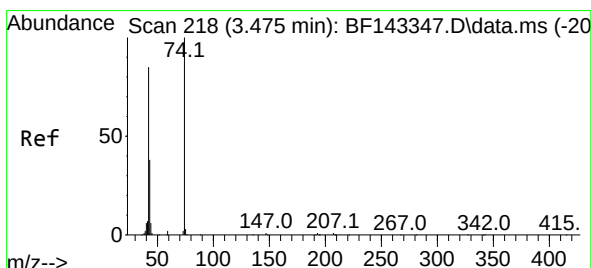
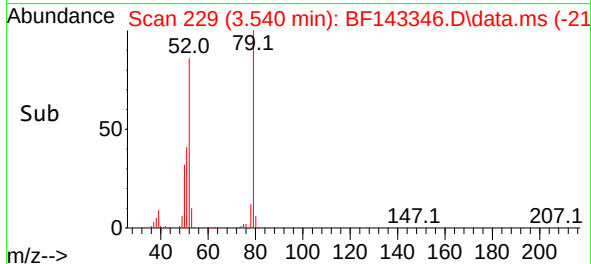
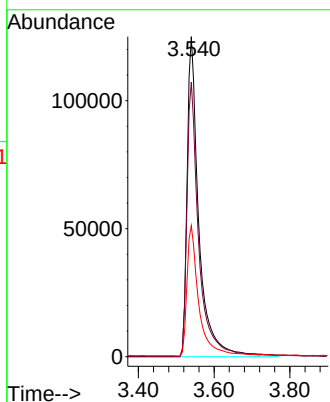
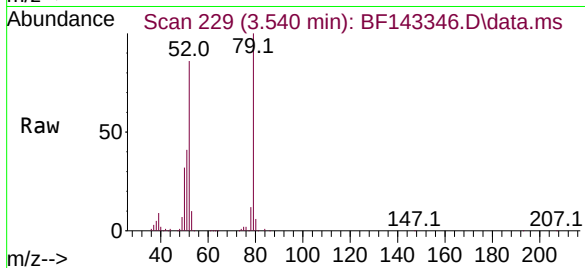
Tgt Ion: 79 Resp: 269381

Ion Ratio Lower Upper

79 100

52 85.8 68.7 103.1

51 40.9 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 19.135 ng

RT: 3.463 min Scan# 216

Delta R.T. -0.012 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

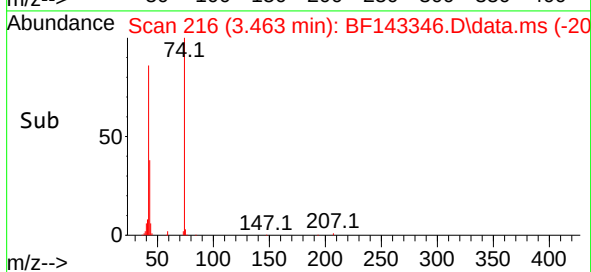
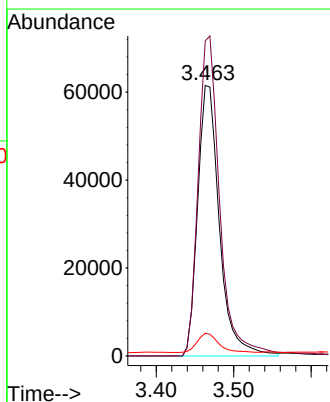
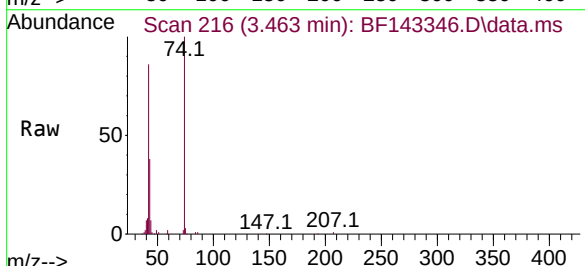
Tgt Ion: 42 Resp: 119909

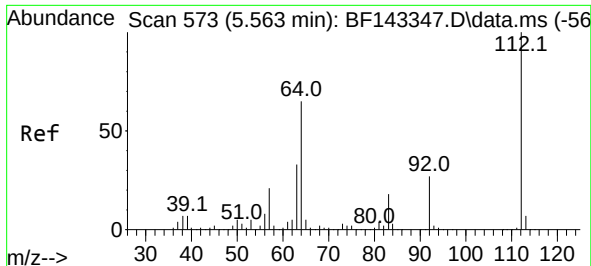
Ion Ratio Lower Upper

42 100

74 116.4 94.1 141.1

44 8.4 6.5 9.7

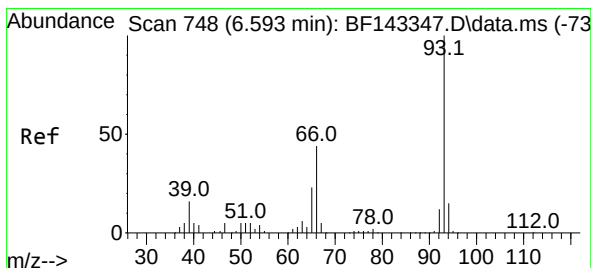
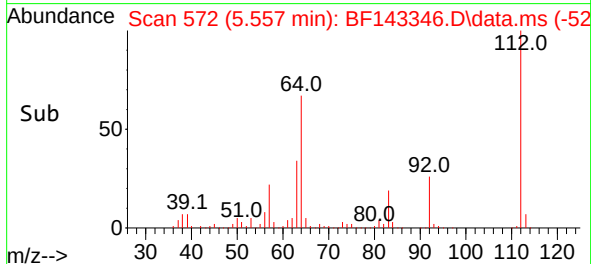
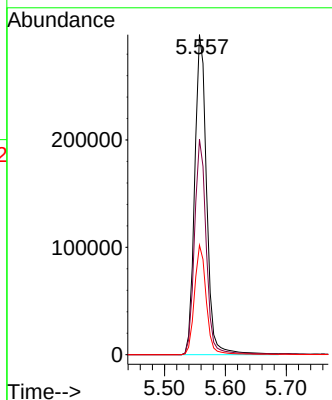
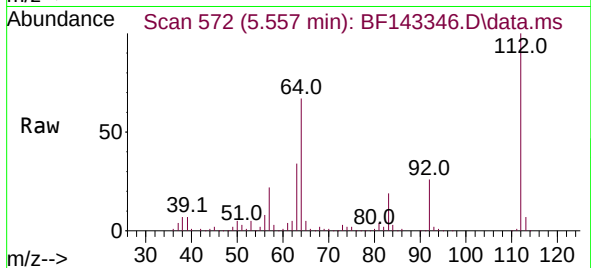




#5
2-Fluorophenol
Concen: 41.751 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

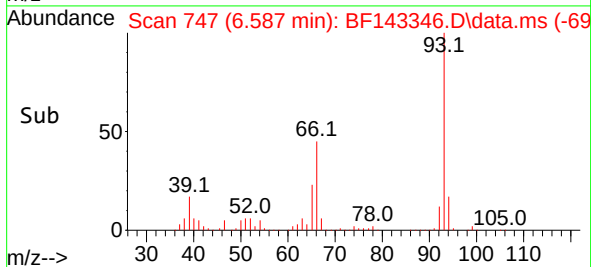
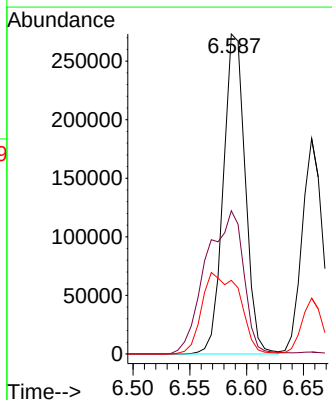
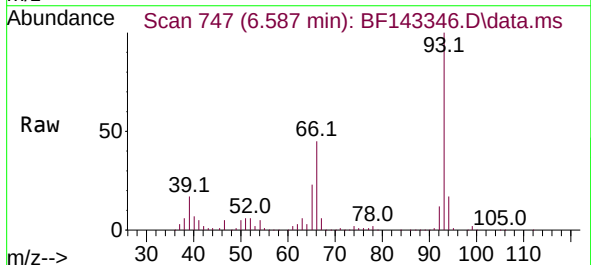
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

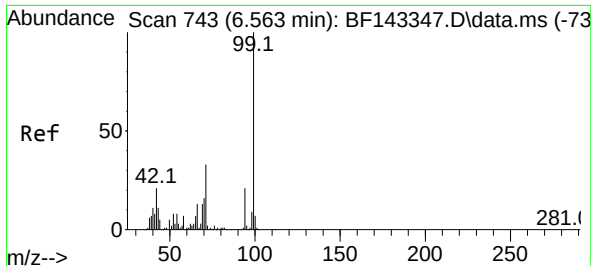
Tgt Ion:112 Resp: 407312
Ion Ratio Lower Upper
112 100
64 67.2 52.1 78.1
63 34.2 26.6 39.8



#6
Aniline
Concen: 20.830 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 93 Resp: 367374
Ion Ratio Lower Upper
93 100
66 44.7 35.3 52.9
65 23.0 18.2 27.4

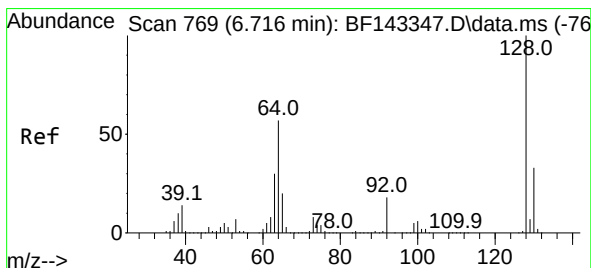
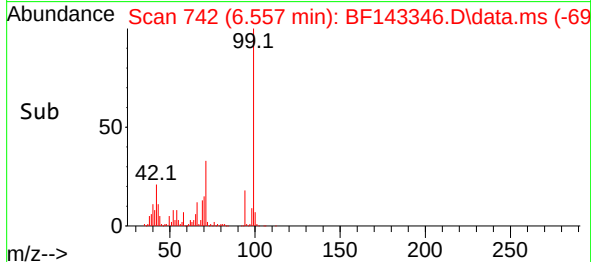
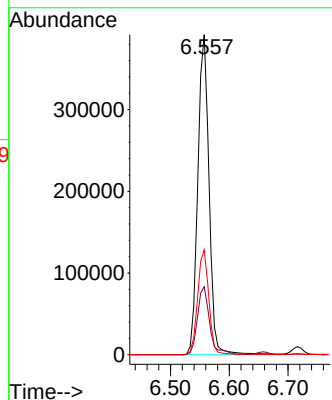
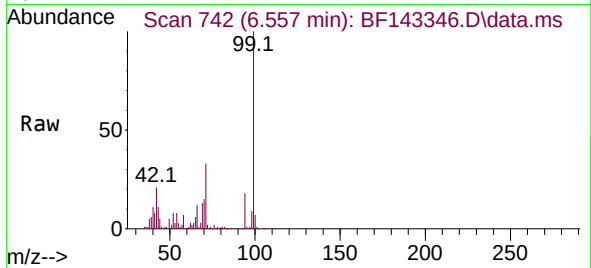




#7
Phenol-d6
Concen: 41.573 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

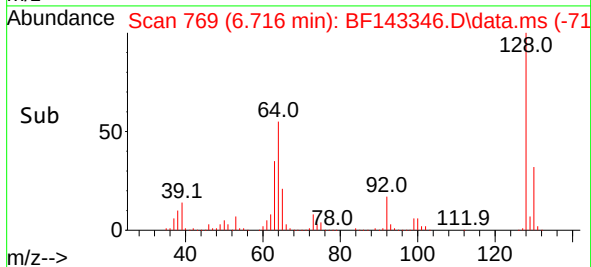
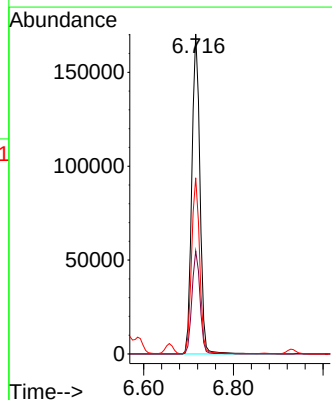
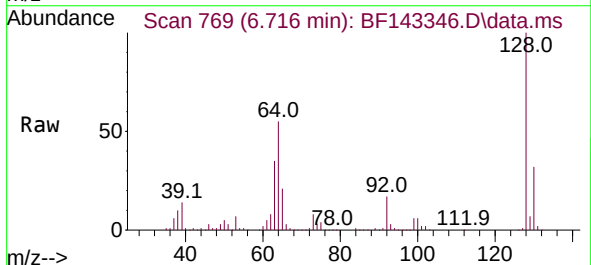
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

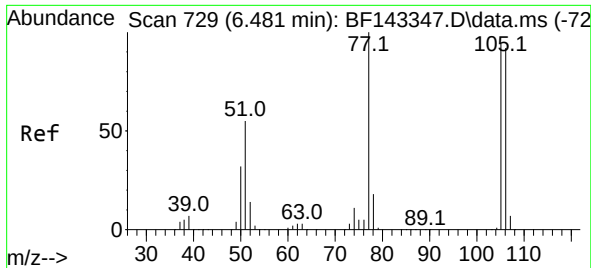
Tgt Ion: 99 Resp: 520093
Ion Ratio Lower Upper
99 100
42 21.2 16.6 25.0
71 32.7 26.2 39.2



#8
2-Chlorophenol
Concen: 20.580 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 128 Resp: 214531
Ion Ratio Lower Upper
128 100
130 32.2 12.6 52.6
64 55.1 36.7 76.7

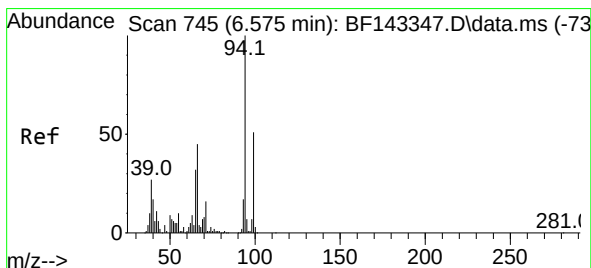
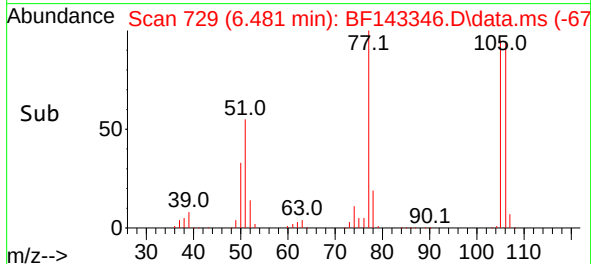
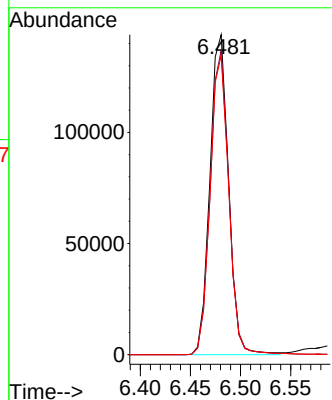
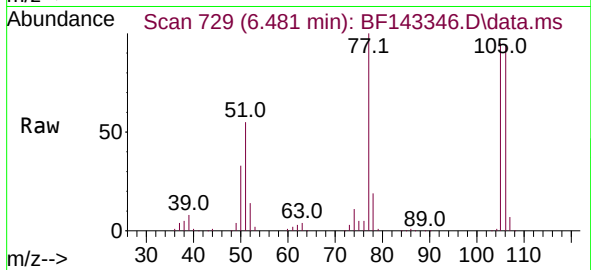




#9
Benzaldehyde
Concen: 22.572 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

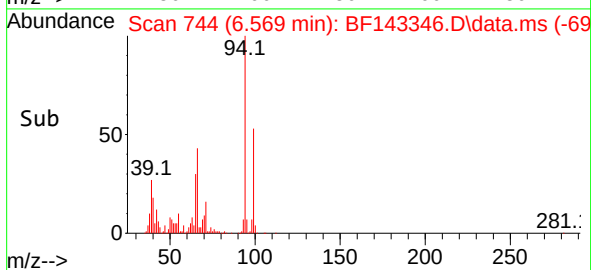
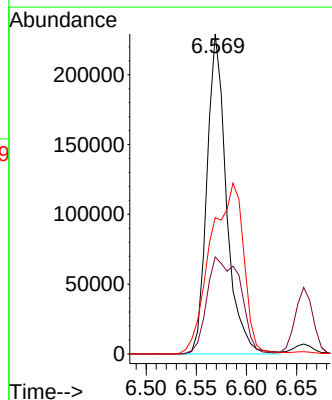
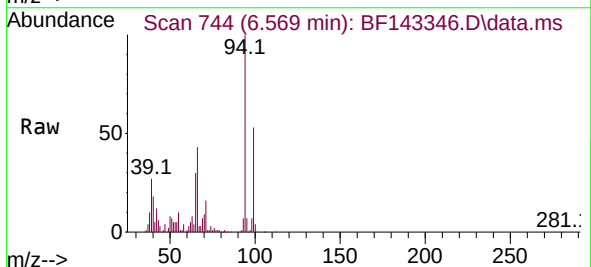
Instrument :
BNA_F
ClientSampleId :
SSTDIC020

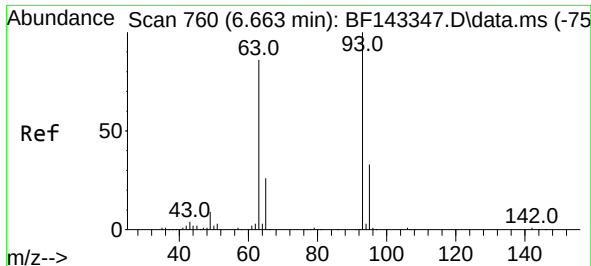
Tgt Ion: 77 Resp: 186638
Ion Ratio Lower Upper
77 100
105 95.0 74.2 114.2
106 93.5 72.2 112.2



#10
Phenol
Concen: 20.975 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 94 Resp: 310854
Ion Ratio Lower Upper
94 100
65 30.3 12.0 52.0
66 42.6 25.6 65.6

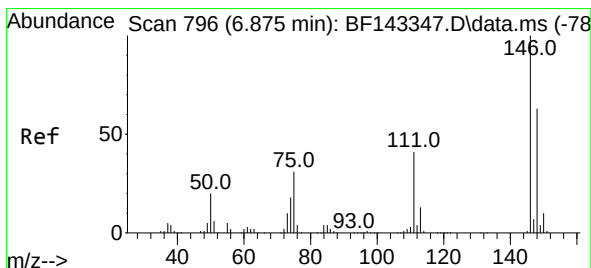
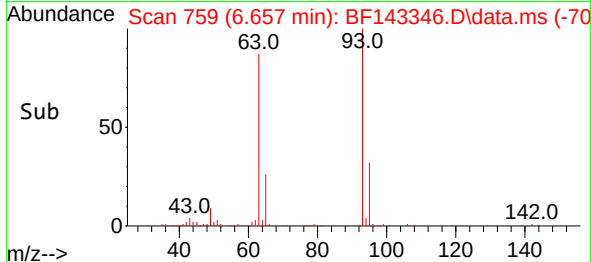
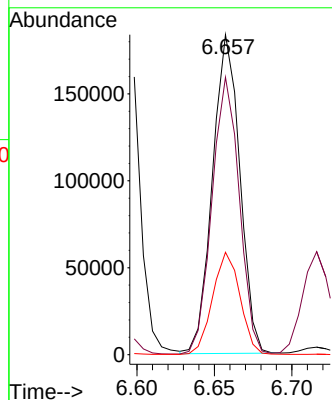
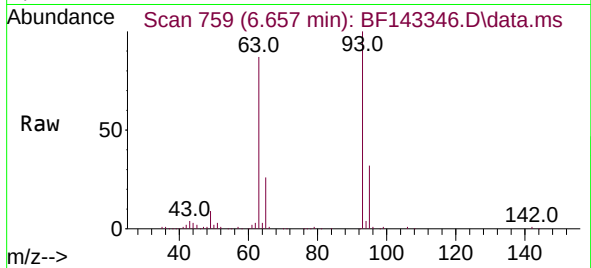




#11
bis(2-Chloroethyl)ether
Concen: 20.590 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

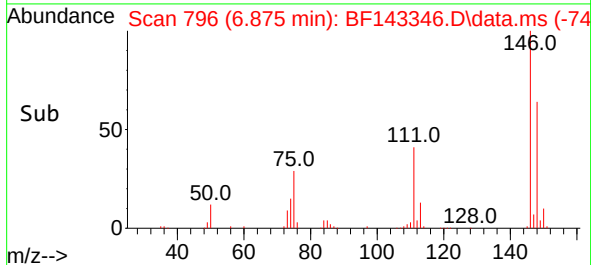
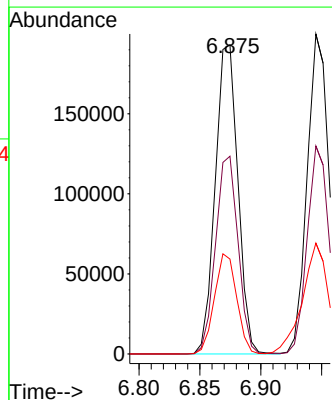
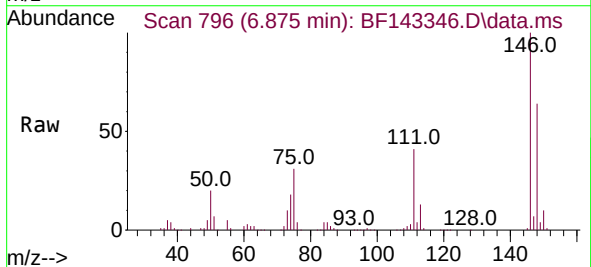
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

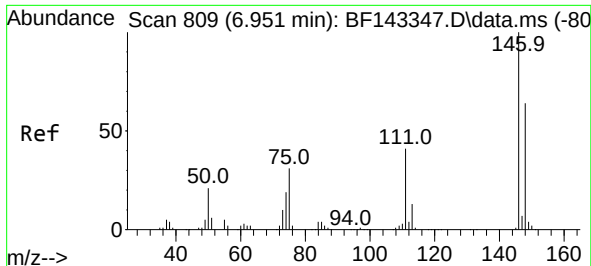
Tgt Ion: 93 Resp: 224903
Ion Ratio Lower Upper
93 100
63 86.7 65.7 105.7
95 32.0 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 20.792 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 146 Resp: 249994
Ion Ratio Lower Upper
146 100
148 64.0 50.5 75.7
75 30.7 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 20.753 ng

RT: 6.945 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

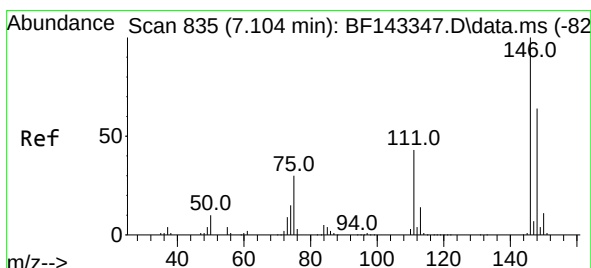
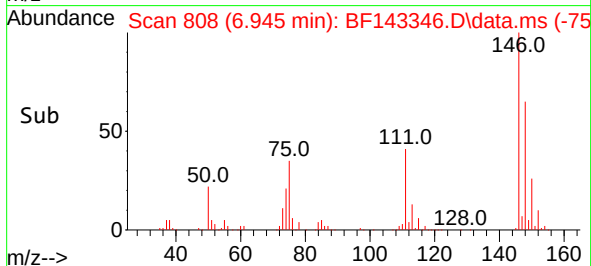
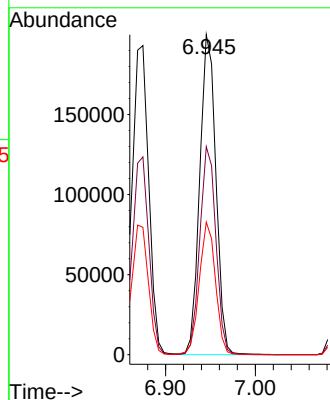
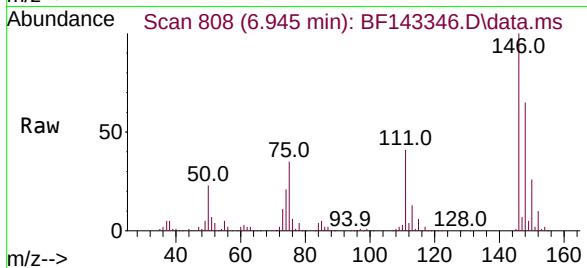
Tgt Ion:146 Resp: 250438

Ion Ratio Lower Upper

146 100

148 65.0 51.4 77.0

111 41.4 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 20.716 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

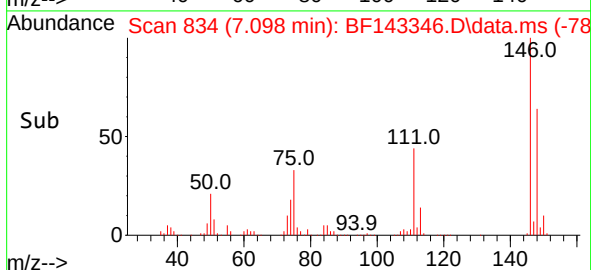
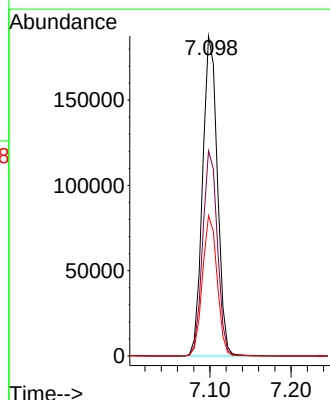
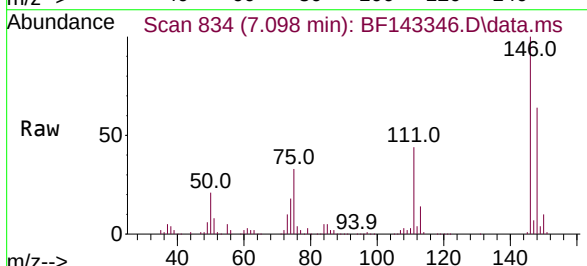
Tgt Ion:146 Resp: 237306

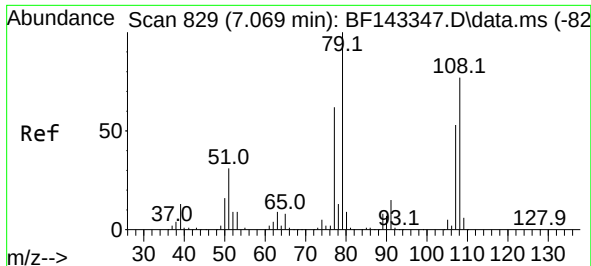
Ion Ratio Lower Upper

146 100

148 64.1 51.4 77.2

111 43.8 34.1 51.1

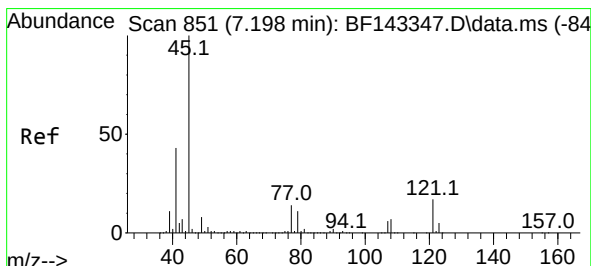
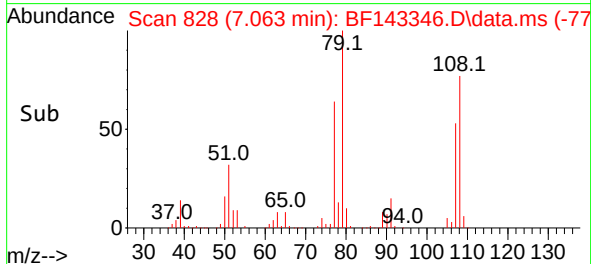
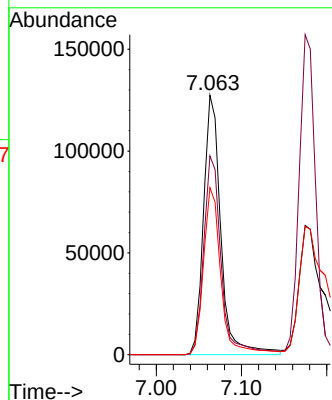
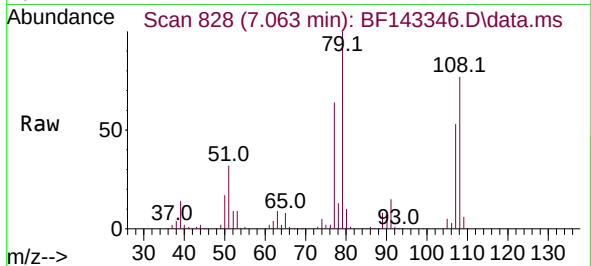




#15
Benzyl Alcohol
Concen: 20.110 ng
RT: 7.063 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

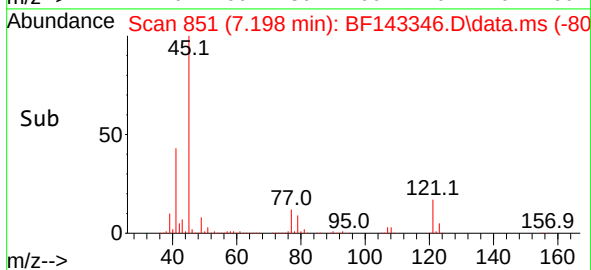
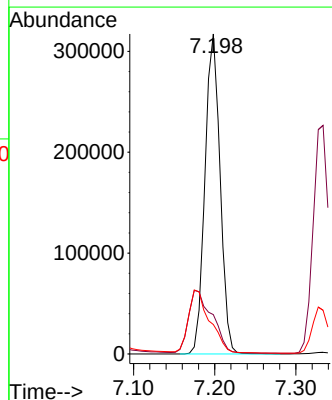
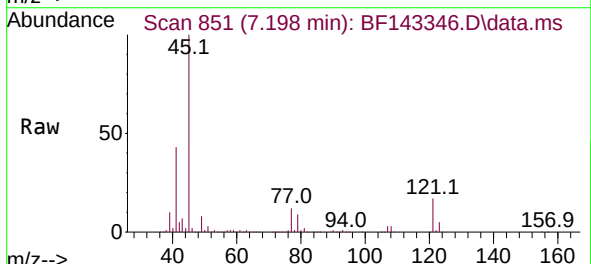
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

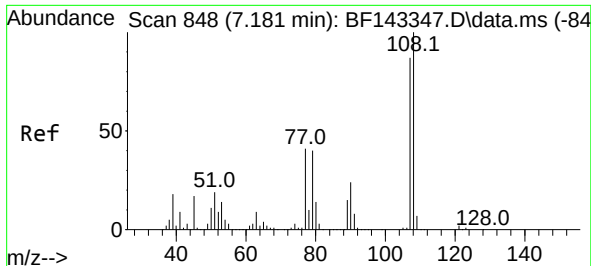
Tgt Ion: 79 Resp: 180344
Ion Ratio Lower Upper
79 100
108 76.6 61.5 92.3
77 64.4 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.064 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

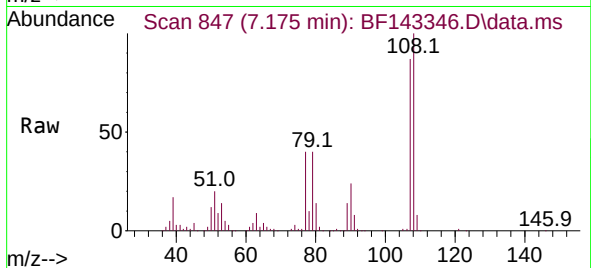
Tgt Ion: 45 Resp: 410762
Ion Ratio Lower Upper
45 100
77 12.3 0.0 34.0
79 9.2 0.0 31.1



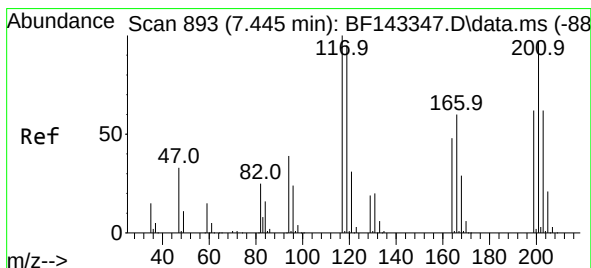
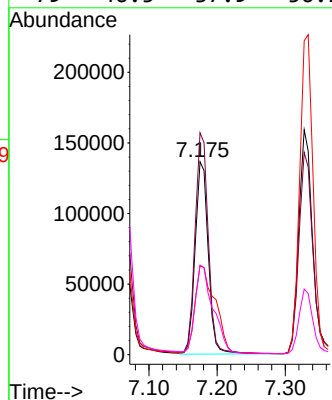
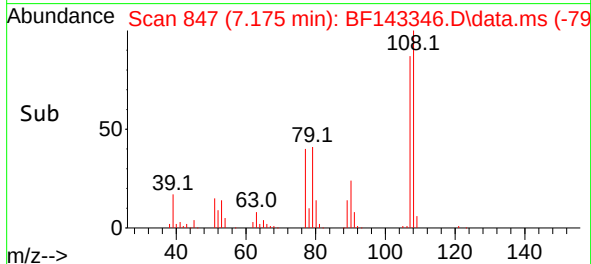


#17
2-Methylphenol
Concen: 20.655 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

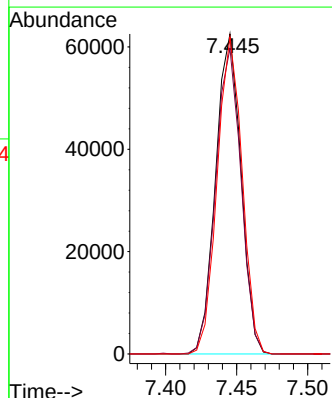
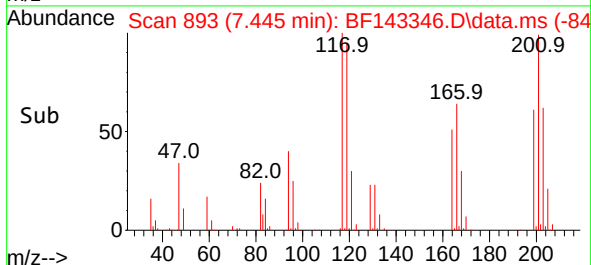
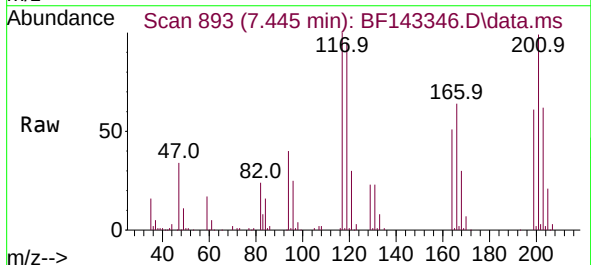


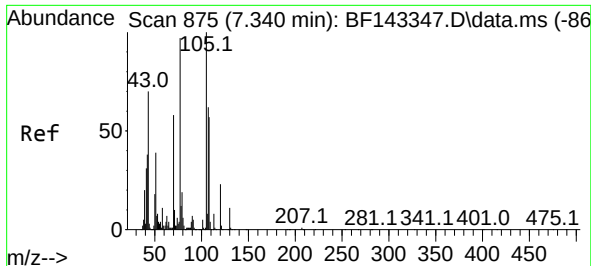
Tgt Ion:	107	Resp:	181753
Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	46.1	38.2	57.2
79	46.5	37.9	56.9



#18
Hexachloroethane
Concen: 20.504 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:	117	Resp:	77573
Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.8
201	99.0	77.2	115.8



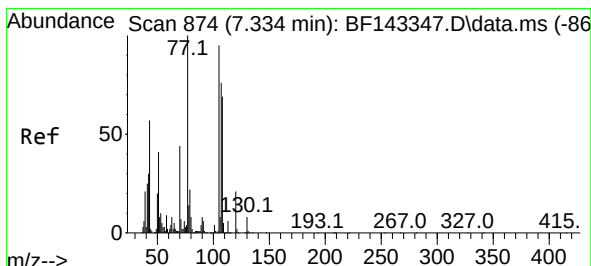
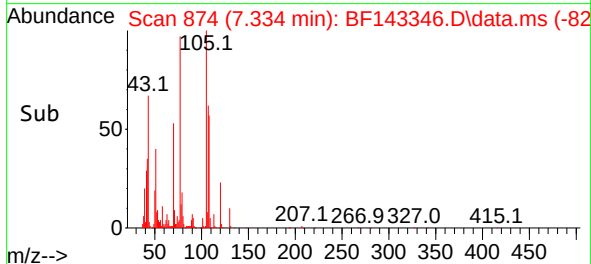
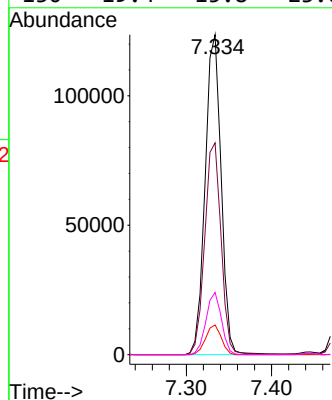
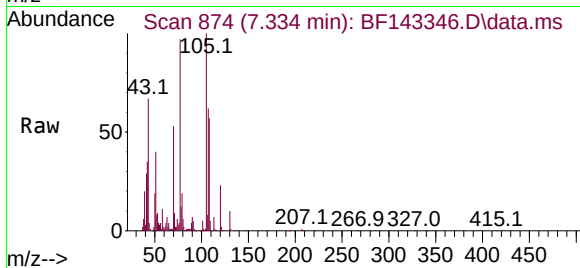


#19
n-Nitroso-di-n-propylamine
Concen: 20.884 ng
RT: 7.334 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 161440

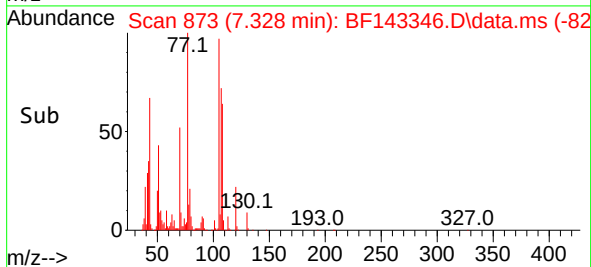
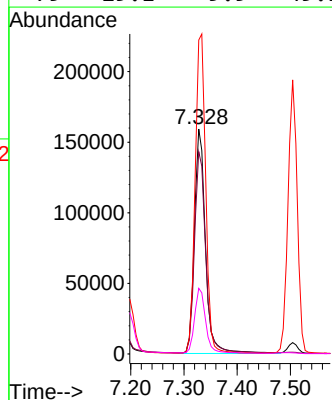
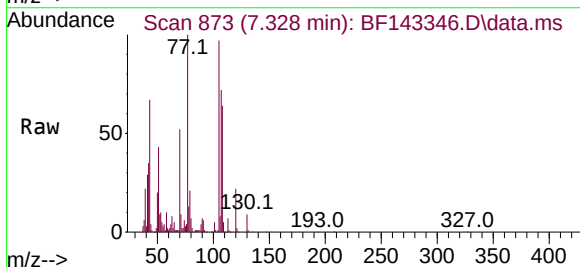
Ion	Ratio	Lower	Upper
70	100		
42	66.2	51.6	77.4
101	9.3	7.5	11.3
130	19.4	15.8	23.6

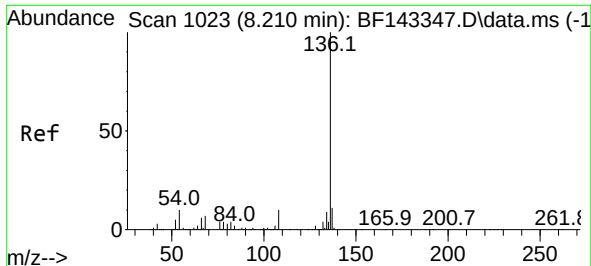


#20
3+4-Methylphenols
Concen: 21.762 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 107 Resp: 231589

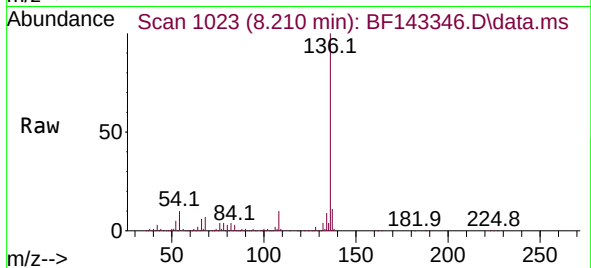
Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.6	110.6
77	139.5	112.0	152.0
79	29.1	9.9	49.9



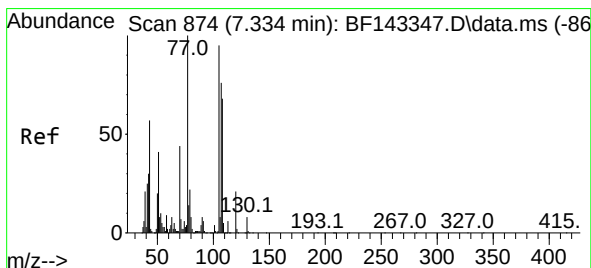
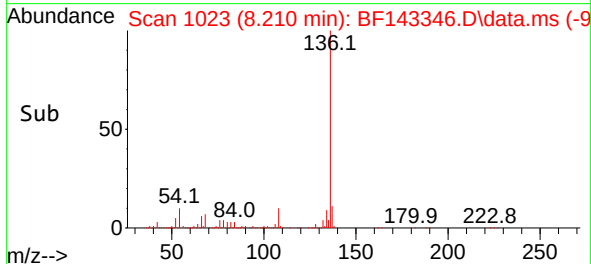
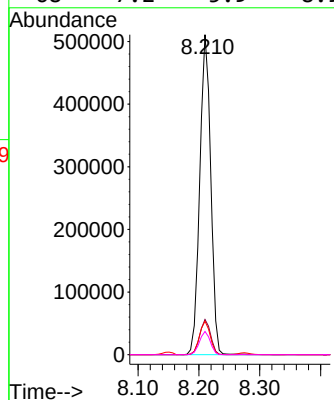


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

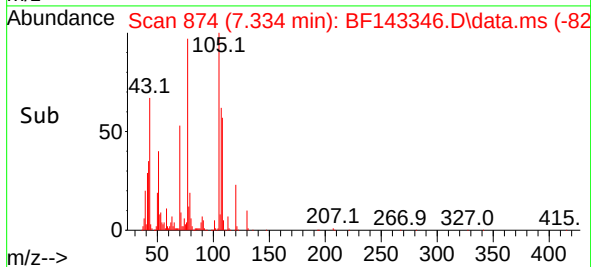
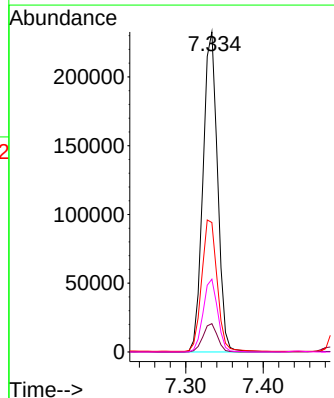
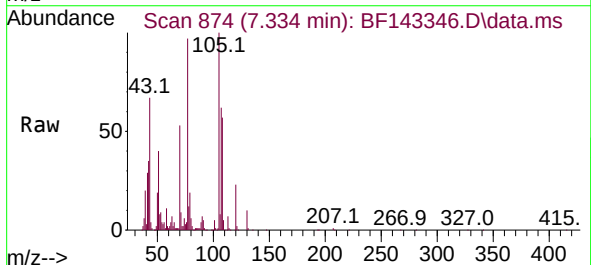


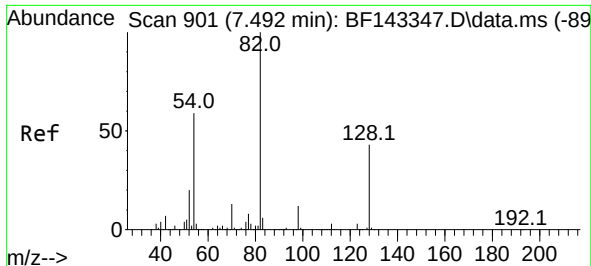
Tgt Ion:	136	Resp:	640356
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	10.5	8.4	12.6
68	7.2	5.9	8.9



#22
Acetophenone
Concen: 21.576 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:	105	Resp:	304419
Ion Ratio	Lower	Upper	
105	100		
71	8.8	6.2	9.4
51	40.5	34.8	52.2
120	22.8	17.9	26.9





#23

Nitrobenzene-d5

Concen: 42.160 ng

RT: 7.486 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

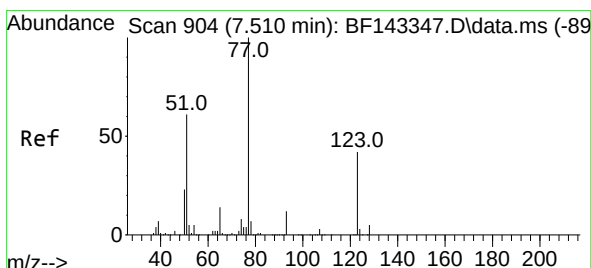
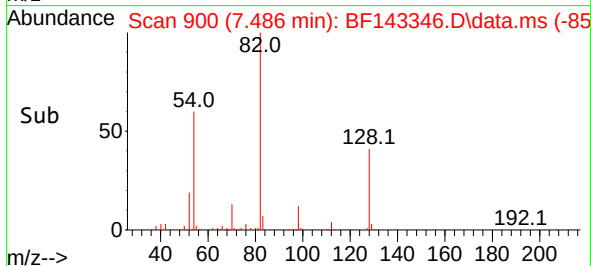
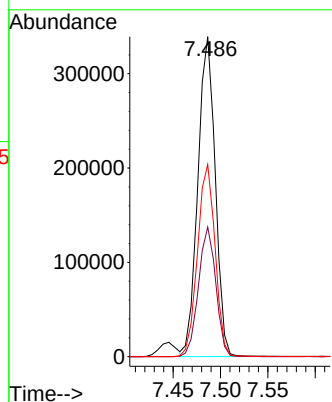
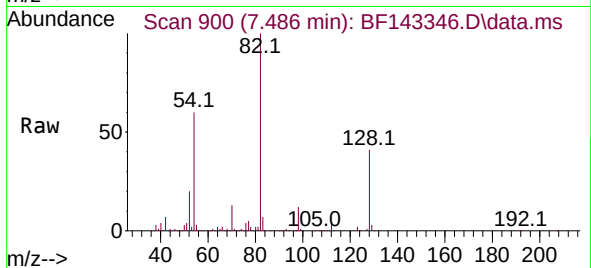
Tgt Ion: 82 Resp: 433525

Ion Ratio Lower Upper

82 100

128 40.5 33.5 50.3

54 60.0 46.7 70.1



#24

Nitrobenzene

Concen: 21.009 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

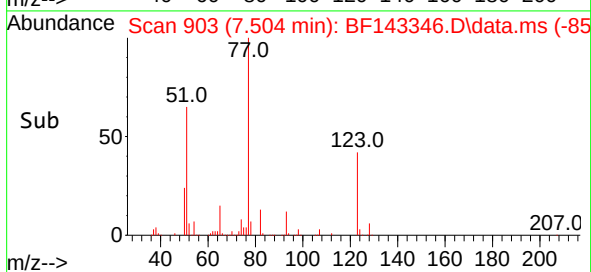
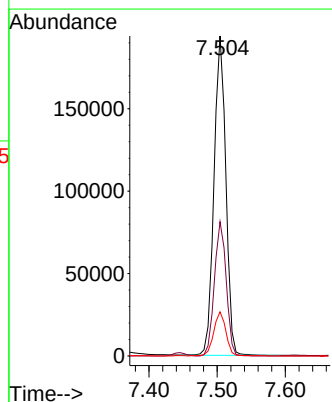
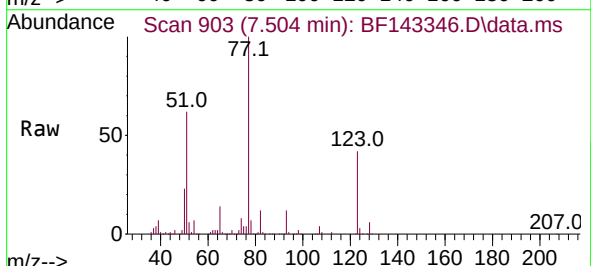
Tgt Ion: 77 Resp: 234624

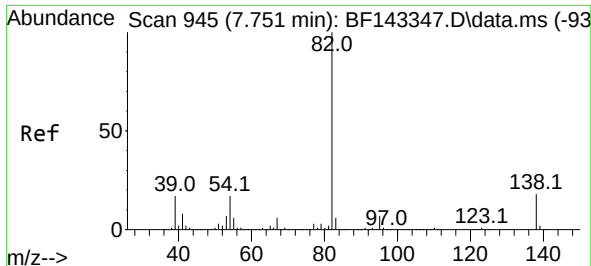
Ion Ratio Lower Upper

77 100

123 41.9 34.8 52.2

65 13.8 11.0 16.6

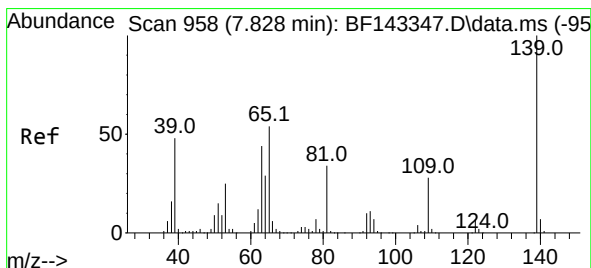
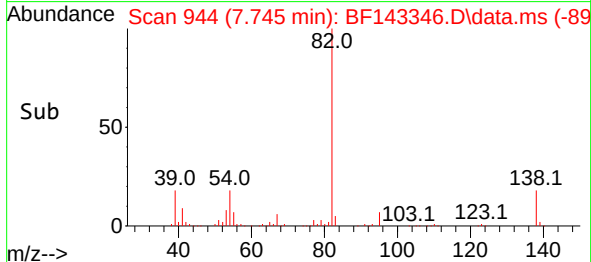
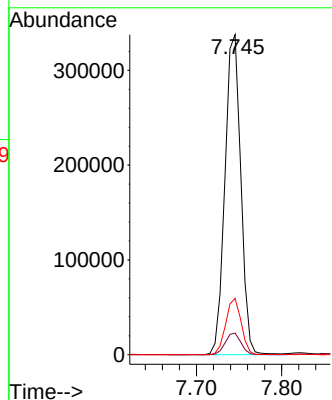
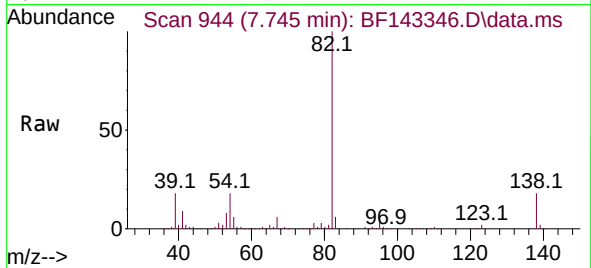




#25
Isophorone
Concen: 20.827 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

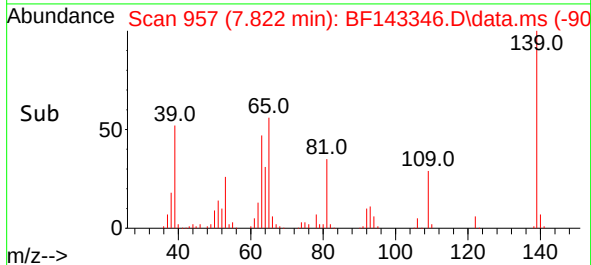
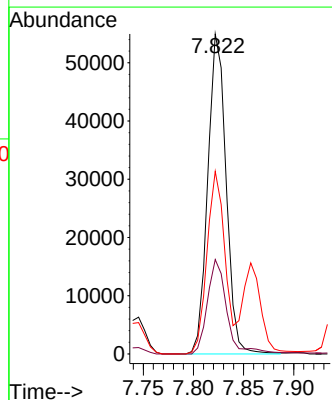
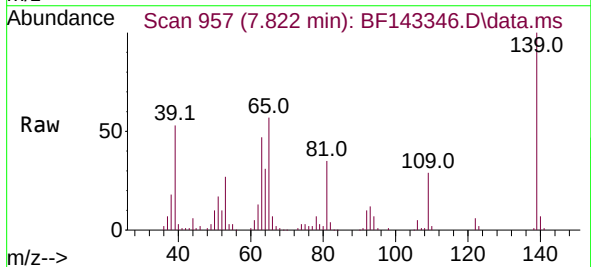
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

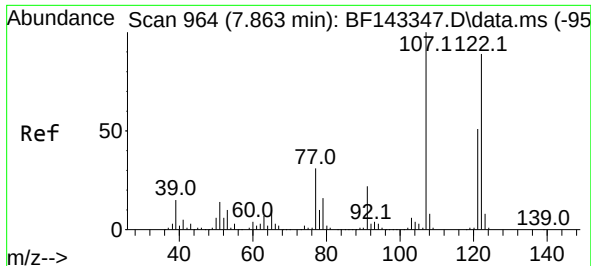
Tgt Ion: 82 Resp: 437206
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.6 14.6 21.8



#26
2-Nitrophenol
Concen: 18.121 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:139 Resp: 70117
Ion Ratio Lower Upper
139 100
109 29.5 22.4 33.6
65 57.1 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 21.087 ng

RT: 7.857 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

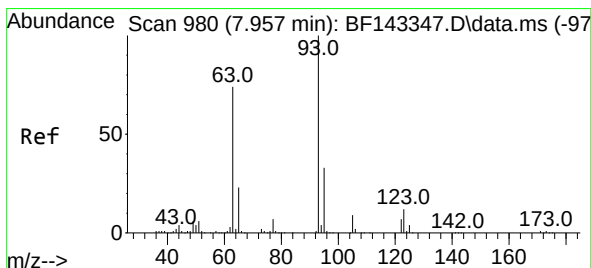
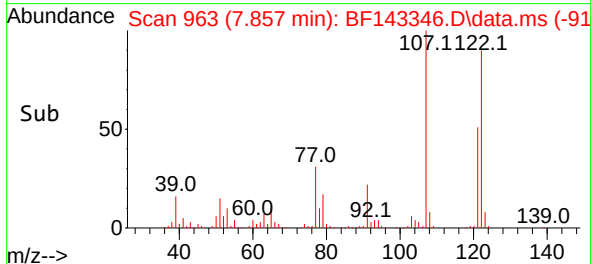
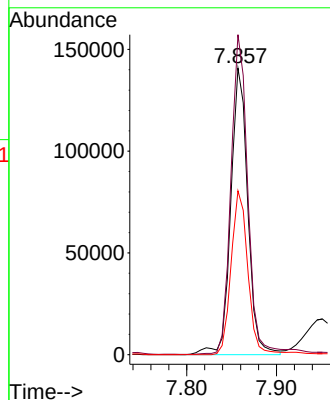
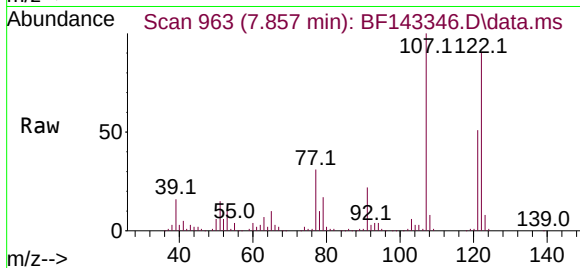
Tgt Ion:122 Resp: 184676

Ion Ratio Lower Upper

122 100

107 111.7 89.9 134.9

121 57.2 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 21.236 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

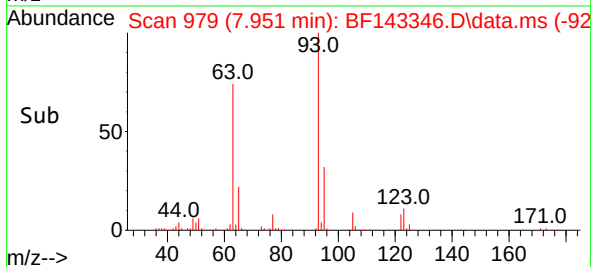
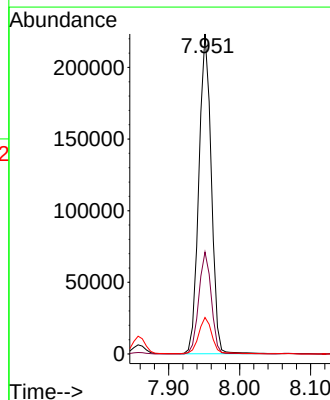
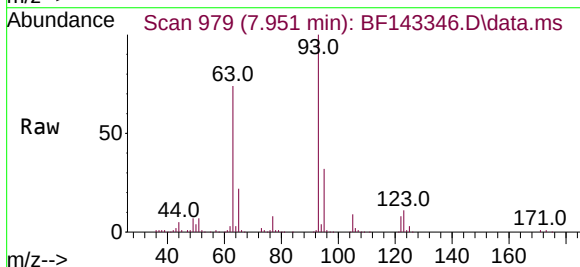
Tgt Ion: 93 Resp: 272180

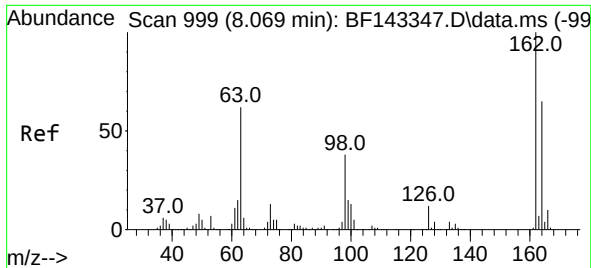
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.4

123 11.4 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 21.380 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.000 min

Lab File: BF143346.D

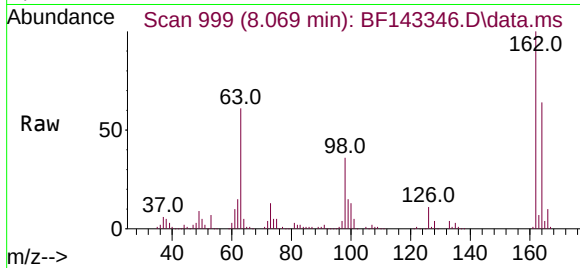
Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC020



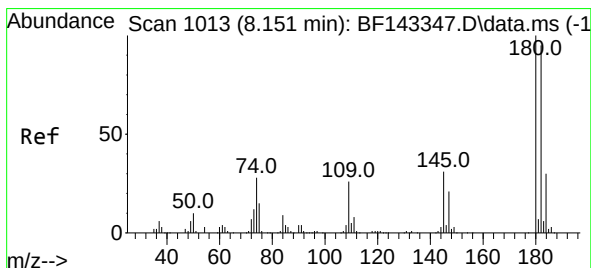
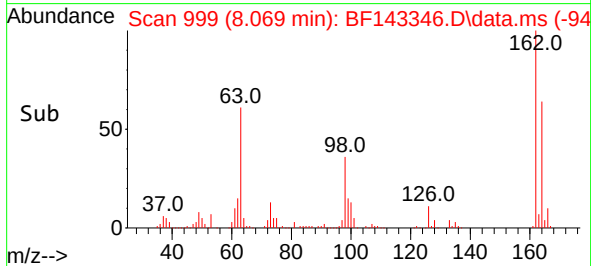
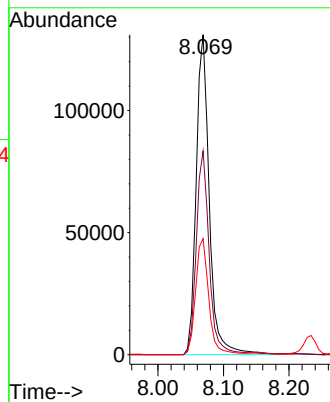
Tgt Ion:162 Resp: 182884

Ion Ratio Lower Upper

162 100

164 63.7 44.5 84.5

98 36.2 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 21.247 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

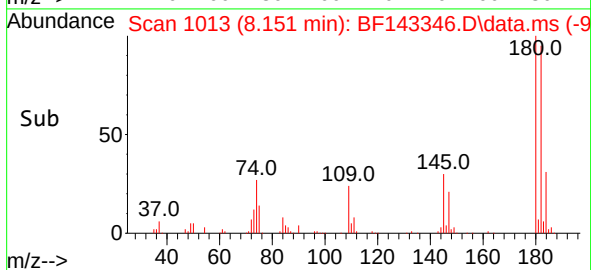
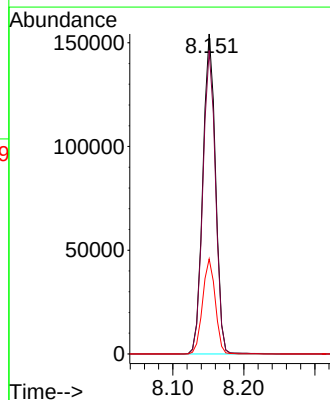
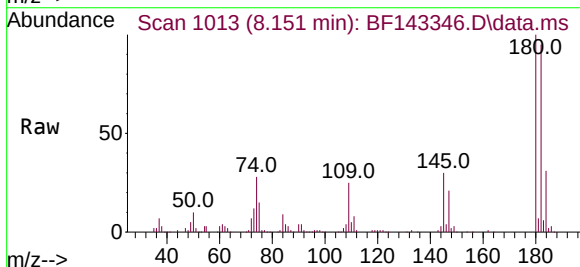
Tgt Ion:180 Resp: 191714

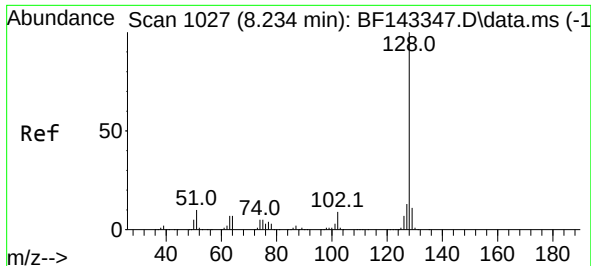
Ion Ratio Lower Upper

180 100

182 94.9 76.1 114.1

145 29.7 24.9 37.3

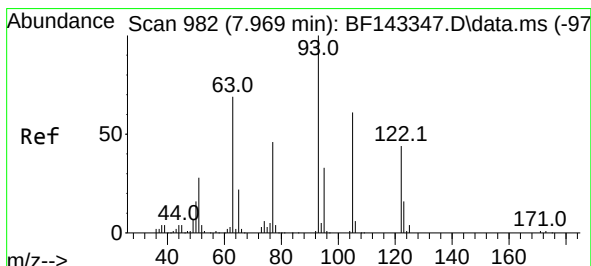
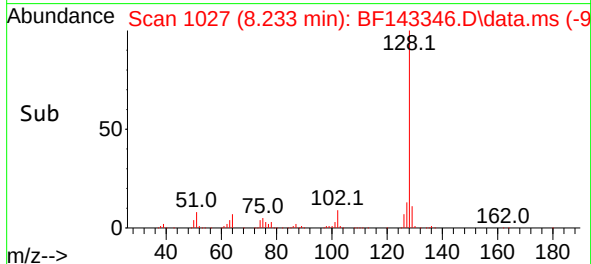
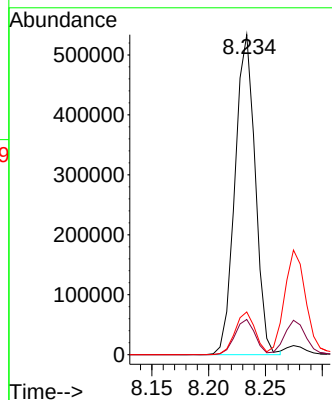
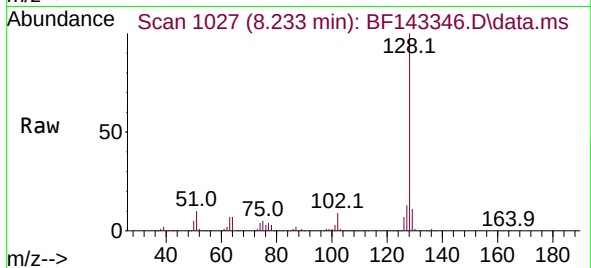




#31
Naphthalene
Concen: 21.378 ng
RT: 8.233 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

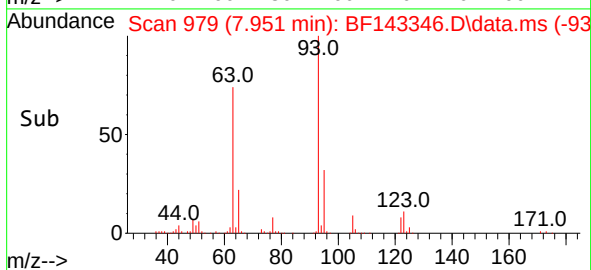
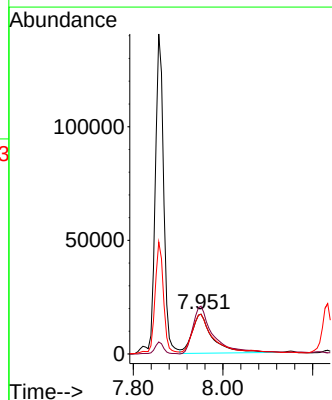
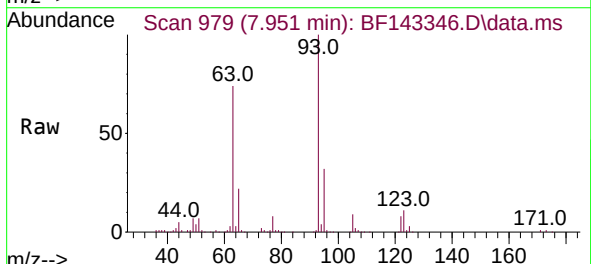
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

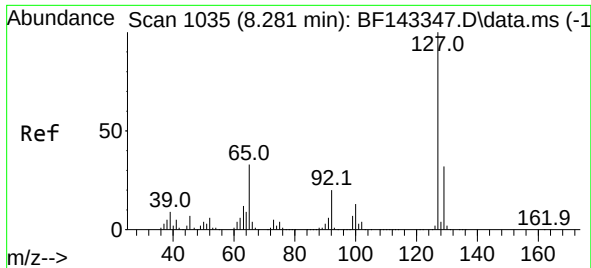
Tgt Ion:128 Resp: 658723
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 19.373 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.018 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:122 Resp: 54709
Ion Ratio Lower Upper
122 100
105 120.0 106.4 146.4
77 99.4 79.2 119.2

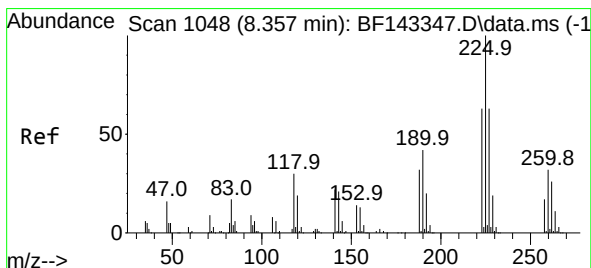
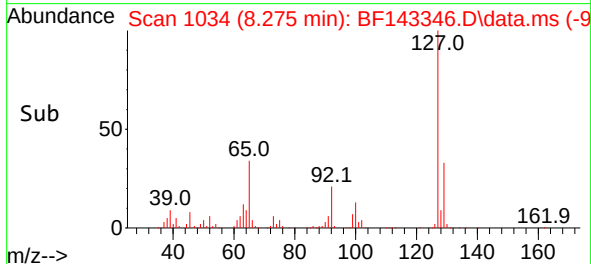
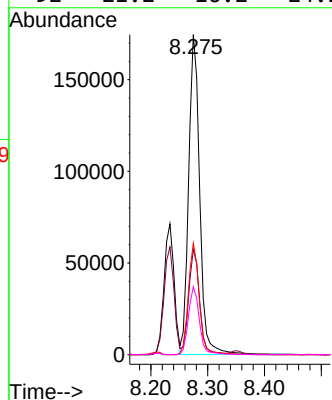
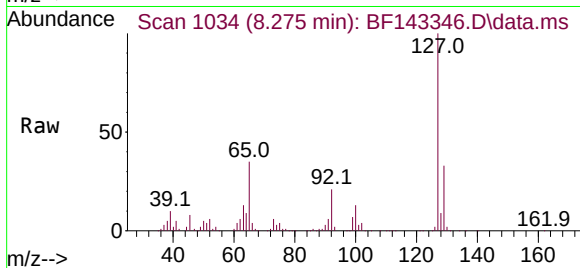




#33
4-Chloroaniline
Concen: 21.152 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

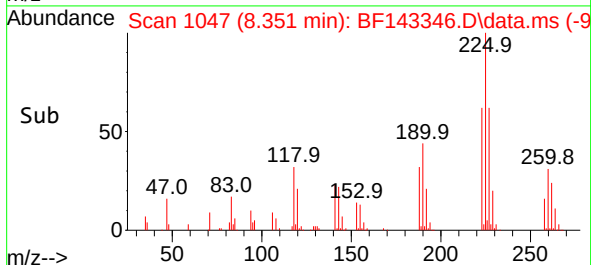
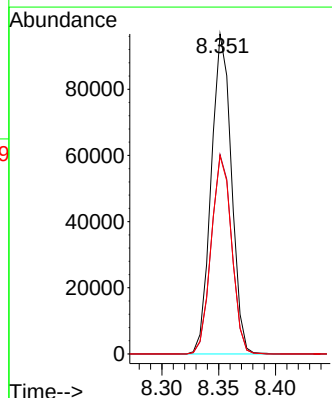
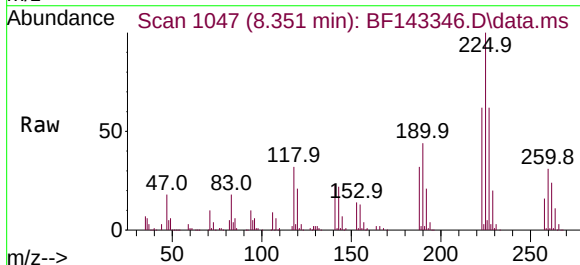
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

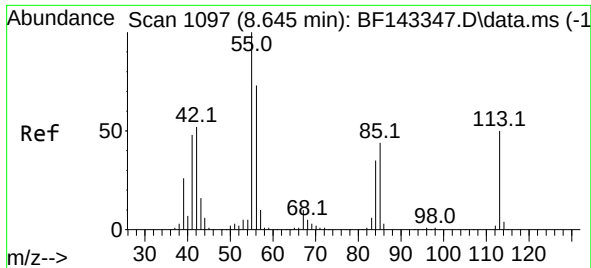
Tgt Ion:	127	Resp:	235075
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	34.8	27.0	40.4
92	21.2	16.2	24.2



#34
Hexachlorobutadiene
Concen: 21.308 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:	225	Resp:	119600
Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.1	75.1
227	61.9	50.6	75.8

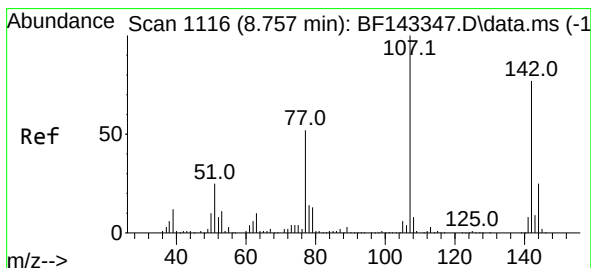
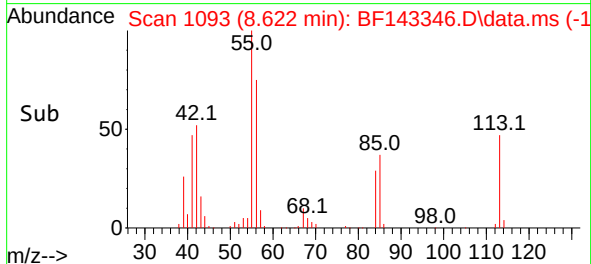
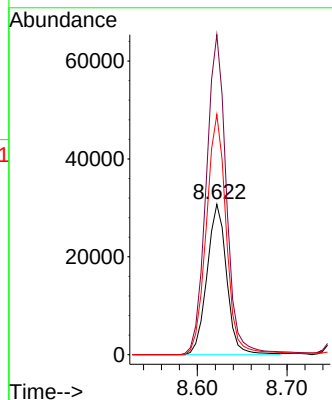
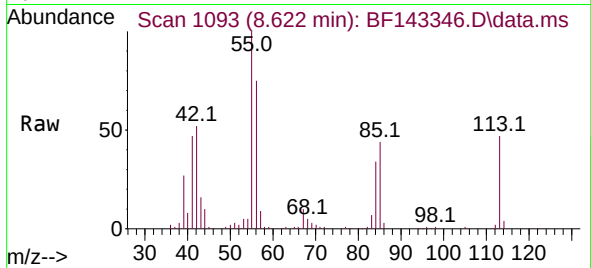




#35
 Caprolactam
 Concen: 19.474 ng
 RT: 8.622 min Scan# 1093
 Delta R.T. -0.024 min
 Lab File: BF143346.D
 Acq: 12 Aug 2025 10:35

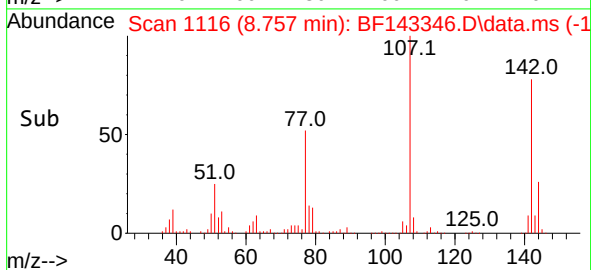
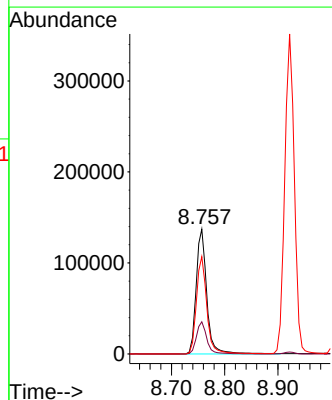
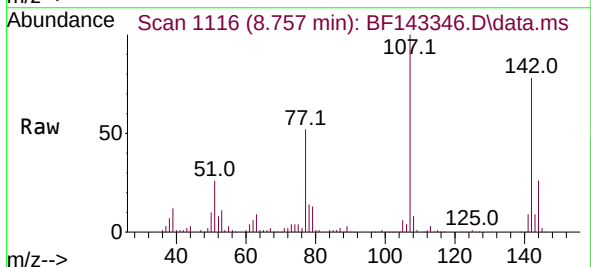
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

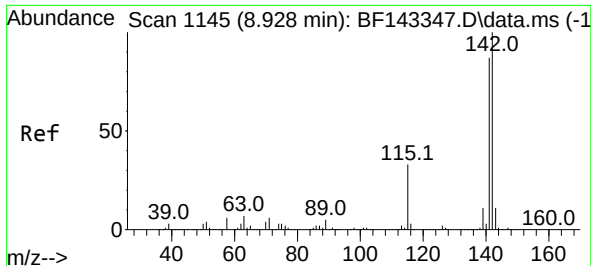
Tgt Ion:113 Resp: 46828
 Ion Ratio Lower Upper
 113 100
 55 212.8 181.4 221.4
 56 159.7 127.3 167.3



#36
 4-Chloro-3-methylphenol
 Concen: 21.148 ng
 RT: 8.757 min Scan# 1116
 Delta R.T. -0.000 min
 Lab File: BF143346.D
 Acq: 12 Aug 2025 10:35

Tgt Ion:107 Resp: 189645
 Ion Ratio Lower Upper
 107 100
 144 25.8 20.0 30.0
 142 78.0 61.3 91.9





#37

2-Methylnaphthalene

Concen: 21.540 ng

RT: 8.922 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

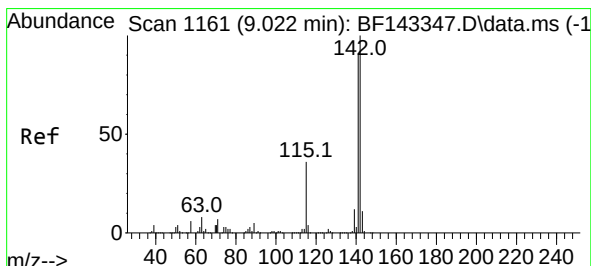
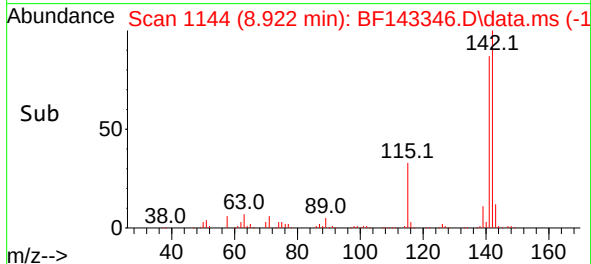
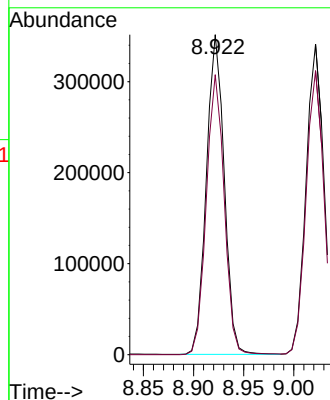
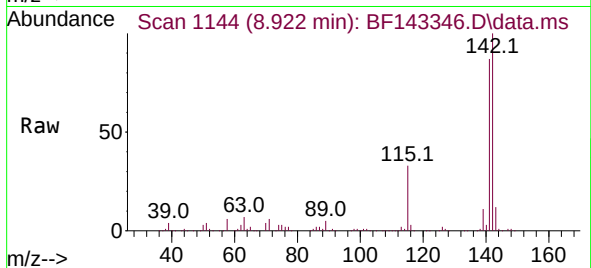
SSTDICC020

Tgt Ion:142 Resp: 436344

Ion Ratio Lower Upper

142 100

141 87.5 69.8 104.8



#38

1-Methylnaphthalene

Concen: 21.421 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF143346.D

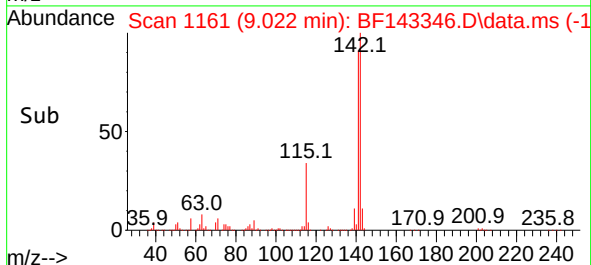
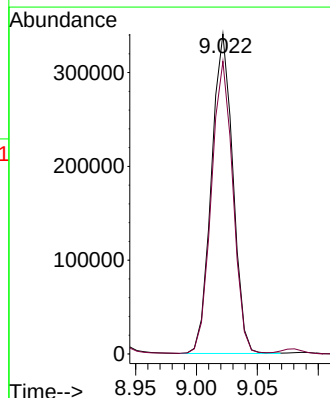
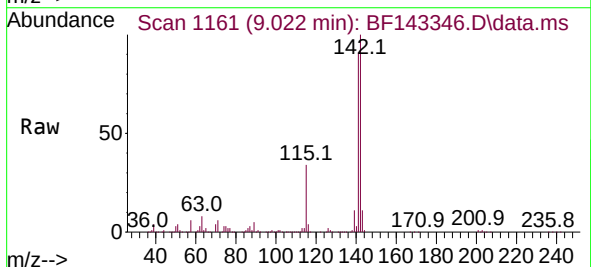
Acq: 12 Aug 2025 10:35

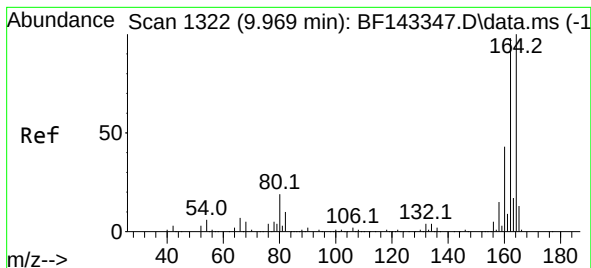
Tgt Ion:142 Resp: 417915

Ion Ratio Lower Upper

142 100

141 91.5 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

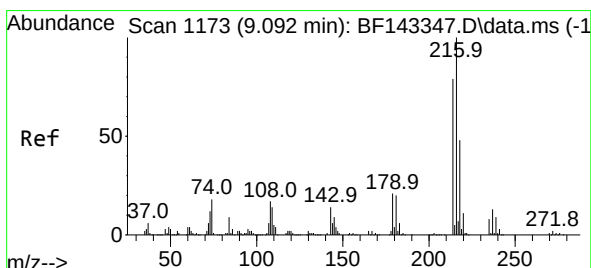
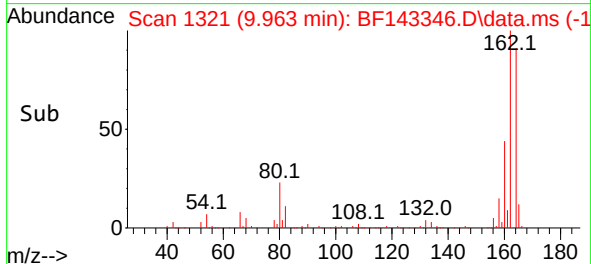
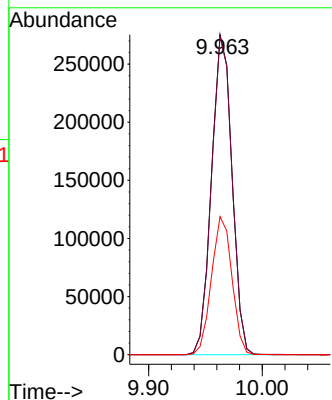
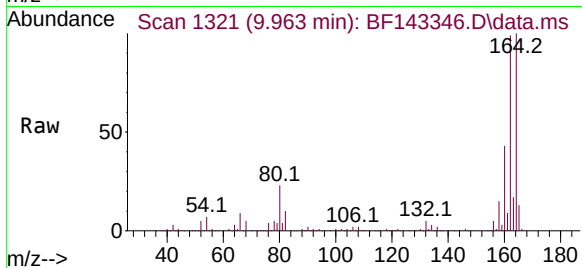
Tgt Ion:164 Resp: 345152

Ion Ratio Lower Upper

164 100

162 99.4 78.6 118.0

160 43.2 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.001 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Tgt Ion:216 Resp: 198354

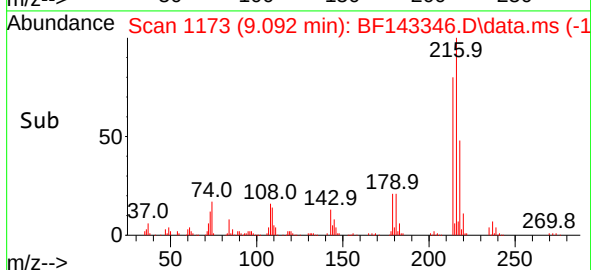
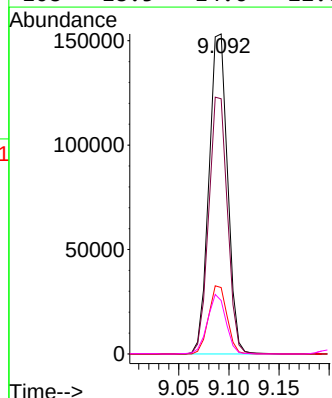
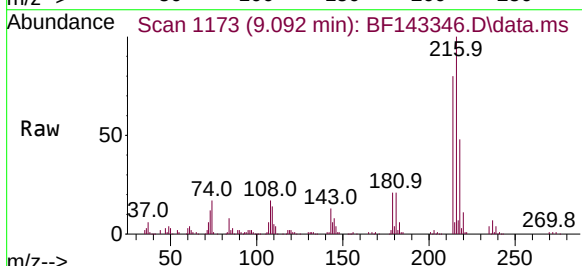
Ion Ratio Lower Upper

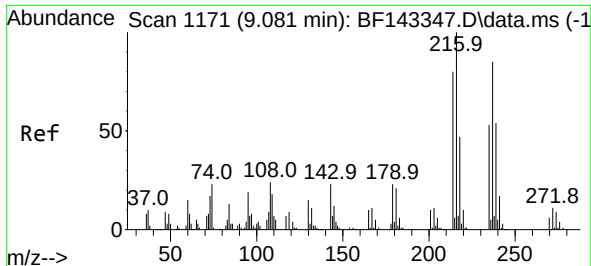
216 100

214 80.4 63.0 94.4

179 21.0 17.0 25.4

108 18.5 14.6 22.0

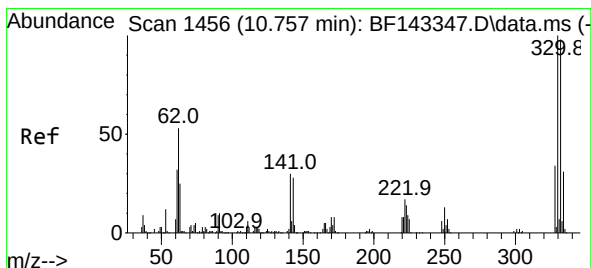
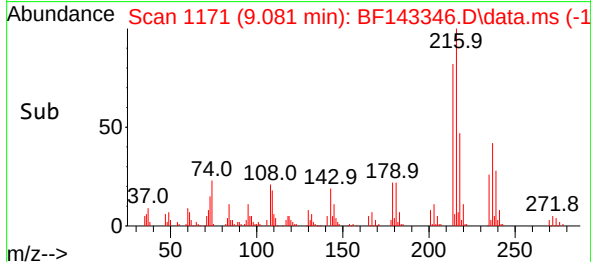
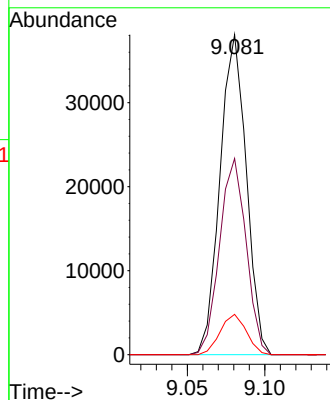
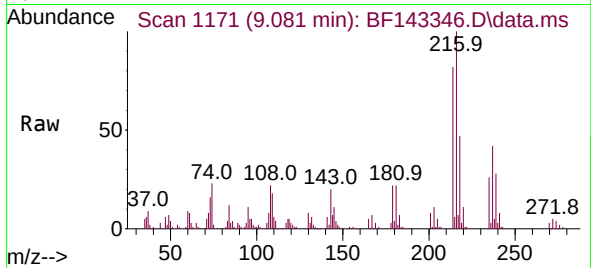




#41
Hexachlorocyclopentadiene
Concen: 19.003 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

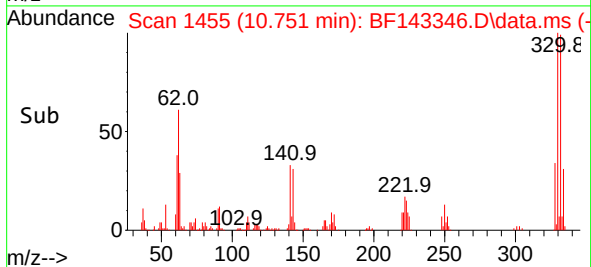
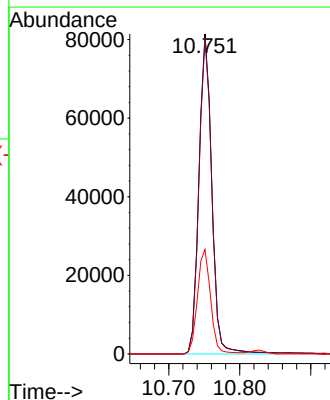
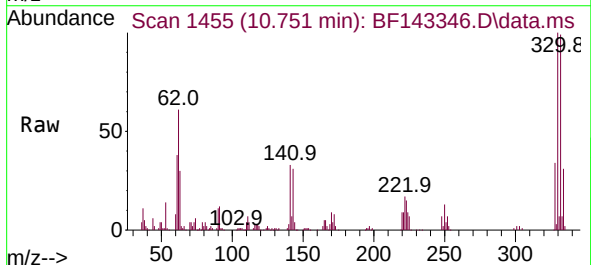
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

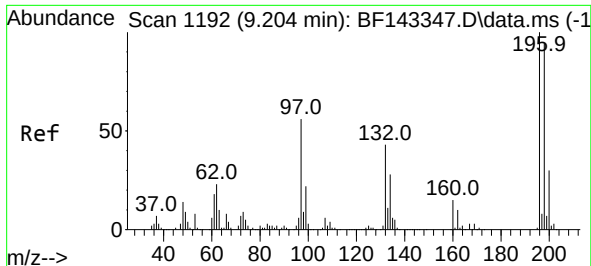
Tgt Ion:	237	Resp:	44965
Ion Ratio	Lower	Upper	
237	100		
235	61.3	42.0	82.0
272	12.6	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 40.847 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:	330	Resp:	103035
Ion Ratio	Lower	Upper	
330	100		
332	98.7	78.1	117.1
141	33.2	25.4	38.0





#43

2,4,6-Trichlorophenol

Concen: 20.378 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF143346.D

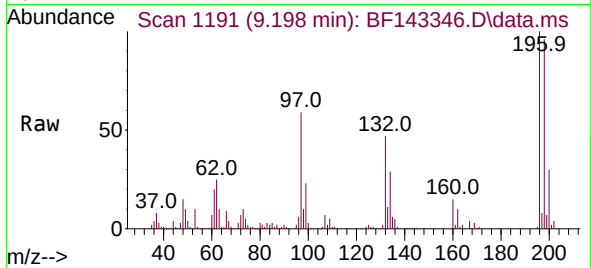
Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



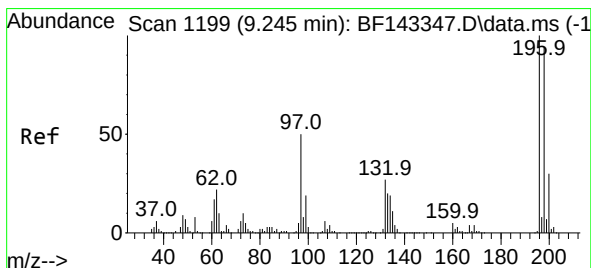
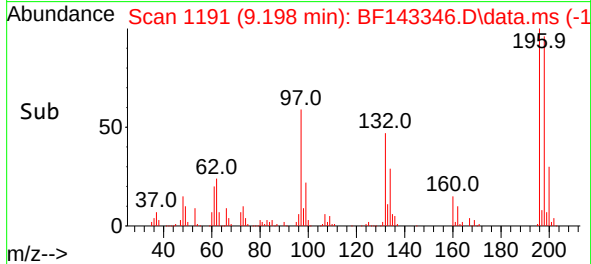
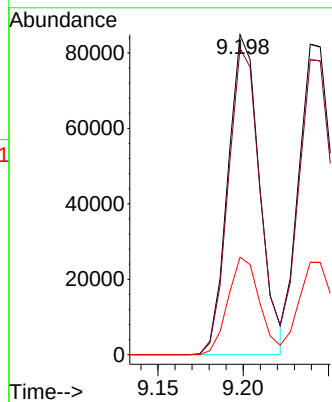
Tgt Ion:196 Resp: 109203

Ion Ratio Lower Upper

196 100

198 95.7 75.4 113.0

200 30.4 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 20.892 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Tgt Ion:196 Resp: 126432

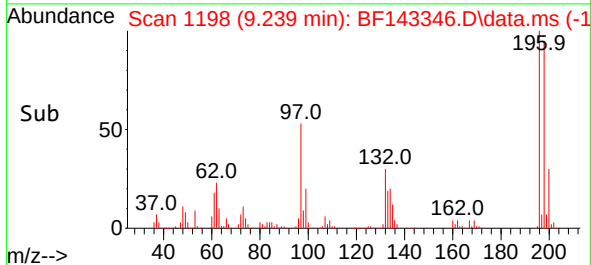
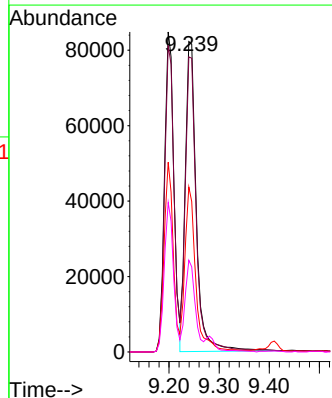
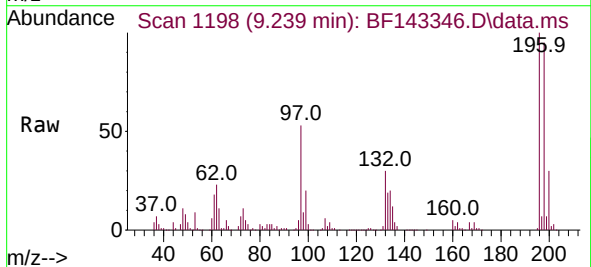
Ion Ratio Lower Upper

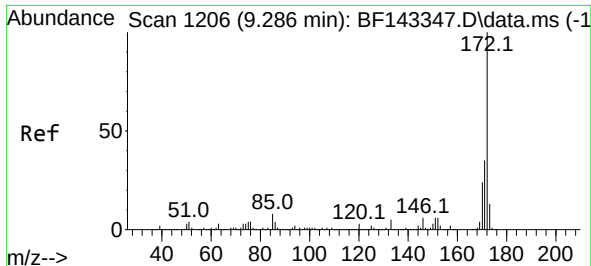
196 100

198 95.1 75.4 113.2

97 53.1 39.9 59.9

132 29.5 22.6 33.8

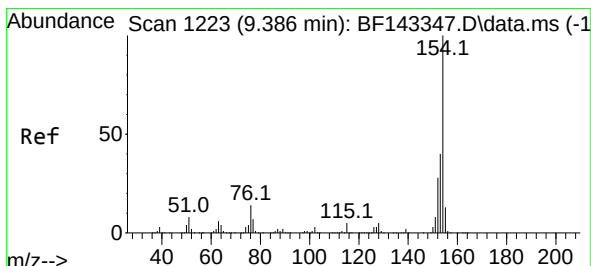
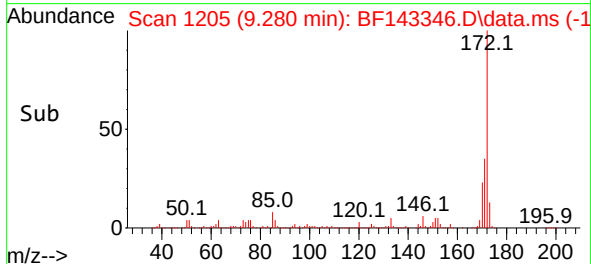
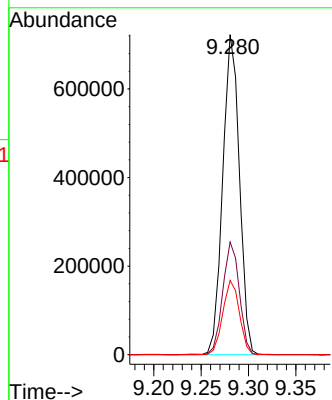
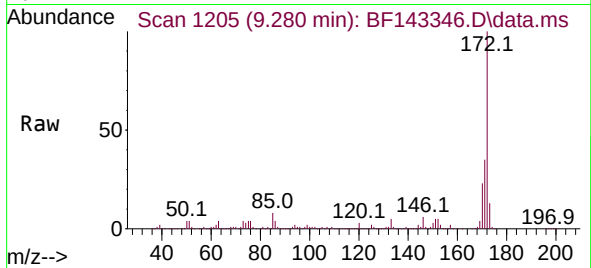




#45
2-Fluorobiphenyl
Concen: 43.569 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

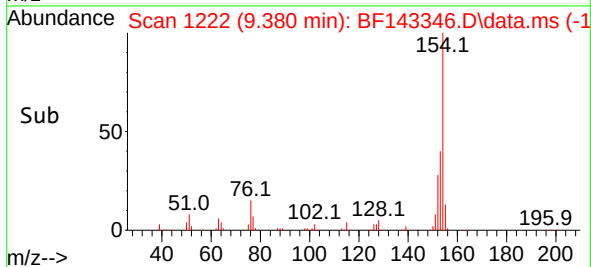
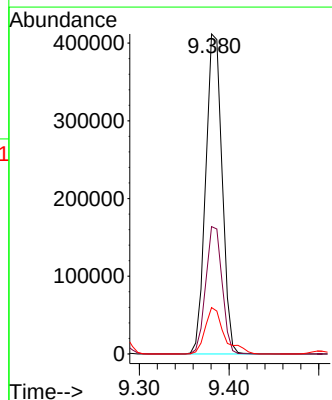
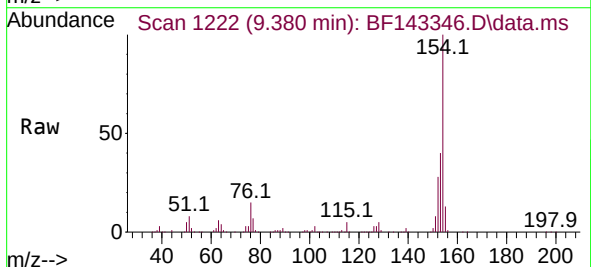
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

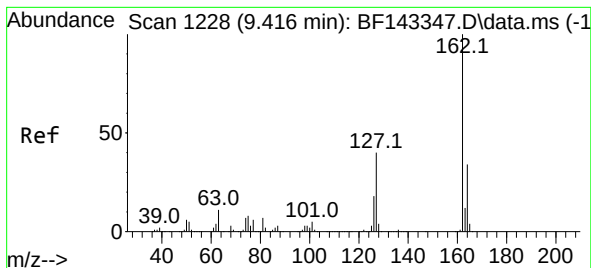
Tgt Ion:172 Resp: 886799
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.2 19.1 28.7



#46
1,1'-Biphenyl
Concen: 21.447 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:154 Resp: 523392
Ion Ratio Lower Upper
154 100
153 39.8 20.2 60.2
76 14.5 0.0 34.4





#47

2-Chloronaphthalene

Concen: 21.196 ng

RT: 9.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

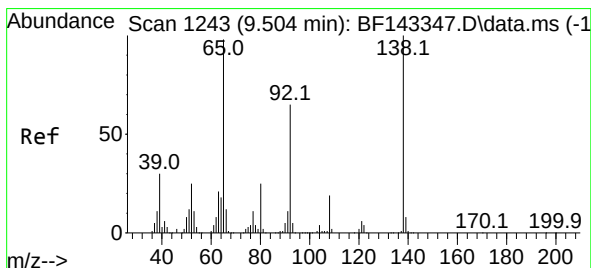
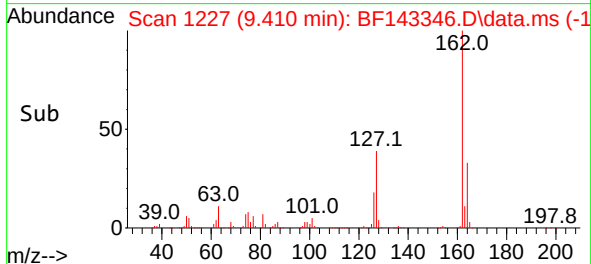
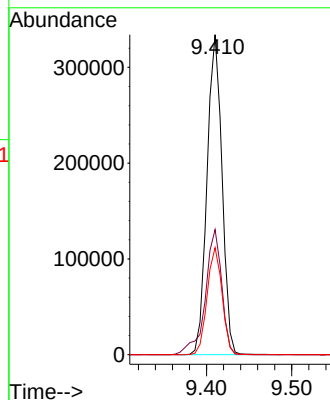
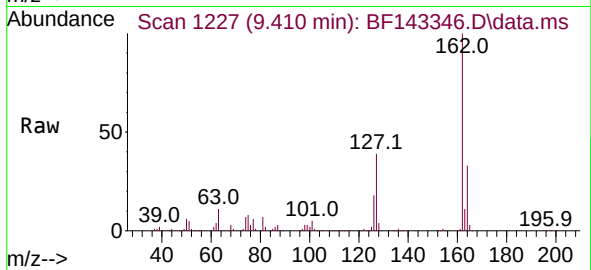
Tgt Ion:162 Resp: 407385

Ion Ratio Lower Upper

162 100

127 39.1 32.1 48.1

164 33.4 27.0 40.4



#48

2-Nitroaniline

Concen: 19.121 ng

RT: 9.498 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

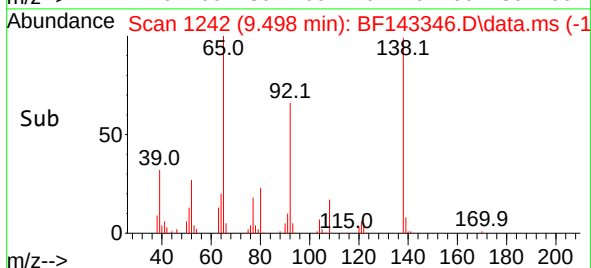
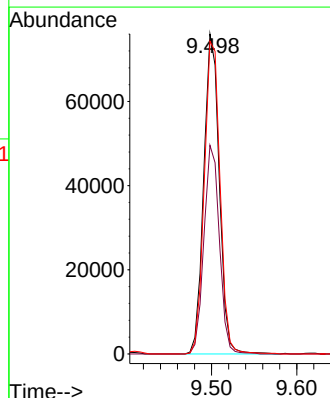
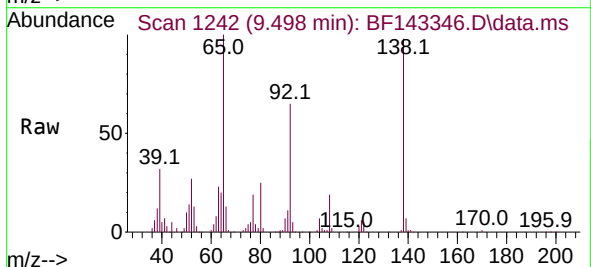
Tgt Ion: 65 Resp: 96206

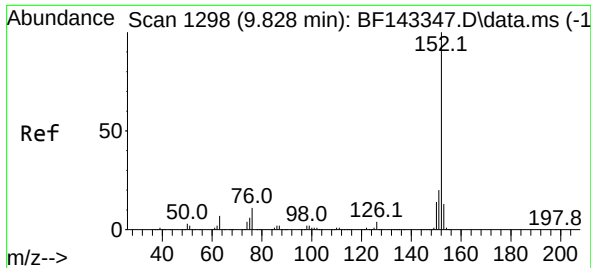
Ion Ratio Lower Upper

65 100

92 65.2 53.1 79.7

138 97.7 81.4 122.0





#49

Acenaphthylene

Concen: 21.374 ng

RT: 9.828 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

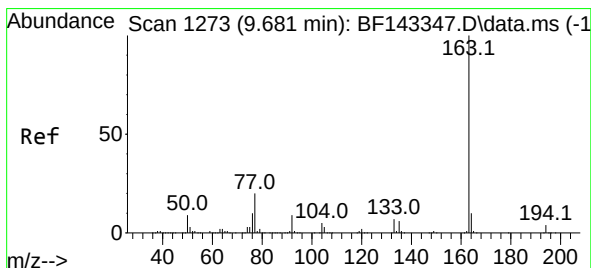
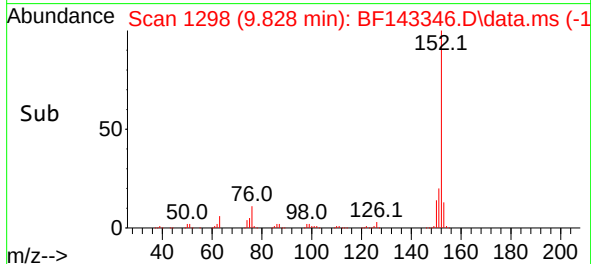
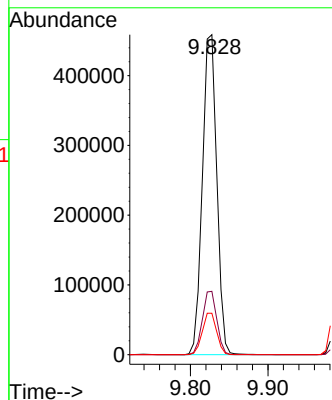
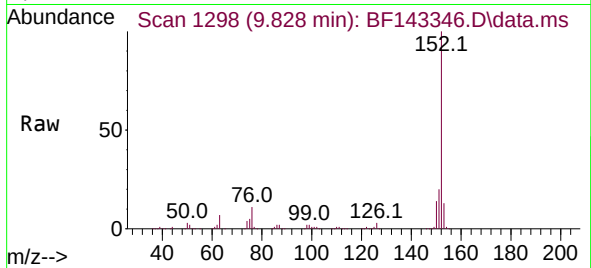
Tgt Ion:152 Resp: 593246

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

153 13.0 10.6 16.0



#50

Dimethylphthalate

Concen: 21.297 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

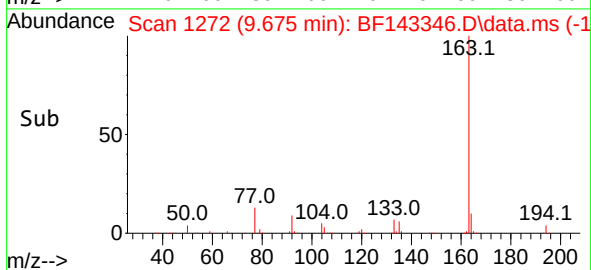
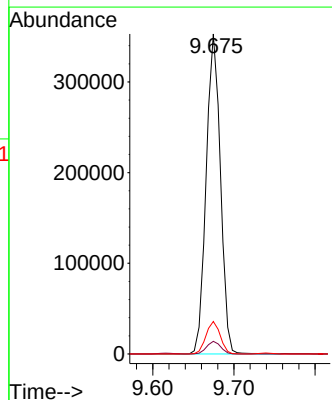
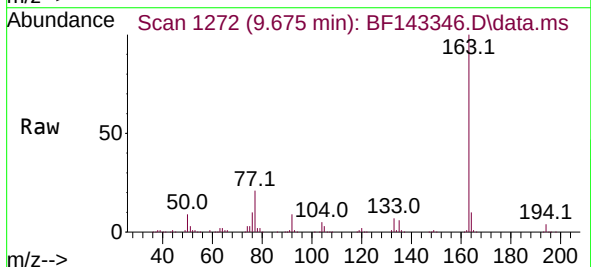
Tgt Ion:163 Resp: 429516

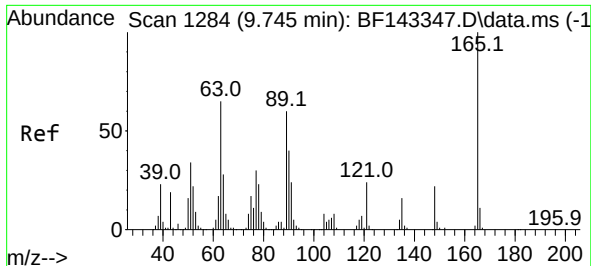
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 10.1 8.2 12.2

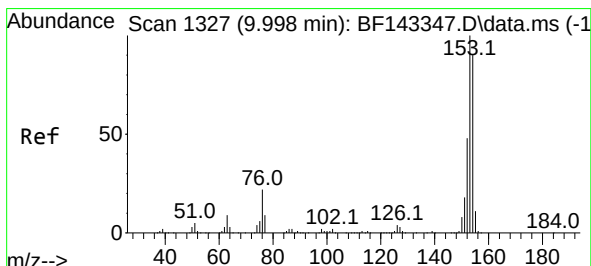
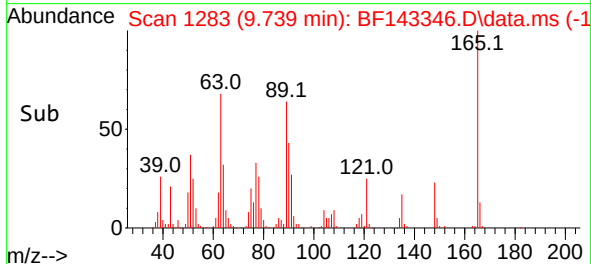
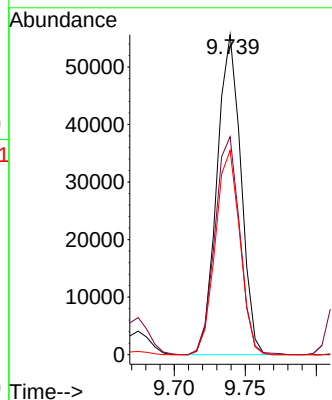
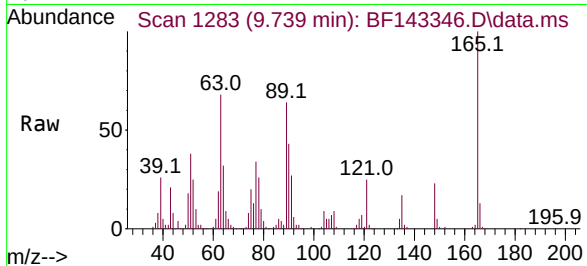




#51
2,6-Dinitrotoluene
Concen: 18.954 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

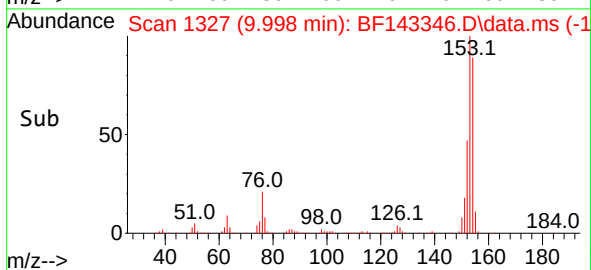
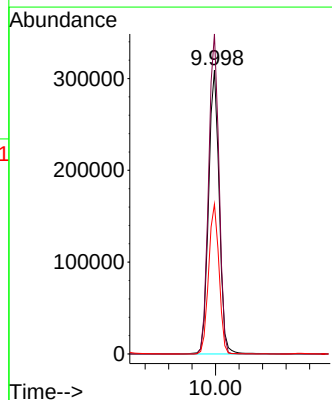
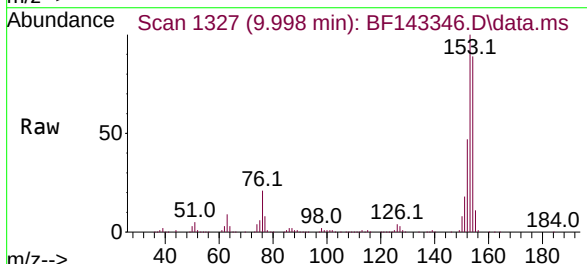
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

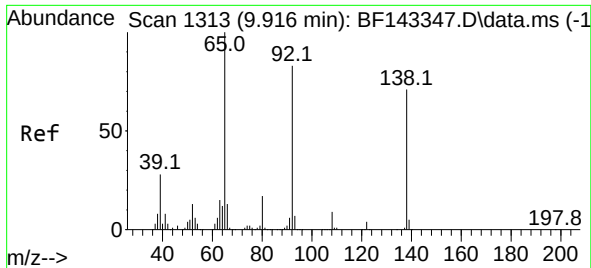
Tgt Ion:165 Resp: 65043
Ion Ratio Lower Upper
165 100
63 68.1 51.6 77.4
89 63.9 47.7 71.5



#52
Acenaphthene
Concen: 20.959 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:154 Resp: 386752
Ion Ratio Lower Upper
154 100
153 112.8 88.5 132.7
152 52.8 42.4 63.6

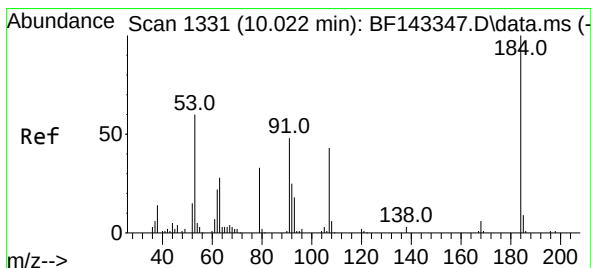
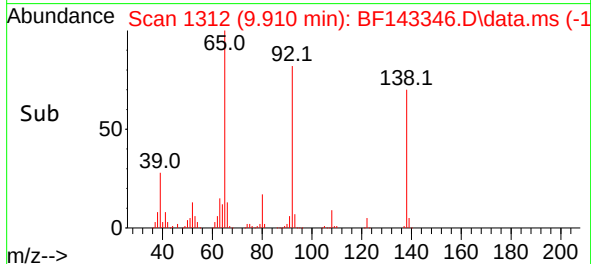
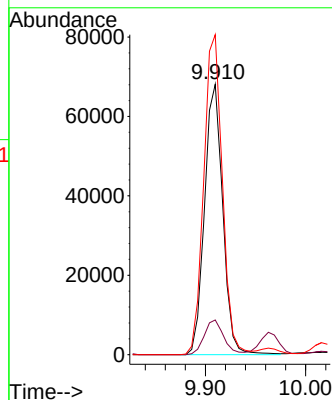
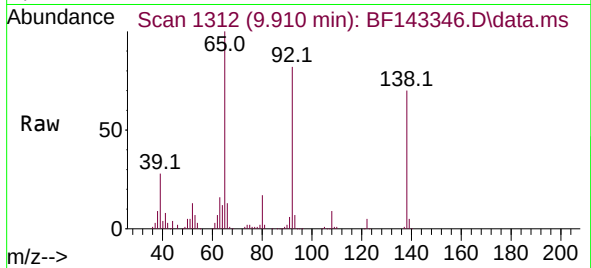




#53
3-Nitroaniline
Concen: 20.928 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

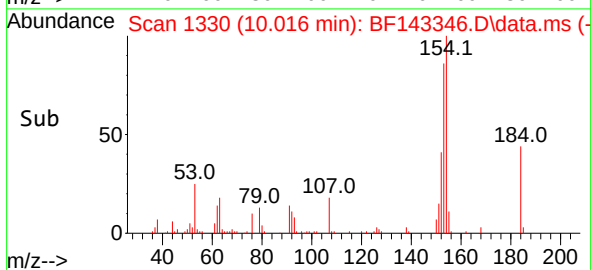
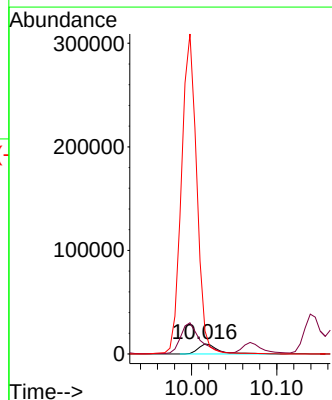
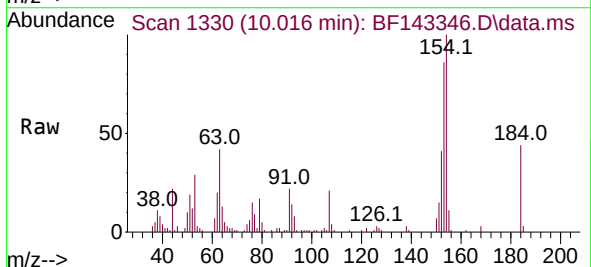
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

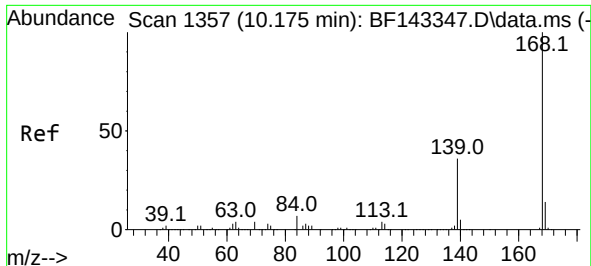
Tgt Ion:138 Resp: 86436
Ion Ratio Lower Upper
138 100
108 12.9 9.6 14.4
92 118.3 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 19.272 ng
RT: 10.016 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:184 Resp: 15765
Ion Ratio Lower Upper
184 100
63 95.6 62.5 93.7#
154 228.4 73.0 109.4#

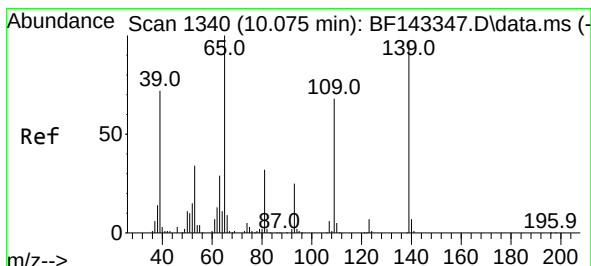
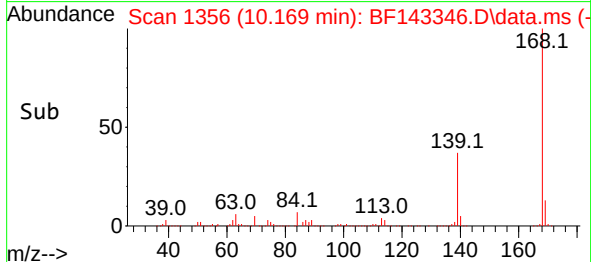
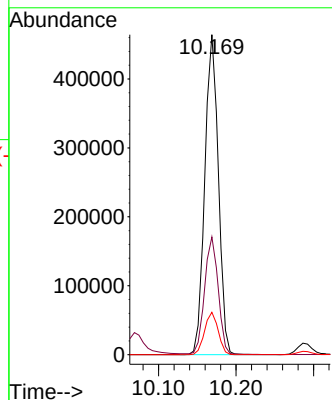
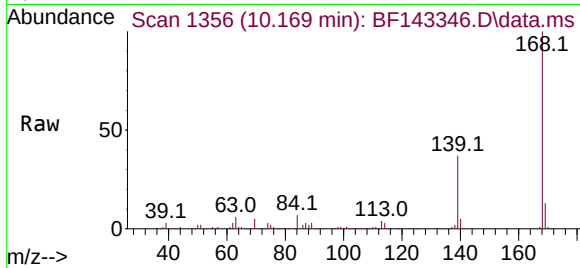




#55
Dibenzenofuran
Concen: 21.238 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

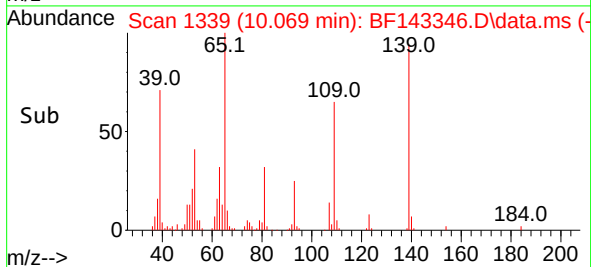
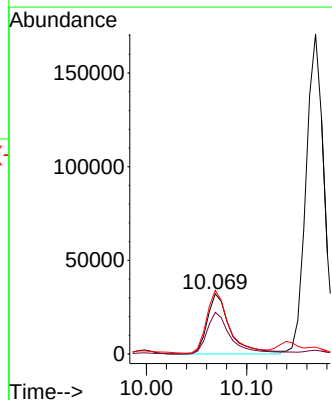
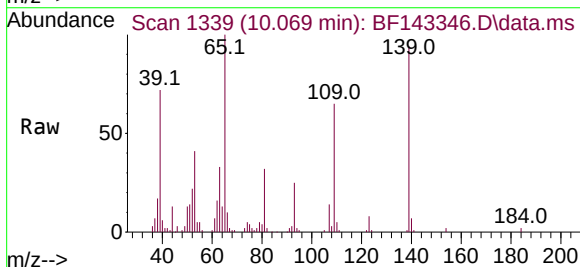
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

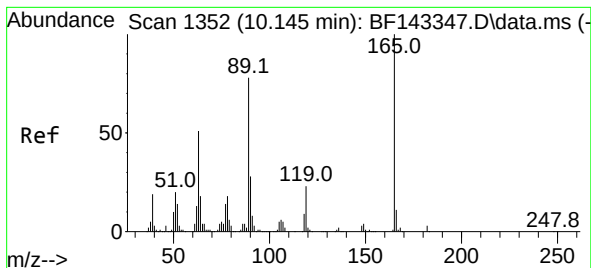
Tgt Ion:168 Resp: 564025
Ion Ratio Lower Upper
168 100
139 36.8 29.4 44.0
169 13.3 11.0 16.6



#56
4-Nitrophenol
Concen: 19.809 ng
RT: 10.069 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:139 Resp: 50785
Ion Ratio Lower Upper
139 100
109 69.3 49.4 89.4
65 105.9 83.7 123.7

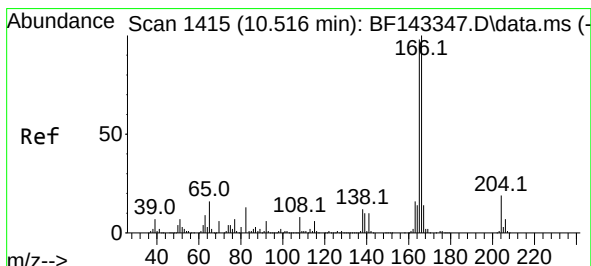
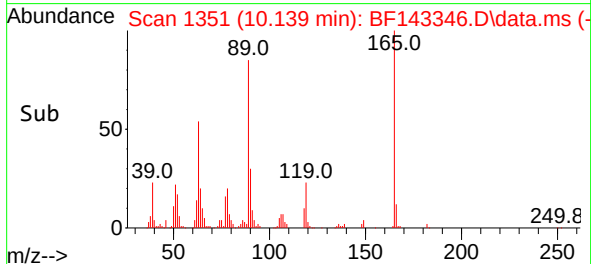
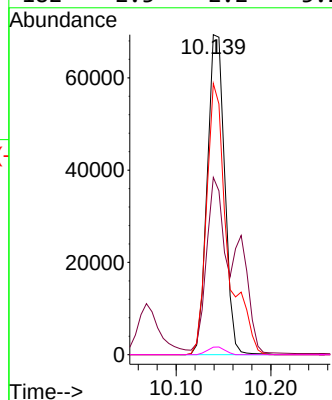
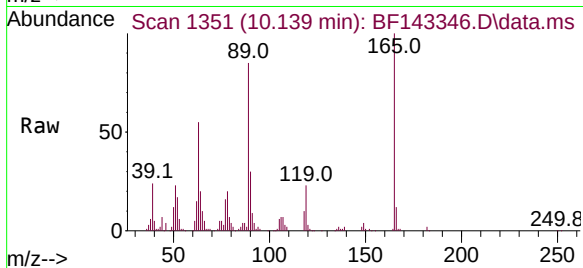




#57
2,4-Dinitrotoluene
Concen: 19.432 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

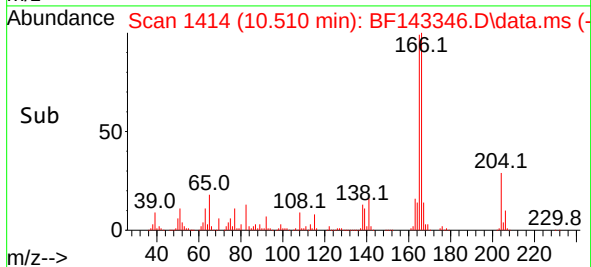
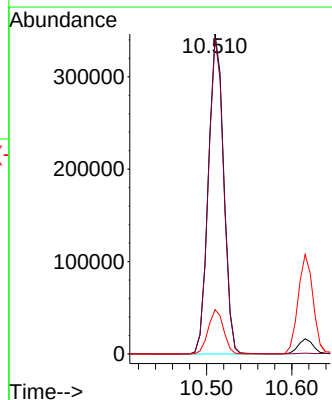
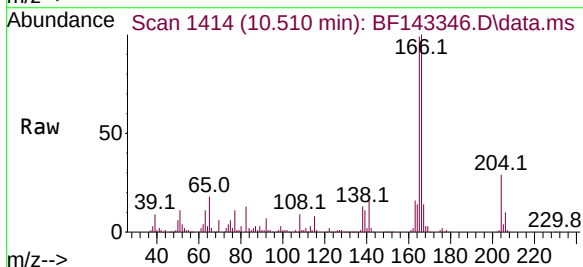
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

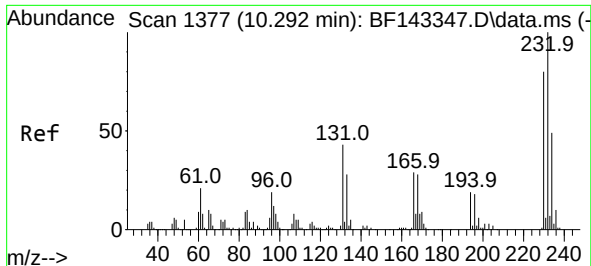
Tgt Ion:	165	Resp:	88718
Ion	Ratio	Lower	Upper
165	100		
63	55.4	41.8	62.8
89	84.8	62.4	93.6
182	2.3	2.2	3.2



#58
Fluorene
Concen: 21.289 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

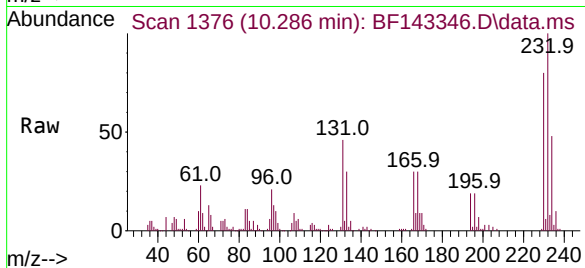
Tgt Ion:	166	Resp:	431847
Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.4
167	13.9	10.9	16.3



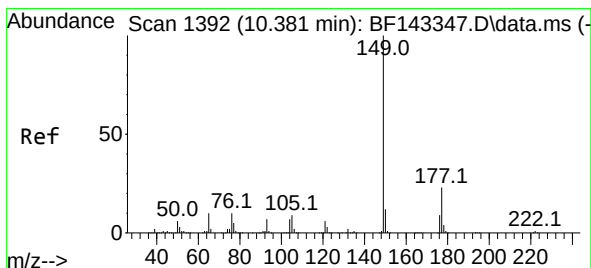
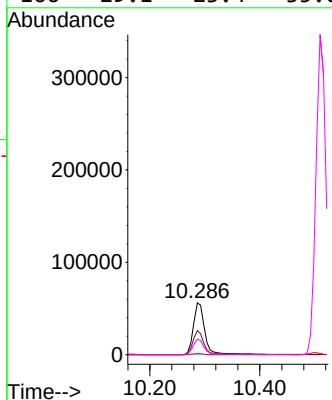
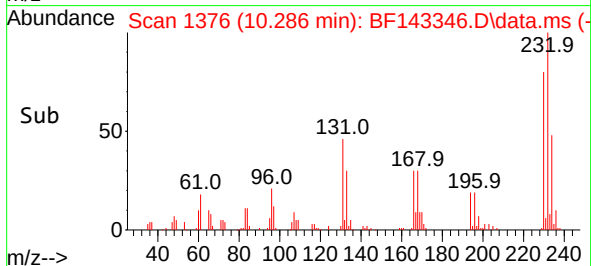


#59
2,3,4,6-Tetrachlorophenol
Concen: 19.975 ng
RT: 10.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

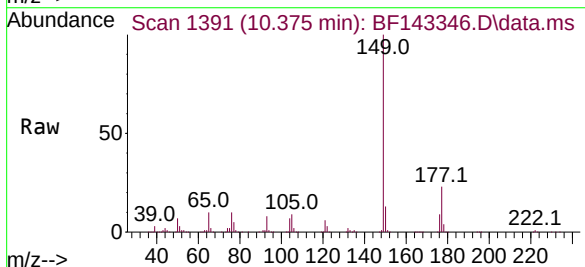
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



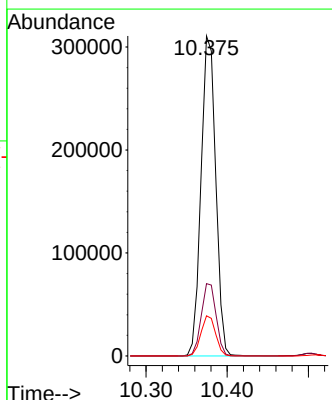
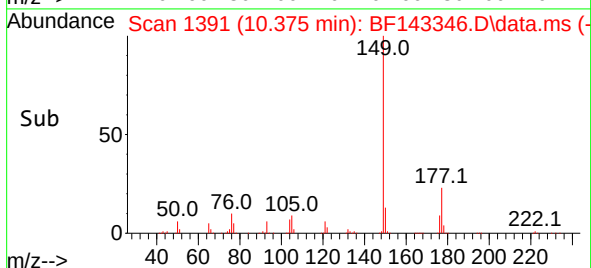
Tgt Ion:232 Resp: 81483
Ion Ratio Lower Upper
232 100
131 43.9 34.6 51.8
130 1.9 1.7 2.5
166 29.1 23.4 35.0

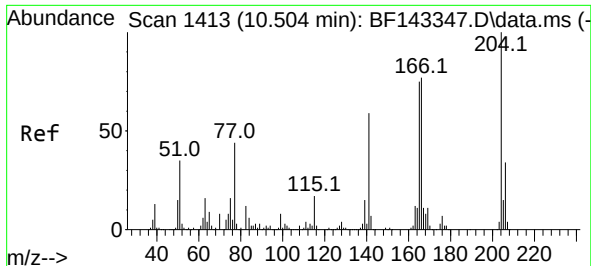


#60
Diethylphthalate
Concen: 21.624 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35



Tgt Ion:149 Resp: 390634
Ion Ratio Lower Upper
149 100
177 22.6 18.2 27.2
150 12.6 9.9 14.9

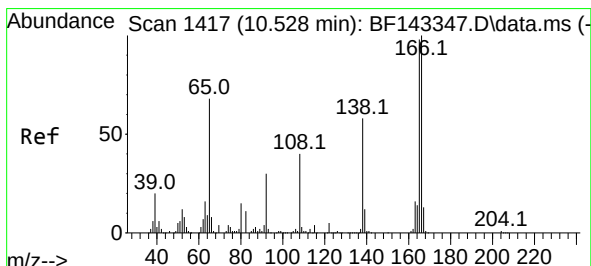
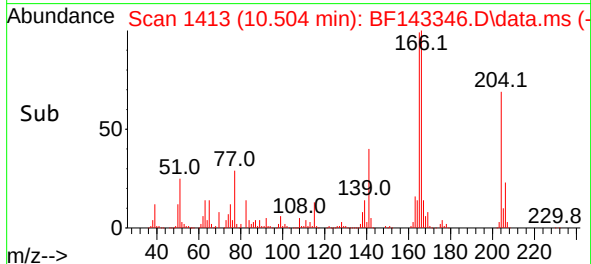
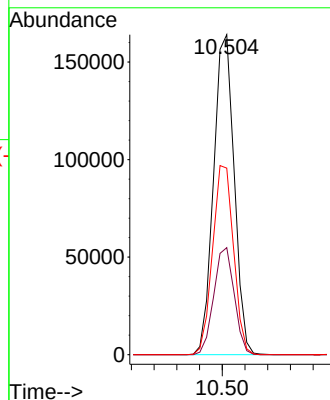
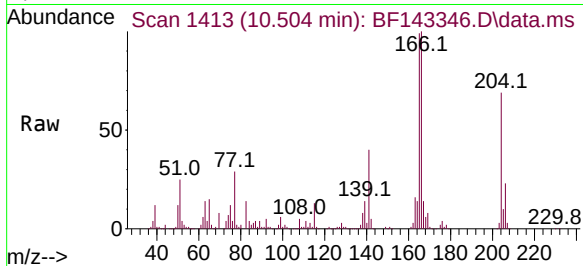




#61
4-Chlorophenyl-phenylether
Concen: 21.124 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

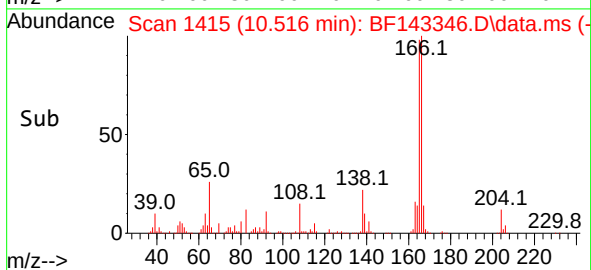
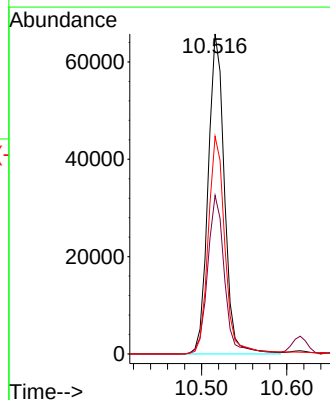
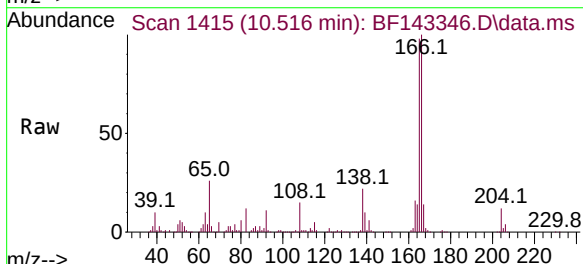
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

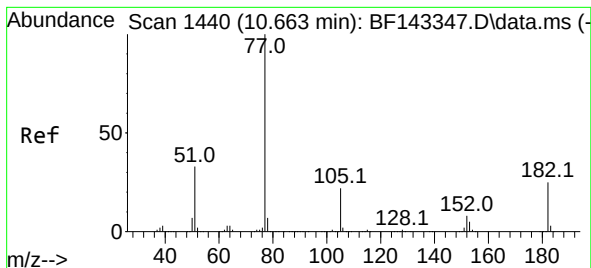
Tgt Ion:204 Resp: 207053
Ion Ratio Lower Upper
204 100
206 33.5 27.4 41.2
141 58.3 46.9 70.3



#62
4-Nitroaniline
Concen: 21.864 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:138 Resp: 87370
Ion Ratio Lower Upper
138 100
92 49.5 31.2 71.2
108 68.0 48.1 88.1

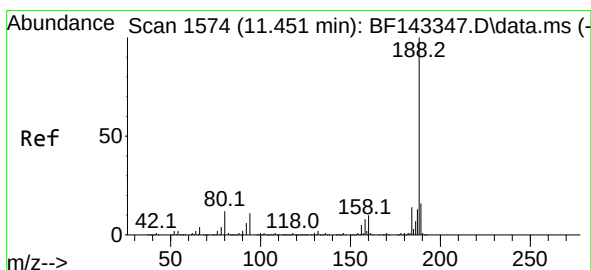
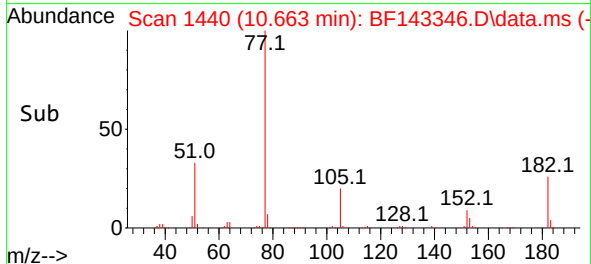
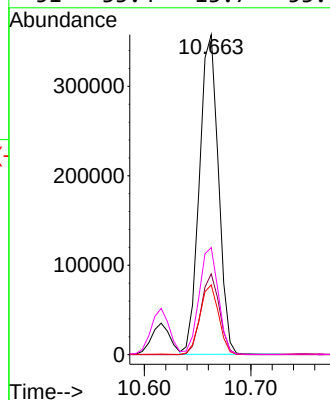
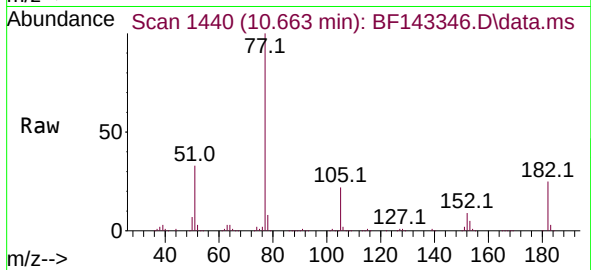




#63
Azobenzene
Concen: 21.493 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

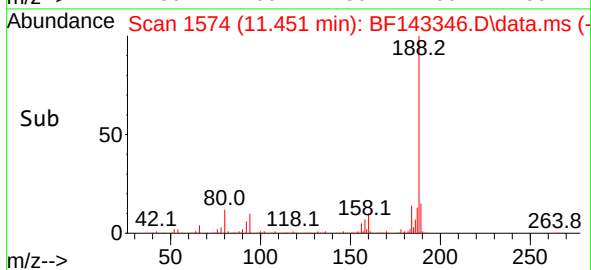
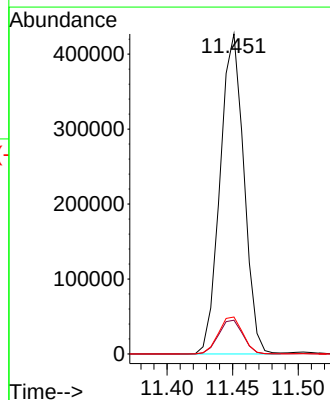
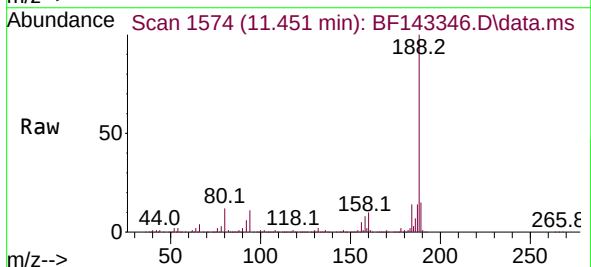
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

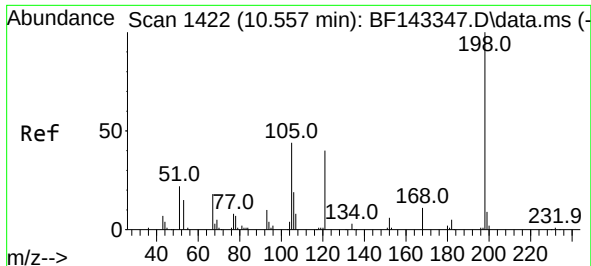
Tgt Ion: 77	Resp: 443476
Ion Ratio	Lower Upper
77 100	
182 25.3	4.4 44.4
105 21.8	1.8 41.8
51 33.4	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:188	Resp: 538915
Ion Ratio	Lower Upper
188 100	
94 10.6	8.8 13.2
80 11.6	9.7 14.5

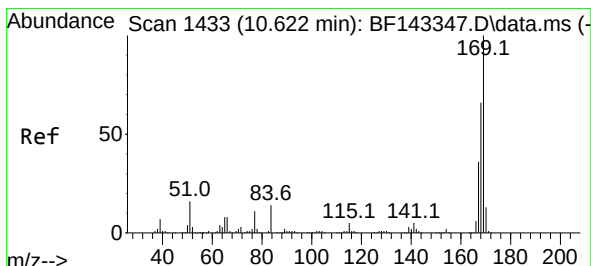
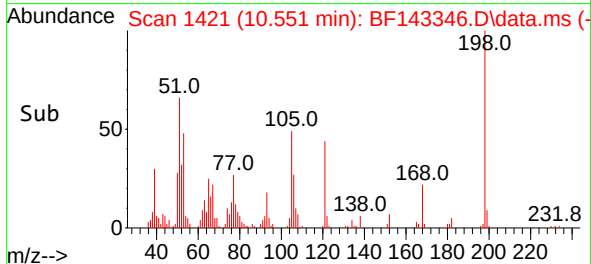
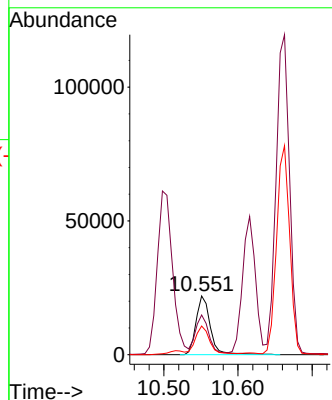
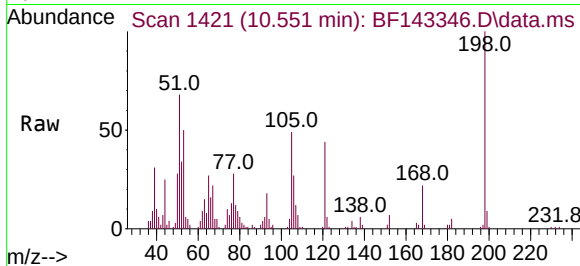




#65
4,6-Dinitro-2-methylphenol
Concen: 18.676 ng
RT: 10.551 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

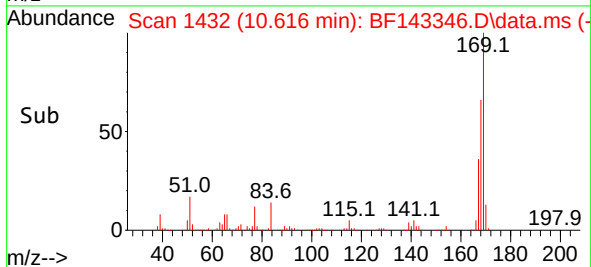
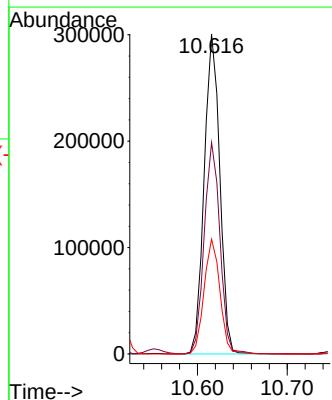
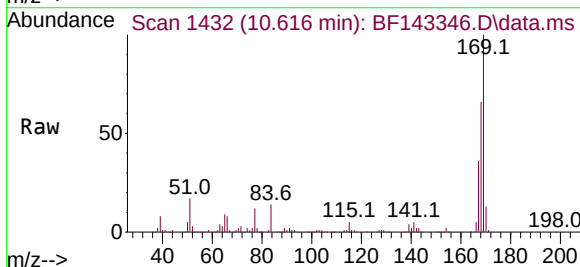
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

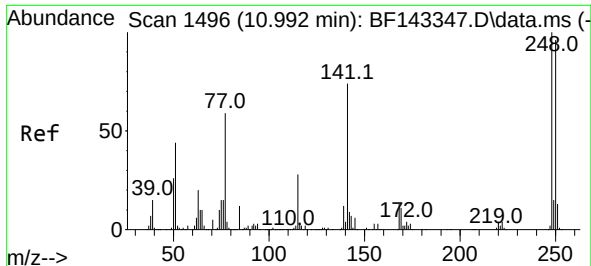
Tgt Ion:198 Resp: 29324
Ion Ratio Lower Upper
198 100
51 67.6 41.7 81.7
105 48.9 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 20.469 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:169 Resp: 363227
Ion Ratio Lower Upper
169 100
168 66.1 52.7 79.1
167 35.8 28.6 42.8

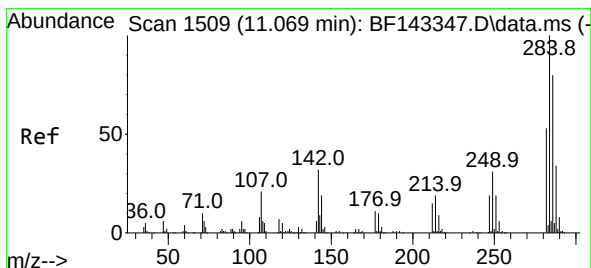
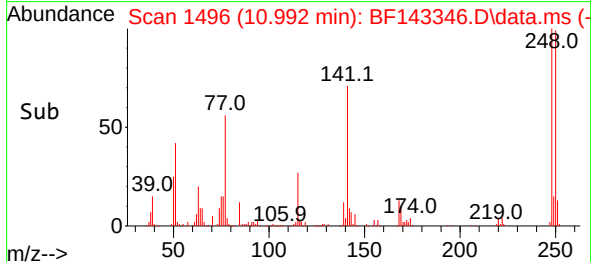
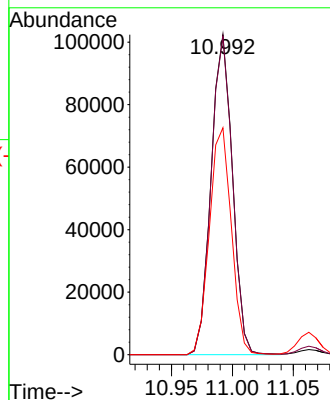
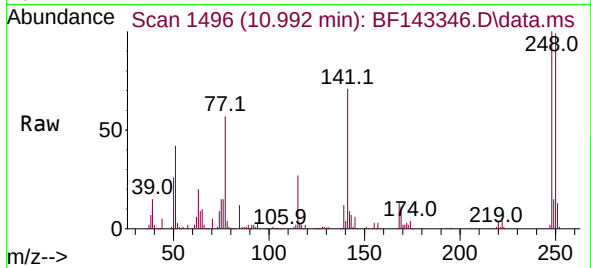




#67
4-Bromophenyl-phenylether
Concen: 20.293 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

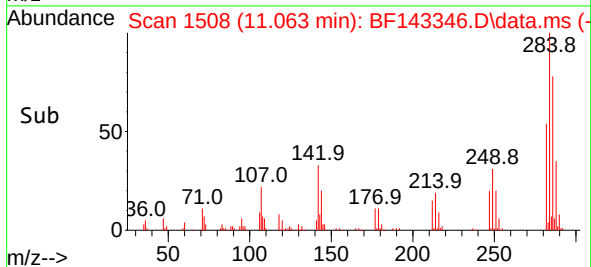
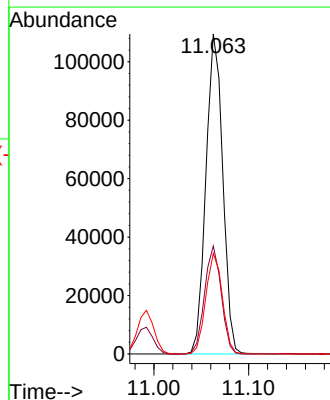
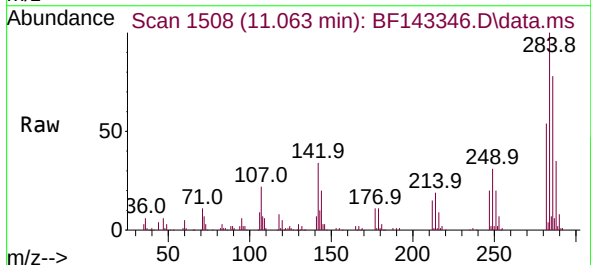
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

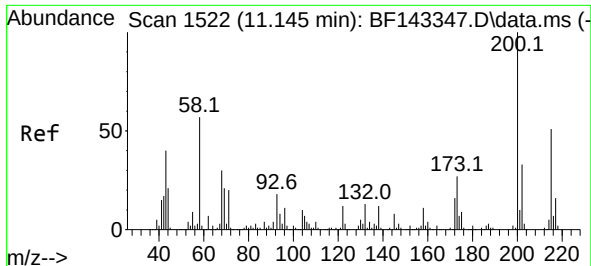
Tgt Ion:248 Resp: 125072
Ion Ratio Lower Upper
248 100
250 99.5 77.1 115.7
141 70.9 59.1 88.7



#68
Hexachlorobenzene
Concen: 20.290 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:284 Resp: 134796
Ion Ratio Lower Upper
284 100
142 33.8 25.7 38.5
249 31.4 24.6 37.0

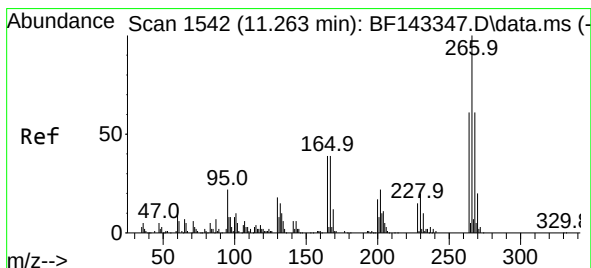
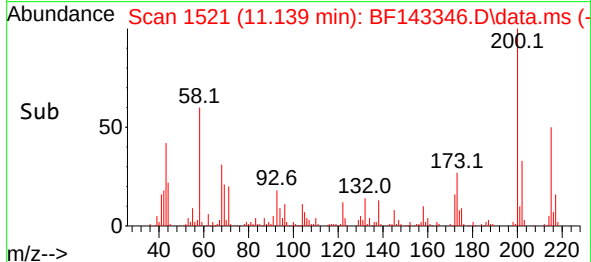
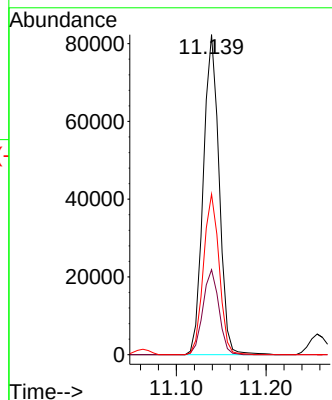
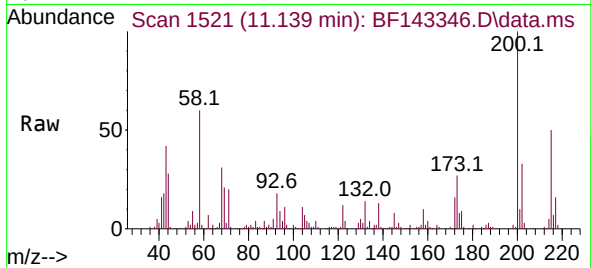




#69
 Atrazine
 Concen: 21.725 ng
 RT: 11.139 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143346.D
 Acq: 12 Aug 2025 10:35

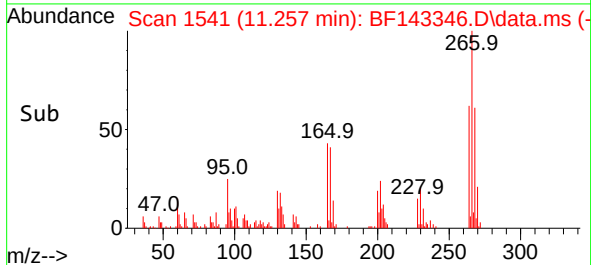
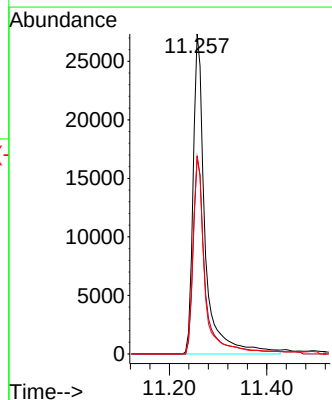
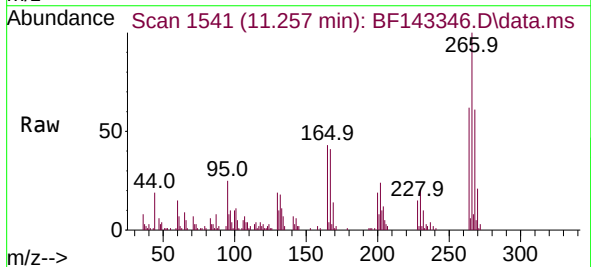
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

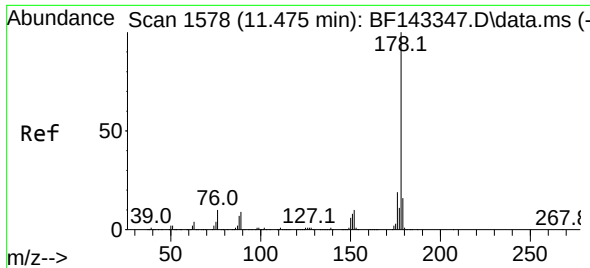
Tgt Ion:200 Resp: 100549
 Ion Ratio Lower Upper
 200 100
 173 26.5 6.6 46.6
 215 50.1 30.6 70.6



#70
 Pentachlorophenol
 Concen: 19.347 ng
 RT: 11.257 min Scan# 1541
 Delta R.T. -0.006 min
 Lab File: BF143346.D
 Acq: 12 Aug 2025 10:35

Tgt Ion:266 Resp: 47147
 Ion Ratio Lower Upper
 266 100
 268 61.5 48.8 73.2
 264 61.9 48.8 73.2

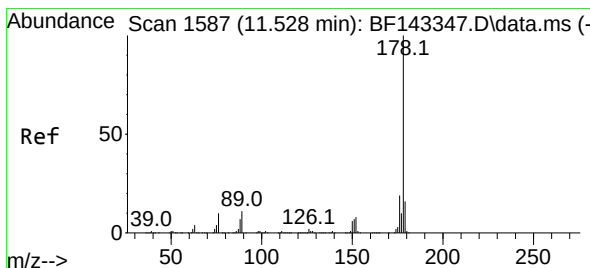
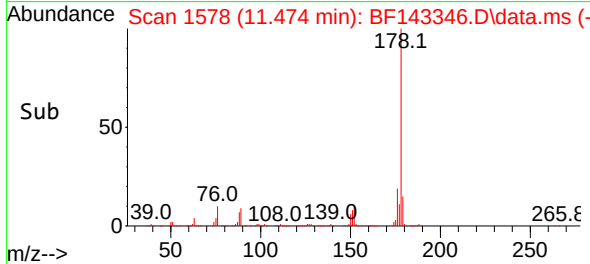
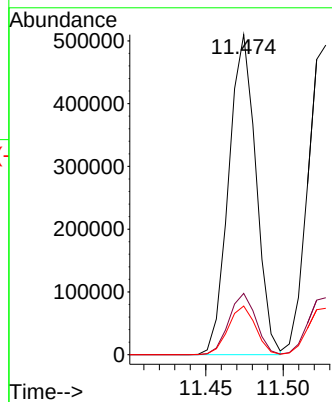
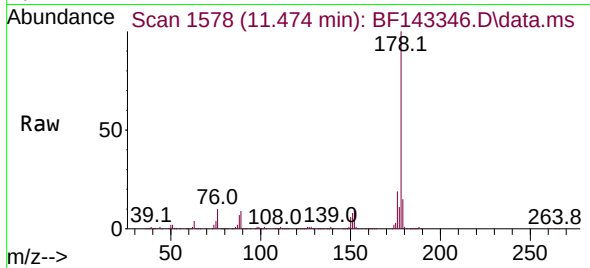




#71
Phenanthrene
Concen: 21.181 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

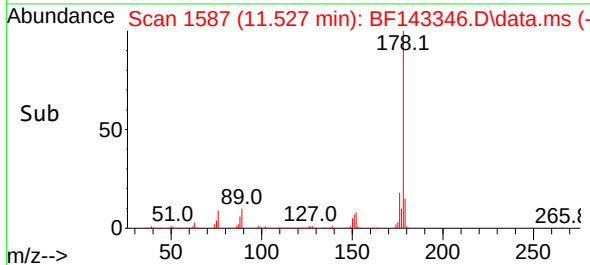
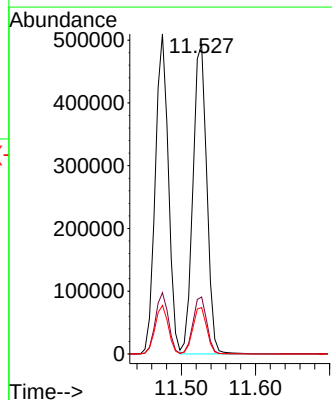
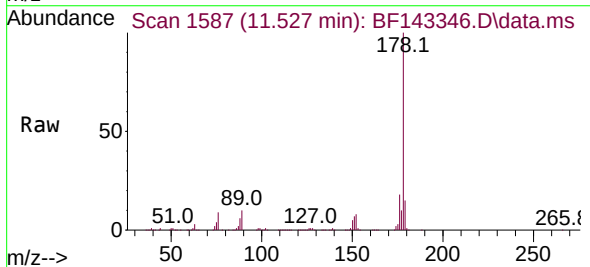
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

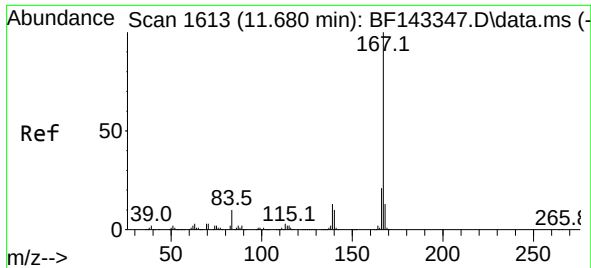
Tgt Ion:178 Resp: 622794
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.5 18.7



#72
Anthracene
Concen: 21.401 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:178 Resp: 638169
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.0 12.7 19.1

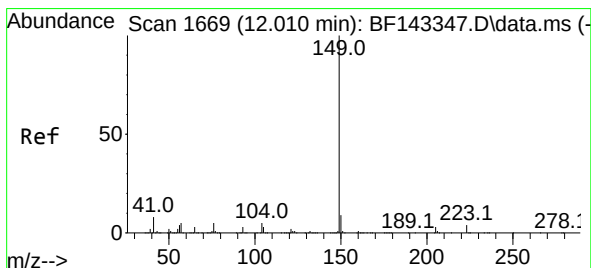
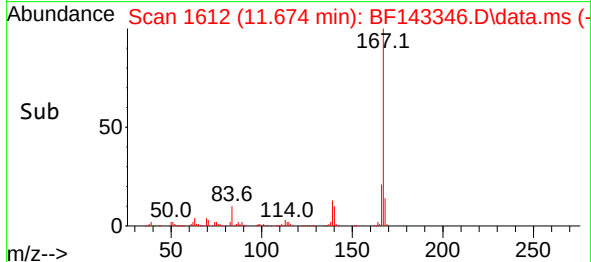
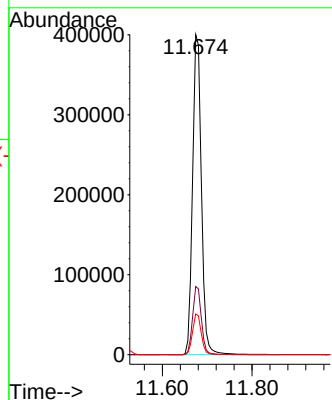
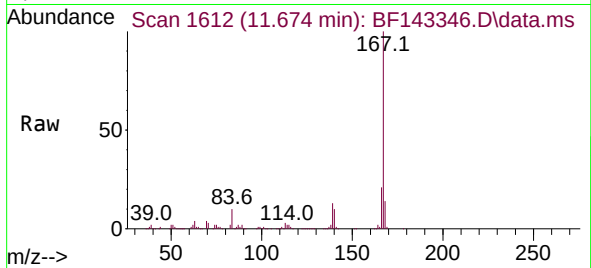




#73
Carbazole
Concen: 21.580 ng
RT: 11.674 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

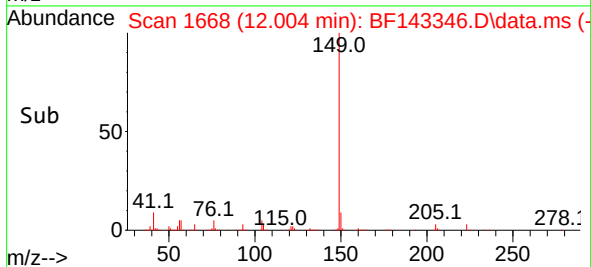
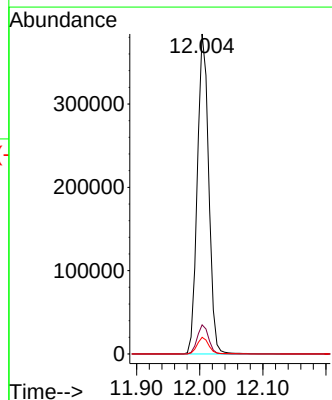
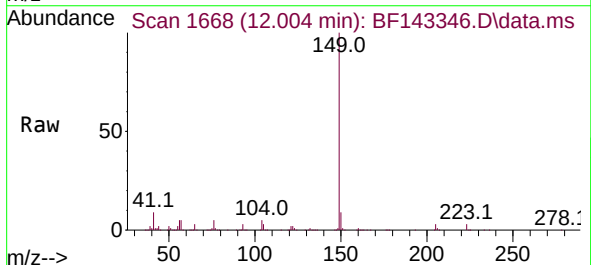
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

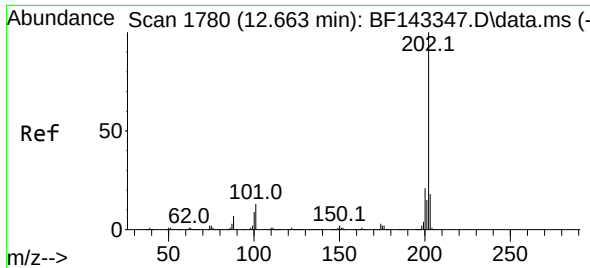
Tgt Ion:167 Resp: 548030
Ion Ratio Lower Upper
167 100
166 21.3 16.8 25.2
139 12.8 10.2 15.2



#74
Di-n-butylphthalate
Concen: 22.300 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 479230
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.2 3.8 5.8

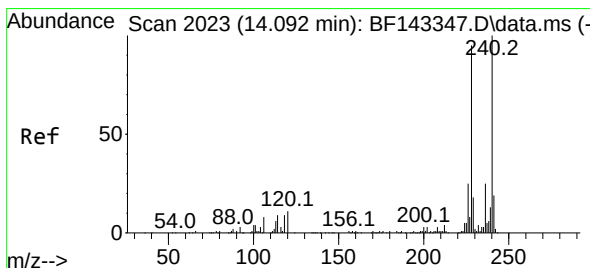
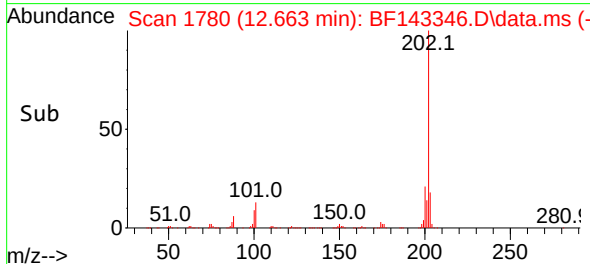
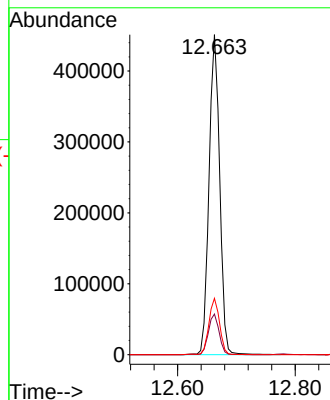
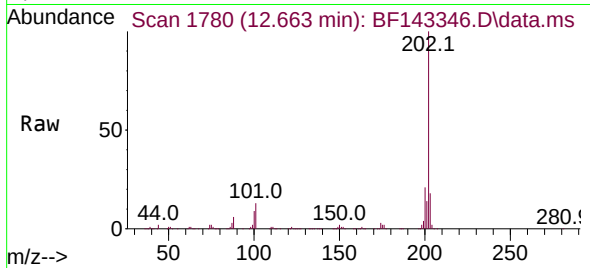




#75
Fluoranthene
Concen: 21.986 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

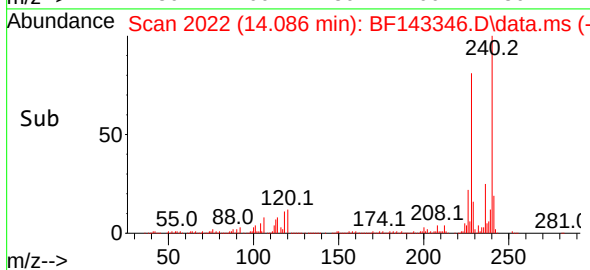
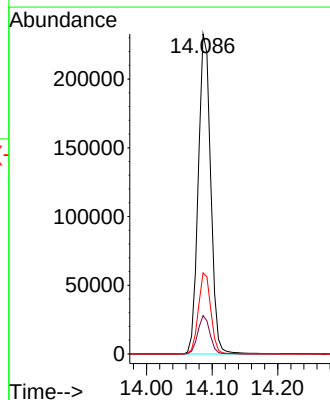
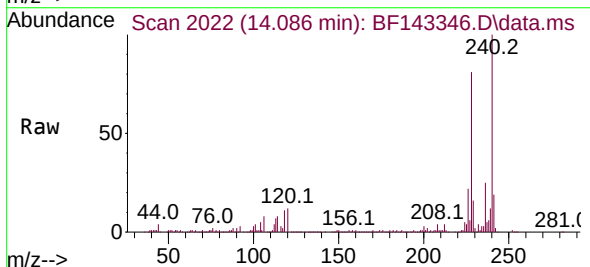
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

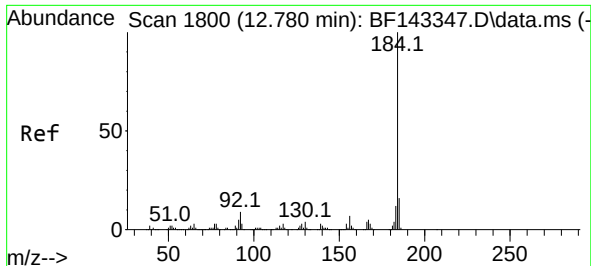
Tgt Ion:202 Resp: 566275
Ion Ratio Lower Upper
202 100
101 12.7 0.0 33.2
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:240 Resp: 307753
Ion Ratio Lower Upper
240 100
120 12.0 9.0 13.6
236 25.3 19.9 29.9

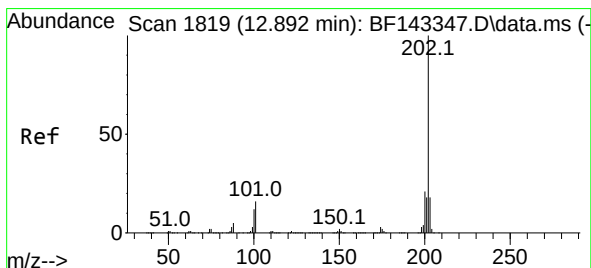
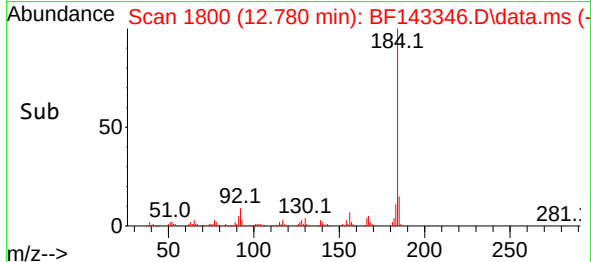
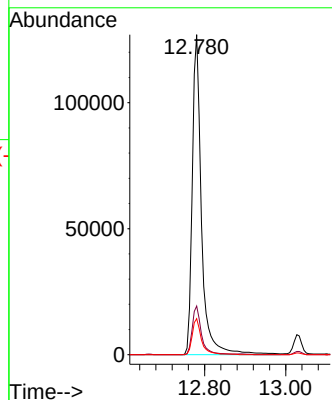
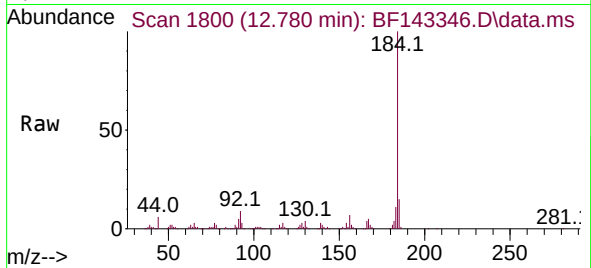




#77
Benzidine
Concen: 23.901 ng
RT: 12.780 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

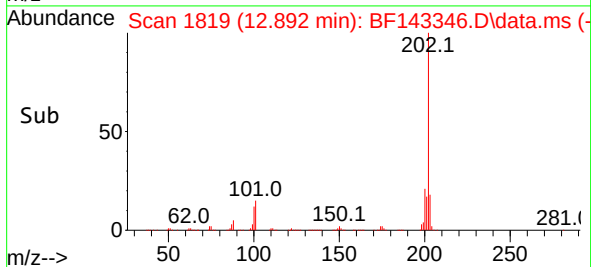
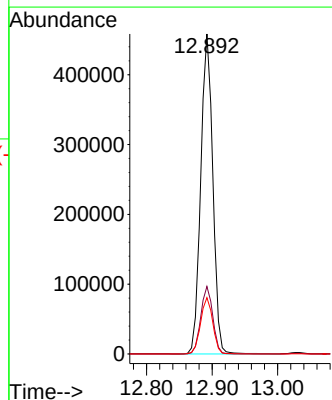
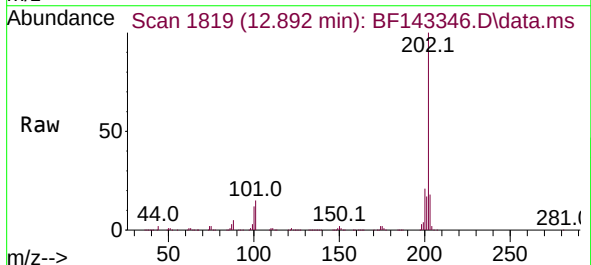
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

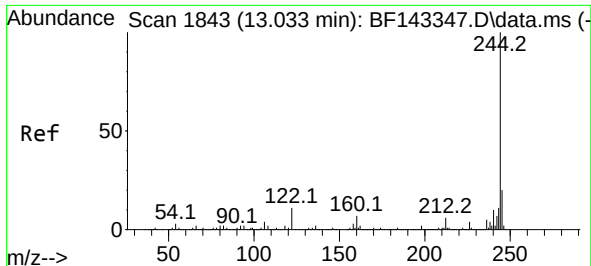
Tgt Ion:184 Resp: 201097
Ion Ratio Lower Upper
184 100
185 15.2 12.8 19.2
183 11.2 9.3 13.9



#78
Pyrene
Concen: 22.771 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

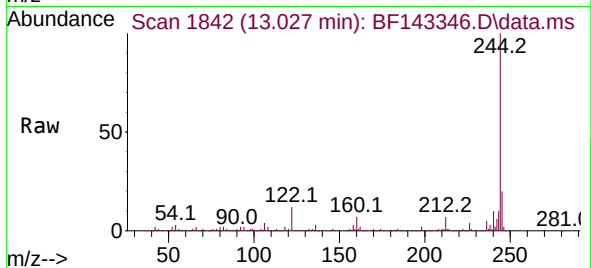
Tgt Ion:202 Resp: 587878
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.6 14.2 21.4



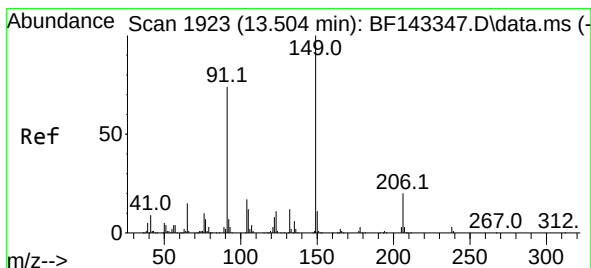
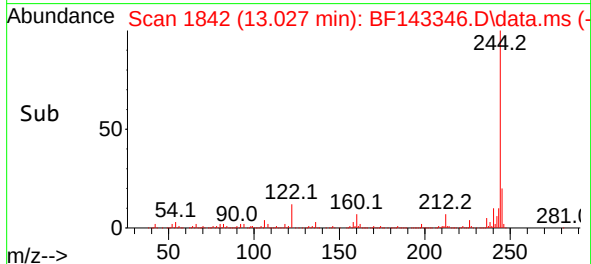
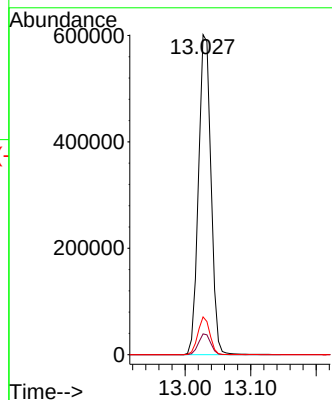


#79
Terphenyl-d14
Concen: 46.313 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

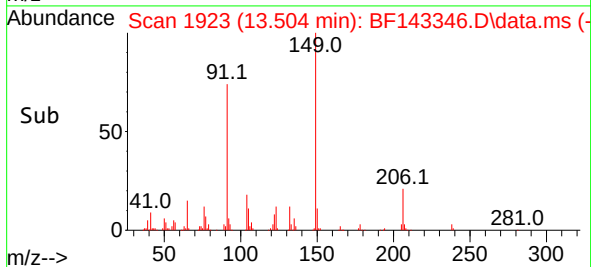
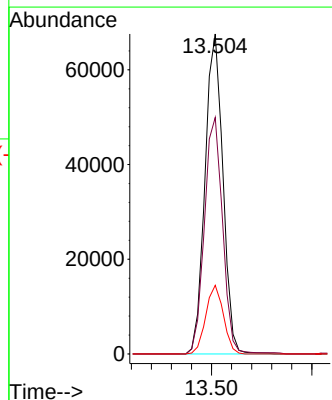
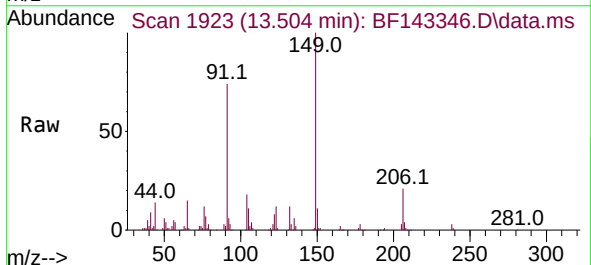


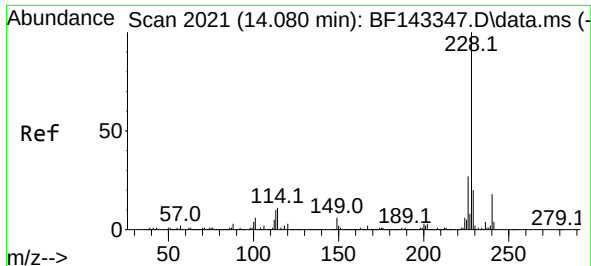
Tgt Ion:244 Resp: 798330
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 11.8 8.9 13.3



#80
Butylbenzylphthalate
Concen: 18.636 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 83834
Ion Ratio Lower Upper
149 100
91 73.9 58.8 88.2
206 21.5 16.4 24.6

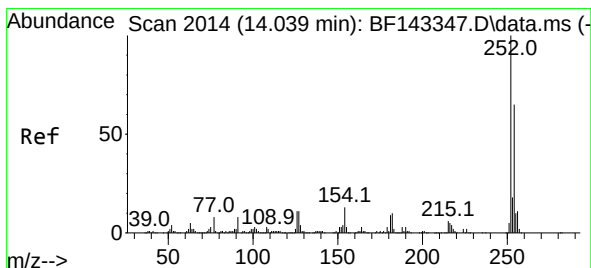
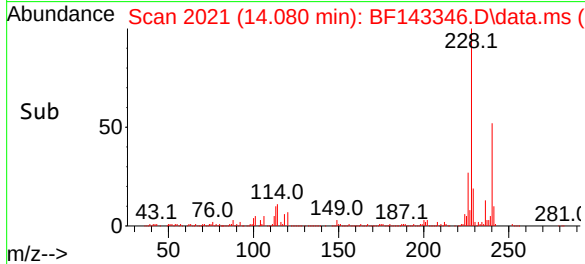
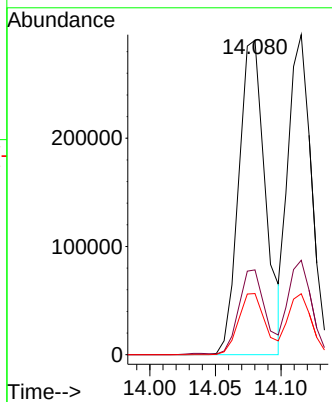
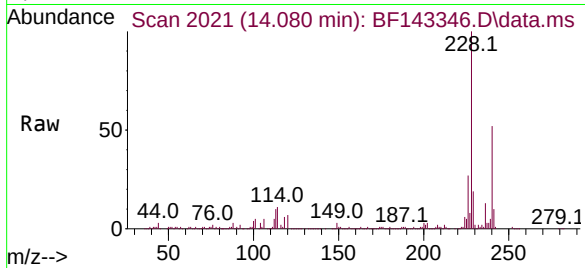




#81
Benzo(a)anthracene
Concen: 21.066 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

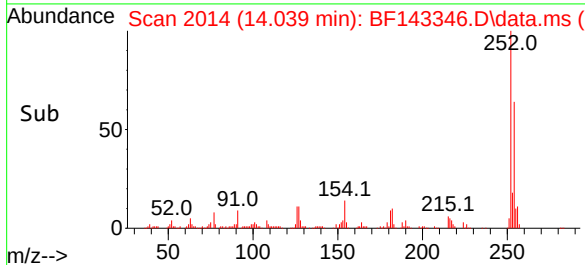
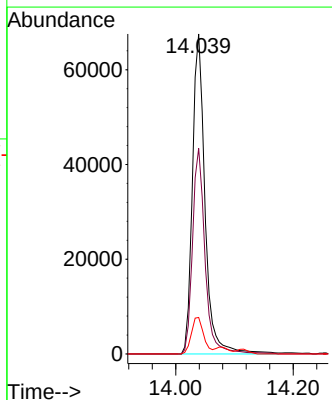
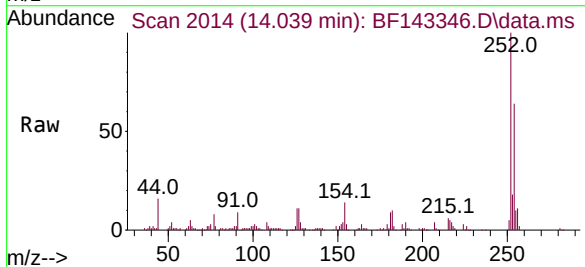
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

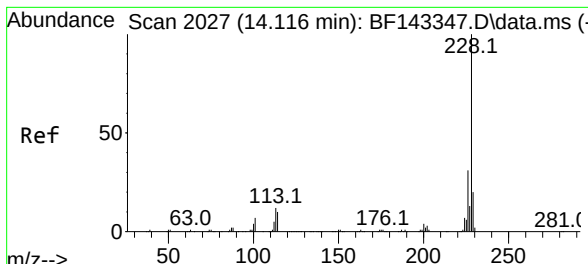
Tgt Ion:228 Resp: 412056
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 19.4 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 19.033 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:252 Resp: 100529
Ion Ratio Lower Upper
252 100
254 64.2 51.7 77.5
126 11.4 9.2 13.8



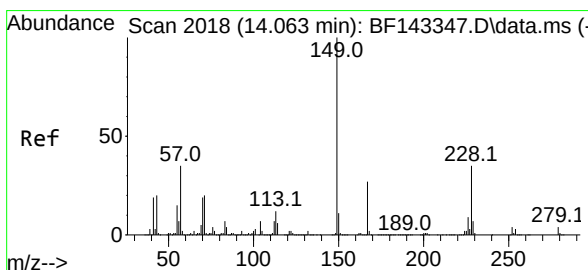
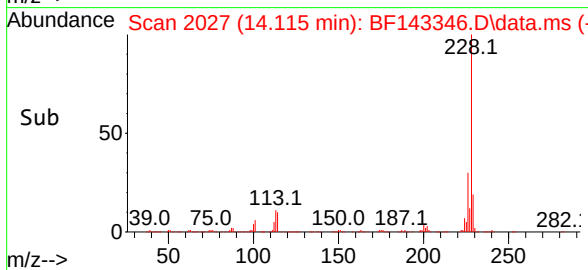
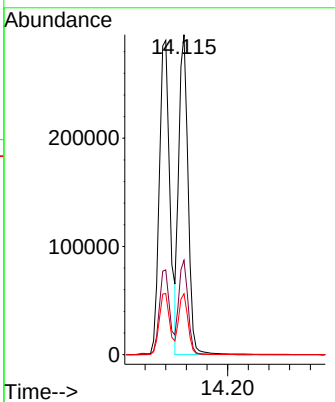
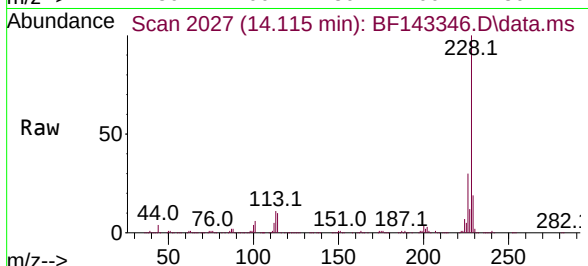


#83
 Chrysene
 Concen: 20.235 ng
 RT: 14.115 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF143346.D
 Acq: 12 Aug 2025 10:35

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Tgt Ion:228 Resp: 369066

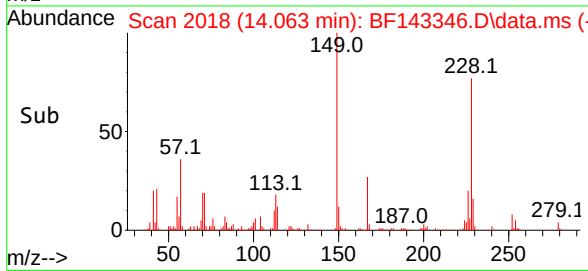
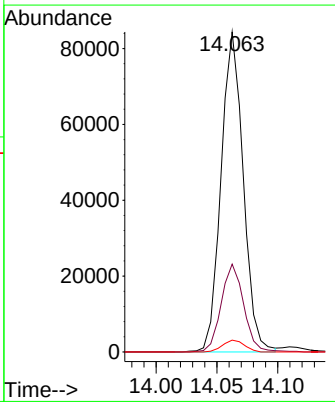
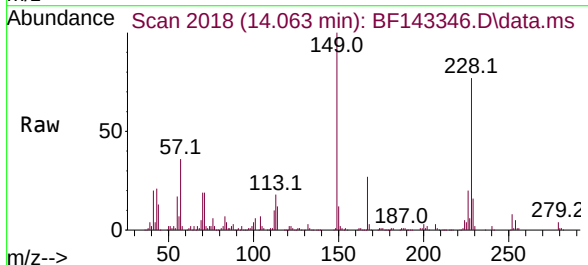
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.2
229	19.0	15.8	23.6

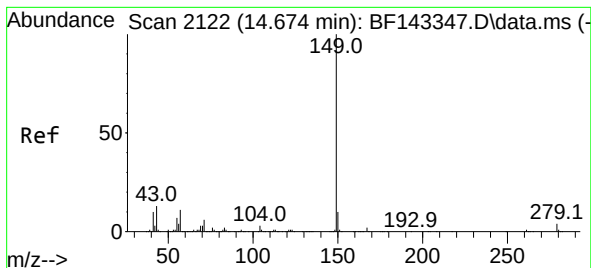


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 17.077 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: BF143346.D
 Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 107115

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.4	32.0
279	3.7	3.2	4.8

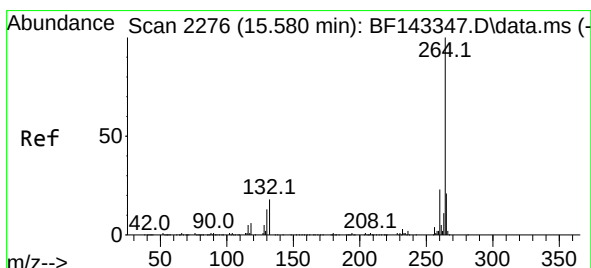
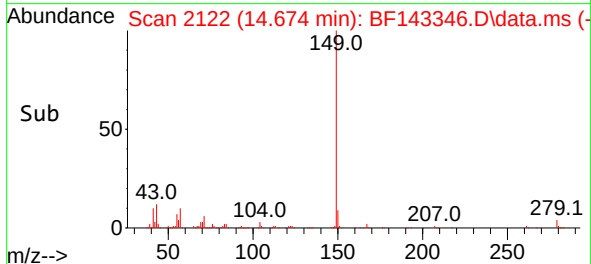
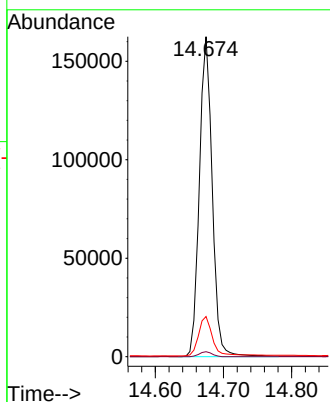
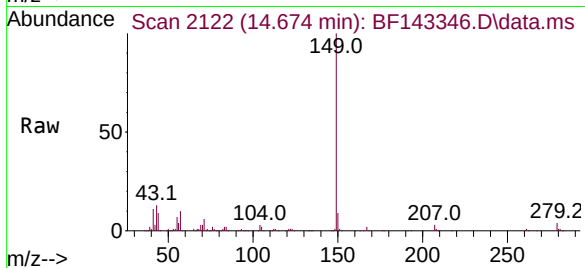




#85
Di-n-octyl phthalate
Concen: 18.493 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

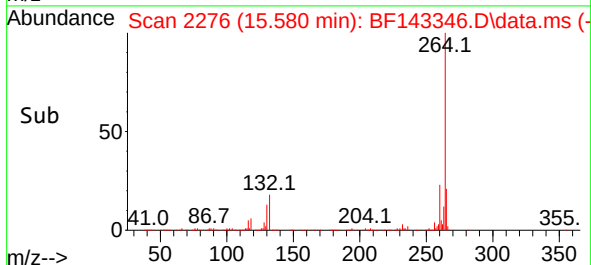
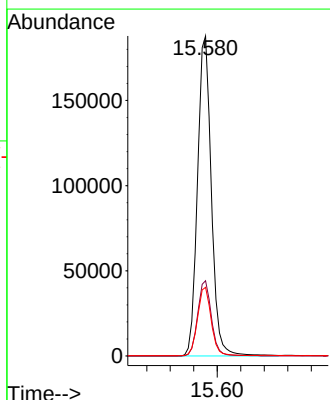
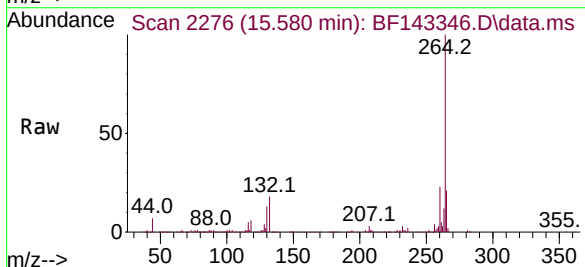
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

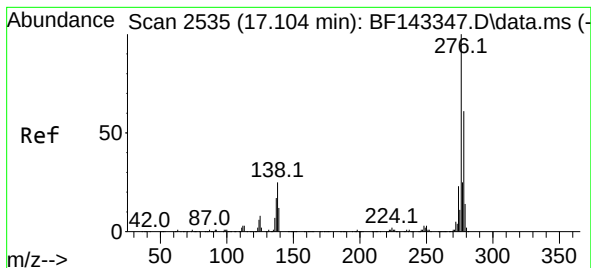
Tgt Ion:149 Resp: 213024
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.5 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:264 Resp: 306974
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.651 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

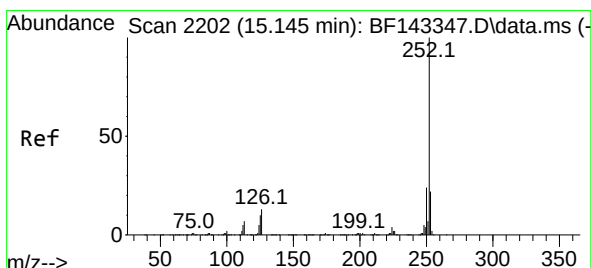
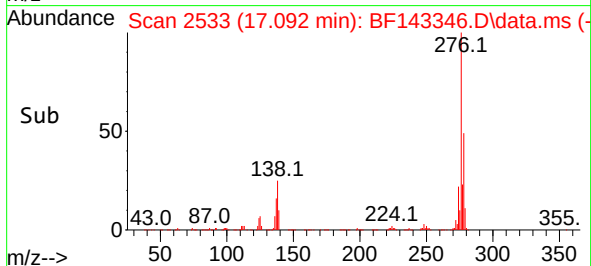
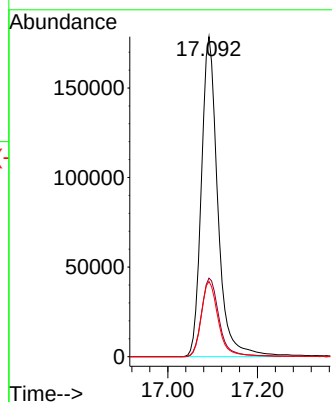
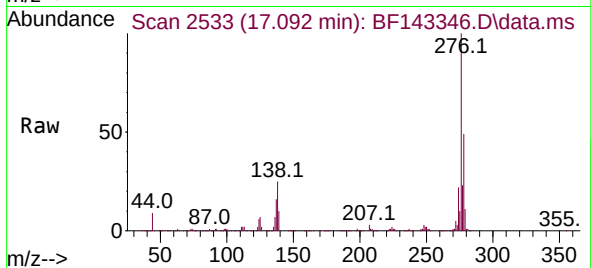
Tgt Ion:276 Resp: 454164

Ion Ratio Lower Upper

276 100

138 26.6 21.1 31.7

277 24.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 19.971 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

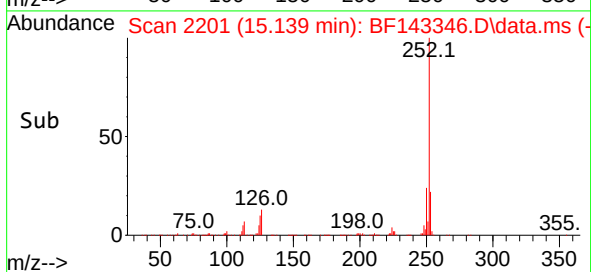
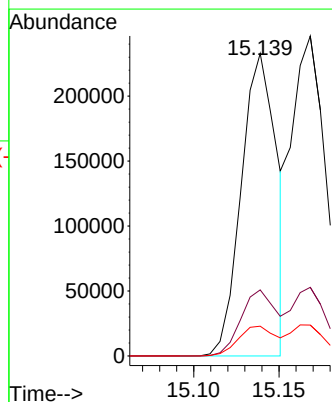
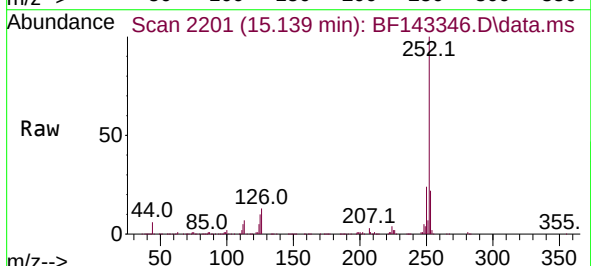
Tgt Ion:252 Resp: 335316

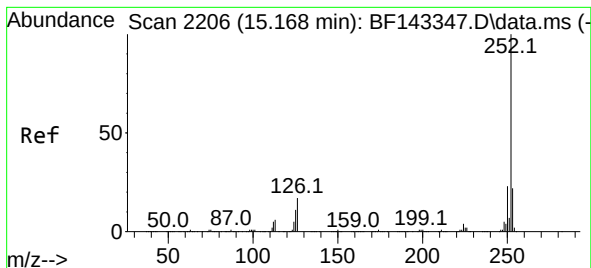
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 9.8 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 21.789 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

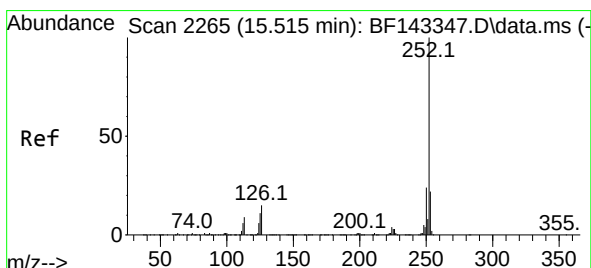
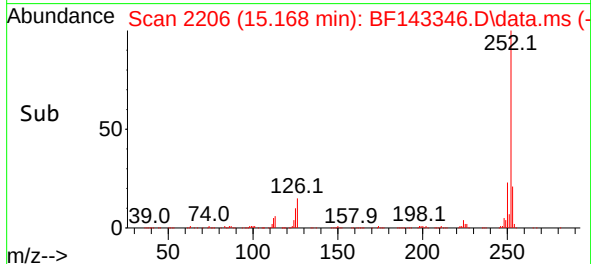
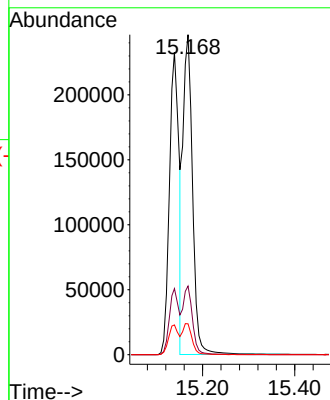
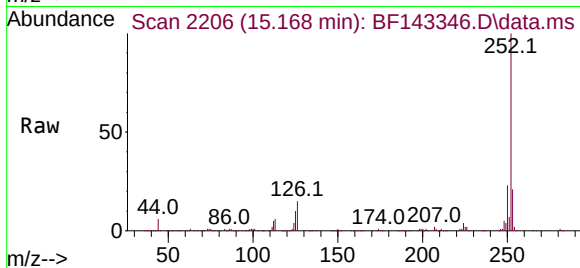
Tgt Ion:252 Resp: 355480

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 9.7 8.4 12.6



#90

Benzo(a)pyrene

Concen: 20.580 ng

RT: 15.515 min Scan# 2265

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

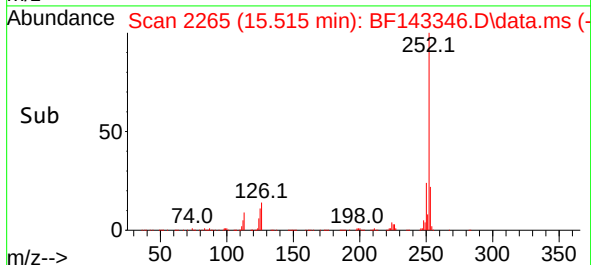
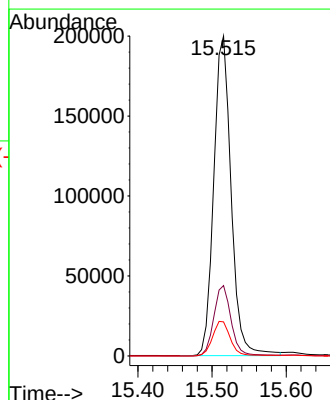
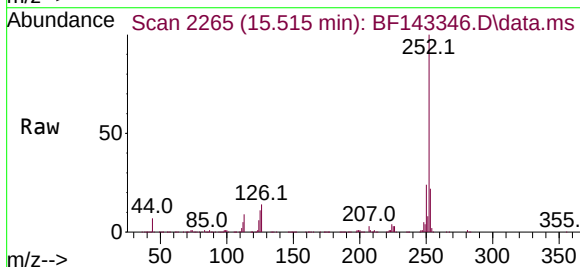
Tgt Ion:252 Resp: 325450

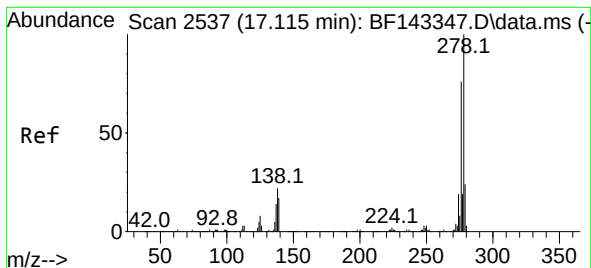
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.6 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 20.688 ng

RT: 17.104 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

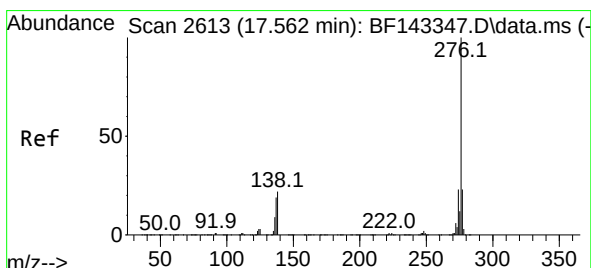
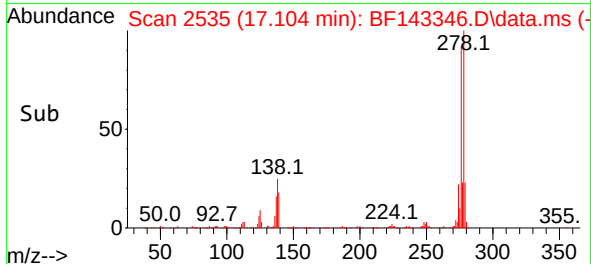
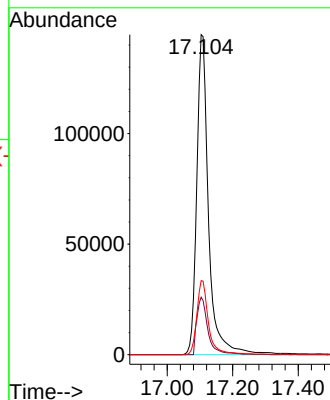
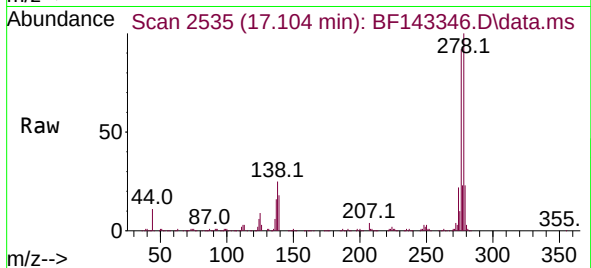
Tgt Ion:278 Resp: 363491

Ion Ratio Lower Upper

278 100

139 17.9 14.0 21.0

279 23.1 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 20.596 ng

RT: 17.551 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

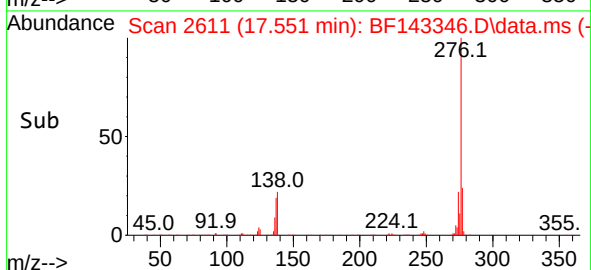
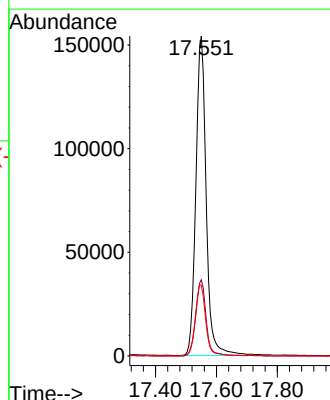
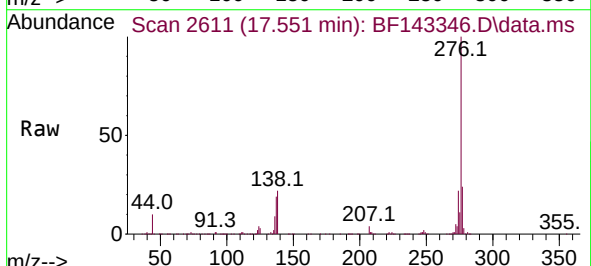
Tgt Ion:276 Resp: 364540

Ion Ratio Lower Upper

276 100

277 23.8 18.7 28.1

138 22.1 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143347.D
 Acq On : 12 Aug 2025 11:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	167361	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	655032	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	345532	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	517467	20.000	ng	0.00
76) Chrysene-d12	14.092	240	290137	20.000	ng	0.00
86) Perylene-d12	15.580	264	328158	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	789566	81.582	ng	0.00
7) Phenol-d6	6.563	99	1004217	80.913	ng	0.00
23) Nitrobenzene-d5	7.492	82	879802	83.642	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	220484	87.313	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1565121	76.811	ng	0.00
79) Terphenyl-d14	13.033	244	1263446	77.745	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.763	88	199574	39.850	ng	100
3) Pyridine	3.534	79	540627	40.510	ng	100
4) n-Nitrosodimethylamine	3.475	42	253901	40.843	ng	100
6) Aniline	6.593	93	709158	40.530	ng	100
8) 2-Chlorophenol	6.716	128	421515	40.760	ng	100
9) Benzaldehyde	6.481	77	338386	41.251	ng	100
10) Phenol	6.575	94	596665	40.582	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	437082	40.336	ng	100
12) 1,3-Dichlorobenzene	6.875	146	479321	40.184	ng	100
13) 1,4-Dichlorobenzene	6.951	146	473345	39.538	ng	100
14) 1,2-Dichlorobenzene	7.104	146	451017	39.687	ng	100
15) Benzyl Alcohol	7.069	79	364330	40.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	775460	40.085	ng	100
17) 2-Methylphenol	7.181	107	355981	40.780	ng	100
18) Hexachloroethane	7.445	117	154773	41.236	ng	100
19) n-Nitroso-di-n-propyla...	7.340	70	304543	39.712	ng	100
20) 3+4-Methylphenols	7.334	107	431056	40.831	ng	100
22) Acetophenone	7.334	105	562380	38.966	ng	100
24) Nitrobenzene	7.510	77	469916	41.135	ng	100
25) Isophorone	7.751	82	845188	39.360	ng	100
26) 2-Nitrophenol	7.828	139	165661	37.083	ng	100
27) 2,4-Dimethylphenol	7.863	122	365692	40.820	ng	100
28) bis(2-Chloroethoxy)met...	7.957	93	518389	39.540	ng	100
29) 2,4-Dichlorophenol	8.069	162	360583	41.210	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	363439	39.377	ng	100
31) Naphthalene	8.234	128	1237121	39.250	ng	100
32) Benzoic acid	7.969	122	141523	39.021	ng	100
33) 4-Chloroaniline	8.281	127	452276	39.784	ng	100
34) Hexachlorobutadiene	8.357	225	229101	39.902	ng	100
35) Caprolactam	8.645	113	103025	41.884	ng	100
36) 4-Chloro-3-methylphenol	8.757	107	375017	40.883	ng	100
37) 2-Methylnaphthalene	8.928	142	814304	39.298	ng	100
38) 1-Methylnaphthalene	9.022	142	779823	39.075	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	374807	39.640	ng	100
41) Hexachlorocyclopentadiene	9.081	237	115551	38.401	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	230730	43.008	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143347.D
 Acq On : 12 Aug 2025 11:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

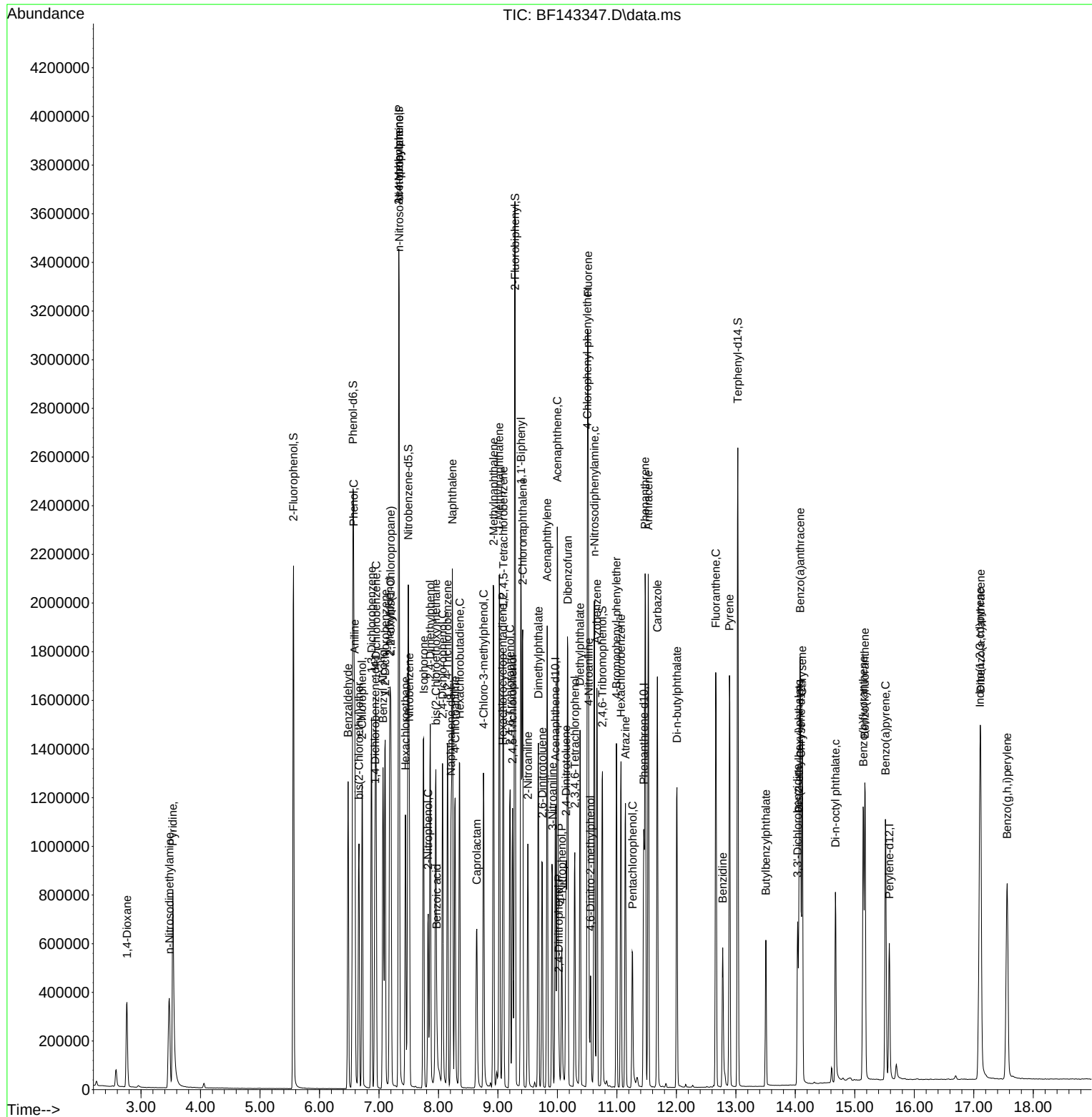
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	260681	43.029	ng	100
46) 1,1'-Biphenyl	9.386	154	959774	39.285	ng	100
47) 2-Chloronaphthalene	9.416	162	756597	39.322	ng	100
48) 2-Nitroaniline	9.504	65	213717	39.058	ng	100
49) Acenaphthylene	9.828	152	1097291	39.490	ng	100
50) Dimethylphthalate	9.681	163	815627	40.398	ng	100
51) 2,6-Dinitrotoluene	9.745	165	147260	39.128	ng	100
52) Acenaphthene	9.998	154	728691	39.446	ng	100
53) 3-Nitroaniline	9.916	138	180447	43.642	ng	100
54) 2,4-Dinitrophenol	10.022	184	45578	39.434	ng	100
55) Dibenzofuran	10.175	168	1043986	39.267	ng	100
56) 4-Nitrophenol	10.075	139	119387	39.132	ng	100
57) 2,4-Dinitrotoluene	10.145	165	199781	39.946	ng	100
58) Fluorene	10.516	166	789149	38.860	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	176166	43.137	ng	100
60) Diethylphthalate	10.381	149	746813	41.295	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	389122	39.656	ng	100
62) 4-Nitroaniline	10.528	138	171799	42.946	ng	100
63) Azobenzene	10.663	77	824319	39.906	ng	100
65) 4,6-Dinitro-2-methylph...	10.557	198	73478	37.049	ng	100
66) n-Nitrosodiphenylamine	10.622	169	678152	39.800	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	239456	40.461	ng	100
68) Hexachlorobenzene	11.069	284	252547	39.589	ng	100
69) Atrazine	11.145	200	184584	41.534	ng	100
70) Pentachlorophenol	11.263	266	111946	39.119	ng	100
71) Phenanthrene	11.475	178	1118795	39.627	ng	100
72) Anthracene	11.528	178	1126030	39.327	ng	100
73) Carbazole	11.680	167	966534	39.637	ng	100
74) Di-n-butylphthalate	12.010	149	894432	43.346	ng	100
75) Fluoranthene	12.663	202	949305	38.386	ng	100
77) Benzidine	12.780	184	343155	43.261	ng	100
78) Pyrene	12.892	202	963681	39.593	ng	100
80) Butylbenzylphthalate	13.504	149	175897	37.368	ng	100
81) Benzo(a)anthracene	14.080	228	730158	39.595	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	211236	42.421	ng	100
83) Chrysene	14.116	228	681835	39.653	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	256146	37.186	ng	100
85) Di-n-octyl phthalate	14.674	149	515170	38.008	ng	100
87) Indeno(1,2,3-cd)pyrene	17.104	276	950872	40.445	ng	100
88) Benzo(b)fluoranthene	15.145	252	733725	40.879	ng	100
89) Benzo(k)fluoranthene	15.168	252	679660	38.970	ng	100
90) Benzo(a)pyrene	15.515	252	678288	40.124	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	767630	40.870	ng	100
92) Benzo(g,h,i)perylene	17.562	276	767224	40.549	ng	100

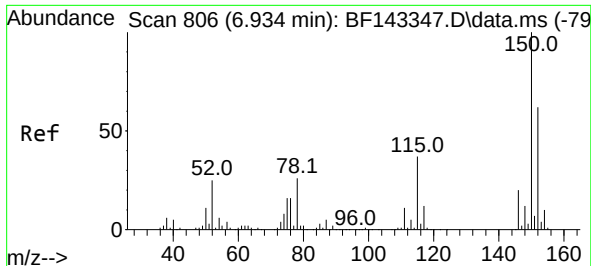
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143347.D
Acq On : 12 Aug 2025 11:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

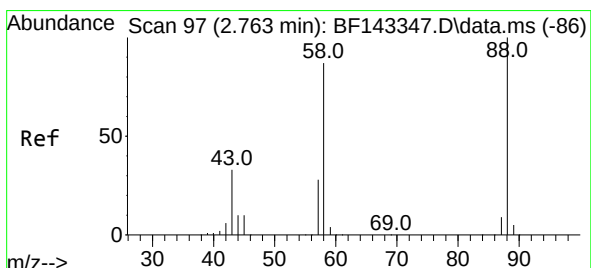
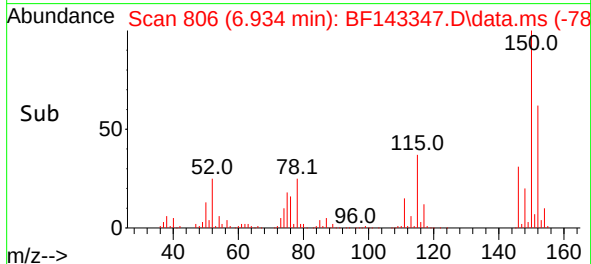
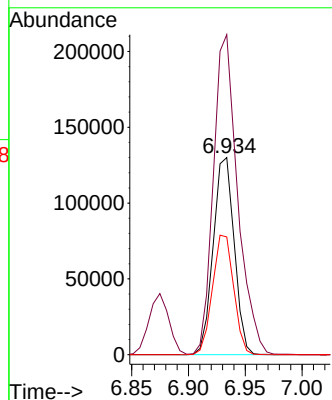
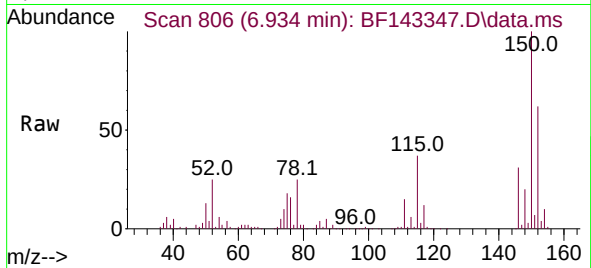




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143347.D
 Acq: 12 Aug 2025 11:06

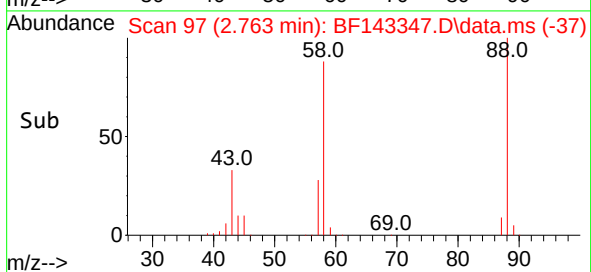
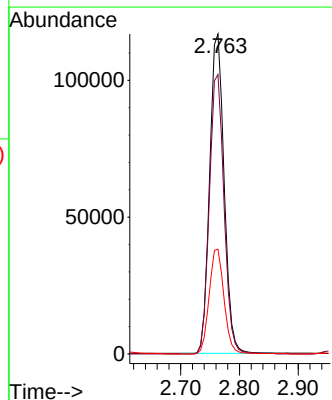
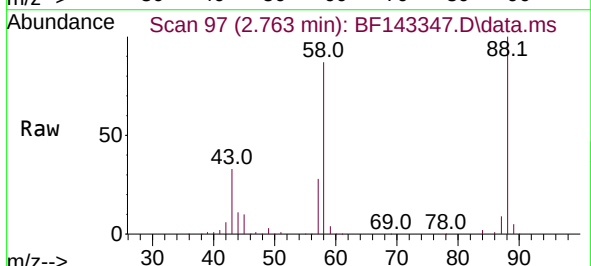
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

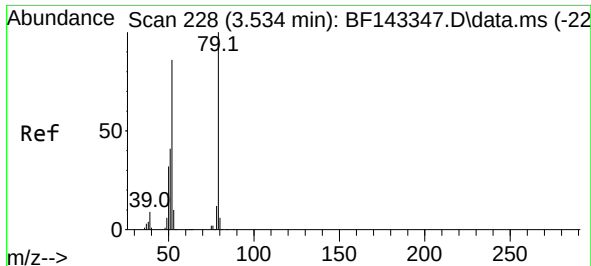
Tgt Ion:152 Resp: 167361
 Ion Ratio Lower Upper
 152 100
 150 162.3 129.8 194.8
 115 59.8 47.8 71.8



#2
 1,4-Dioxane
 Concen: 39.850 ng
 RT: 2.763 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: BF143347.D
 Acq: 12 Aug 2025 11:06

Tgt Ion: 88 Resp: 199574
 Ion Ratio Lower Upper
 88 100
 58 88.8 71.0 106.6
 43 33.8 27.0 40.6





#3

Pyridine

Concen: 40.510 ng

RT: 3.534 min Scan# 218

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

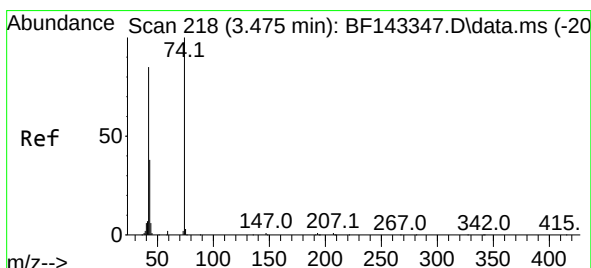
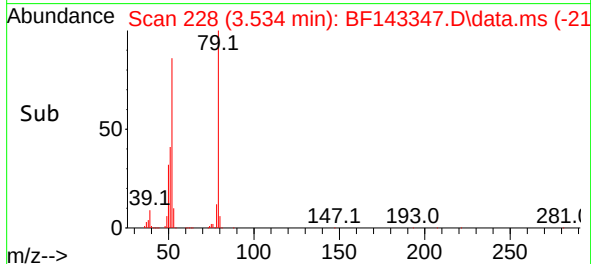
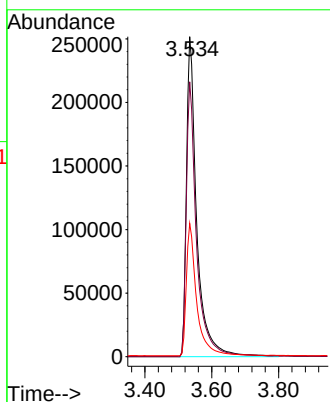
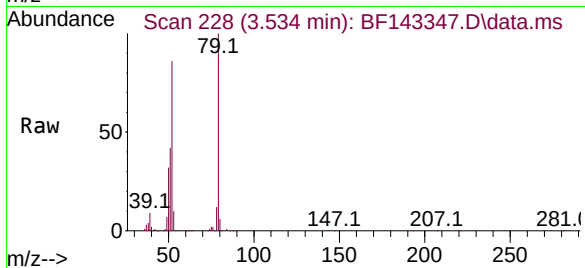
Tgt Ion: 79 Resp: 540627

Ion Ratio Lower Upper

79 100

52 85.9 68.7 103.1

51 41.7 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 40.843 ng

RT: 3.475 min Scan# 218

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

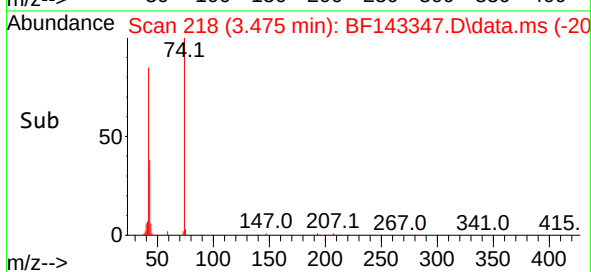
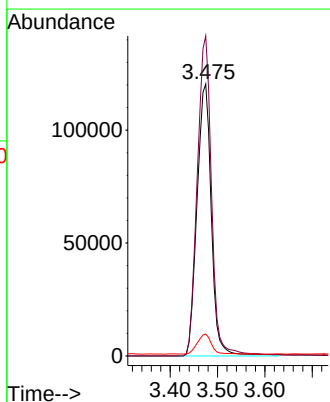
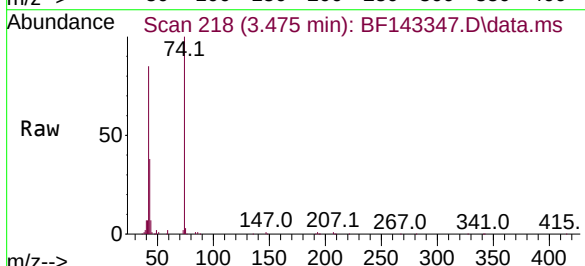
Tgt Ion: 42 Resp: 253901

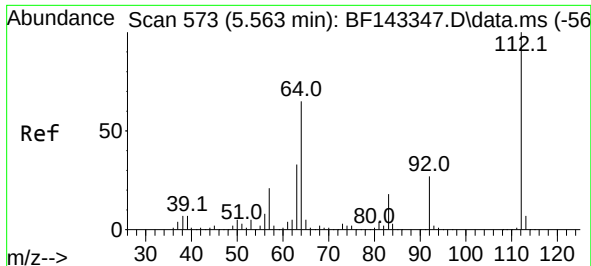
Ion Ratio Lower Upper

42 100

74 117.6 94.1 141.1

44 8.1 6.5 9.7

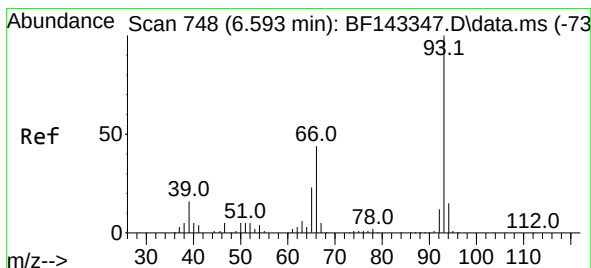
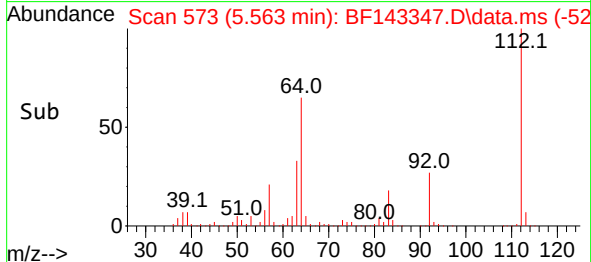
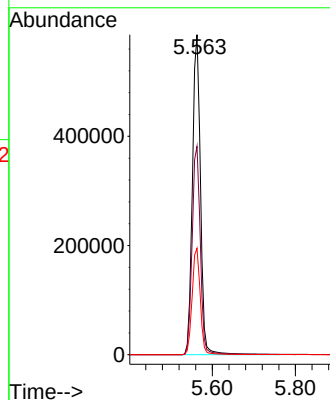
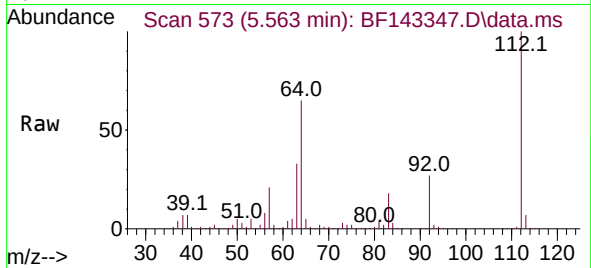




#5
2-Fluorophenol
Concen: 81.582 ng
RT: 5.563 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

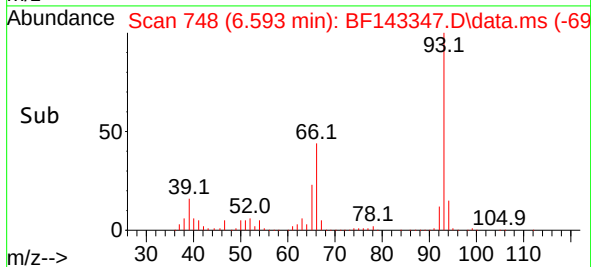
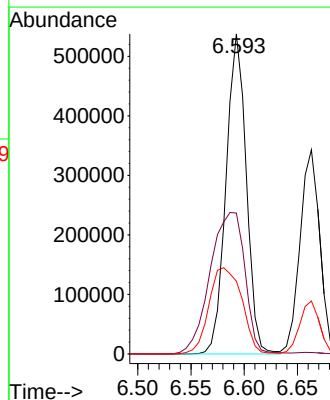
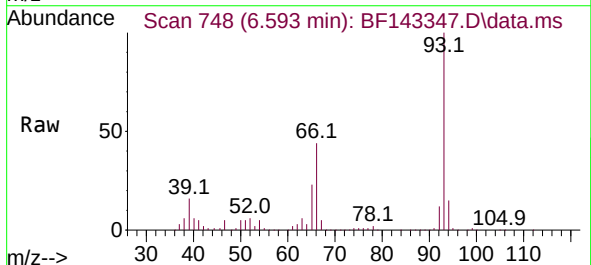
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

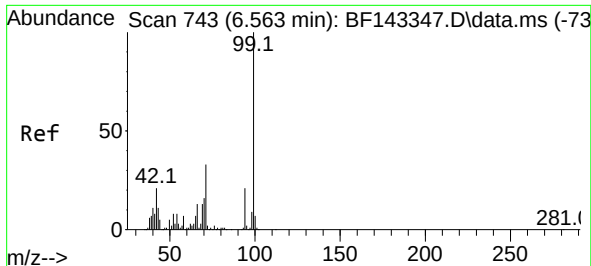
Tgt Ion:112 Resp: 789566
Ion Ratio Lower Upper
112 100
64 65.1 52.1 78.1
63 33.2 26.6 39.8



#6
Aniline
Concen: 40.530 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 93 Resp: 709158
Ion Ratio Lower Upper
93 100
66 44.1 35.3 52.9
65 22.8 18.2 27.4

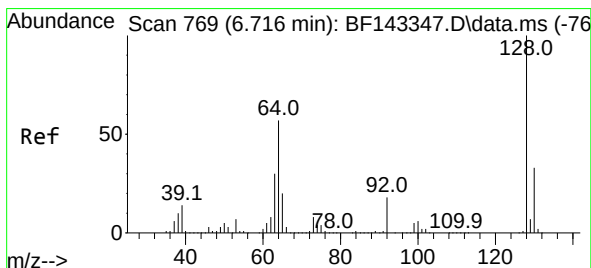
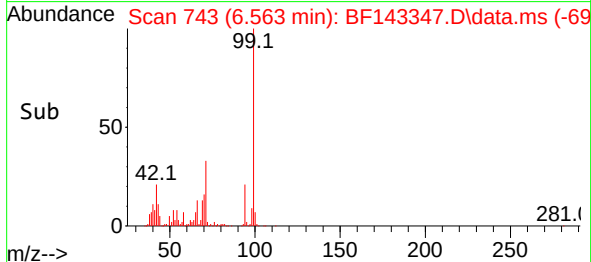
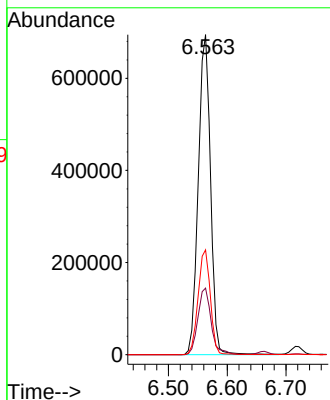
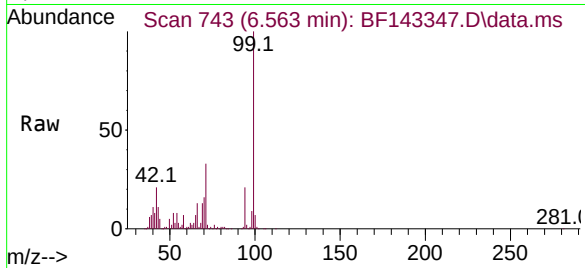




#7
Phenol-d6
Concen: 80.913 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

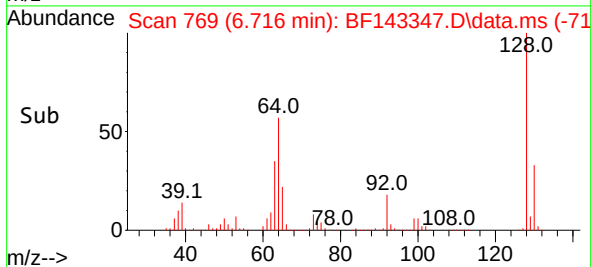
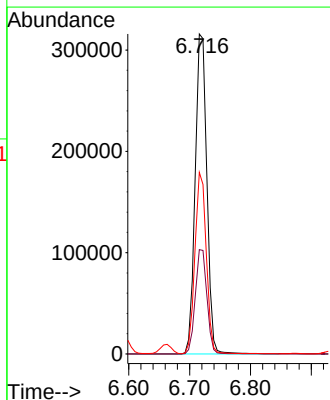
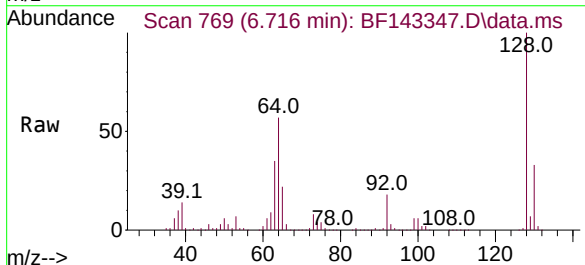
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

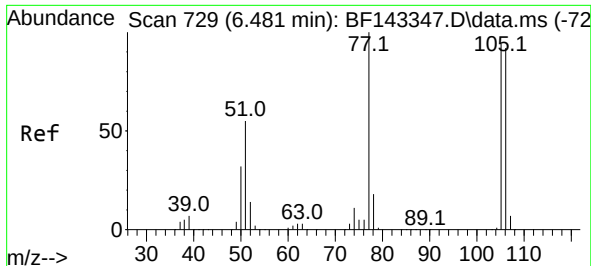
Tgt Ion: 99 Resp: 1004217
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 32.7 26.2 39.2



#8
2-Chlorophenol
Concen: 40.760 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 128 Resp: 421515
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 56.7 36.7 76.7

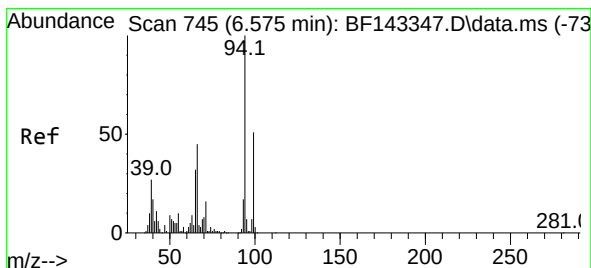
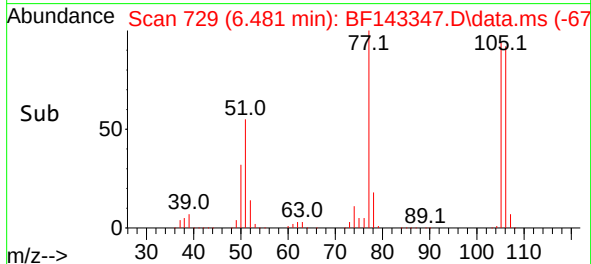
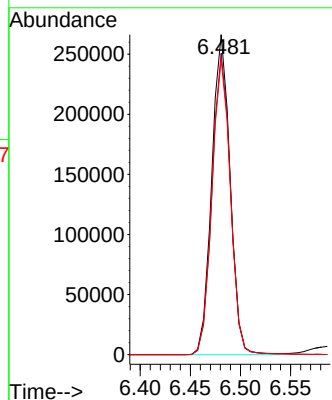
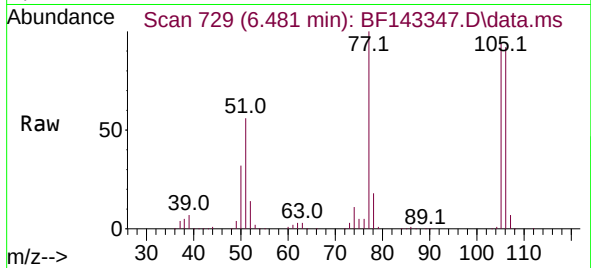




#9
Benzaldehyde
Concen: 41.251 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

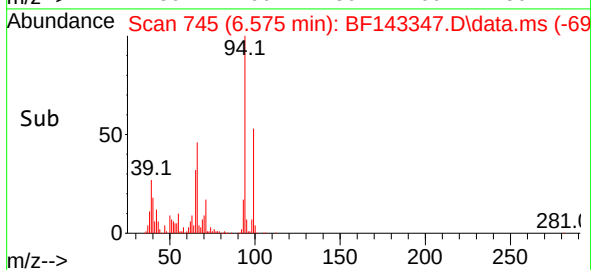
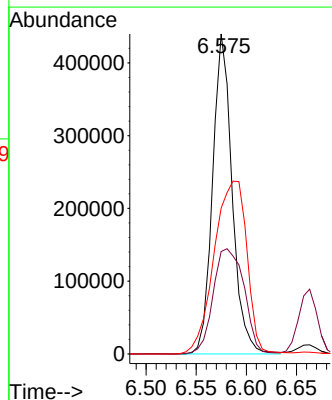
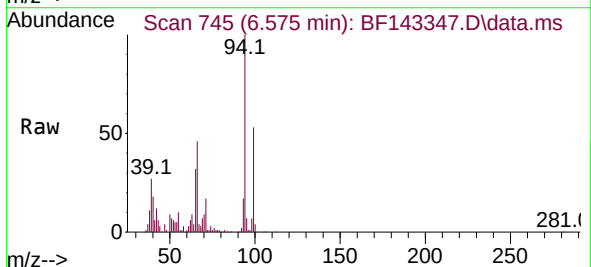
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

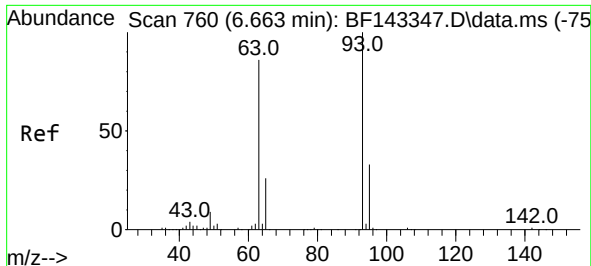
Tgt Ion: 77 Resp: 338386
Ion Ratio Lower Upper
77 100
105 94.2 74.2 114.2
106 92.2 72.2 112.2



#10
Phenol
Concen: 40.582 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 94 Resp: 596665
Ion Ratio Lower Upper
94 100
65 32.0 12.0 52.0
66 45.6 25.6 65.6

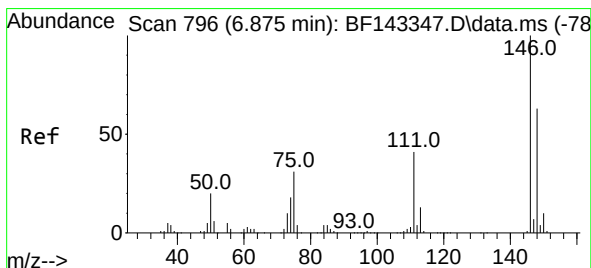
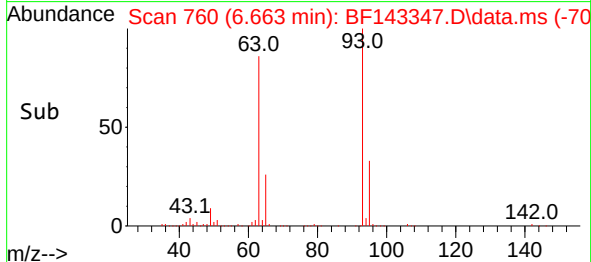
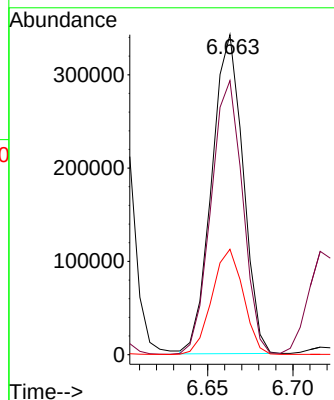
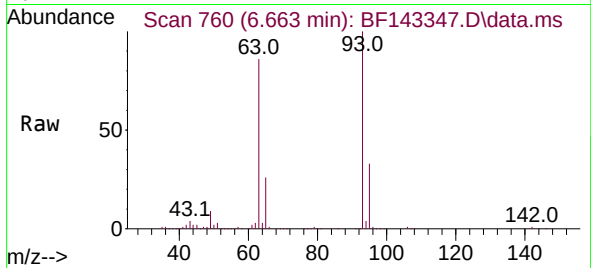




#11
bis(2-Chloroethyl)ether
Concen: 40.336 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

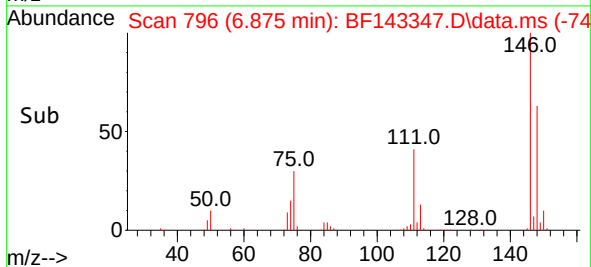
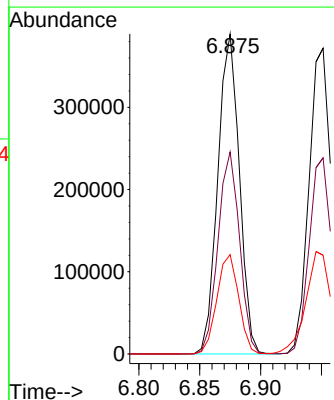
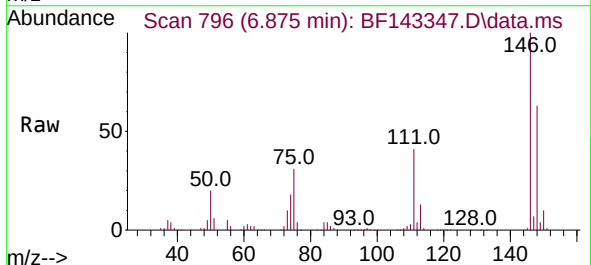
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

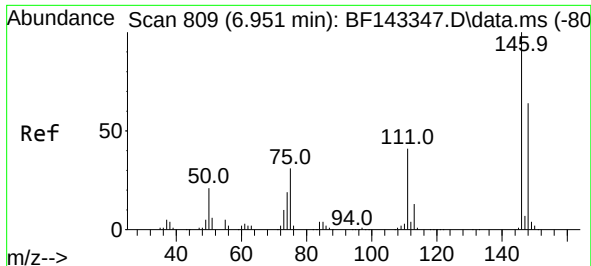
Tgt Ion: 93 Resp: 437082
Ion Ratio Lower Upper
93 100
63 85.7 65.7 105.7
95 33.0 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 40.184 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 146 Resp: 479321
Ion Ratio Lower Upper
146 100
148 63.1 50.5 75.7
75 31.1 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 39.538 ng

RT: 6.951 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

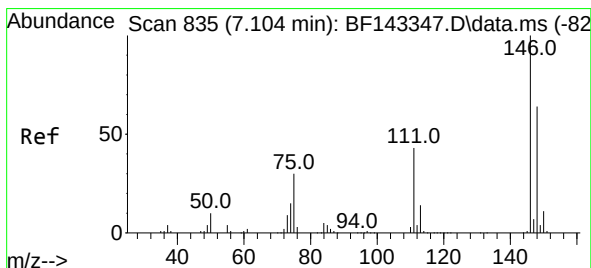
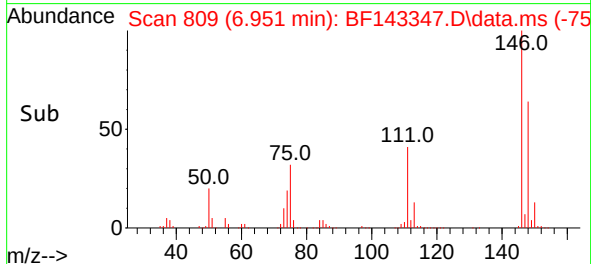
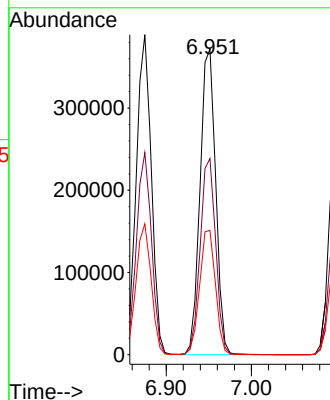
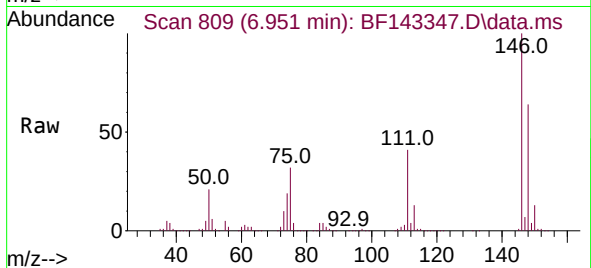
Tgt Ion:146 Resp: 473345

Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.0

111 40.7 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 39.687 ng

RT: 7.104 min Scan# 835

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

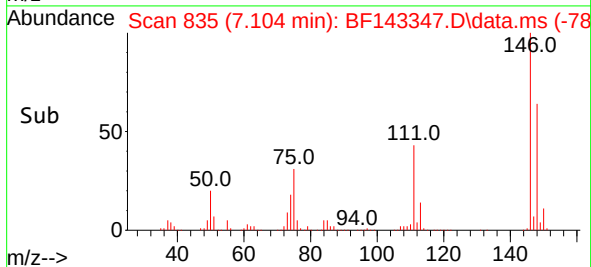
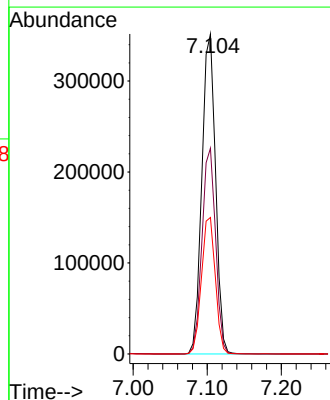
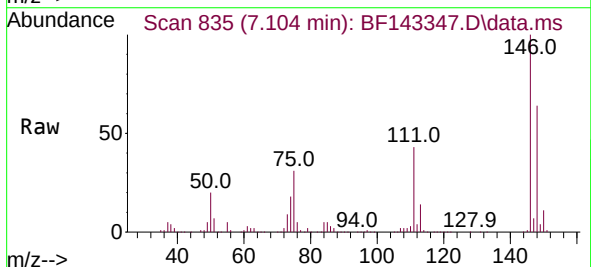
Tgt Ion:146 Resp: 451017

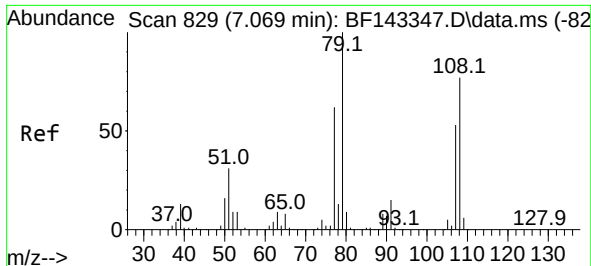
Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

111 42.6 34.1 51.1

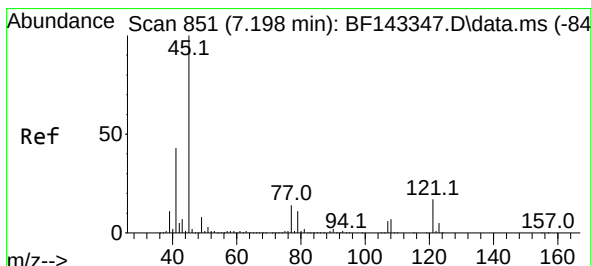
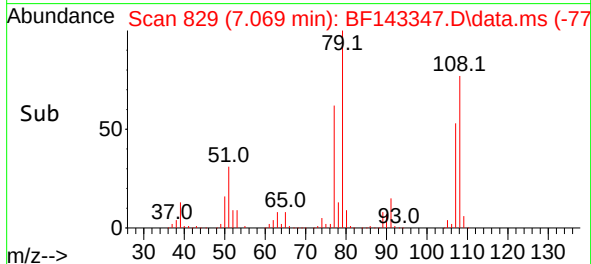
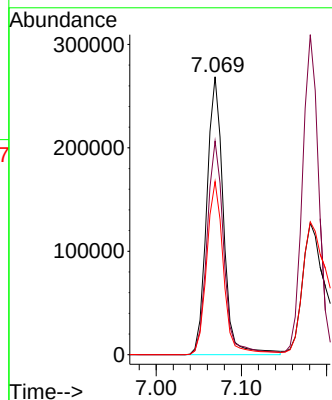
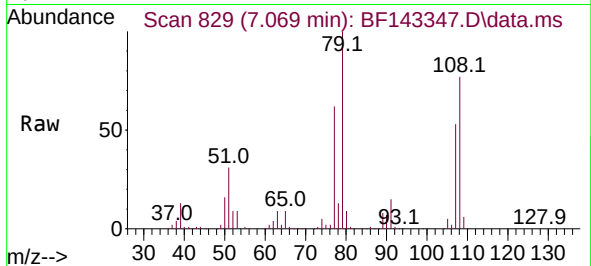




#15
Benzyl Alcohol
Concen: 40.952 ng
RT: 7.069 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

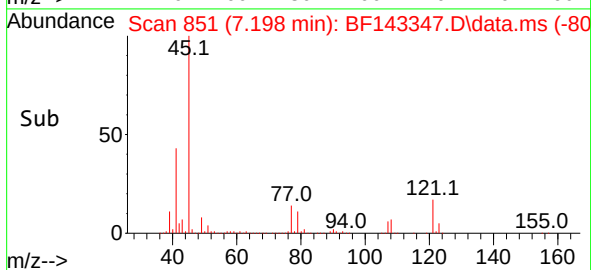
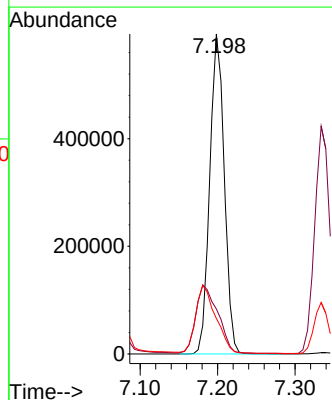
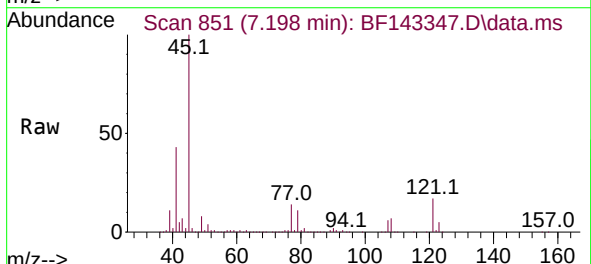
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

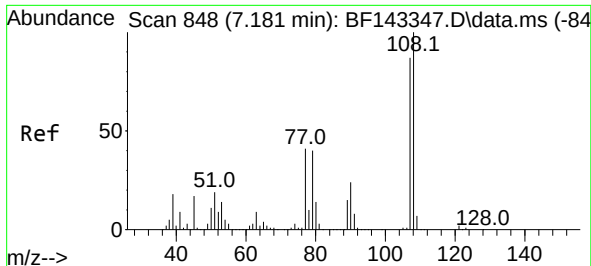
Tgt Ion:	79	Resp:	364330
Ion	Ratio	Lower	Upper
79	100		
108	76.9	61.5	92.3
77	62.3	49.8	74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.085 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

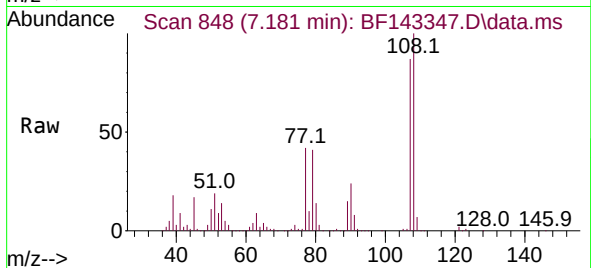
Tgt Ion:	45	Resp:	775460
Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	34.0
79	11.1	0.0	31.1



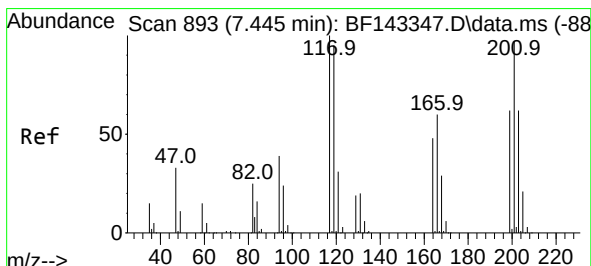
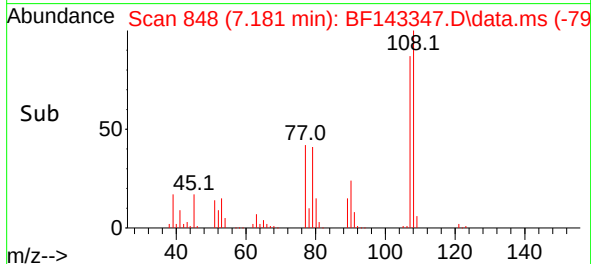
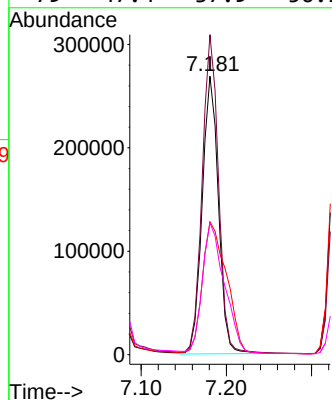


#17
2-Methylphenol
Concen: 40.780 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

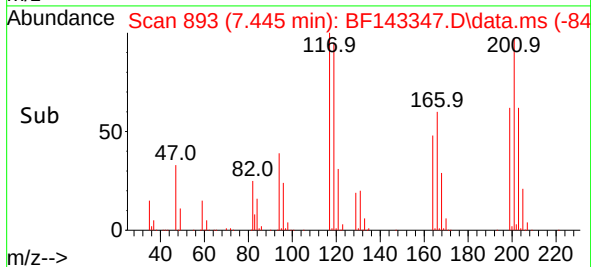
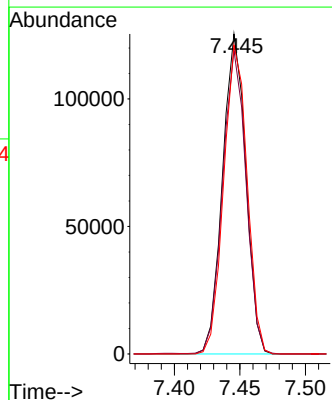
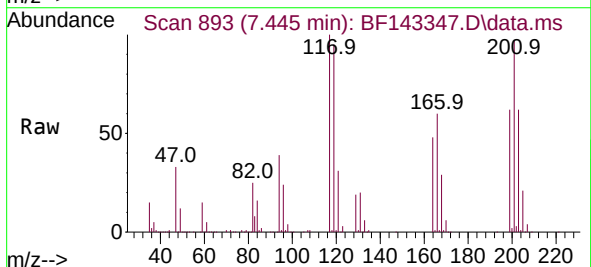


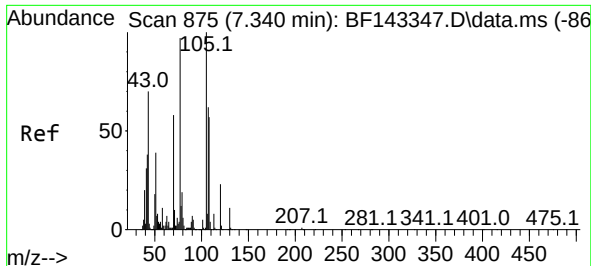
Tgt Ion:	107	Resp:	355981
Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	47.7	38.2	57.2
79	47.4	37.9	56.9



#18
Hexachloroethane
Concen: 41.236 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:	117	Resp:	154773
Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	96.5	77.2	115.8



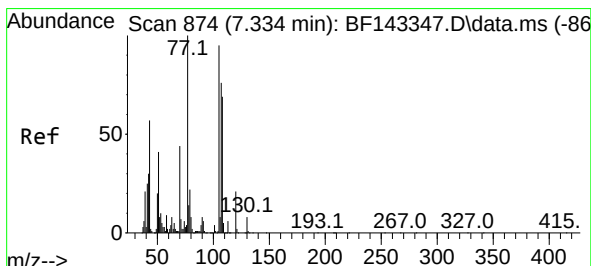
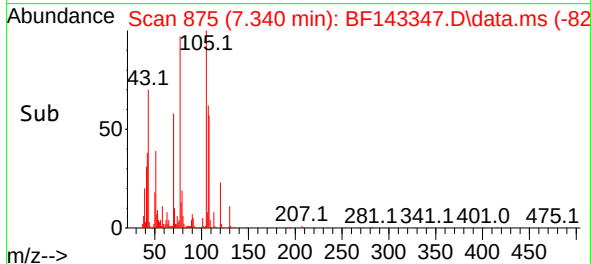
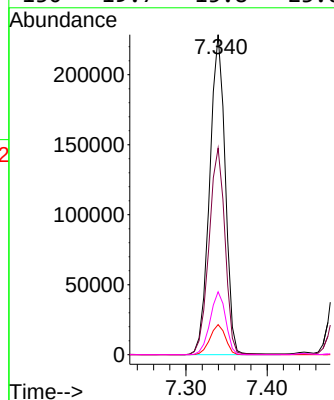
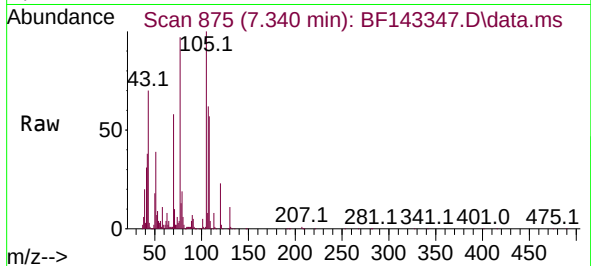


#19
n-Nitroso-di-n-propylamine
Concen: 39.712 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 304543

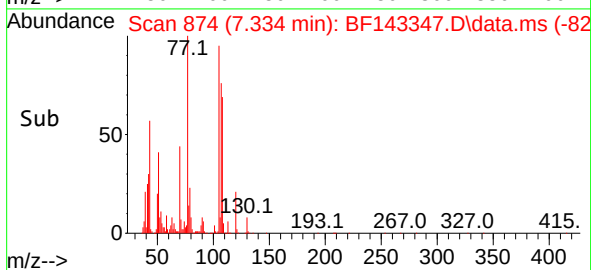
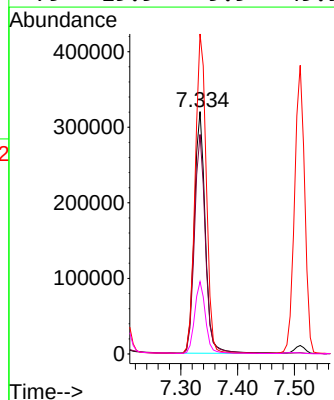
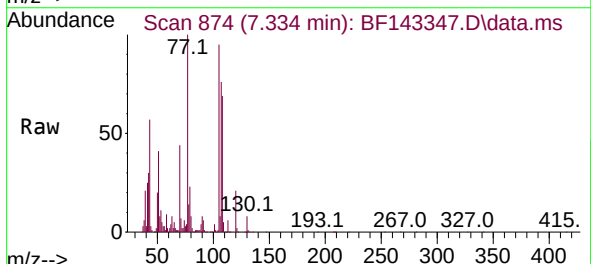
Ion	Ratio	Lower	Upper
70	100		
42	64.5	51.6	77.4
101	9.4	7.5	11.3
130	19.7	15.8	23.6

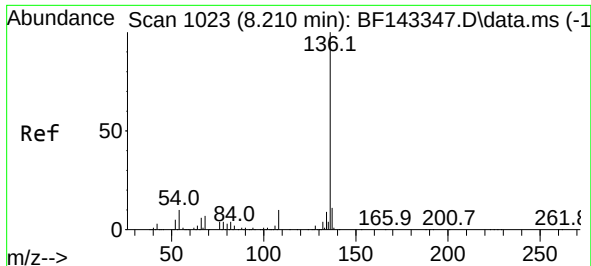


#20
3+4-Methylphenols
Concen: 40.831 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 107 Resp: 431056

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.6	110.6
77	132.0	112.0	152.0
79	29.9	9.9	49.9

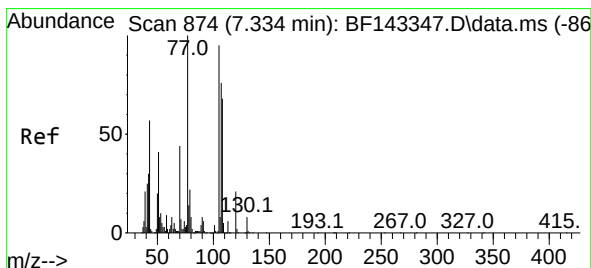
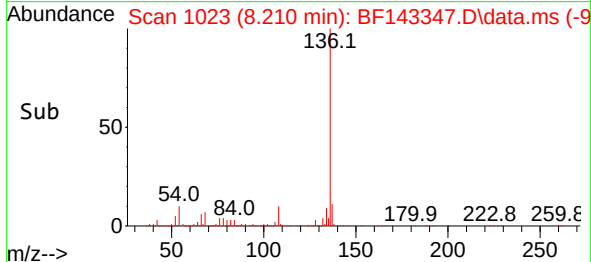
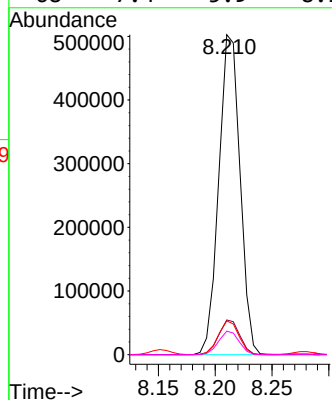
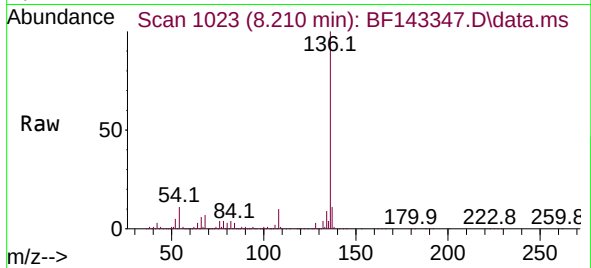




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

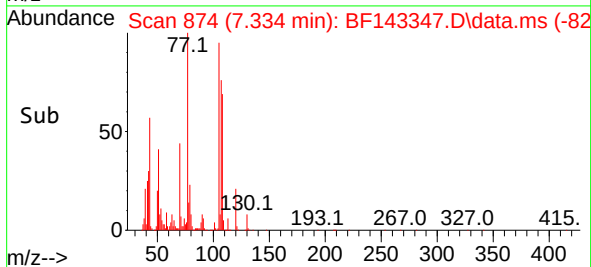
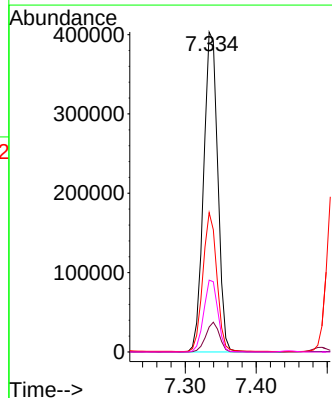
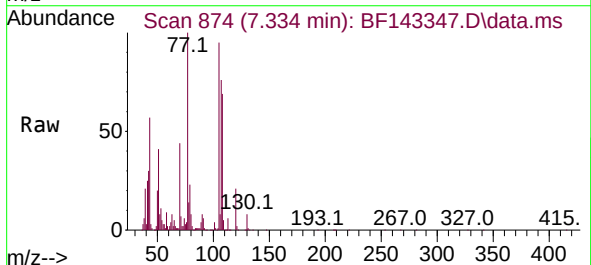
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

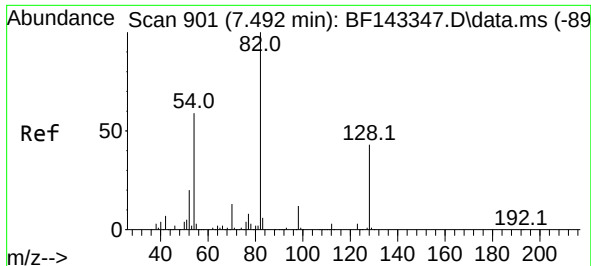
Tgt Ion:	136	Resp:	655032
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.5	8.4	12.6
68	7.4	5.9	8.9



#22
Acetophenone
Concen: 38.966 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:	105	Resp:	562380
Ion	Ratio	Lower	Upper
105	100		
71	7.8	6.2	9.4
51	43.5	34.8	52.2
120	22.4	17.9	26.9





#23

Nitrobenzene-d5

Concen: 83.642 ng

RT: 7.492 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

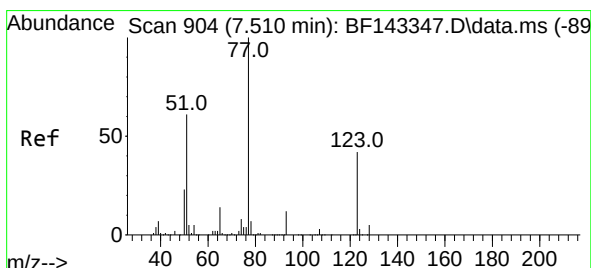
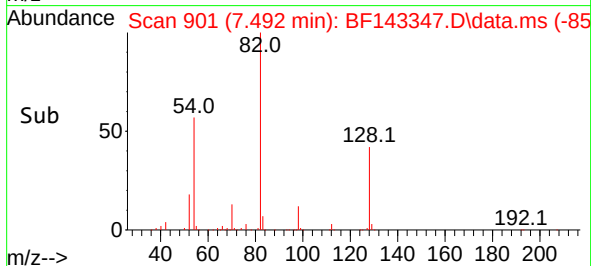
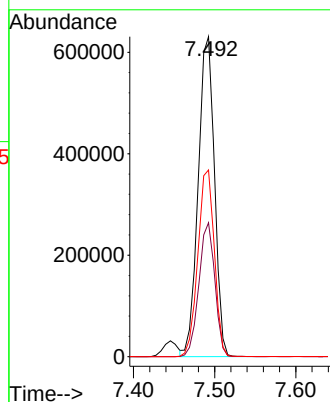
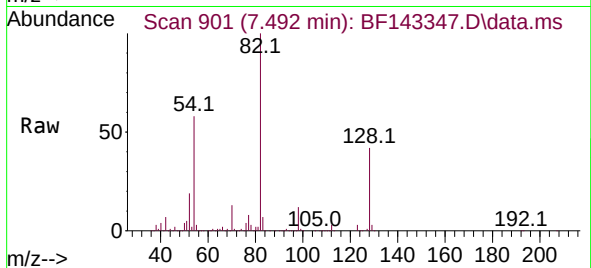
Tgt Ion: 82 Resp: 879802

Ion Ratio Lower Upper

82 100

128 41.9 33.5 50.3

54 58.4 46.7 70.1



#24

Nitrobenzene

Concen: 41.135 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

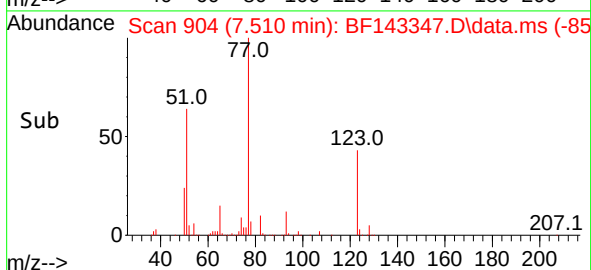
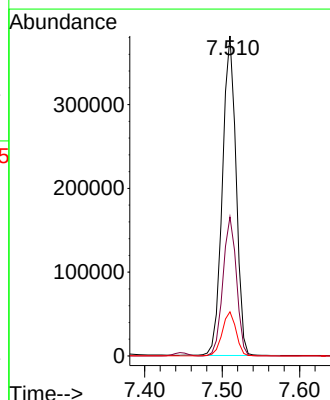
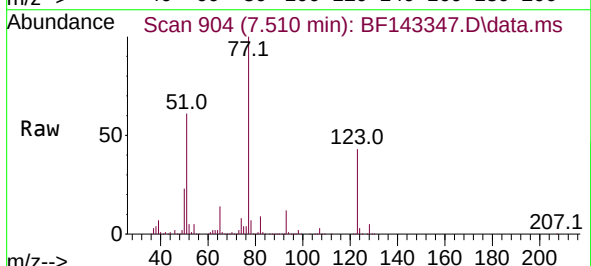
Tgt Ion: 77 Resp: 469916

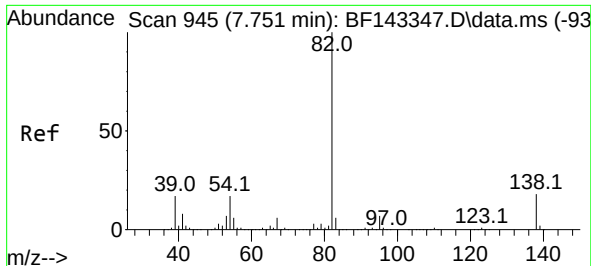
Ion Ratio Lower Upper

77 100

123 43.5 34.8 52.2

65 13.8 11.0 16.6

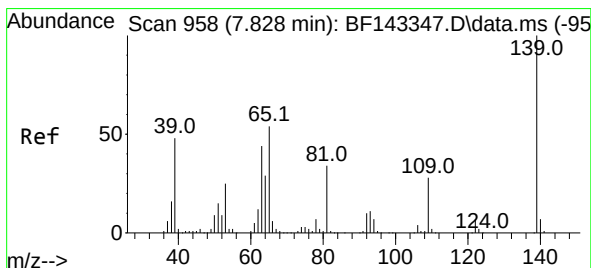
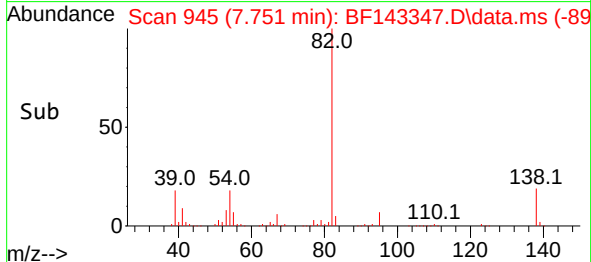
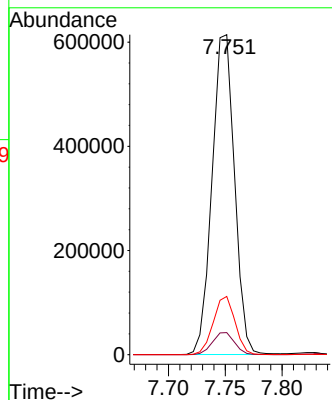
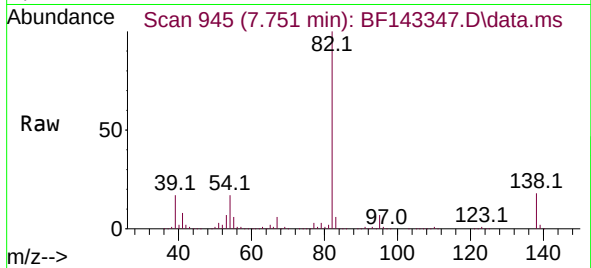




#25
Isophorone
Concen: 39.360 ng
RT: 7.751 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

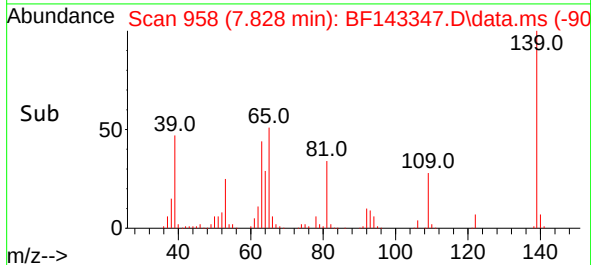
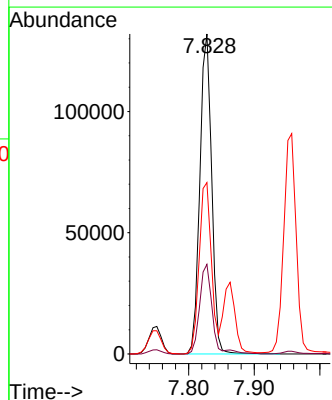
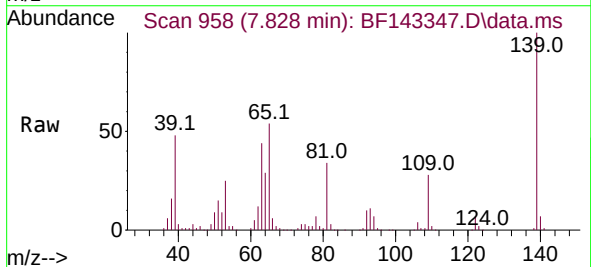
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

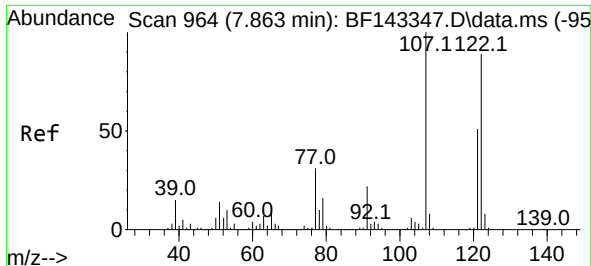
Tgt Ion: 82 Resp: 845188
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 18.2 14.6 21.8



#26
2-Nitrophenol
Concen: 37.083 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 139 Resp: 165661
Ion Ratio Lower Upper
139 100
109 28.0 22.4 33.6
65 53.6 42.9 64.3

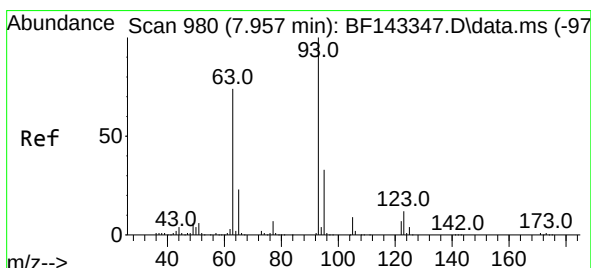
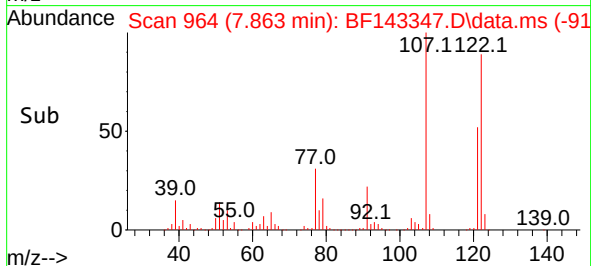
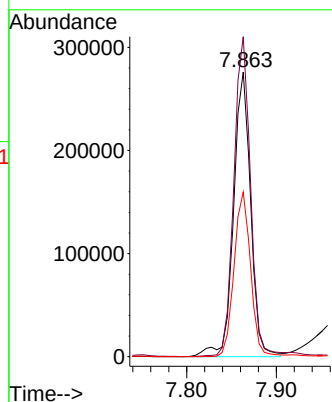
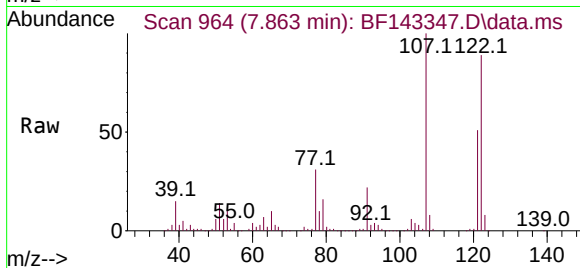




#27
2,4-Dimethylphenol
Concen: 40.820 ng
RT: 7.863 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

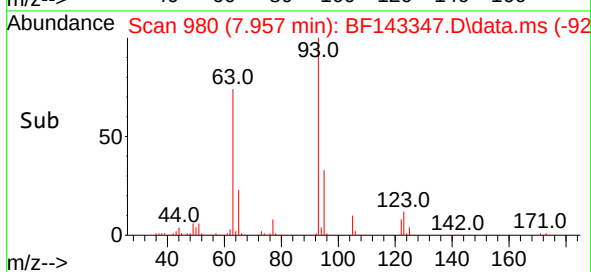
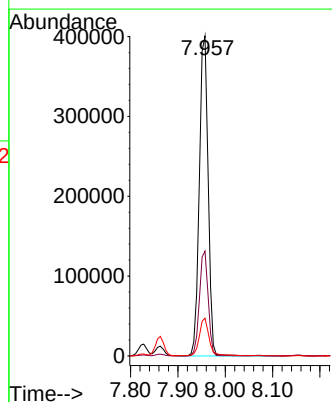
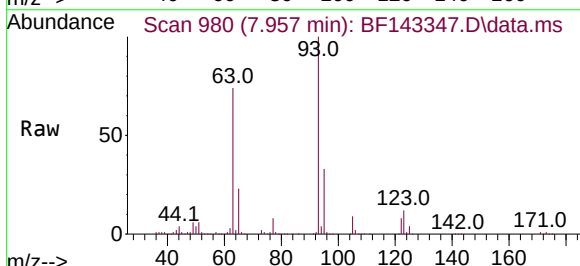
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

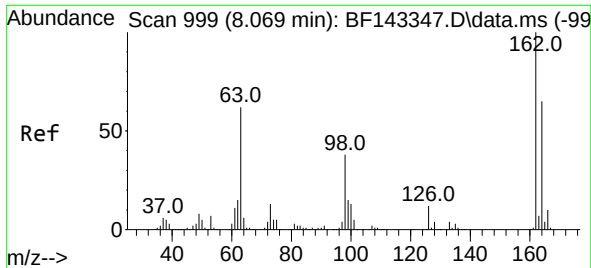
Tgt Ion:122 Resp: 365692
Ion Ratio Lower Upper
122 100
107 112.4 89.9 134.9
121 57.8 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 39.540 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 93 Resp: 518389
Ion Ratio Lower Upper
93 100
95 32.8 26.2 39.4
123 11.8 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 41.210 ng

RT: 8.069 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

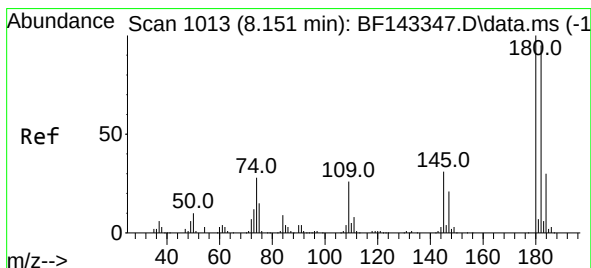
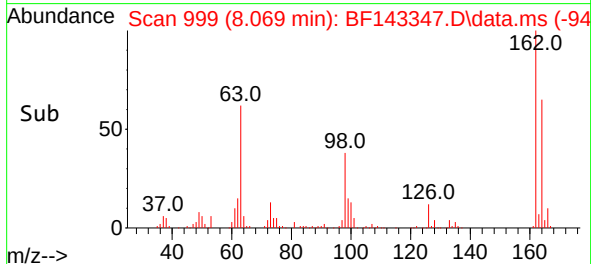
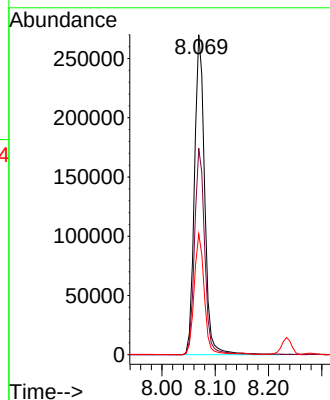
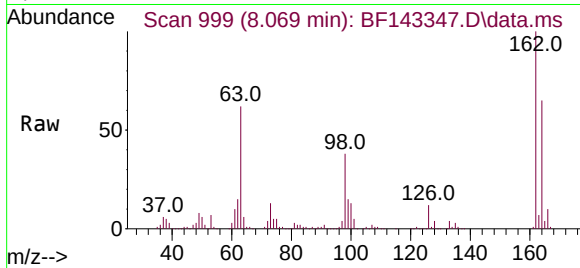
Tgt Ion:162 Resp: 360583

Ion Ratio Lower Upper

162 100

164 64.5 44.5 84.5

98 37.7 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 39.377 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

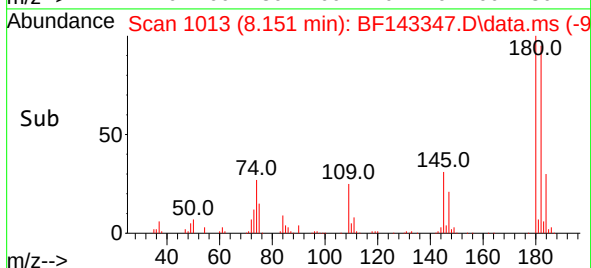
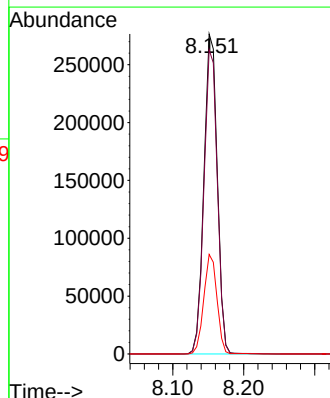
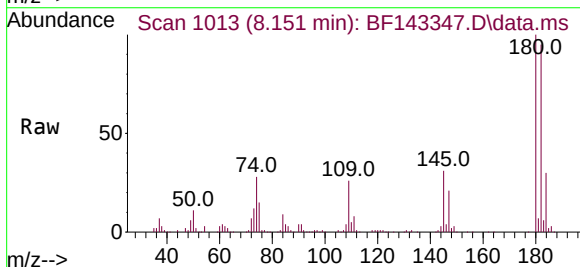
Tgt Ion:180 Resp: 363439

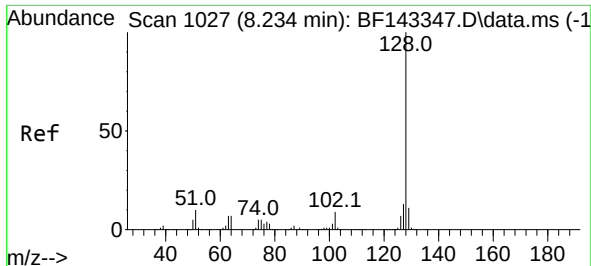
Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 31.1 24.9 37.3

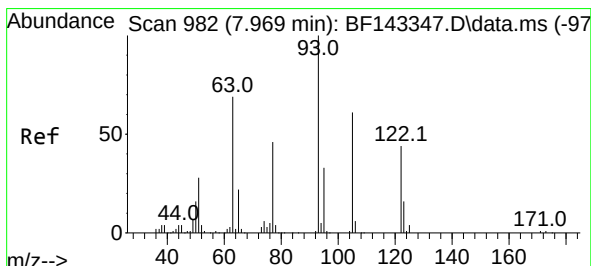
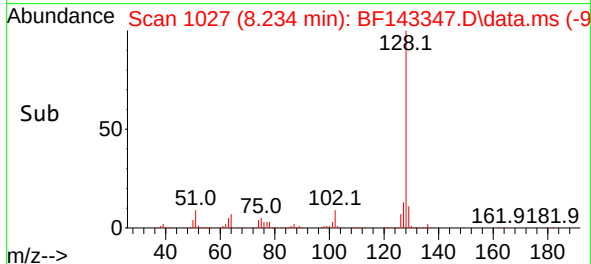
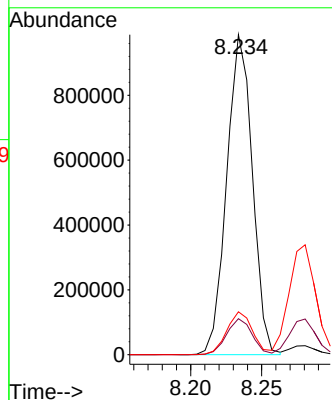
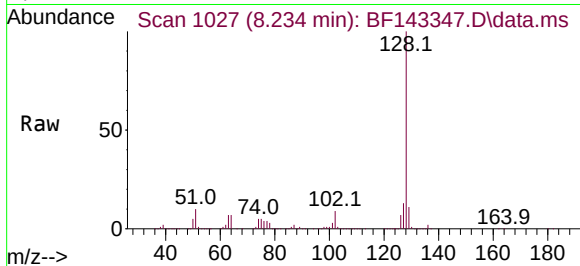




#31
Naphthalene
Concen: 39.250 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

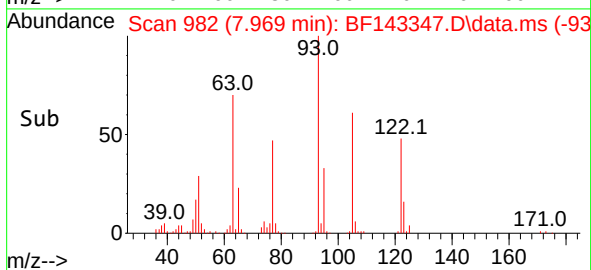
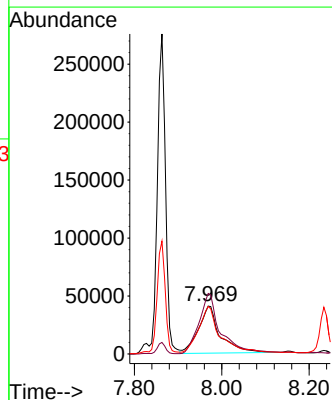
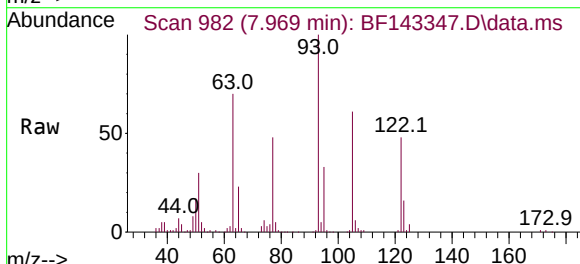
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

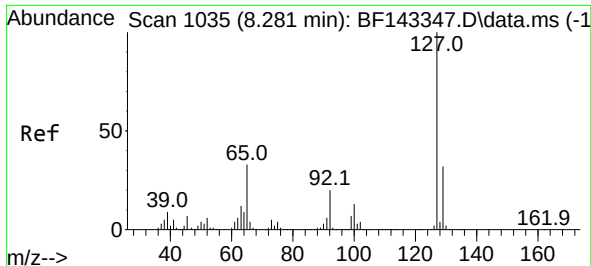
Tgt Ion:128 Resp: 1237121
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 39.021 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:122 Resp: 141523
Ion Ratio Lower Upper
122 100
105 126.4 106.4 146.4
77 99.2 79.2 119.2

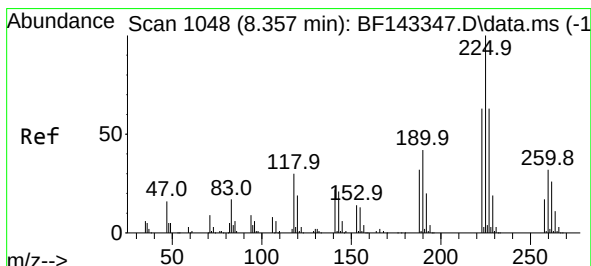
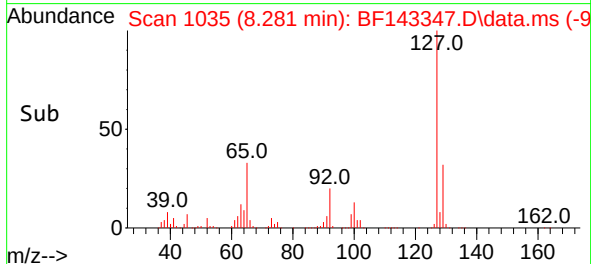
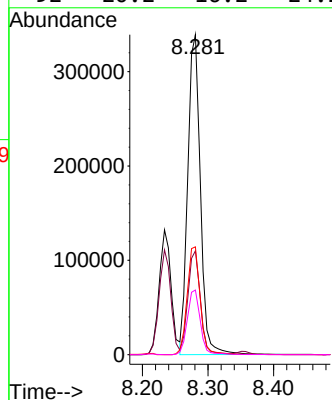
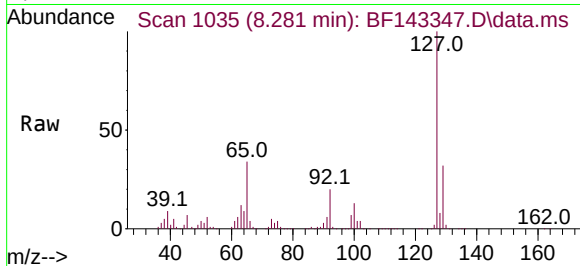




#33
4-Chloroaniline
Concen: 39.784 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

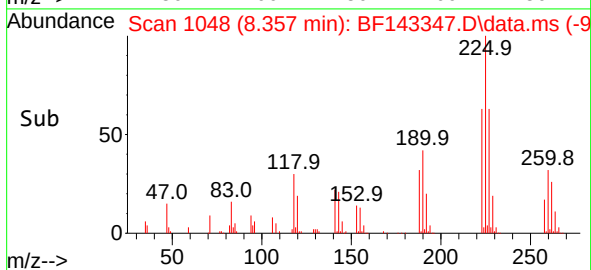
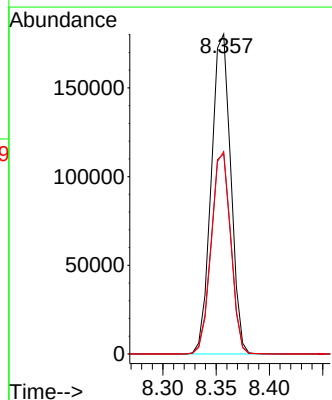
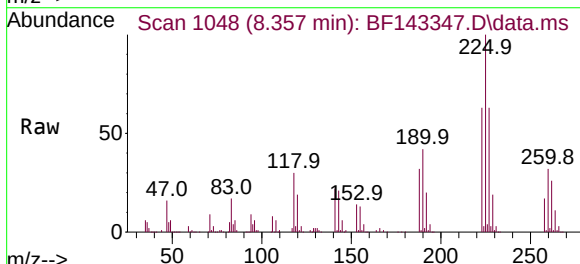
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

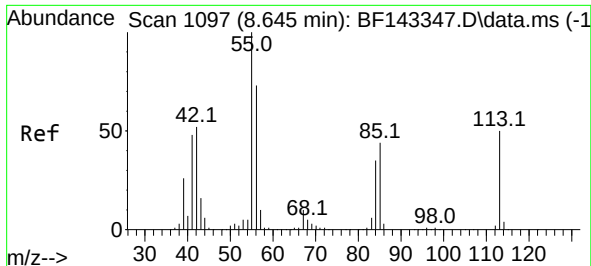
Tgt Ion:	127	Resp:	452276
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	33.7	27.0	40.4
92	20.2	16.2	24.2



#34
Hexachlorobutadiene
Concen: 39.902 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:	225	Resp:	229101
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.1	75.1
227	63.2	50.6	75.8

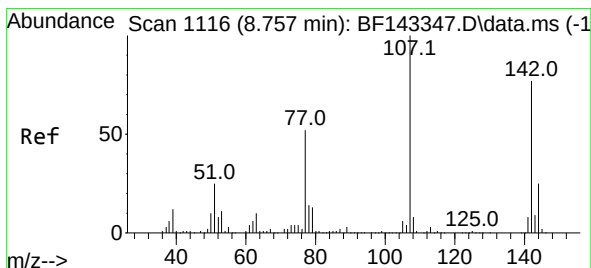
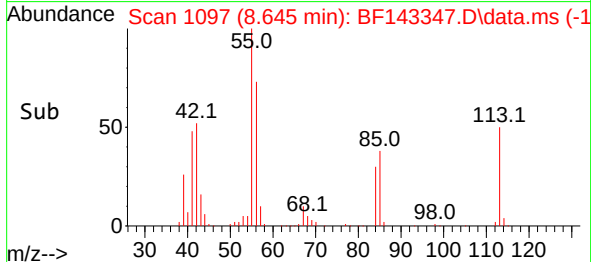
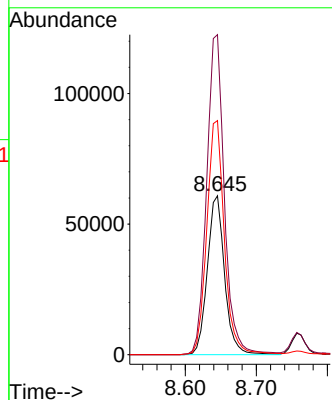
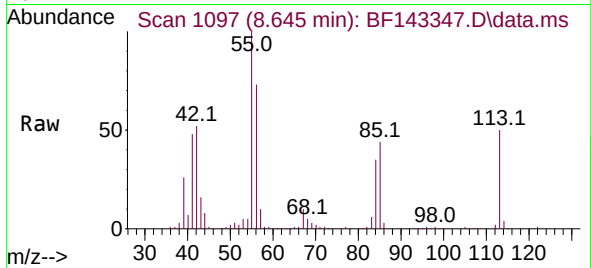




#35
 Caprolactam
 Concen: 41.884 ng
 RT: 8.645 min Scan# 1097
 Delta R.T. 0.000 min
 Lab File: BF143347.D
 Acq: 12 Aug 2025 11:06

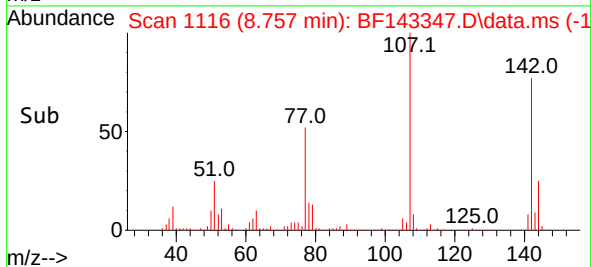
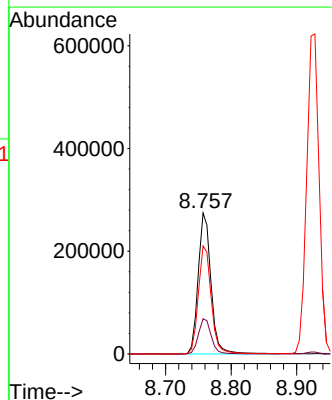
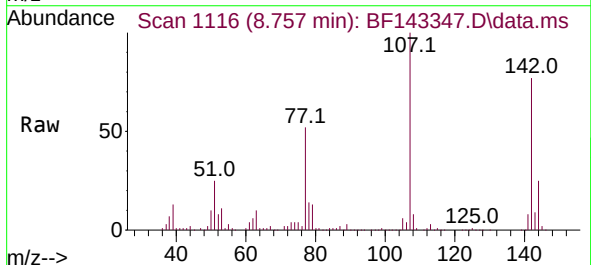
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040

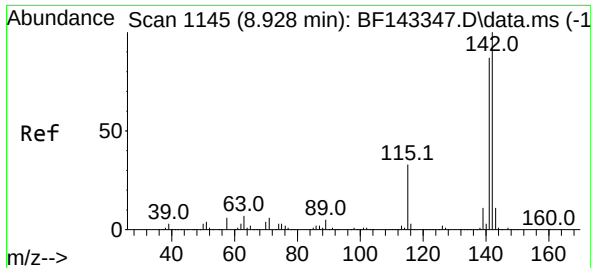
Tgt Ion:113 Resp: 103025
 Ion Ratio Lower Upper
 113 100
 55 201.4 181.4 221.4
 56 147.3 127.3 167.3



#36
 4-Chloro-3-methylphenol
 Concen: 40.883 ng
 RT: 8.757 min Scan# 1116
 Delta R.T. 0.000 min
 Lab File: BF143347.D
 Acq: 12 Aug 2025 11:06

Tgt Ion:107 Resp: 375017
 Ion Ratio Lower Upper
 107 100
 144 25.0 20.0 30.0
 142 76.6 61.3 91.9





#37

2-Methylnaphthalene

Concen: 39.298 ng

RT: 8.928 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

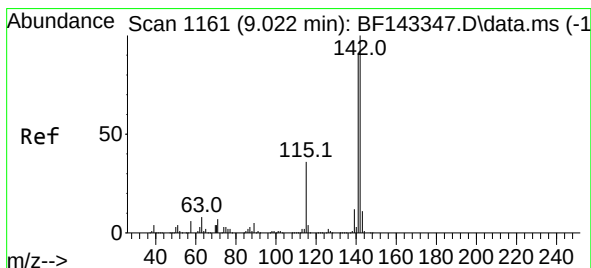
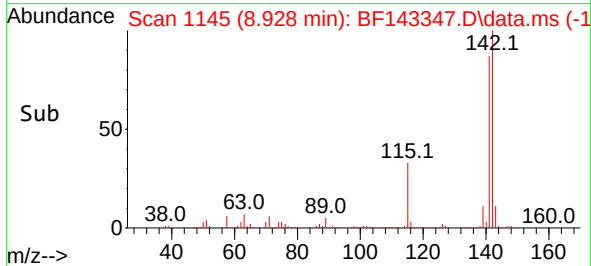
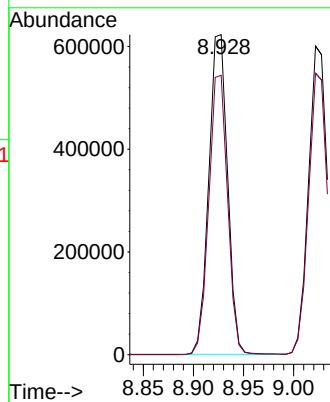
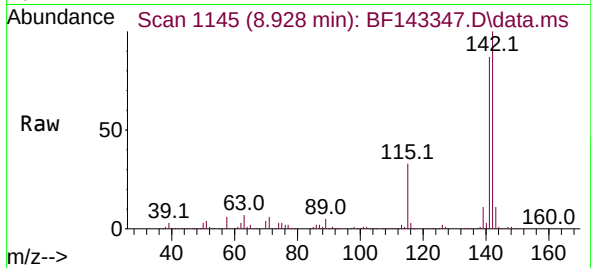
SSTDICCC040

Tgt Ion:142 Resp: 814304

Ion Ratio Lower Upper

142 100

141 87.3 69.8 104.8



#38

1-Methylnaphthalene

Concen: 39.075 ng

RT: 9.022 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF143347.D

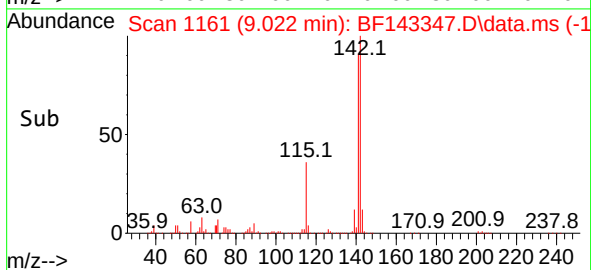
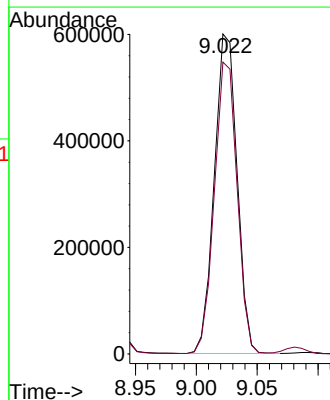
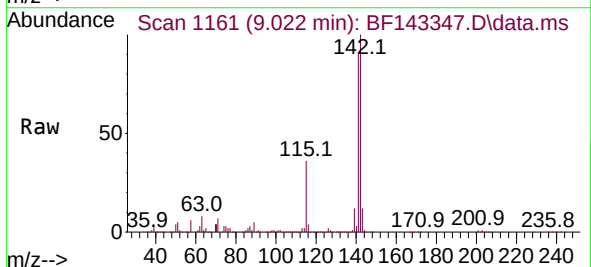
Acq: 12 Aug 2025 11:06

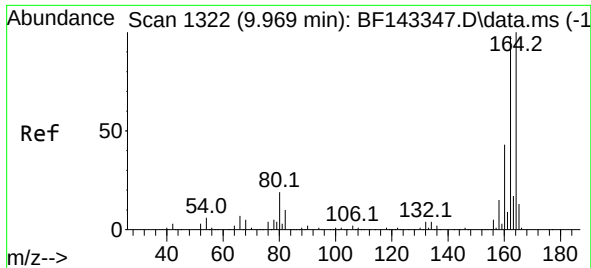
Tgt Ion:142 Resp: 779823

Ion Ratio Lower Upper

142 100

141 91.2 73.0 109.4

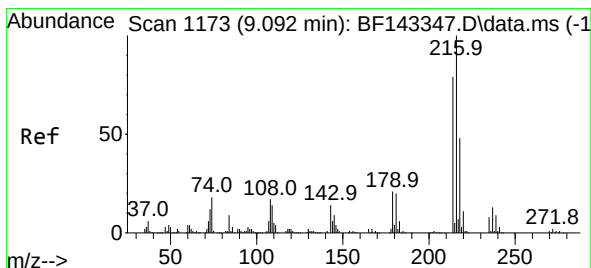
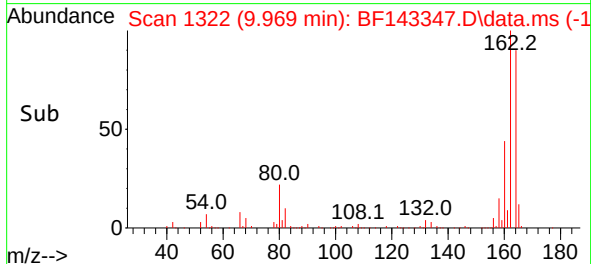
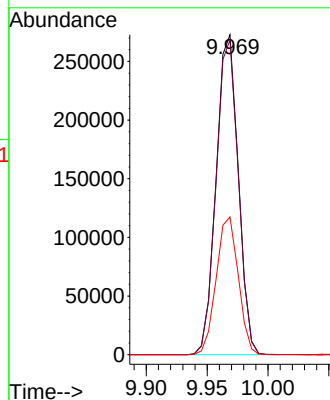
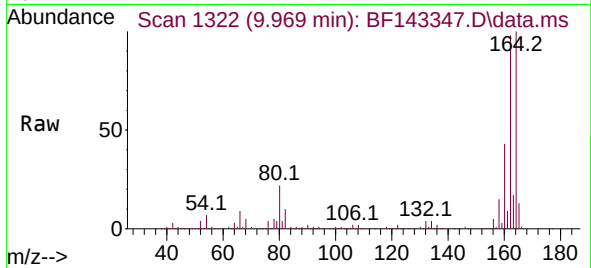




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

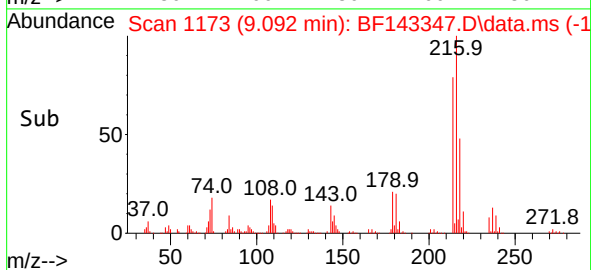
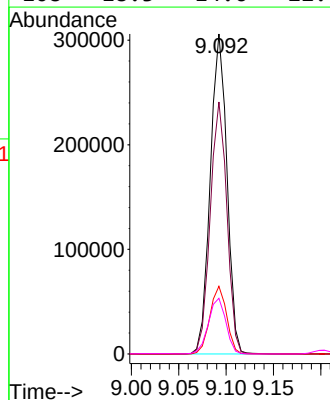
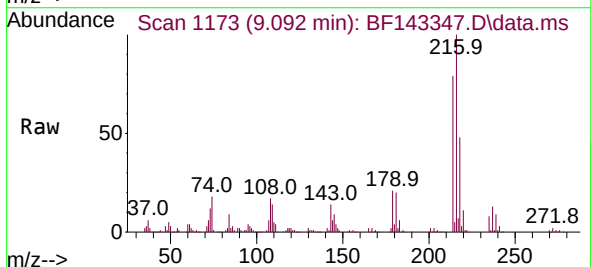
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

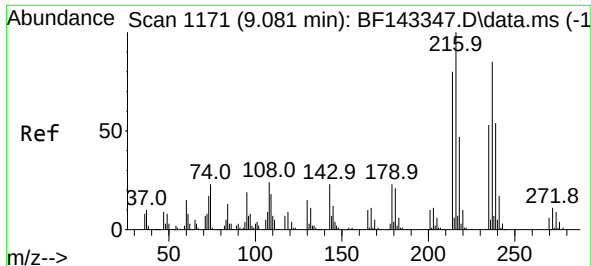
Tgt Ion:164 Resp: 345532
Ion Ratio Lower Upper
164 100
162 98.3 78.6 118.0
160 43.0 34.4 51.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.640 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:216 Resp: 374807
Ion Ratio Lower Upper
216 100
214 78.7 63.0 94.4
179 21.2 17.0 25.4
108 18.3 14.6 22.0

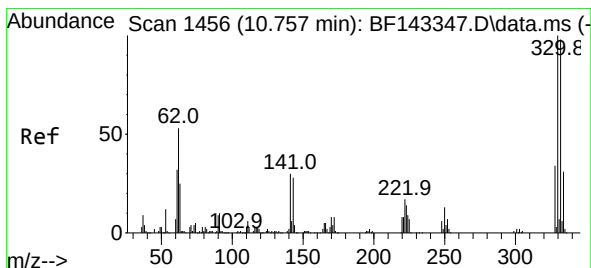
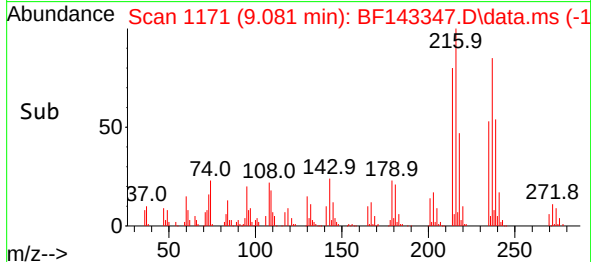
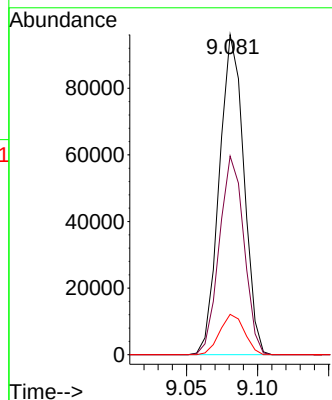
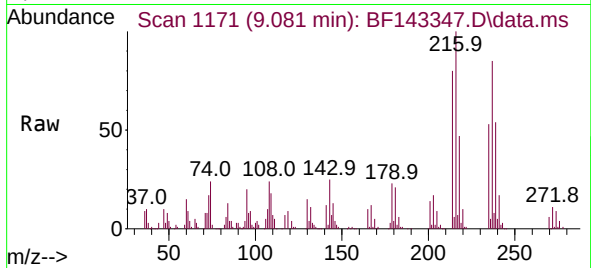




#41
Hexachlorocyclopentadiene
Concen: 38.401 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

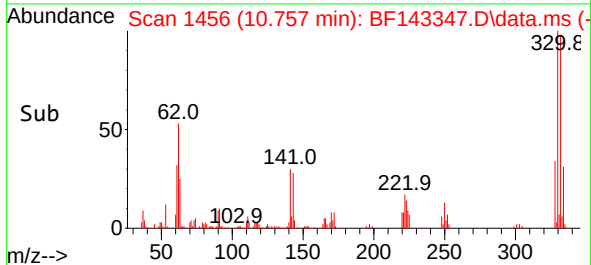
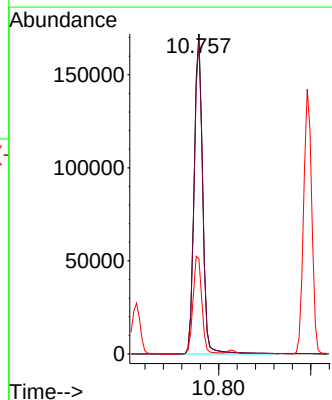
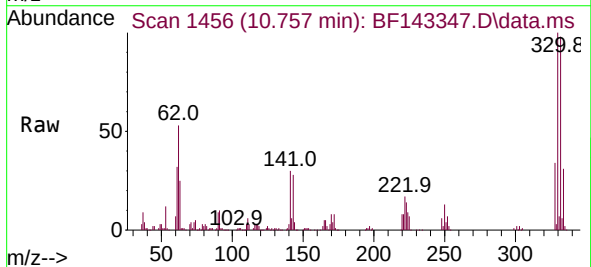
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

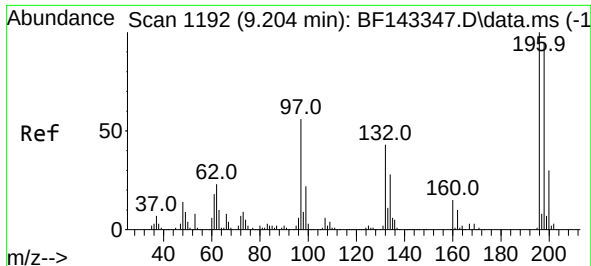
Tgt Ion:237 Resp: 115551
Ion Ratio Lower Upper
237 100
235 62.0 42.0 82.0
272 12.6 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 87.313 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:330 Resp: 220484
Ion Ratio Lower Upper
330 100
332 97.6 78.1 117.1
141 31.7 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 43.008 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

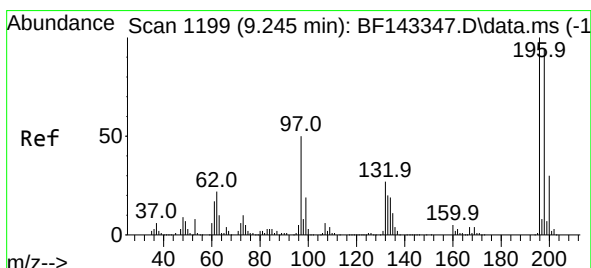
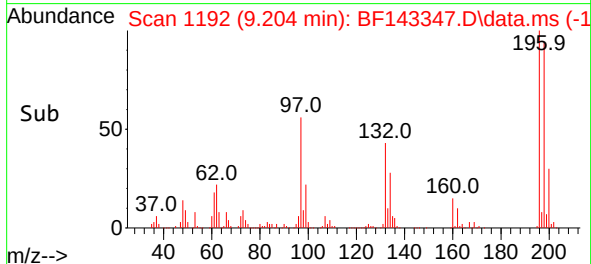
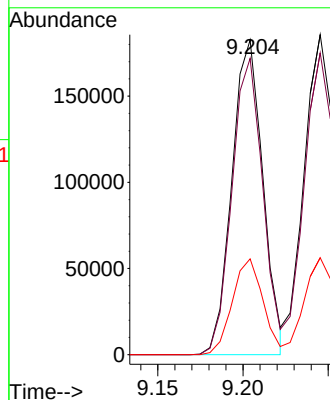
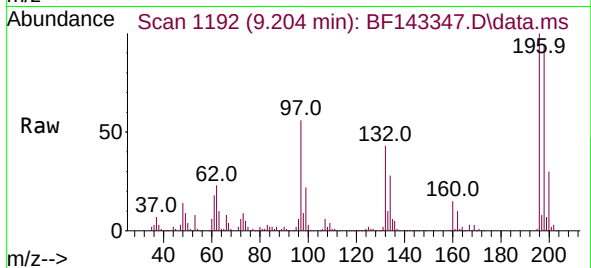
Tgt Ion:196 Resp: 230730

Ion Ratio Lower Upper

196 100

198 94.2 75.4 113.0

200 30.4 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 43.029 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Tgt Ion:196 Resp: 260681

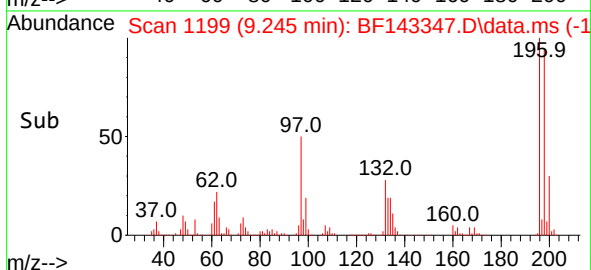
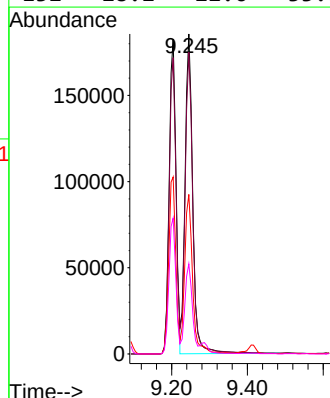
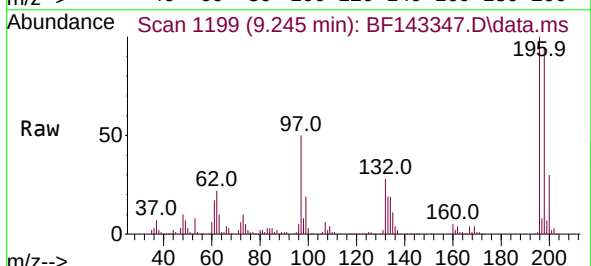
Ion Ratio Lower Upper

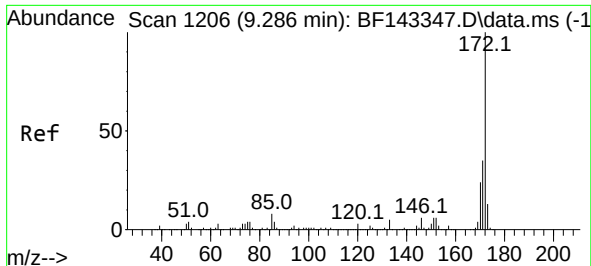
196 100

198 94.3 75.4 113.2

97 49.9 39.9 59.9

132 28.2 22.6 33.8

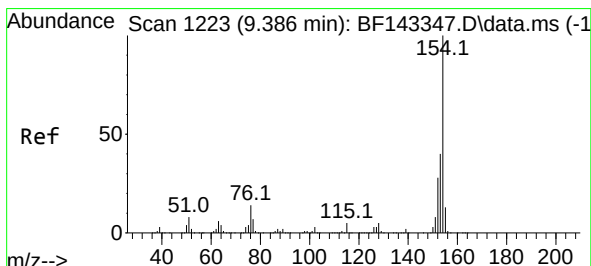
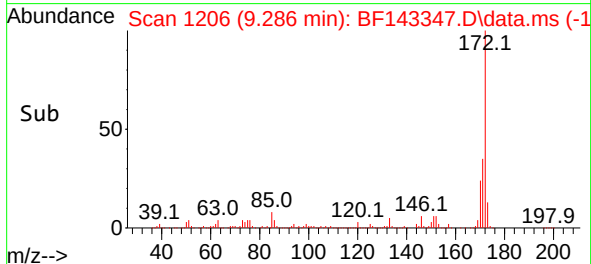
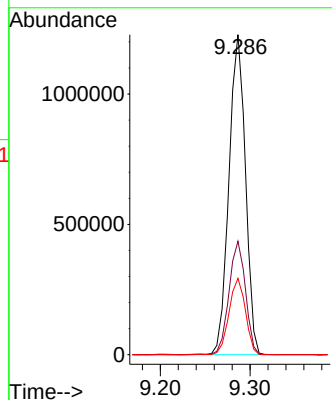
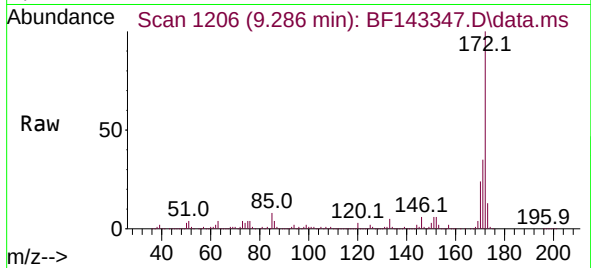




#45
2-Fluorobiphenyl
Concen: 76.811 ng
RT: 9.286 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

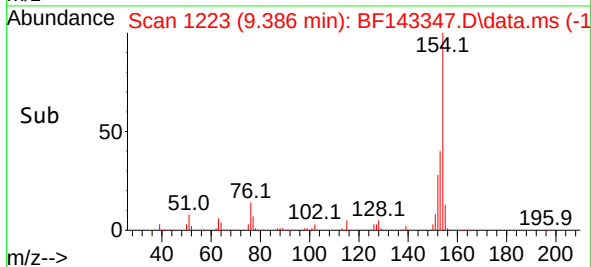
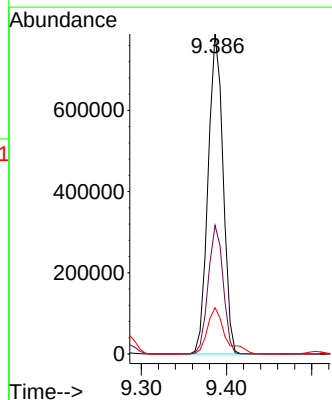
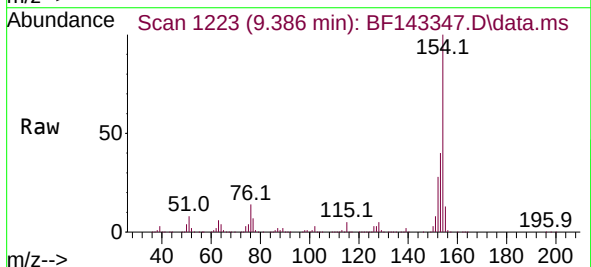
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

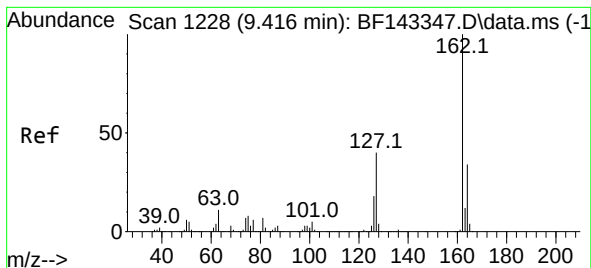
Tgt Ion:172 Resp: 1565121
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.9 19.1 28.7



#46
1,1'-Biphenyl
Concen: 39.285 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:154 Resp: 959774
Ion Ratio Lower Upper
154 100
153 40.2 20.2 60.2
76 14.4 0.0 34.4





#47

2-Chloronaphthalene

Concen: 39.322 ng

RT: 9.416 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

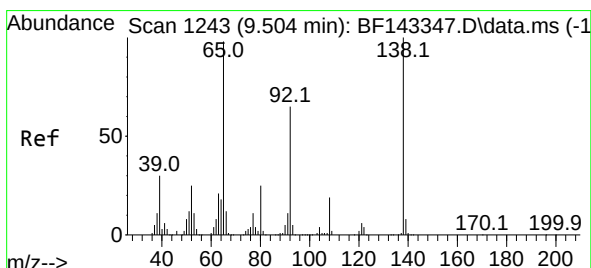
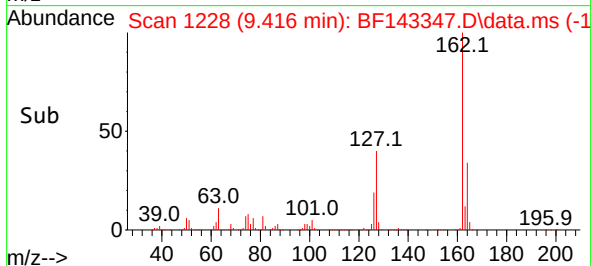
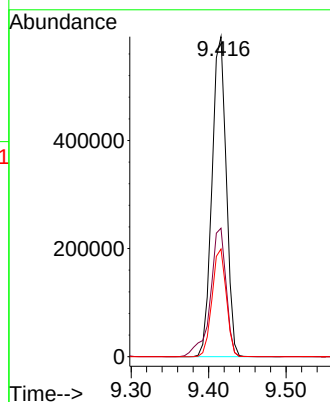
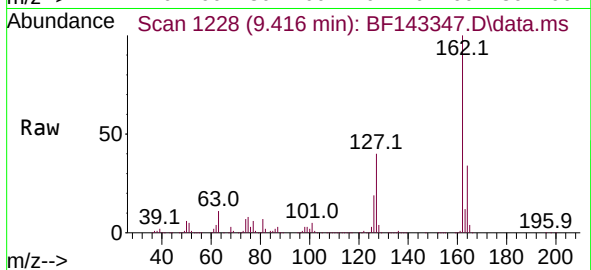
Tgt Ion:162 Resp: 756597

Ion Ratio Lower Upper

162 100

127 40.1 32.1 48.1

164 33.7 27.0 40.4



#48

2-Nitroaniline

Concen: 39.058 ng

RT: 9.504 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

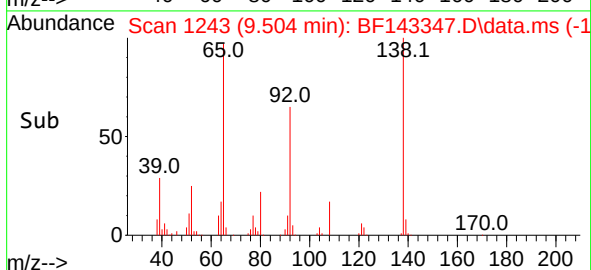
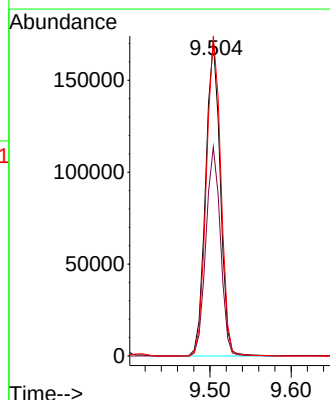
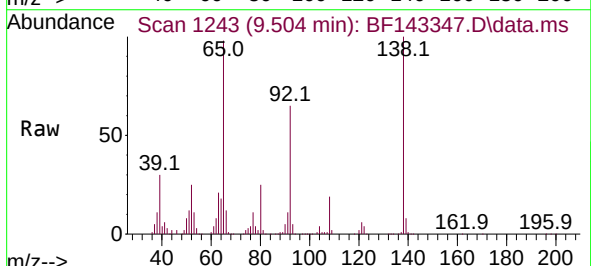
Tgt Ion: 65 Resp: 213717

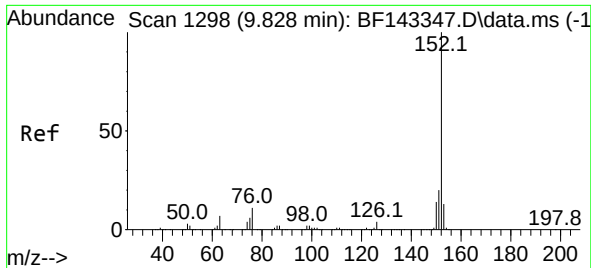
Ion Ratio Lower Upper

65 100

92 66.4 53.1 79.7

138 101.7 81.4 122.0

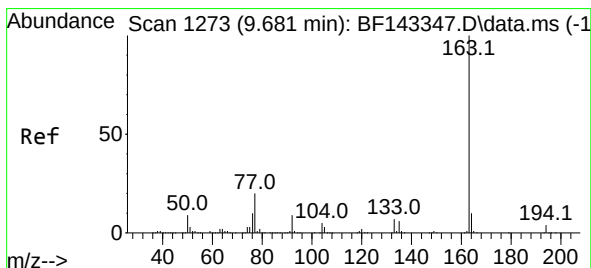
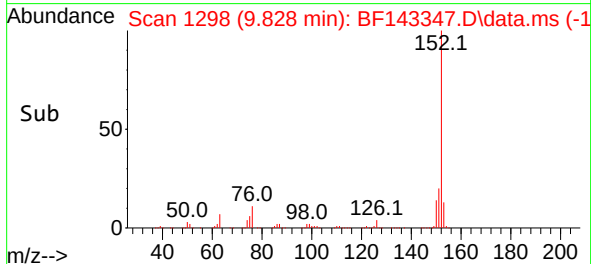
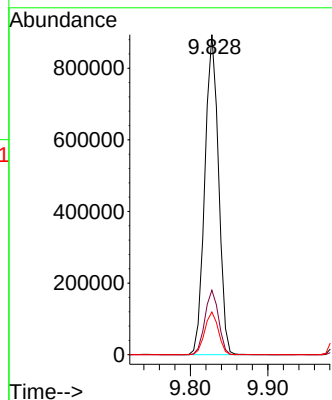
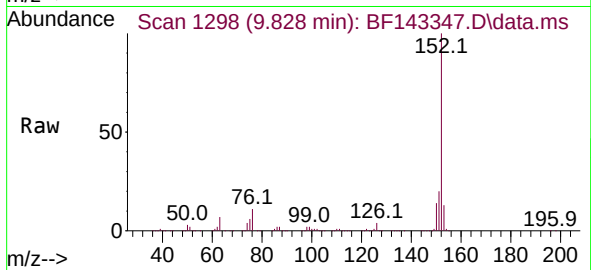




#49
Acenaphthylene
Concen: 39.490 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

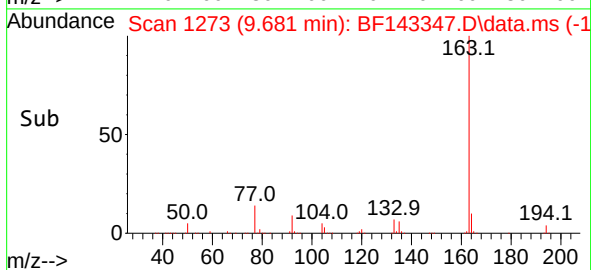
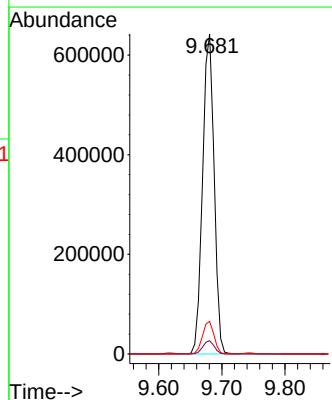
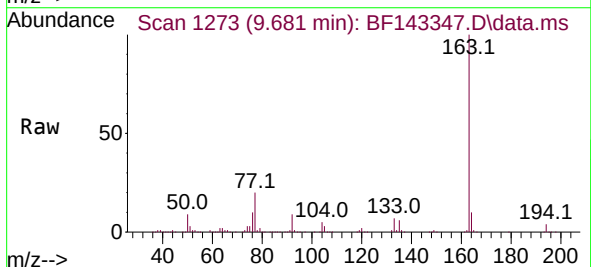
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

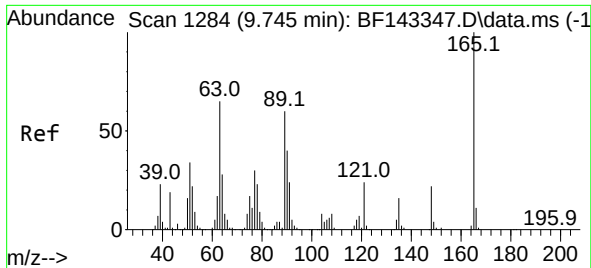
Tgt Ion:152 Resp: 1097291
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 40.398 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:163 Resp: 815627
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.2 8.2 12.2

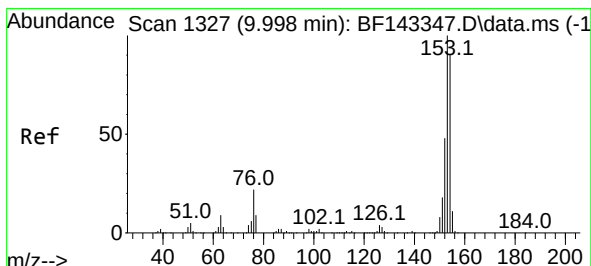
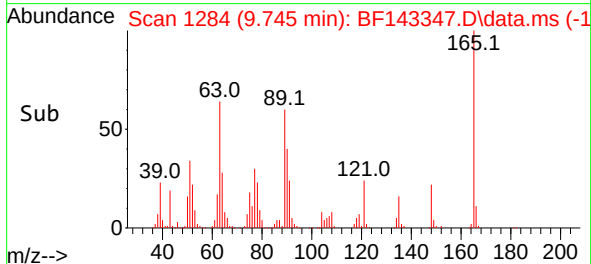
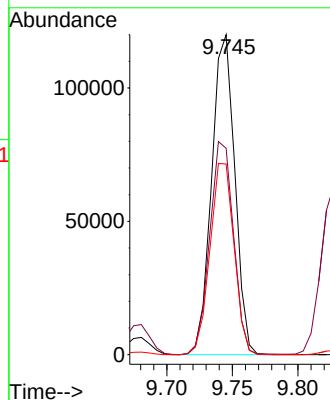
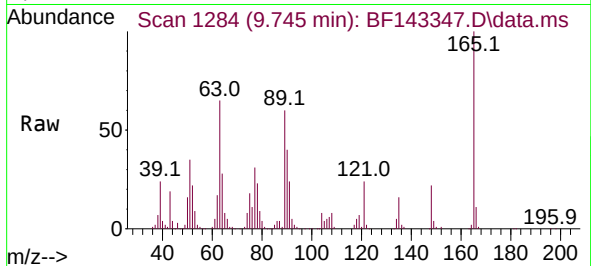




#51
2,6-Dinitrotoluene
Concen: 39.128 ng
RT: 9.745 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

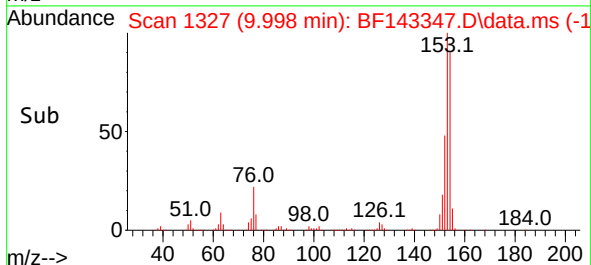
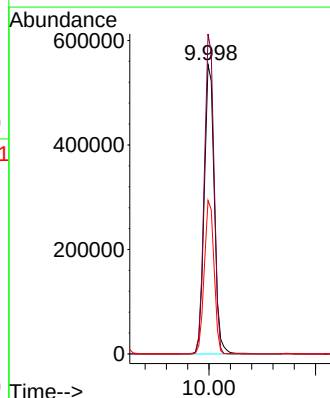
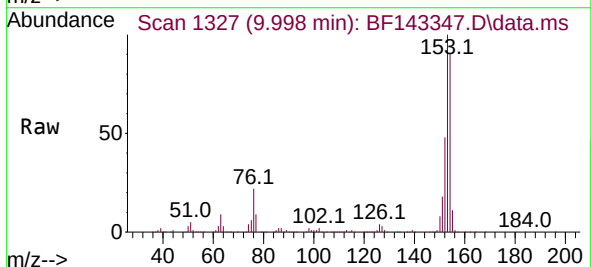
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

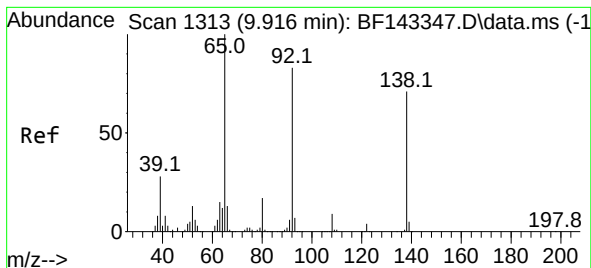
Tgt Ion:165 Resp: 147260
Ion Ratio Lower Upper
165 100
63 64.5 51.6 77.4
89 59.6 47.7 71.5



#52
Acenaphthene
Concen: 39.446 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:154 Resp: 728691
Ion Ratio Lower Upper
154 100
153 110.6 88.5 132.7
152 53.0 42.4 63.6

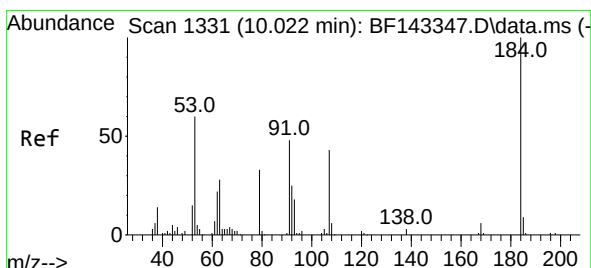
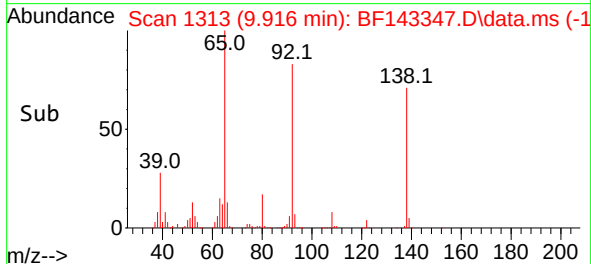
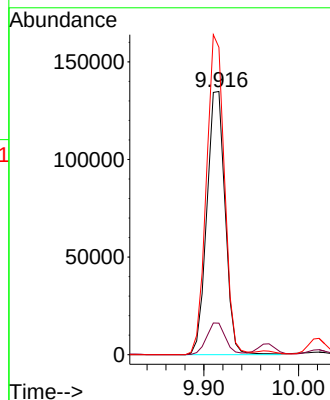
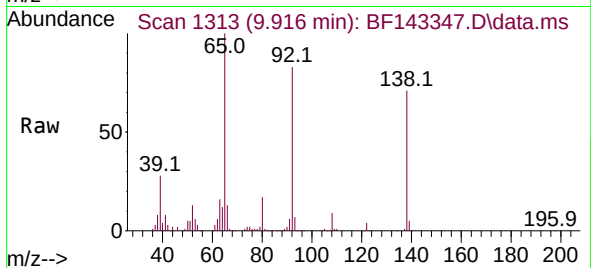




#53
3-Nitroaniline
Concen: 43.642 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

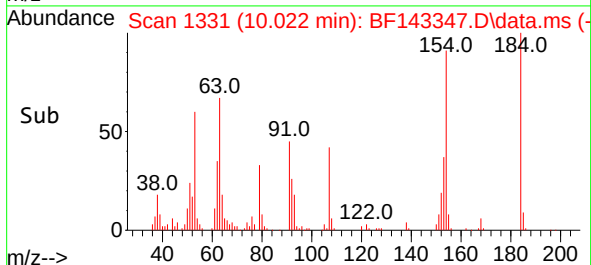
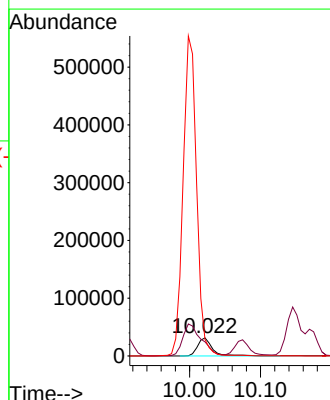
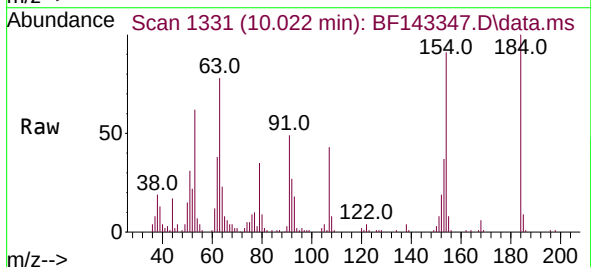
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

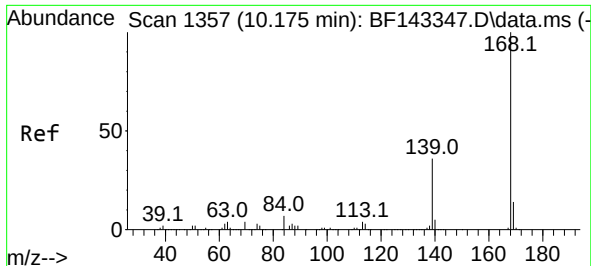
Tgt Ion:138 Resp: 180447
Ion Ratio Lower Upper
138 100
108 12.0 9.6 14.4
92 116.8 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 39.434 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:184 Resp: 45578
Ion Ratio Lower Upper
184 100
63 78.1 62.5 93.7
154 91.2 73.0 109.4

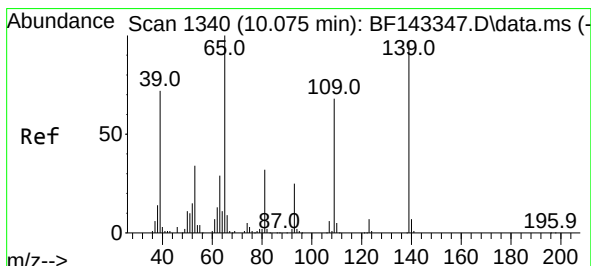
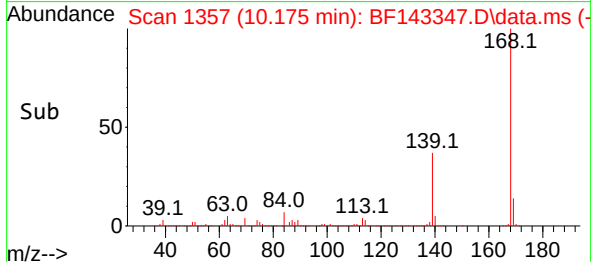
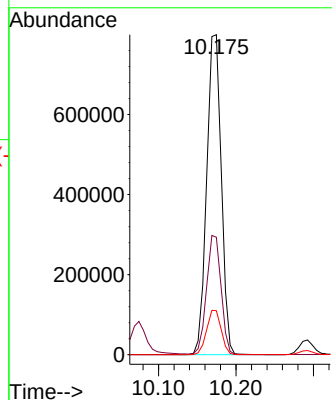
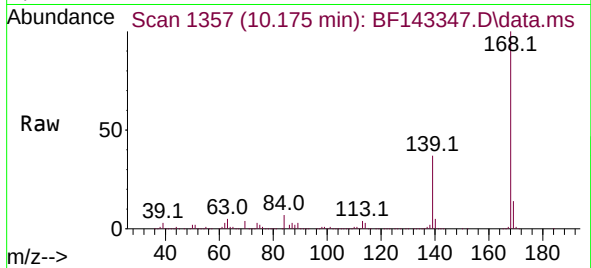




#55
Dibenzofuran
Concen: 39.267 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

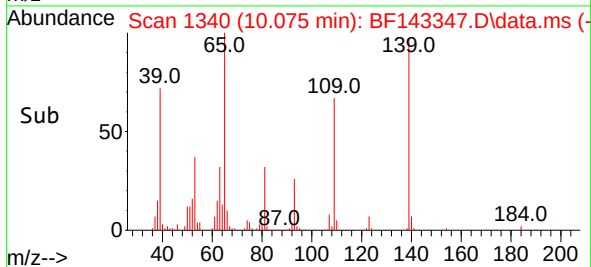
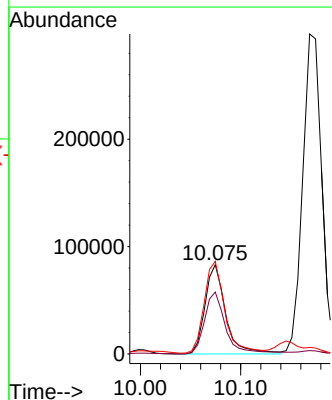
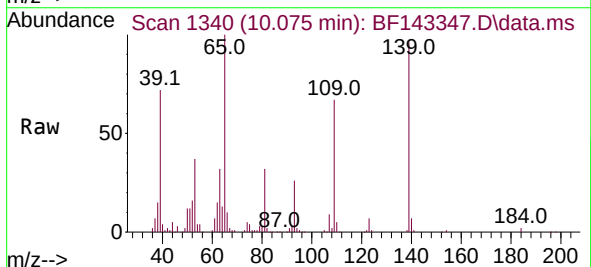
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

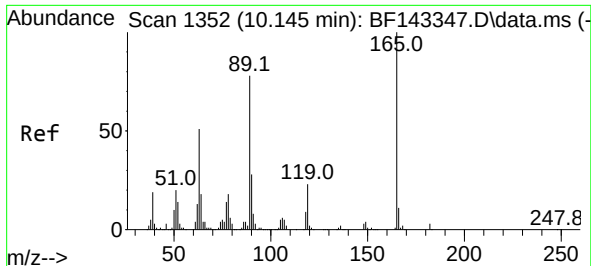
Tgt Ion:168 Resp: 1043986
Ion Ratio Lower Upper
168 100
139 36.7 29.4 44.0
169 13.8 11.0 16.6



#56
4-Nitrophenol
Concen: 39.132 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:139 Resp: 119387
Ion Ratio Lower Upper
139 100
109 69.4 49.4 89.4
65 103.7 83.7 123.7

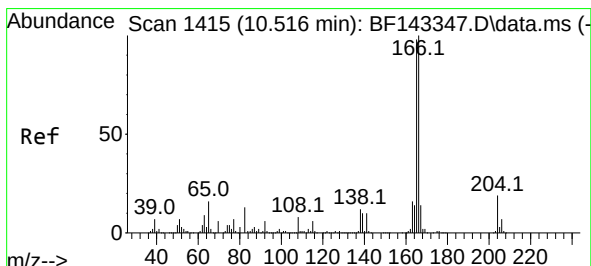
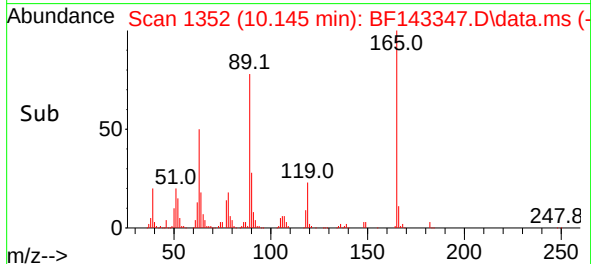
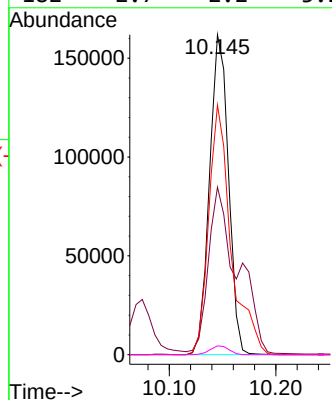
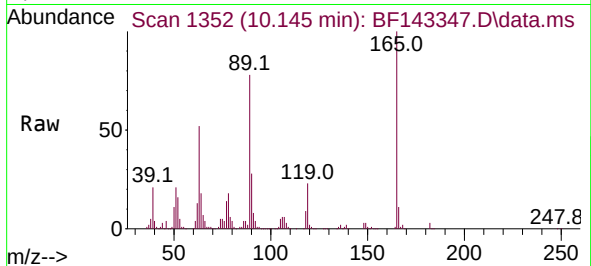




#57
2,4-Dinitrotoluene
Concen: 39.946 ng
RT: 10.145 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

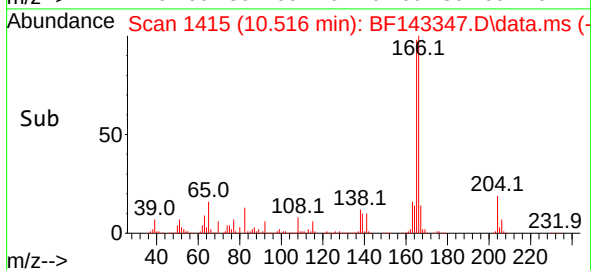
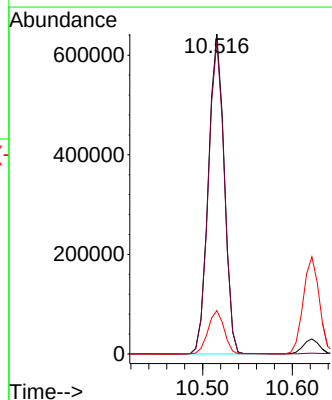
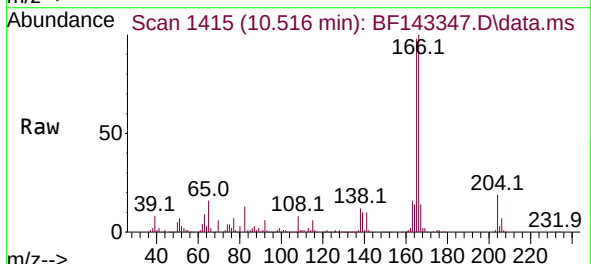
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

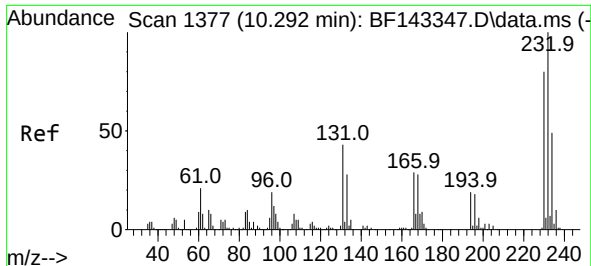
Tgt Ion:165	Resp:	199781
Ion Ratio	Lower	Upper
165	100	
63	52.3	41.8 62.8
89	78.0	62.4 93.6
182	2.7	2.2 3.2



#58
Fluorene
Concen: 38.860 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

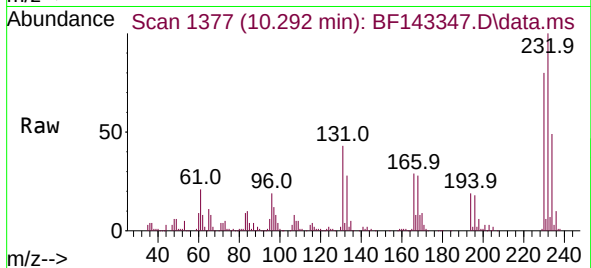
Tgt Ion:166	Resp:	789149
Ion Ratio	Lower	Upper
166	100	
165	97.8	78.2 117.4
167	13.6	10.9 16.3



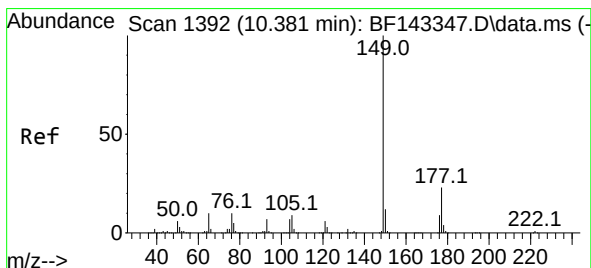
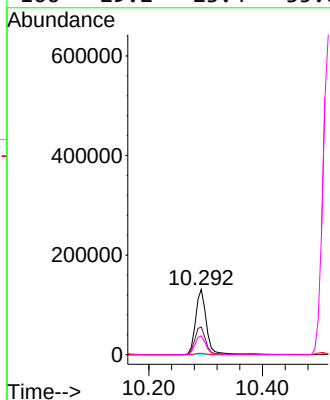
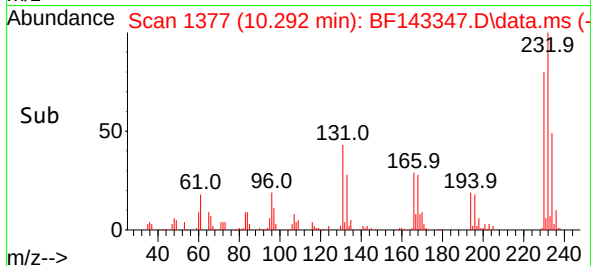


#59
2,3,4,6-Tetrachlorophenol
Concen: 43.137 ng
RT: 10.292 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

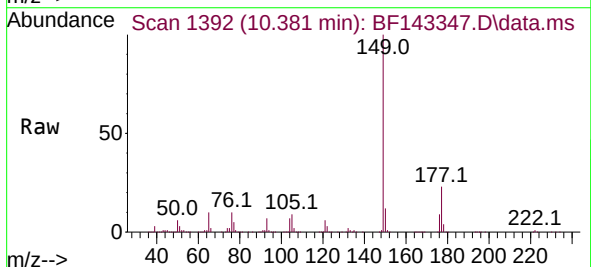
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



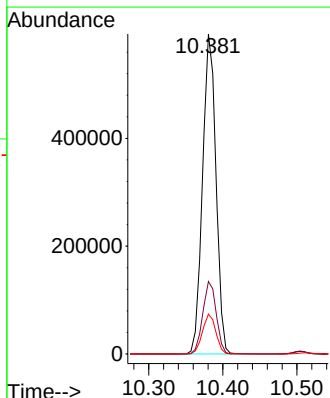
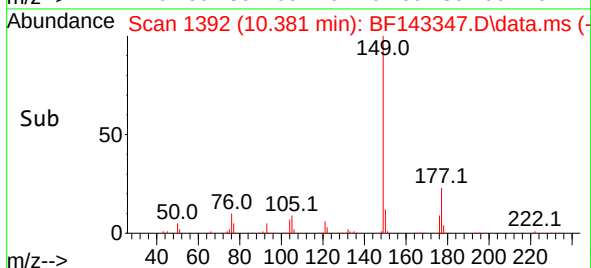
Tgt Ion:232 Resp: 176166
Ion Ratio Lower Upper
232 100
131 43.2 34.6 51.8
130 2.1 1.7 2.5
166 29.2 23.4 35.0

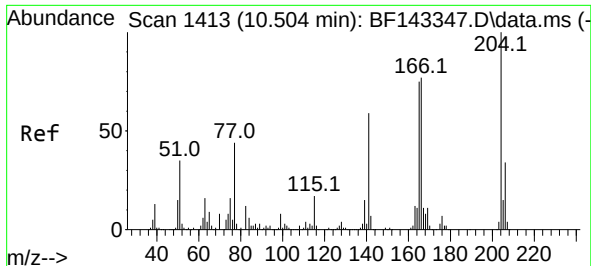


#60
Diethylphthalate
Concen: 41.295 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06



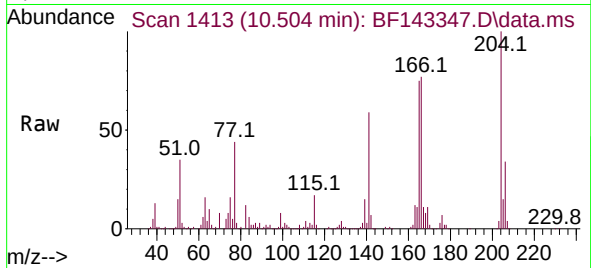
Tgt Ion:149 Resp: 746813
Ion Ratio Lower Upper
149 100
177 22.7 18.2 27.2
150 12.4 9.9 14.9



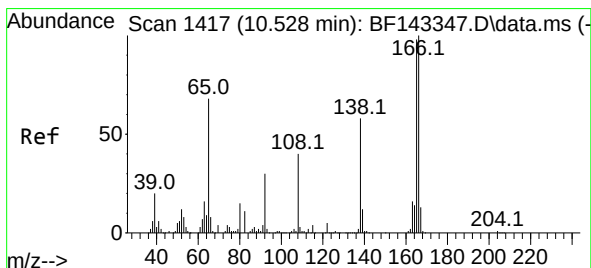
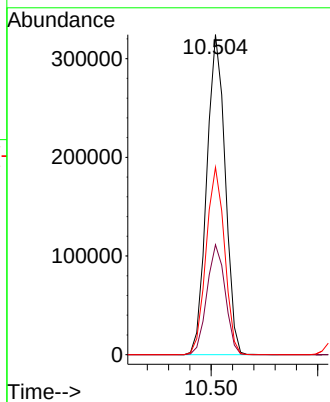
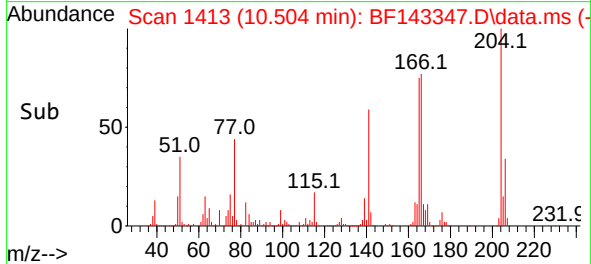


#61
4-Chlorophenyl-phenylether
Concen: 39.656 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

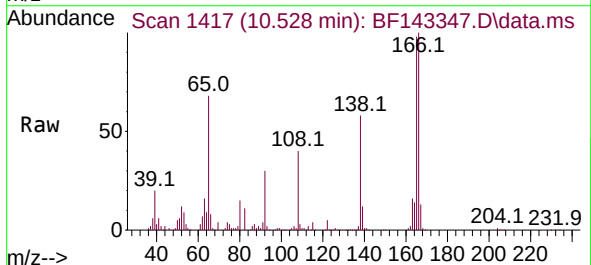
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



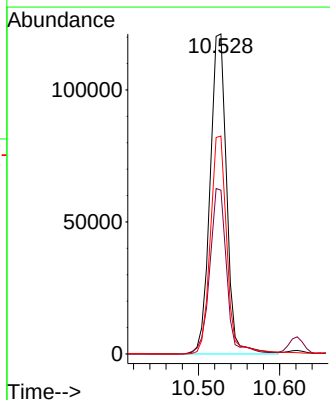
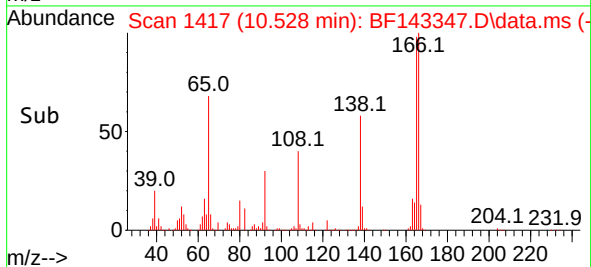
Tgt Ion:204 Resp: 389122
Ion Ratio Lower Upper
204 100
206 34.3 27.4 41.2
141 58.6 46.9 70.3

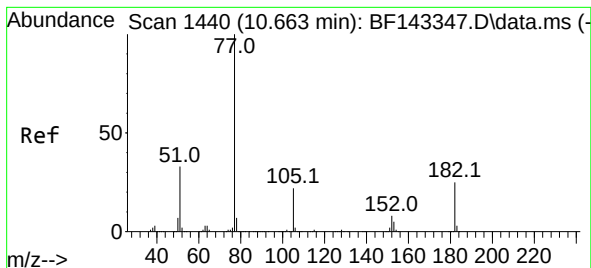


#62
4-Nitroaniline
Concen: 42.946 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06



Tgt Ion:138 Resp: 171799
Ion Ratio Lower Upper
138 100
92 51.2 31.2 71.2
108 68.1 48.1 88.1

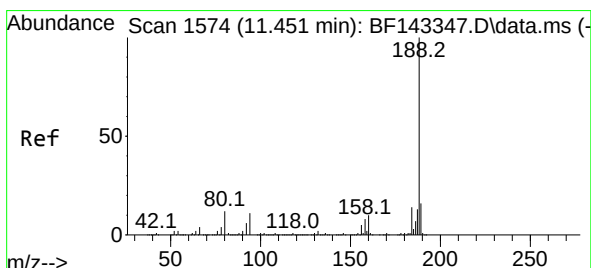
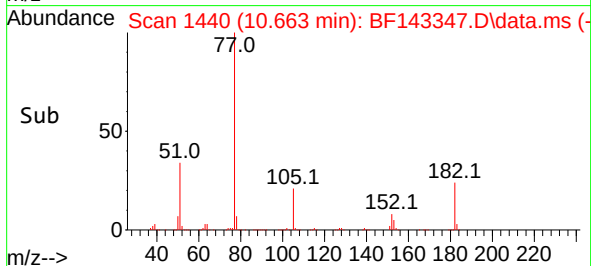
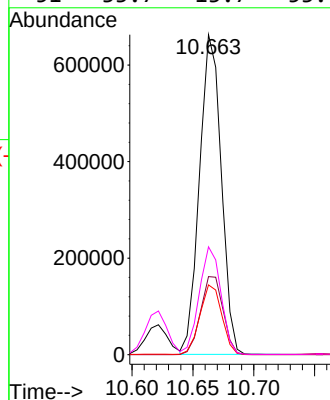
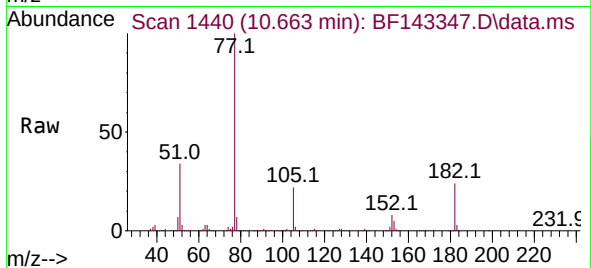




#63
Azobenzene
Concen: 39.906 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

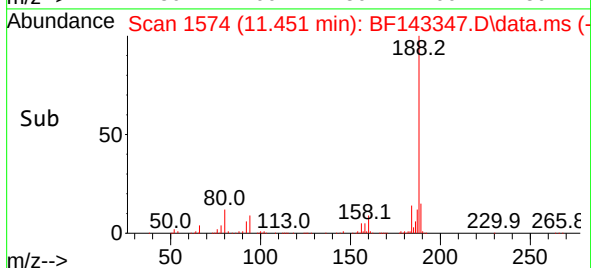
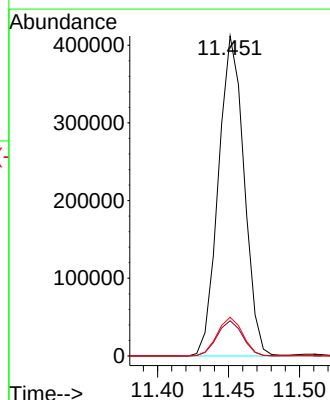
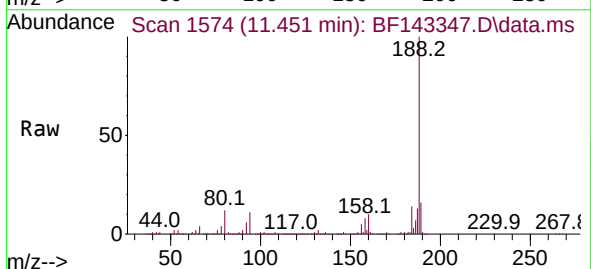
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

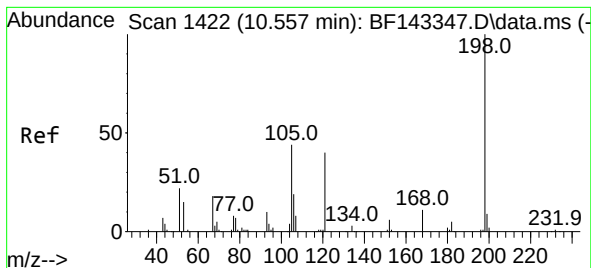
Tgt Ion: 77	Resp: 824319
Ion Ratio	Lower Upper
77 100	
182 24.4	4.4 44.4
105 21.8	1.8 41.8
51 33.7	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:188	Resp: 517467
Ion Ratio	Lower Upper
188 100	
94 11.0	8.8 13.2
80 12.1	9.7 14.5

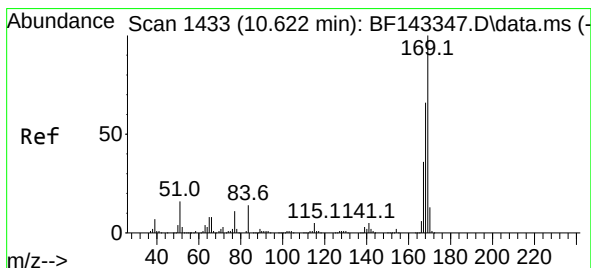
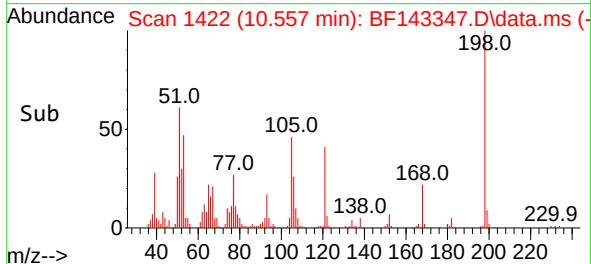
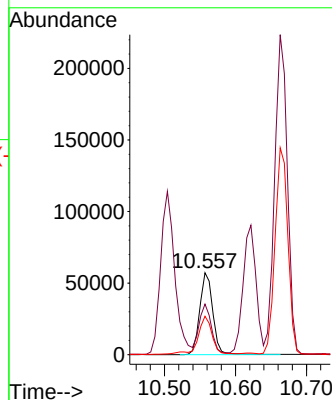
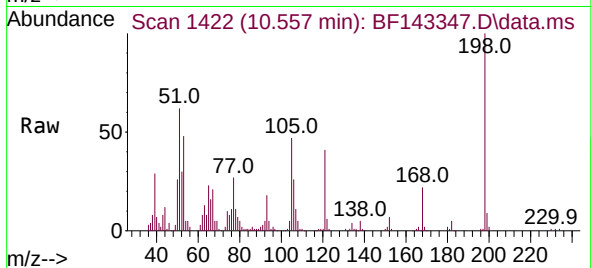




#65
4,6-Dinitro-2-methylphenol
Concen: 37.049 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

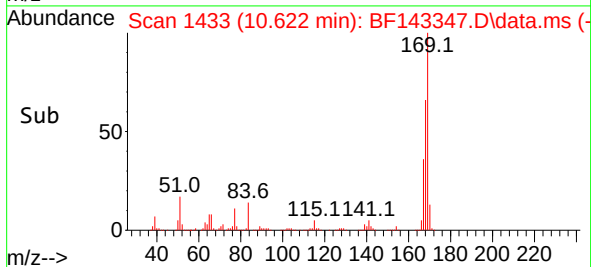
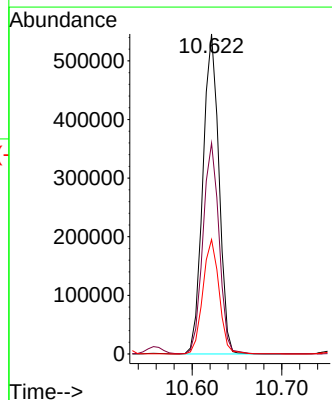
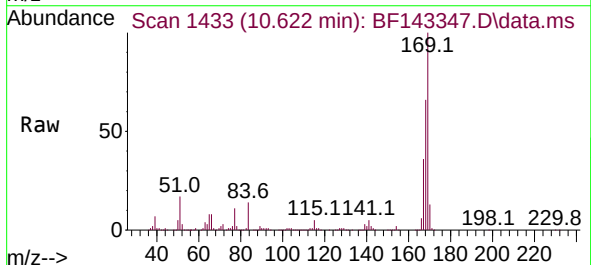
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

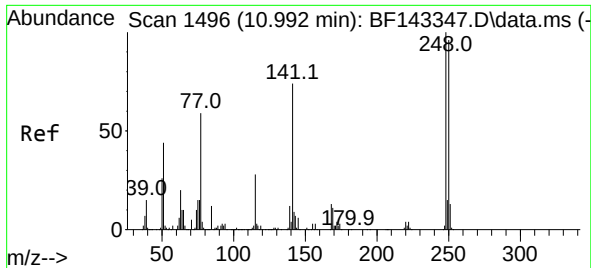
Tgt Ion:198 Resp: 73478
Ion Ratio Lower Upper
198 100
51 61.7 41.7 81.7
105 46.8 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 39.800 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:169 Resp: 678152
Ion Ratio Lower Upper
169 100
168 65.9 52.7 79.1
167 35.7 28.6 42.8

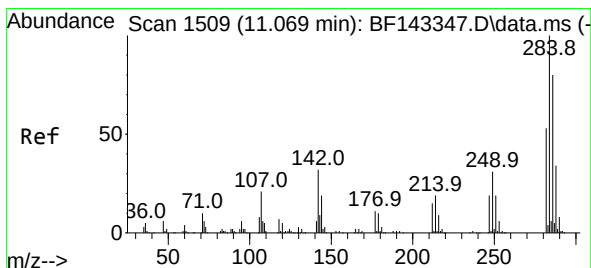
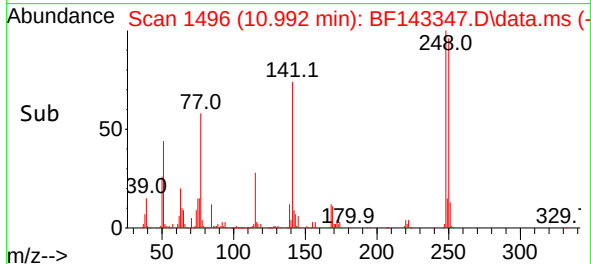
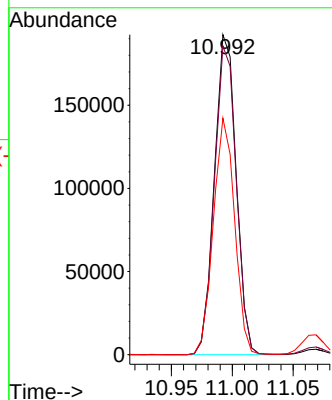
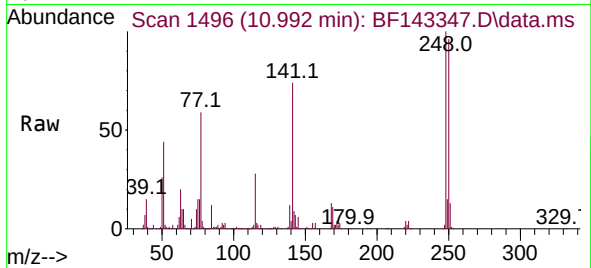




#67
4-Bromophenyl-phenylether
Concen: 40.461 ng
RT: 10.992 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

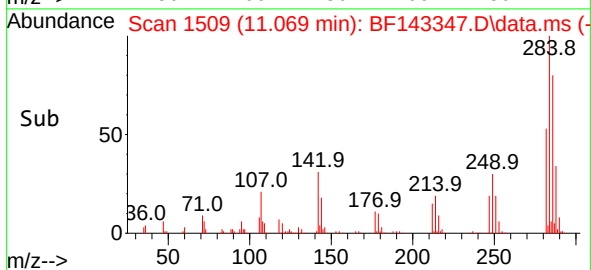
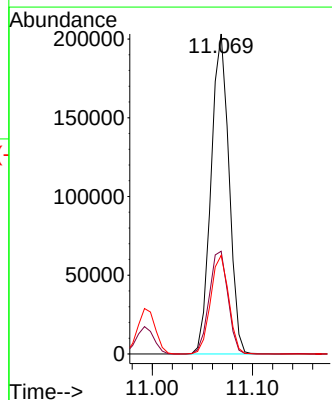
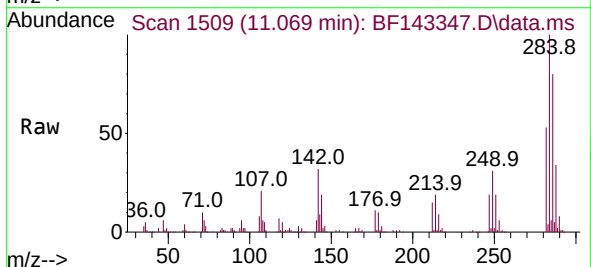
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

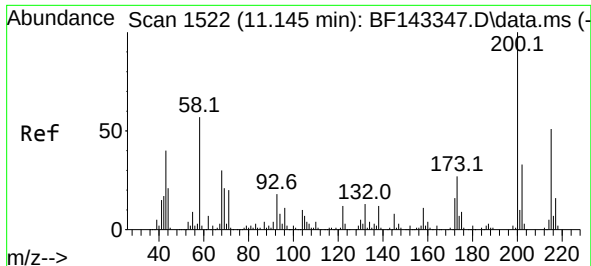
Tgt Ion:	248	Resp:	239456
Ion Ratio	Lower	Upper	
248	100		
250	96.4	77.1	115.7
141	73.9	59.1	88.7



#68
Hexachlorobenzene
Concen: 39.589 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:	284	Resp:	252547
Ion Ratio	Lower	Upper	
284	100		
142	32.1	25.7	38.5
249	30.8	24.6	37.0

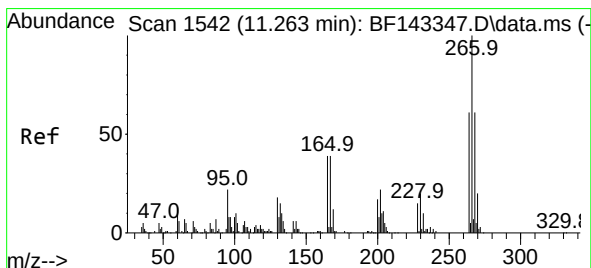
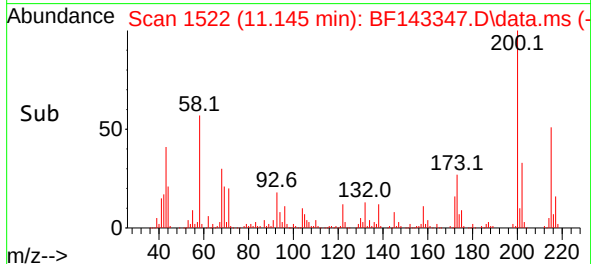
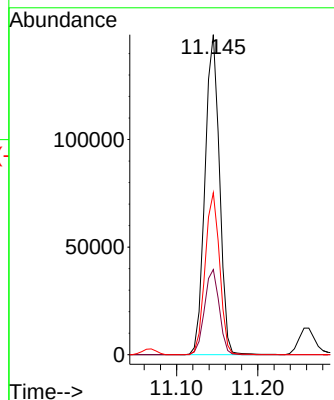
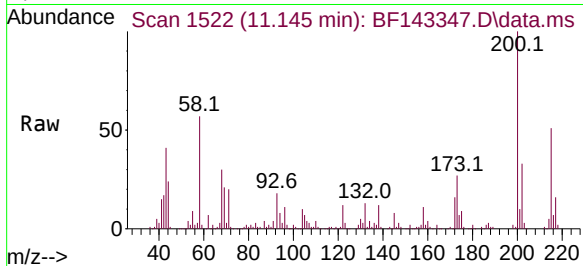




#69
 Atrazine
 Concen: 41.534 ng
 RT: 11.145 min Scan# 1522
 Delta R.T. 0.000 min
 Lab File: BF143347.D
 Acq: 12 Aug 2025 11:06

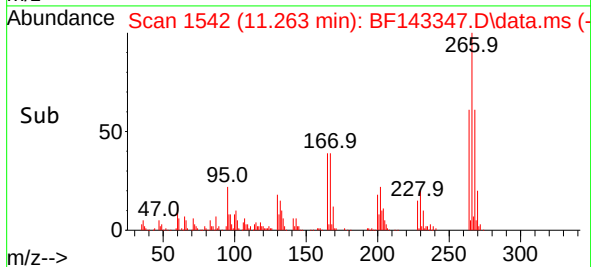
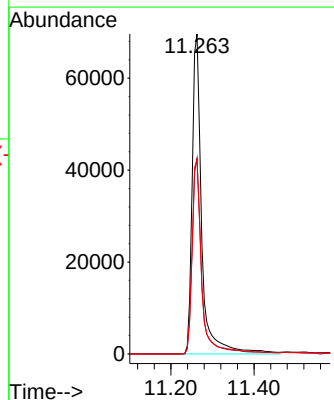
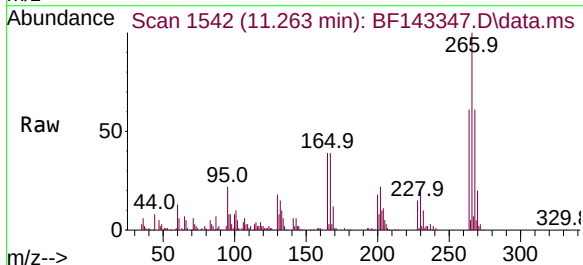
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

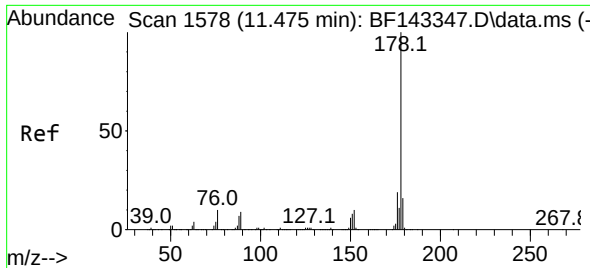
Tgt Ion:200 Resp: 184584
 Ion Ratio Lower Upper
 200 100
 173 26.6 6.6 46.6
 215 50.6 30.6 70.6



#70
 Pentachlorophenol
 Concen: 39.119 ng
 RT: 11.263 min Scan# 1542
 Delta R.T. -0.000 min
 Lab File: BF143347.D
 Acq: 12 Aug 2025 11:06

Tgt Ion:266 Resp: 111946
 Ion Ratio Lower Upper
 266 100
 268 61.0 48.8 73.2
 264 61.0 48.8 73.2

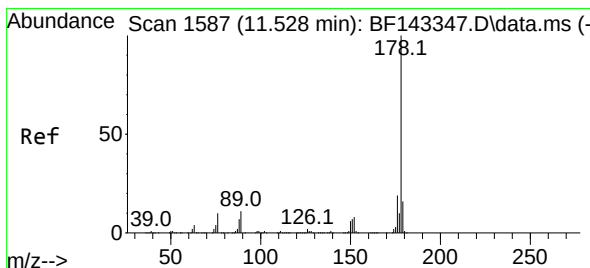
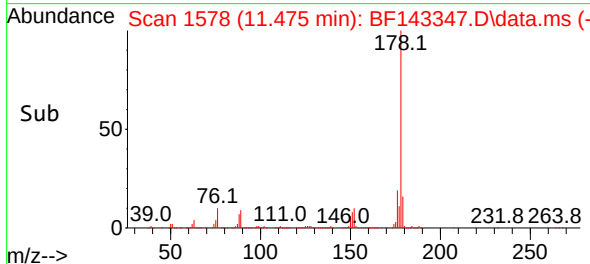
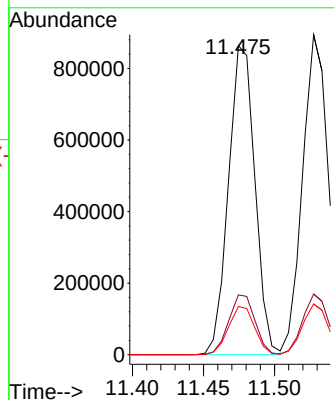
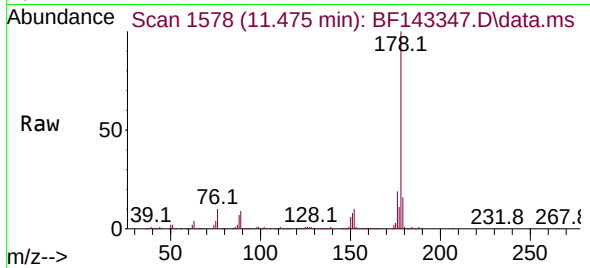




#71
Phenanthrene
Concen: 39.627 ng
RT: 11.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

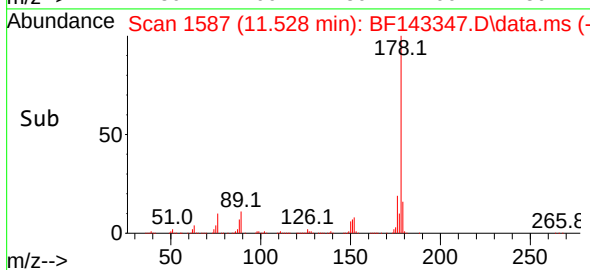
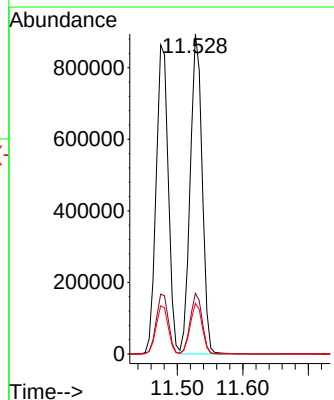
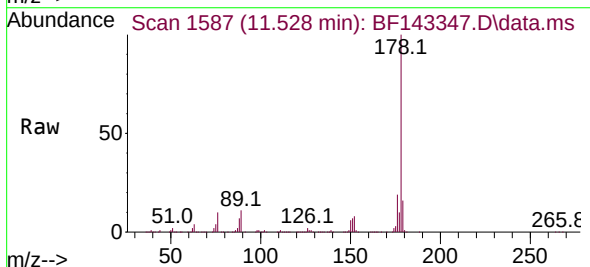
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

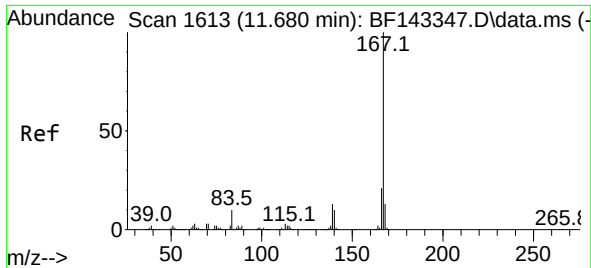
Tgt Ion:178 Resp: 1118795
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.5 18.7



#72
Anthracene
Concen: 39.327 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:178 Resp: 1126030
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.9 12.7 19.1

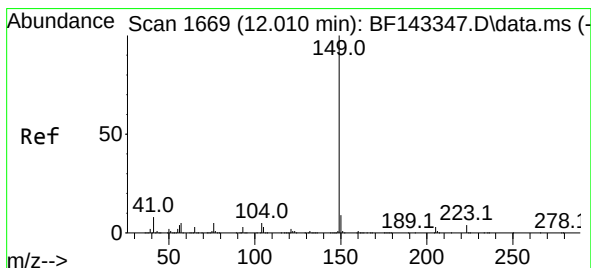
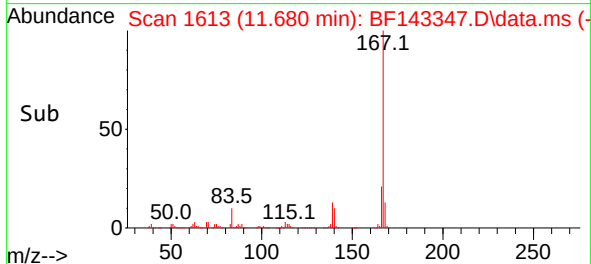
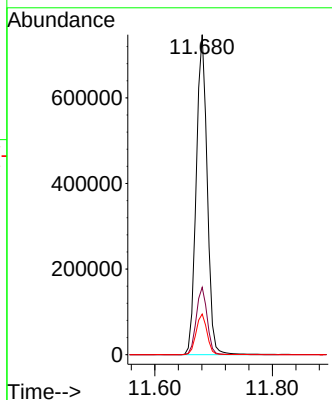
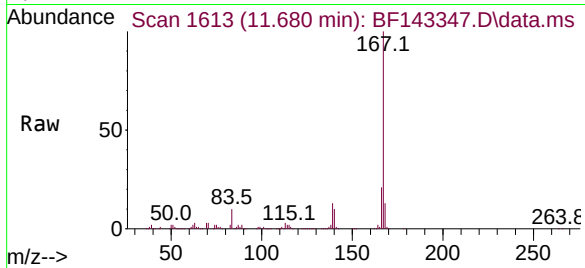




#73
Carbazole
Concen: 39.637 ng
RT: 11.680 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

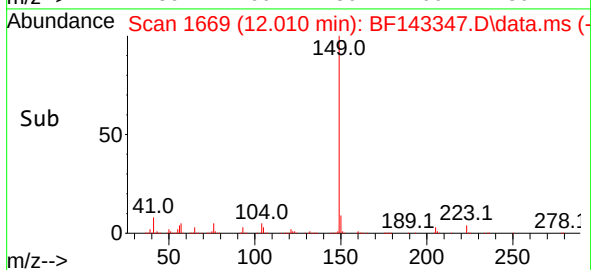
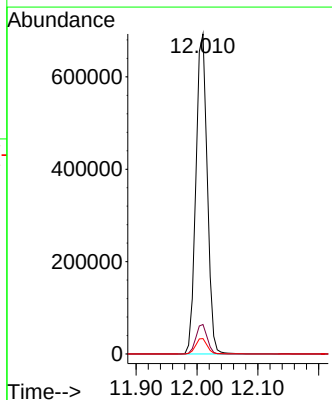
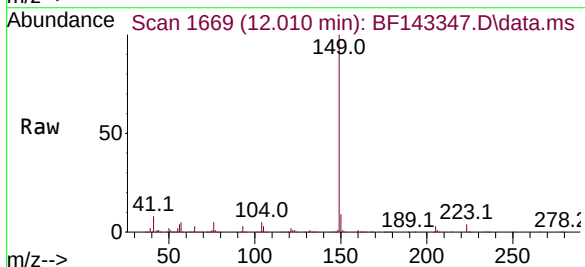
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

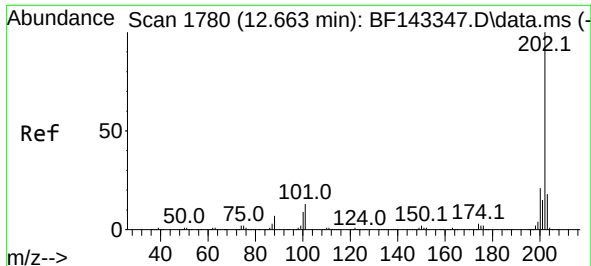
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.8	25.2
139	12.7	10.2	15.2



#74
Di-n-butylphthalate
Concen: 43.346 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.8	3.8	5.8

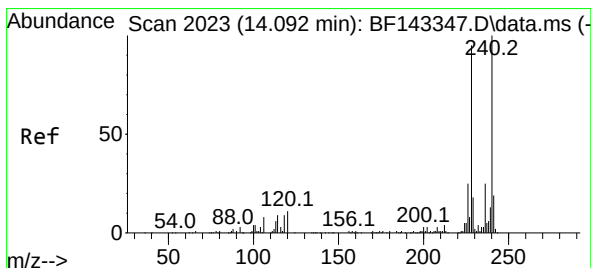
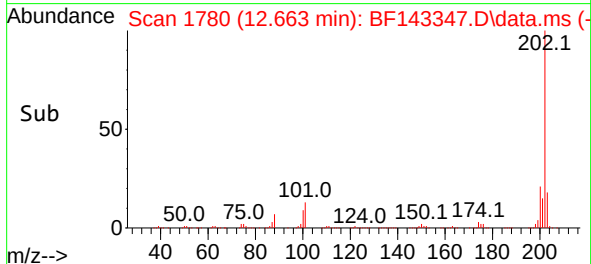
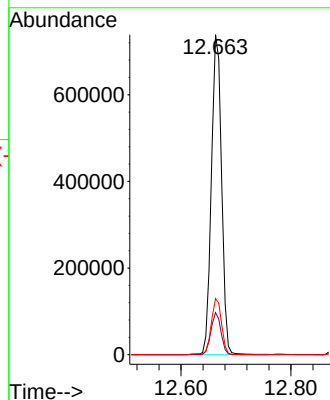
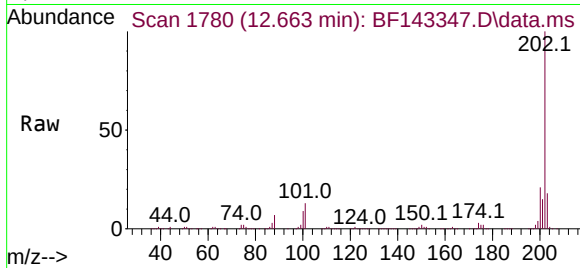




#75
Fluoranthene
Concen: 38.386 ng
RT: 12.663 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

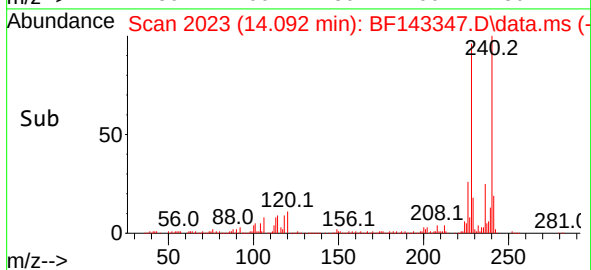
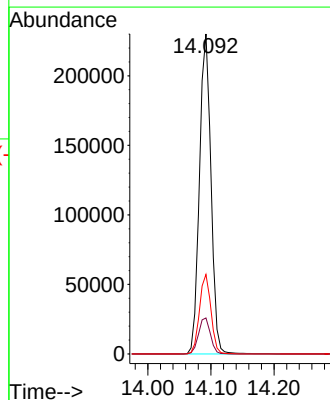
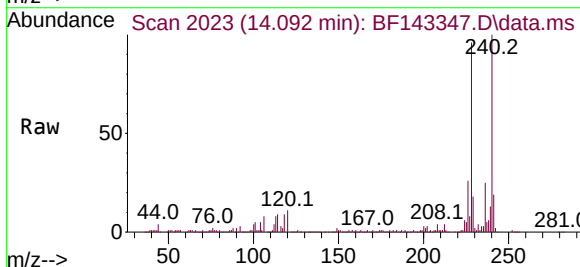
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

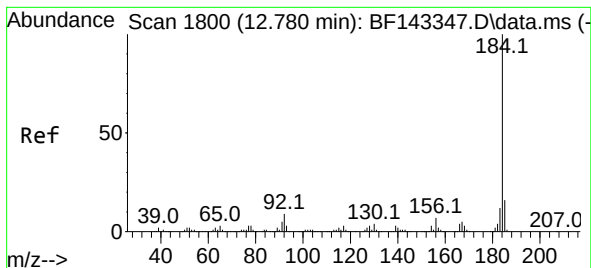
Tgt Ion:	202	Resp:	949305
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	33.2
203	17.6	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:	240	Resp:	290137
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.0	13.6
236	24.9	19.9	29.9

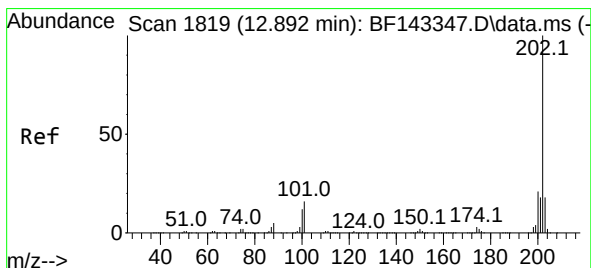
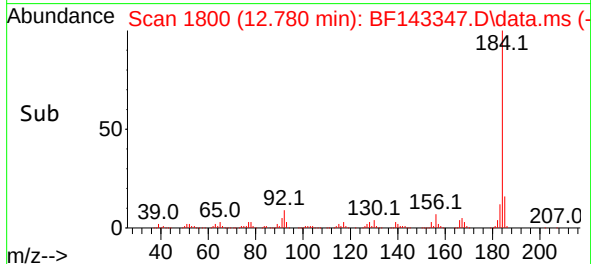
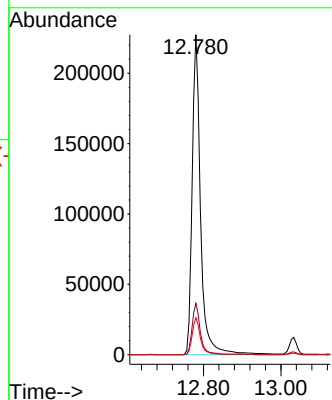
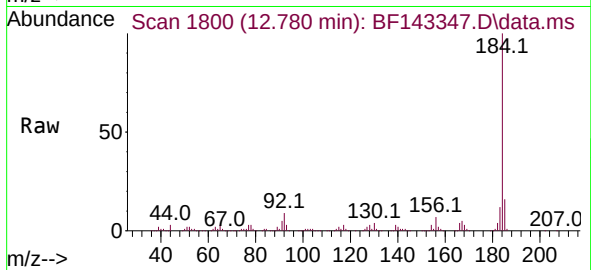




#77
Benzidine
Concen: 43.261 ng
RT: 12.780 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

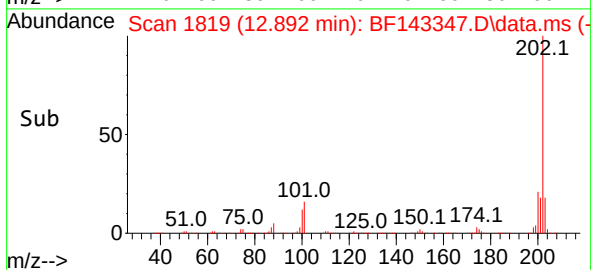
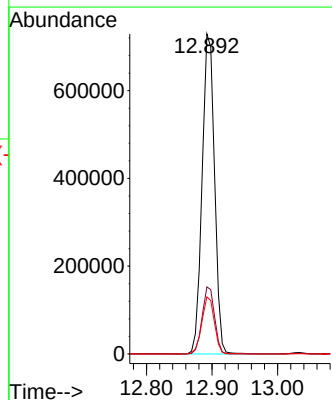
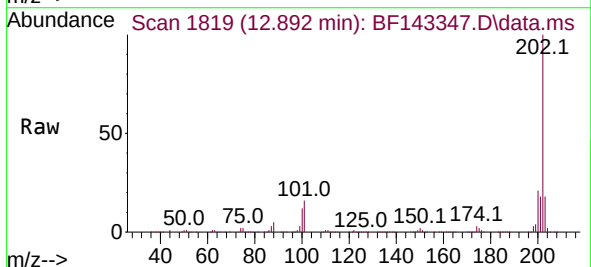
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

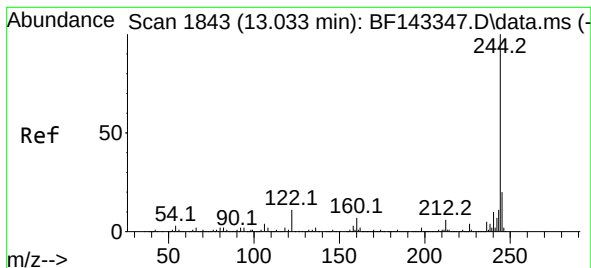
Tgt Ion:184 Resp: 343155
Ion Ratio Lower Upper
184 100
185 16.0 12.8 19.2
183 11.6 9.3 13.9



#78
Pyrene
Concen: 39.593 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:202 Resp: 963681
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 77.745 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

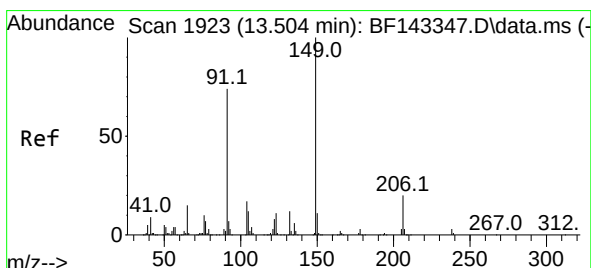
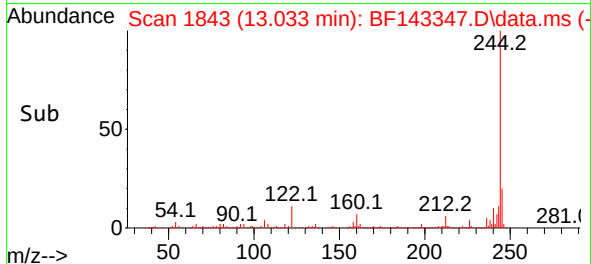
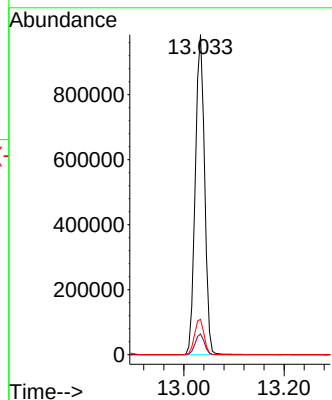
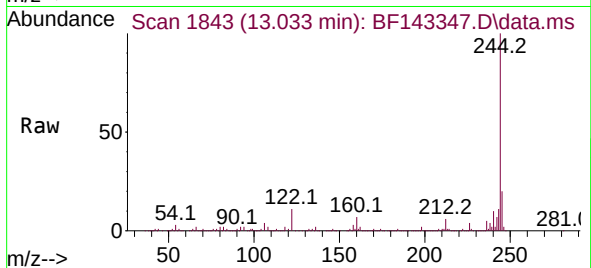
Tgt Ion:244 Resp: 1263446

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.1 8.9 13.3



#80

Butylbenzylphthalate

Concen: 37.368 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

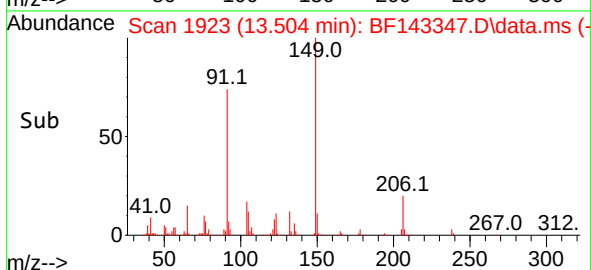
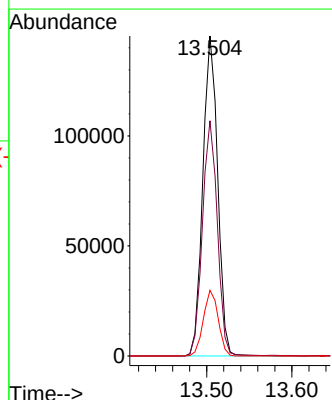
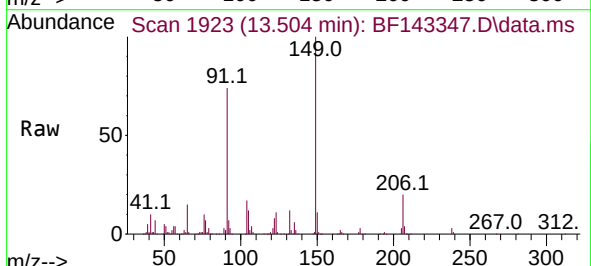
Tgt Ion:149 Resp: 175897

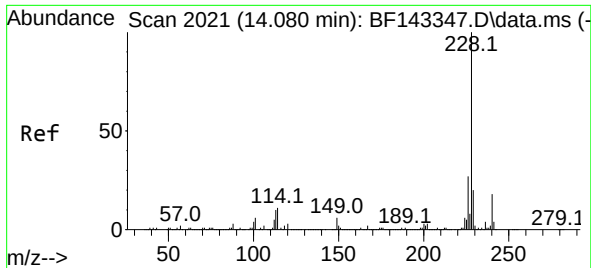
Ion Ratio Lower Upper

149 100

91 73.5 58.8 88.2

206 20.5 16.4 24.6

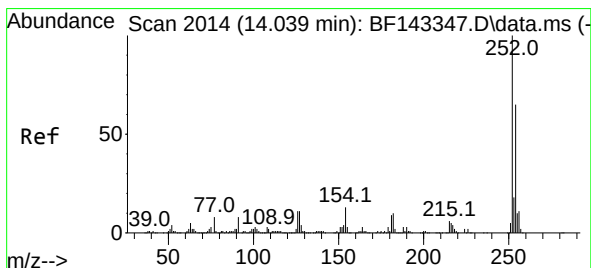
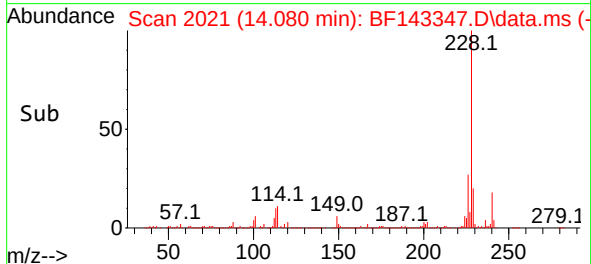
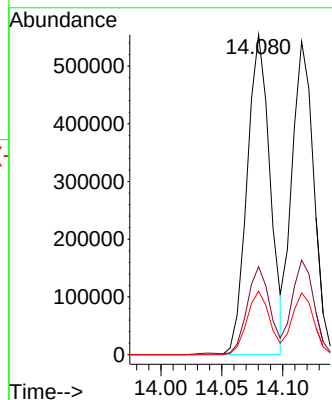
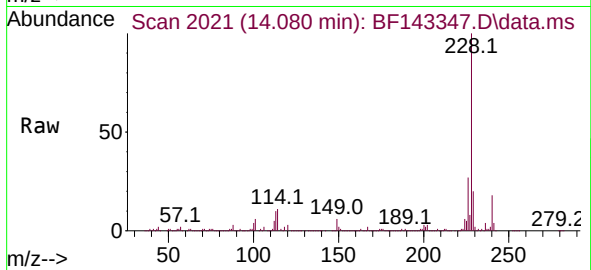




#81
Benzo(a)anthracene
Concen: 39.595 ng
RT: 14.080 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

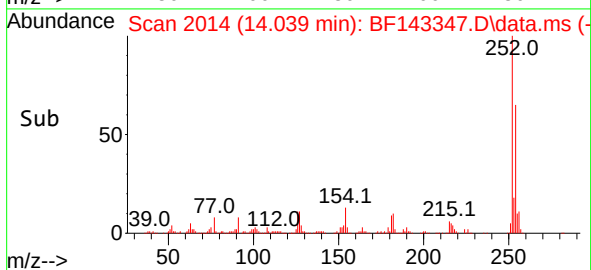
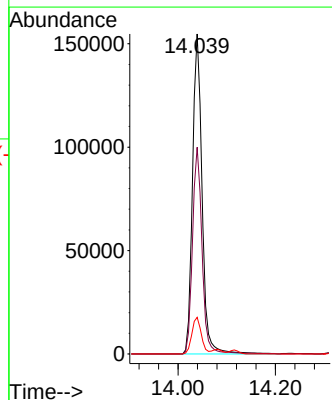
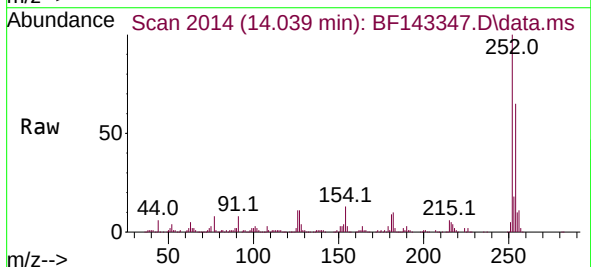
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

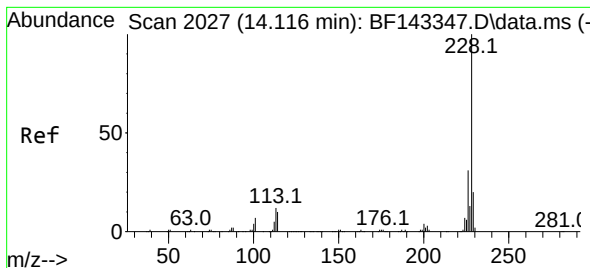
Tgt Ion:228 Resp: 730158
Ion Ratio Lower Upper
228 100
226 27.5 22.0 33.0
229 19.8 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 42.421 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:252 Resp: 211236
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.5 9.2 13.8





#83

Chrysene

Concen: 39.653 ng

RT: 14.116 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

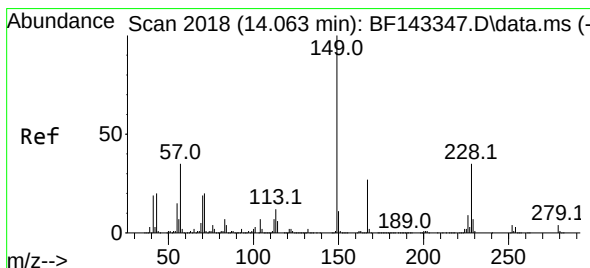
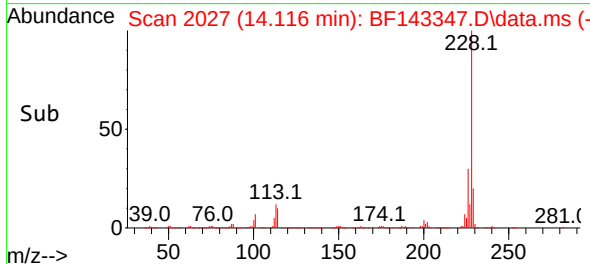
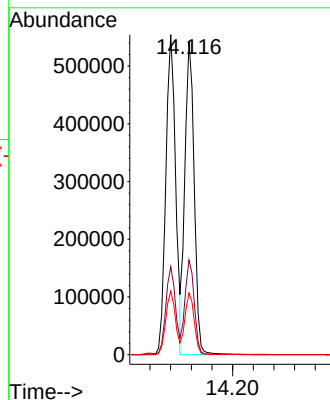
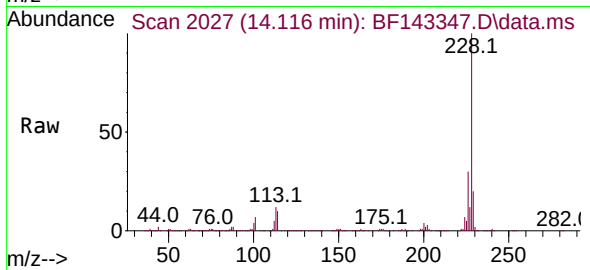
Tgt Ion:228 Resp: 681835

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 19.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.186 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

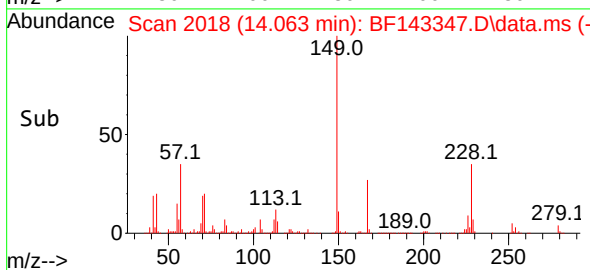
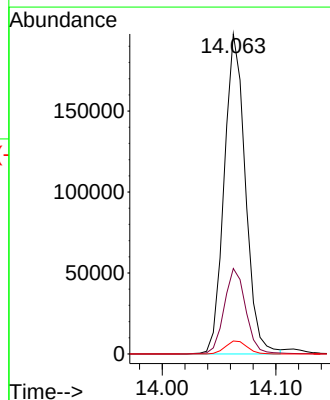
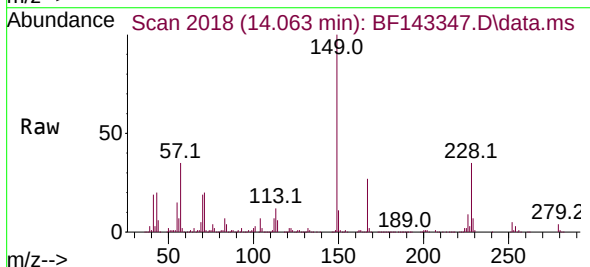
Tgt Ion:149 Resp: 256146

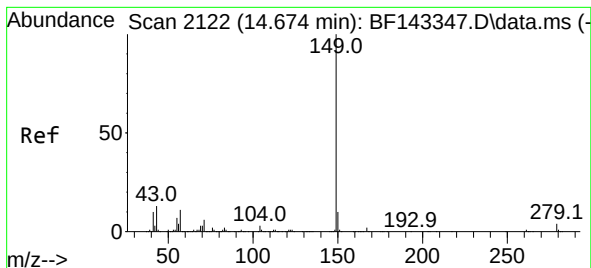
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.0 3.2 4.8

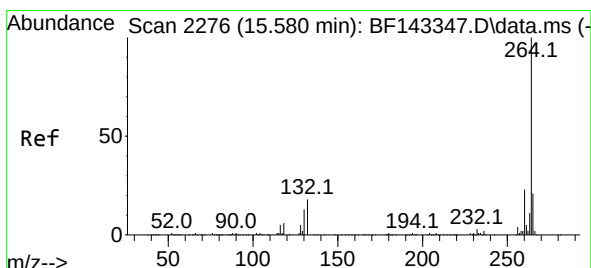
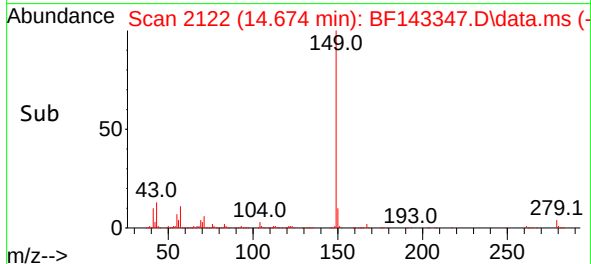
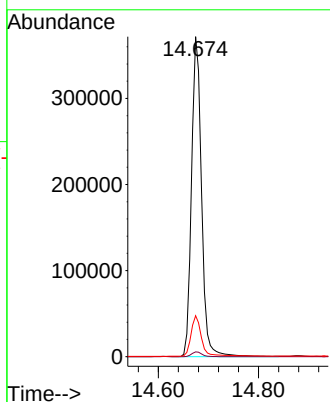
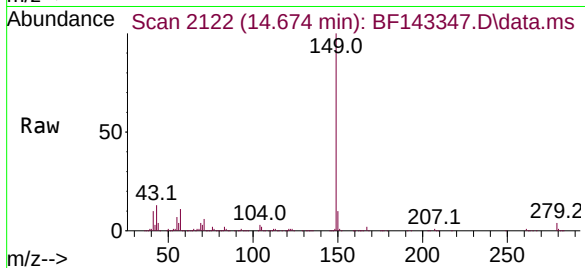




#85
Di-n-octyl phthalate
Concen: 38.008 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

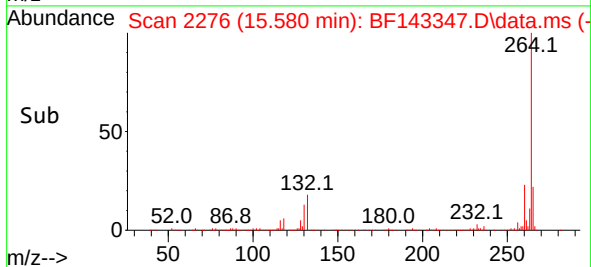
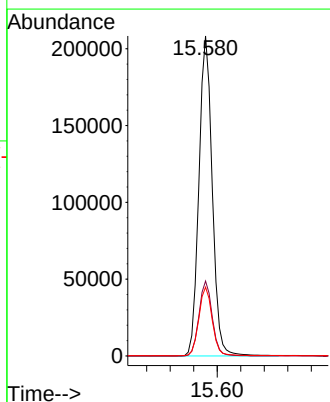
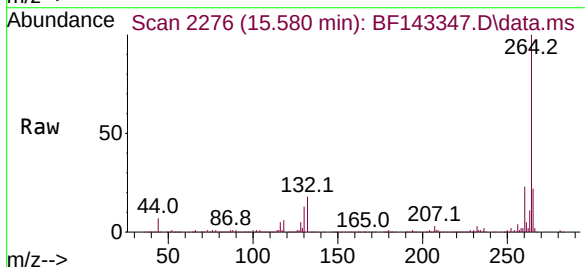
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

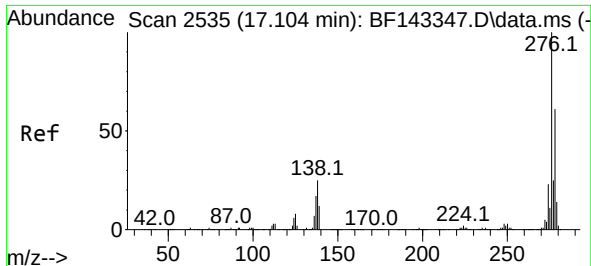
Tgt Ion:149 Resp: 515170
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.5 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:264 Resp: 328158
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.5 17.2 25.8

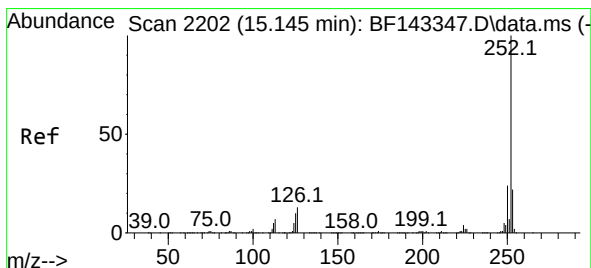
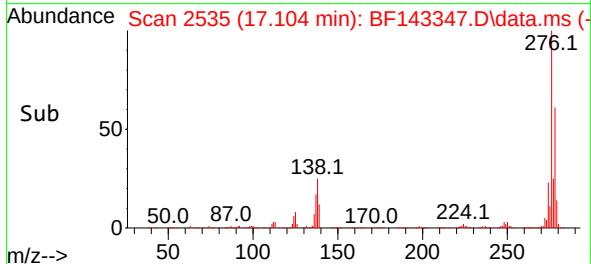
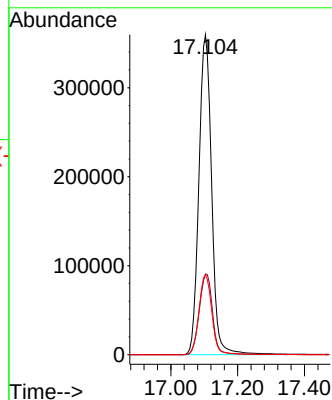
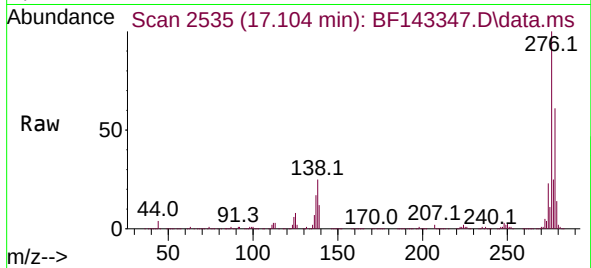




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 40.445 ng
 RT: 17.104 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143347.D
 Acq: 12 Aug 2025 11:06

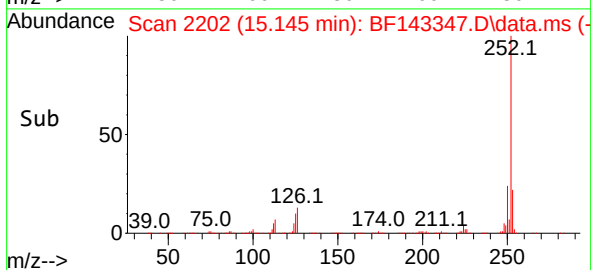
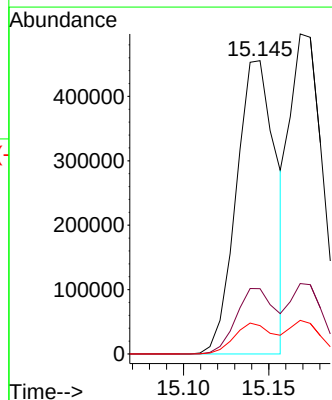
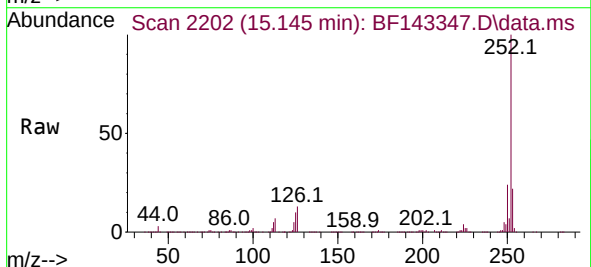
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

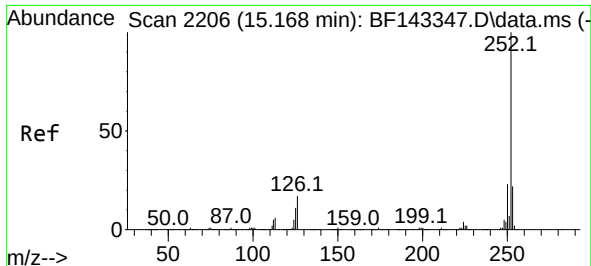
Tgt Ion:276 Resp: 950872
 Ion Ratio Lower Upper
 276 100
 138 26.4 21.1 31.7
 277 25.2 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 40.879 ng
 RT: 15.145 min Scan# 2202
 Delta R.T. 0.000 min
 Lab File: BF143347.D
 Acq: 12 Aug 2025 11:06

Tgt Ion:252 Resp: 733725
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.8
 125 9.7 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 38.970 ng

RT: 15.168 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

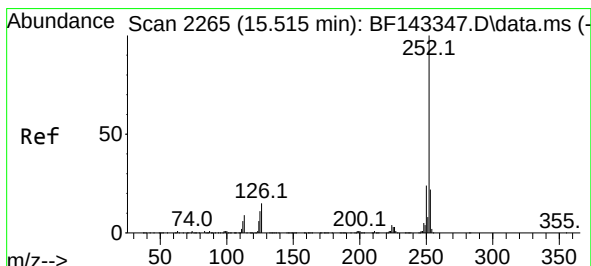
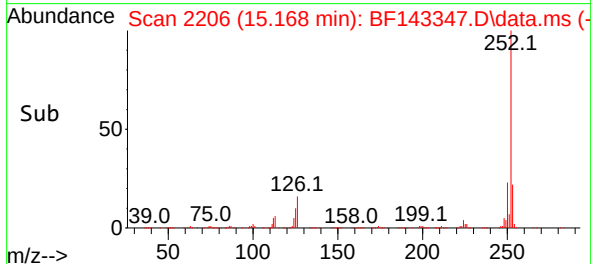
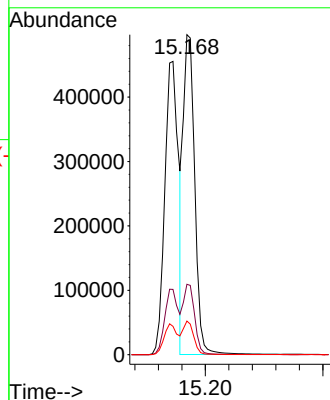
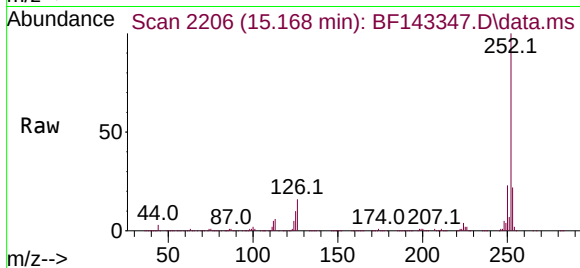
Tgt Ion:252 Resp: 679660

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 40.124 ng

RT: 15.515 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

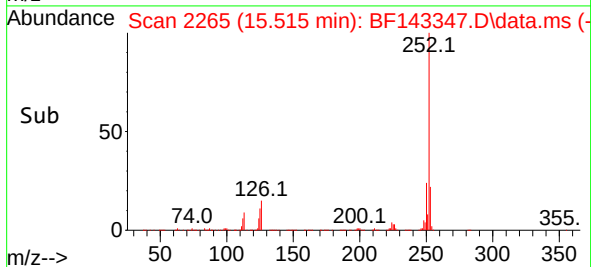
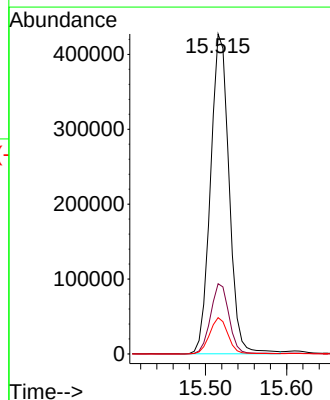
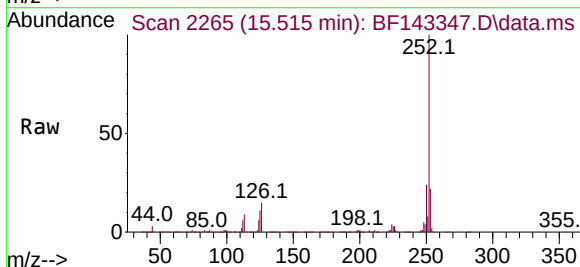
Tgt Ion:252 Resp: 678288

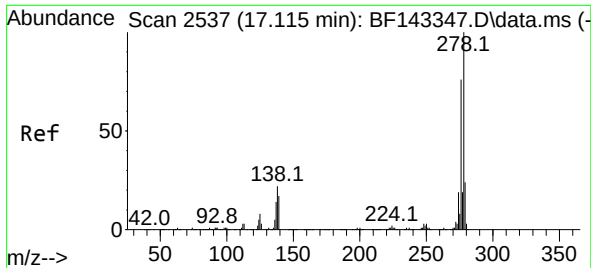
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 11.4 9.1 13.7

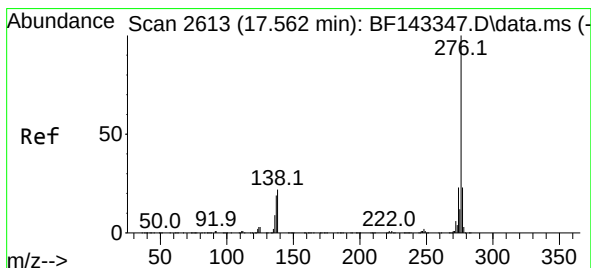
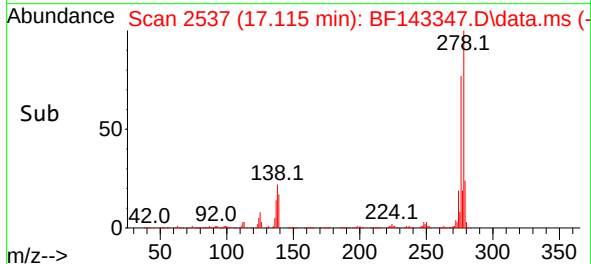
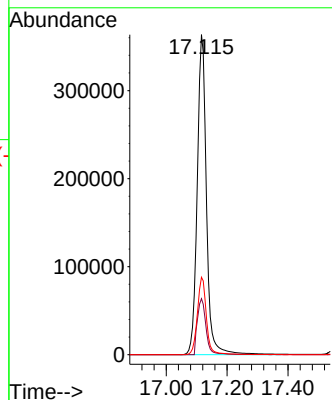
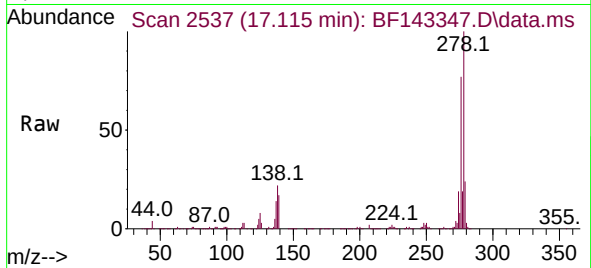




#91
Dibenzo(a,h)anthracene
Concen: 40.870 ng
RT: 17.115 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

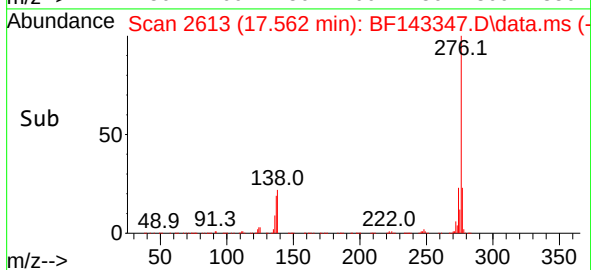
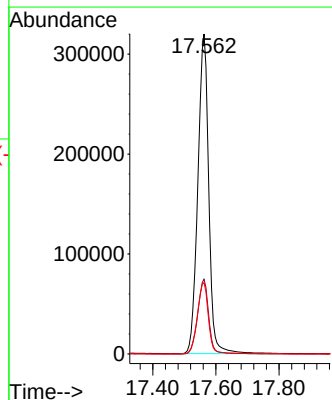
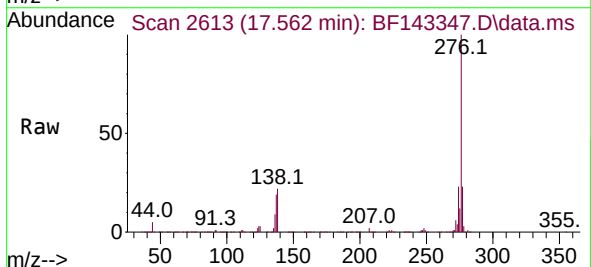
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 767630
Ion Ratio Lower Upper
278 100
139 17.5 14.0 21.0
279 24.2 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 40.549 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:276 Resp: 767224
Ion Ratio Lower Upper
276 100
277 23.4 18.7 28.1
138 22.3 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143348.D
 Acq On : 12 Aug 2025 11:37
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 12 13:19:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	164745	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	635446	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	333763	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	492512	20.000	ng	0.00
76) Chrysene-d12	14.092	240	286106	20.000	ng	0.00
86) Perylene-d12	15.580	264	342458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	941847	98.862	ng	0.00
7) Phenol-d6	6.563	99	1192312	97.594	ng	0.00
23) Nitrobenzene-d5	7.493	82	1041552	102.072	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	266796	109.378	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1769302	89.893	ng	0.00
79) Terphenyl-d14	13.033	244	1395642	87.090	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.763	88	243901	49.475	ng	100
3) Pyridine	3.534	79	668266	50.870	ng	99
4) n-Nitrosodimethylamine	3.475	42	313754	51.272	ng	99
6) Aniline	6.593	93	835697	48.521	ng	97
8) 2-Chlorophenol	6.722	128	510568	50.155	ng	97
9) Benzaldehyde	6.481	77	360210	44.609	ng	99
10) Phenol	6.581	94	708845	48.977	ng	86
11) bis(2-Chloroethyl)ether	6.663	93	515652	48.342	ng	99
12) 1,3-Dichlorobenzene	6.875	146	561710	47.838	ng	99
13) 1,4-Dichlorobenzene	6.951	146	564115	47.868	ng	99
14) 1,2-Dichlorobenzene	7.104	146	533226	47.666	ng	99
15) Benzyl Alcohol	7.069	79	439125	50.143	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	911815	47.882	ng	97
17) 2-Methylphenol	7.181	107	426865	49.676	ng	99
18) Hexachloroethane	7.445	117	185051	50.086	ng	99
19) n-Nitroso-di-n-propyla...	7.340	70	355609	47.107	ng	99
20) 3+4-Methylphenols	7.334	107	505153	48.609	ng	95
22) Acetophenone	7.340	105	642443	45.886	ng	97
24) Nitrobenzene	7.510	77	558404	50.388	ng	99
25) Isophorone	7.751	82	995651	47.796	ng	99
26) 2-Nitrophenol	7.828	139	213083	47.982	ng	99
27) 2,4-Dimethylphenol	7.863	122	436419	50.217	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	608760	47.865	ng	100
29) 2,4-Dichlorophenol	8.069	162	428530	50.485	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	427946	47.795	ng	99
31) Naphthalene	8.234	128	1431280	46.809	ng	100
32) Benzoic acid	7.981	122	191072	49.943	ng	95
33) 4-Chloroaniline	8.281	127	531257	48.171	ng	100
34) Hexachlorobutadiene	8.357	225	264501	47.488	ng	100
35) Caprolactam	8.651	113	123969	51.952	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	442622	49.741	ng	98
37) 2-Methylnaphthalene	8.928	142	938982	46.712	ng	99
38) 1-Methylnaphthalene	9.028	142	902313	46.606	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	437268	47.877	ng	99
41) Hexachlorocyclopentadiene	9.081	237	143487	47.474	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	273471	52.773	ng	99

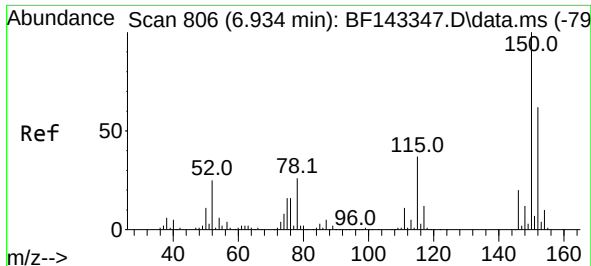
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143348.D
 Acq On : 12 Aug 2025 11:37
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 12 13:19:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	303993	51.948	ng	99
46) 1,1'-Biphenyl	9.387	154	1098727	46.558	ng	99
47) 2-Chloronaphthalene	9.416	162	872497	46.944	ng	100
48) 2-Nitroaniline	9.504	65	267630	49.816	ng	99
49) Acenaphthylene	9.828	152	1272878	47.424	ng	100
50) Dimethylphthalate	9.681	163	954560	48.946	ng	100
51) 2,6-Dinitrotoluene	9.745	165	182648	49.400	ng	99
52) Acenaphthene	10.004	154	844612	47.334	ng	100
53) 3-Nitroaniline	9.916	138	220926	55.316	ng	99
54) 2,4-Dinitrophenol	10.022	184	61169	49.460	ng	91
55) Dibenzofuran	10.175	168	1199947	46.725	ng	100
56) 4-Nitrophenol	10.075	139	150114	49.286	ng	99
57) 2,4-Dinitrotoluene	10.145	165	246635	50.215	ng	99
58) Fluorene	10.516	166	910380	46.411	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	215158	54.543	ng	100
60) Diethylphthalate	10.381	149	865395	49.540	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	444383	46.885	ng	99
62) 4-Nitroaniline	10.528	138	207188	53.618	ng	99
63) Azobenzene	10.663	77	957306	47.978	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	95307	47.856	ng	94
66) n-Nitrosodiphenylamine	10.622	169	787342	48.549	ng	100
67) 4-Bromophenyl-phenylether	10.998	248	279724	49.660	ng	96
68) Hexachlorobenzene	11.069	284	291915	48.079	ng	99
69) Atrazine	11.145	200	221025	52.254	ng	98
70) Pentachlorophenol	11.263	266	139359	49.342	ng	98
71) Phenanthrene	11.480	178	1258386	46.830	ng	100
72) Anthracene	11.528	178	1284165	47.123	ng	100
73) Carbazole	11.680	167	1082772	46.654	ng	99
74) Di-n-butylphthalate	12.010	149	1008389	51.345	ng	99
75) Fluoranthene	12.663	202	1074315	45.641	ng	99
77) Benzidine	12.780	184	392548	50.186	ng	99
78) Pyrene	12.898	202	1081940	45.078	ng	99
80) Butylbenzylphthalate	13.504	149	229034	48.268	ng	99
81) Benzo(a)anthracene	14.080	228	878814	48.327	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	267204	54.417	ng	100
83) Chrysene	14.116	228	831682	49.049	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	341876	48.921	ng	98
85) Di-n-octyl phthalate	14.674	149	675816	48.572	ng	99
87) Indeno(1,2,3-cd)pyrene	17.110	276	1191556	48.566	ng	100
88) Benzo(b)fluoranthene	15.145	252	895570	47.812	ng	100
89) Benzo(k)fluoranthene	15.174	252	901937	49.555	ng	99
90) Benzo(a)pyrene	15.521	252	866161	49.098	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	957602	48.855	ng	99
92) Benzo(g,h,i)perylene	17.568	276	962236	48.732	ng	100

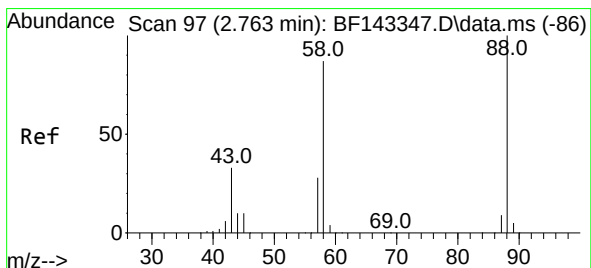
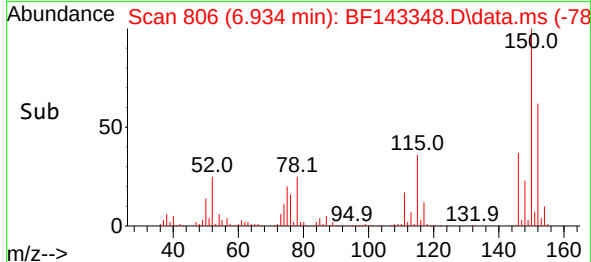
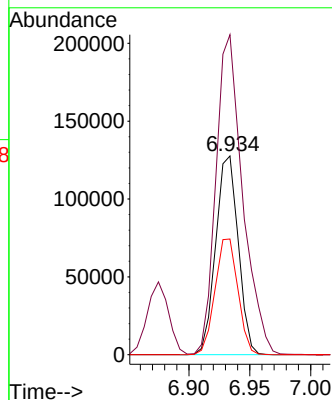
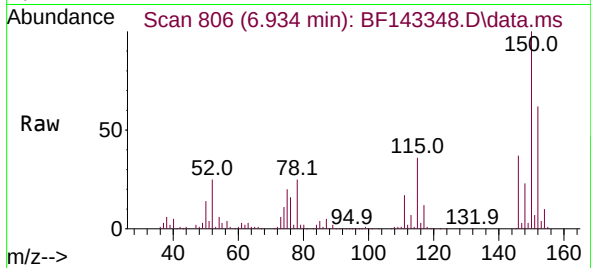
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143348.D
 Acq: 12 Aug 2025 11:37

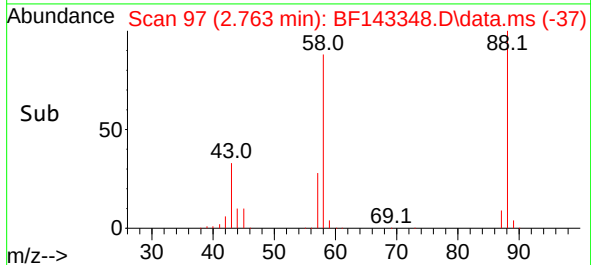
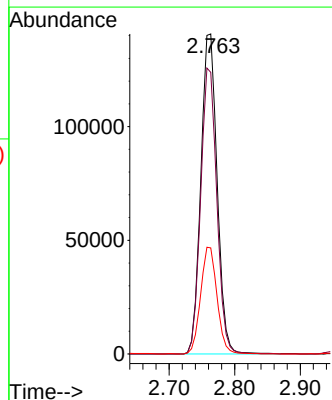
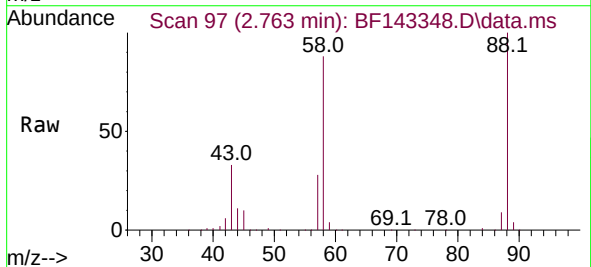
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

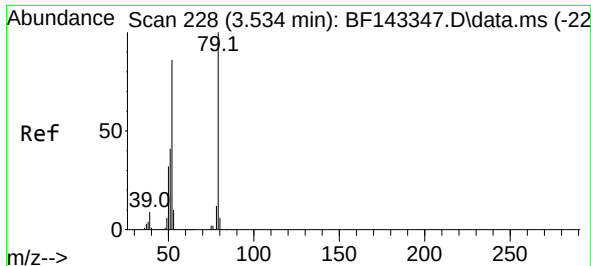
Tgt Ion:152 Resp: 164745
 Ion Ratio Lower Upper
 152 100
 150 161.0 129.8 194.8
 115 58.2 47.8 71.8



#2
 1,4-Dioxane
 Concen: 49.475 ng
 RT: 2.763 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: BF143348.D
 Acq: 12 Aug 2025 11:37

Tgt Ion: 88 Resp: 243901
 Ion Ratio Lower Upper
 88 100
 58 88.3 71.0 106.6
 43 33.6 27.0 40.6





#3

Pyridine

Concen: 50.870 ng

RT: 3.534 min Scan# 218

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

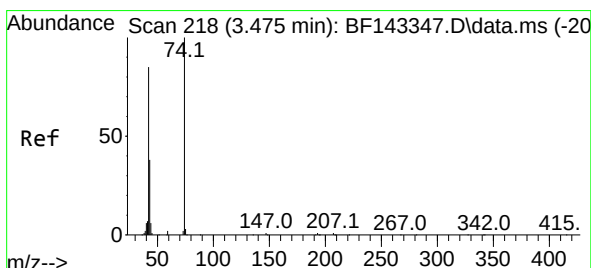
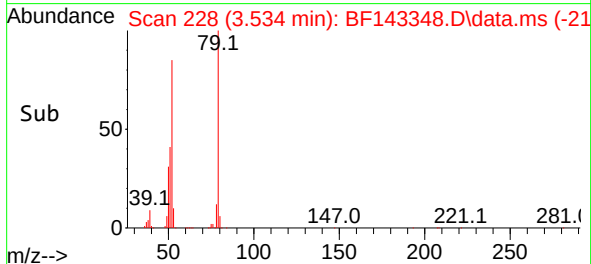
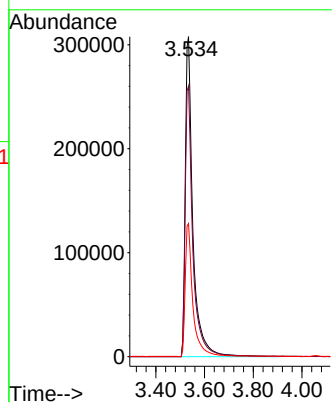
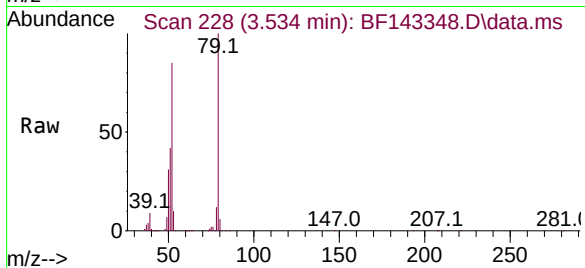
Tgt Ion: 79 Resp: 668266

Ion Ratio Lower Upper

79 100

52 84.5 68.7 103.1

51 41.6 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 51.272 ng

RT: 3.475 min Scan# 218

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

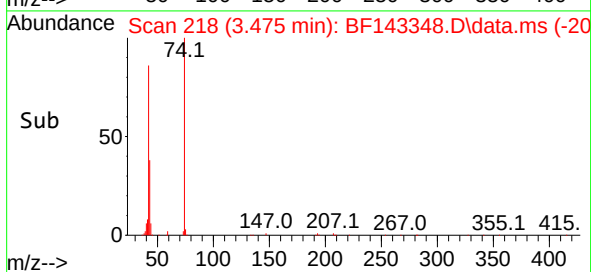
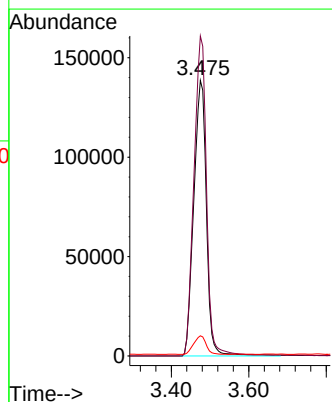
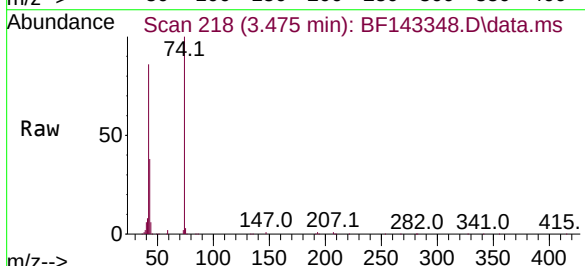
Tgt Ion: 42 Resp: 313754

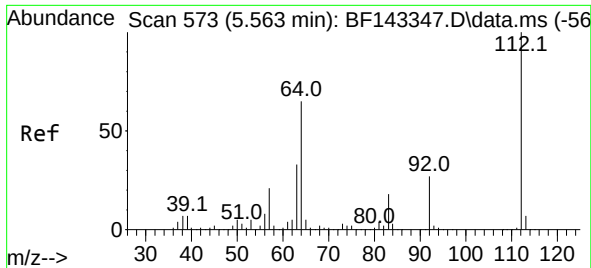
Ion Ratio Lower Upper

42 100

74 116.1 94.1 141.1

44 7.3 6.5 9.7

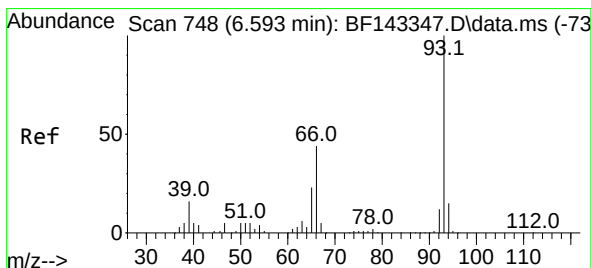
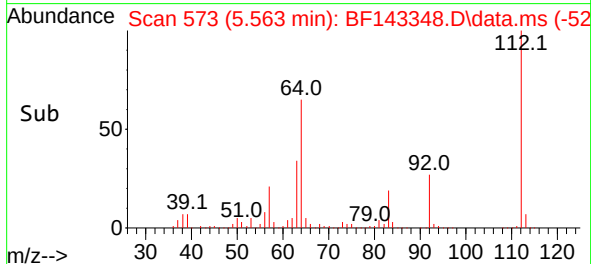
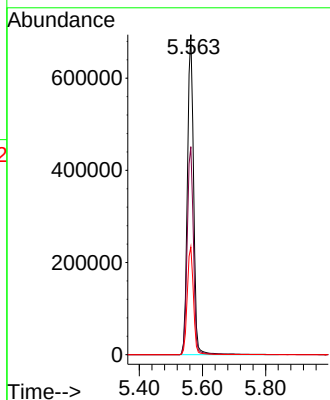
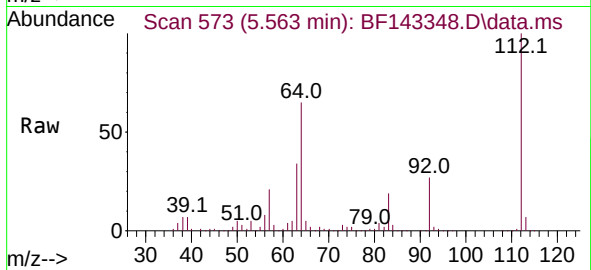




#5
2-Fluorophenol
Concen: 98.862 ng
RT: 5.563 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

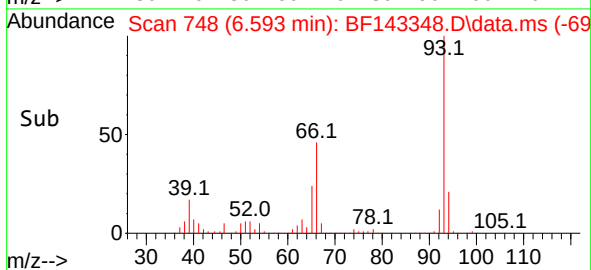
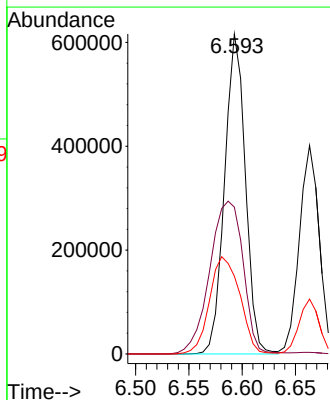
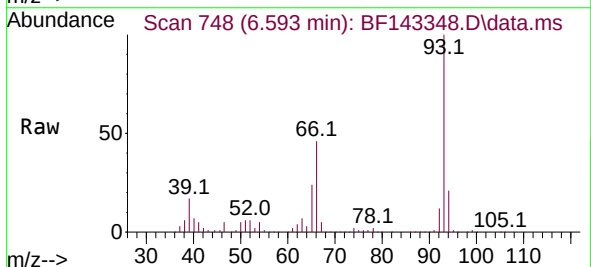
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

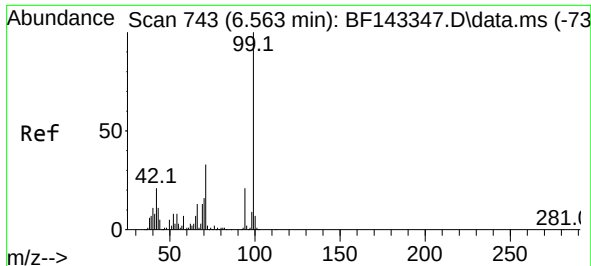
Tgt Ion:112 Resp: 941847
Ion Ratio Lower Upper
112 100
64 65.0 52.1 78.1
63 33.6 26.6 39.8



#6
Aniline
Concen: 48.521 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 93 Resp: 835697
Ion Ratio Lower Upper
93 100
66 45.9 35.3 52.9
65 24.3 18.2 27.4



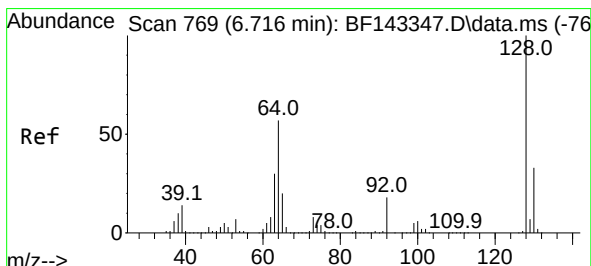
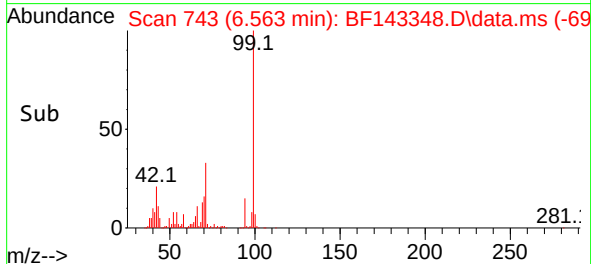
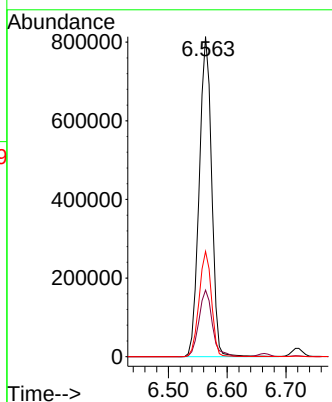
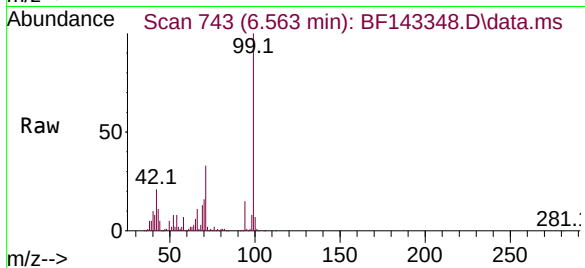


#7
Phenol-d6
Concen: 97.594 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1192312

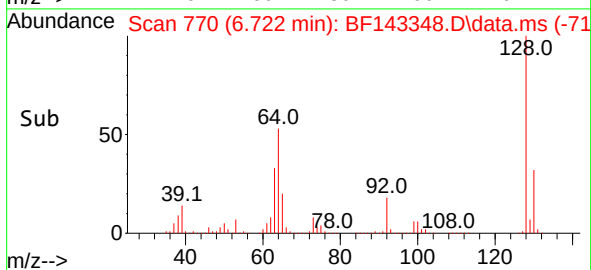
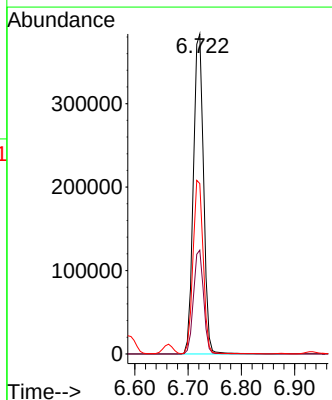
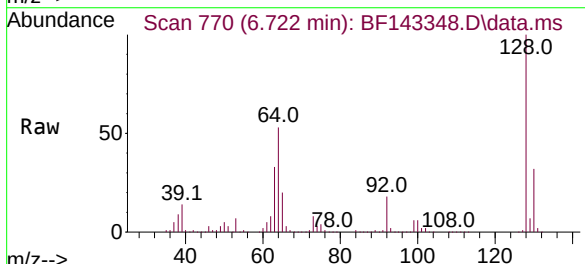
Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.6	25.0
71	32.9	26.2	39.2

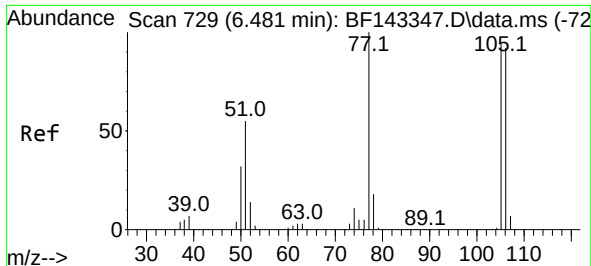


#8
2-Chlorophenol
Concen: 50.155 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 128 Resp: 510568

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	53.2	36.7	76.7

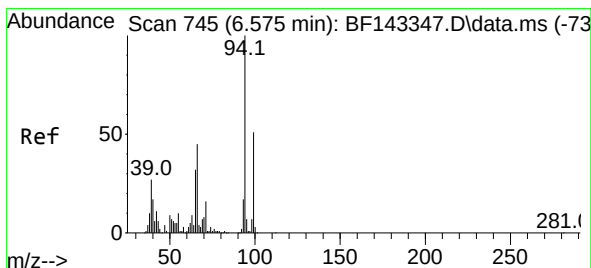
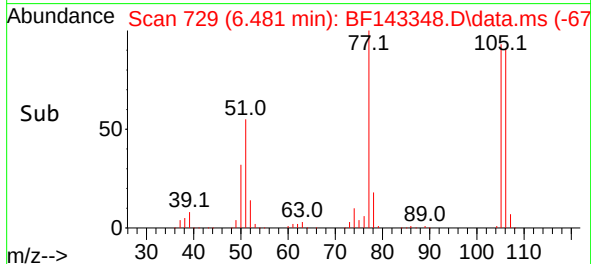
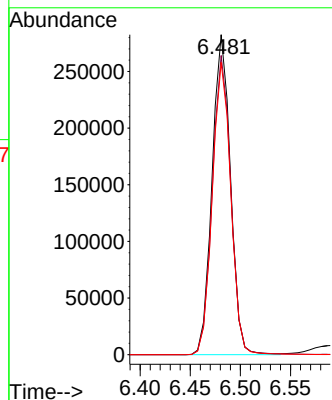
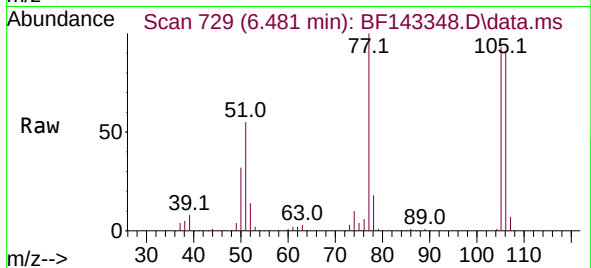




#9
Benzaldehyde
Concen: 44.609 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

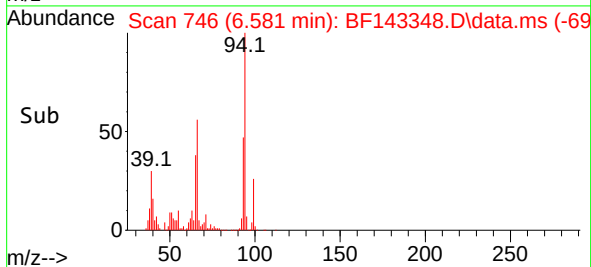
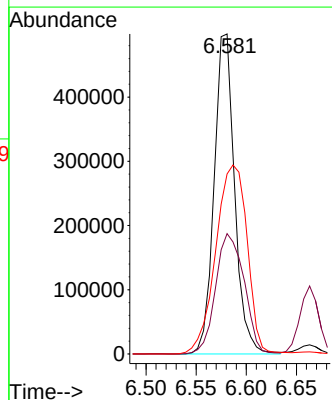
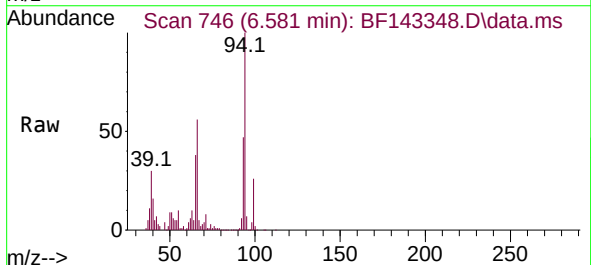
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

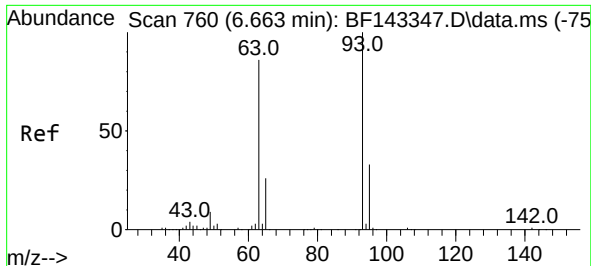
Tgt Ion: 77 Resp: 360210
Ion Ratio Lower Upper
77 100
105 93.5 74.2 114.2
106 91.4 72.2 112.2



#10
Phenol
Concen: 48.977 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 94 Resp: 708845
Ion Ratio Lower Upper
94 100
65 37.6 12.0 52.0
66 56.2 25.6 65.6

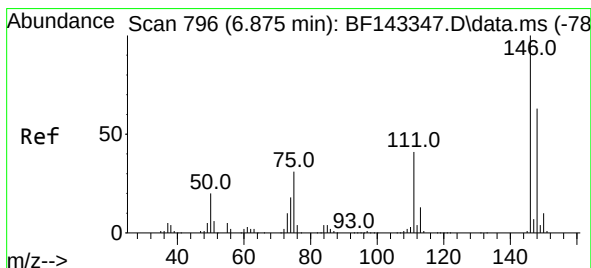
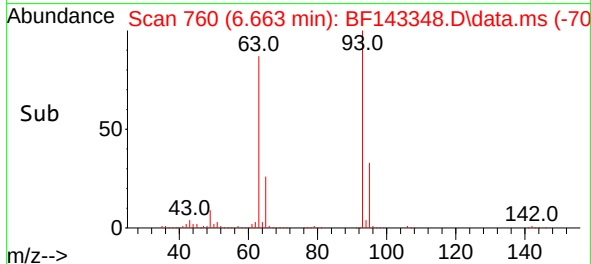
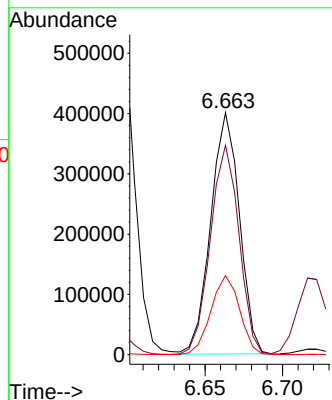
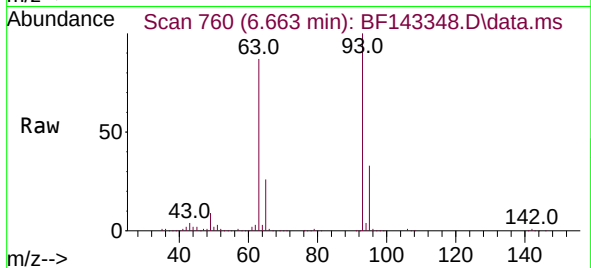




#11
 bis(2-Chloroethyl)ether
 Concen: 48.342 ng
 RT: 6.663 min Scan# 760
 Delta R.T. 0.000 min
 Lab File: BF143348.D
 Acq: 12 Aug 2025 11:37

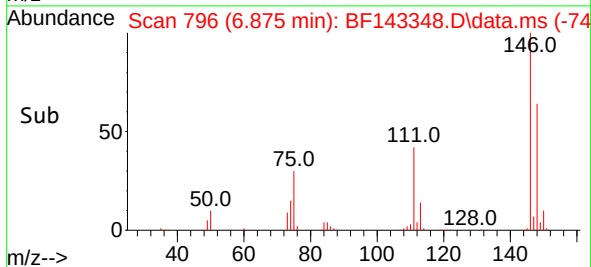
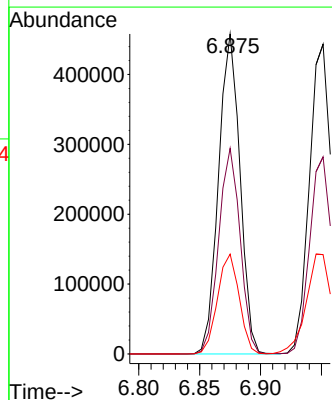
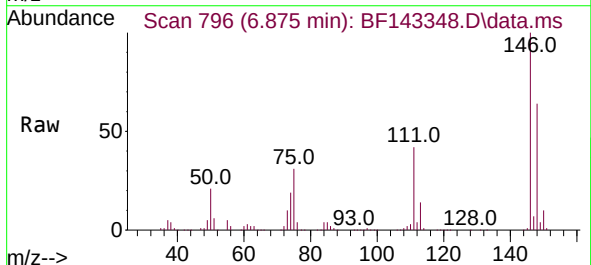
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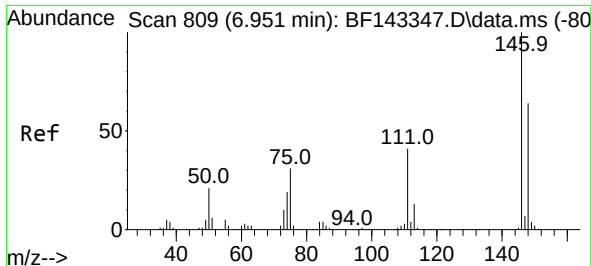
Tgt Ion: 93 Resp: 515652
 Ion Ratio Lower Upper
 93 100
 63 86.5 65.7 105.7
 95 32.7 13.0 53.0



#12
 1,3-Dichlorobenzene
 Concen: 47.838 ng
 RT: 6.875 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: BF143348.D
 Acq: 12 Aug 2025 11:37

Tgt Ion: 146 Resp: 561710
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.5 75.7
 75 31.2 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 47.868 ng

RT: 6.951 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

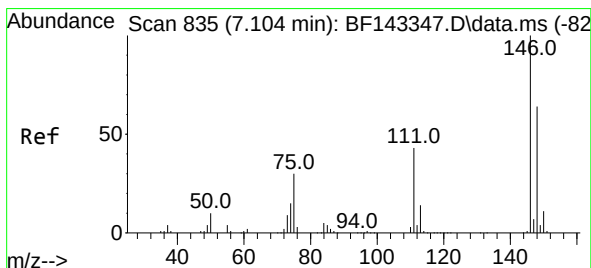
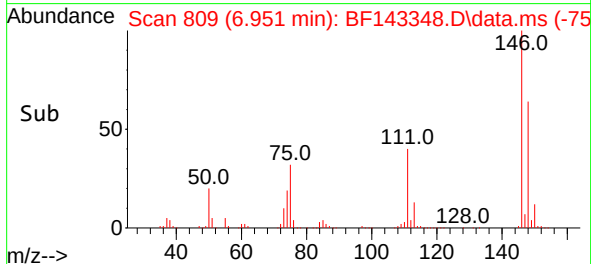
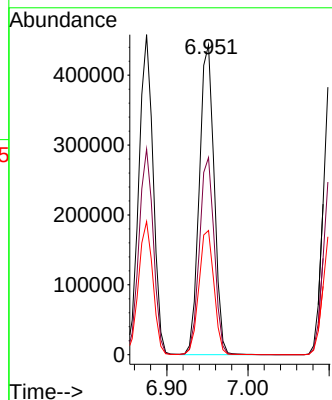
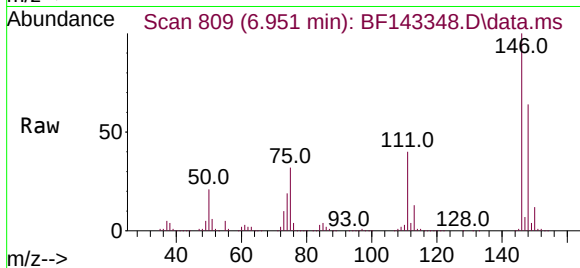
Tgt Ion:146 Resp: 564115

Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.0

111 40.1 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 47.666 ng

RT: 7.104 min Scan# 835

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

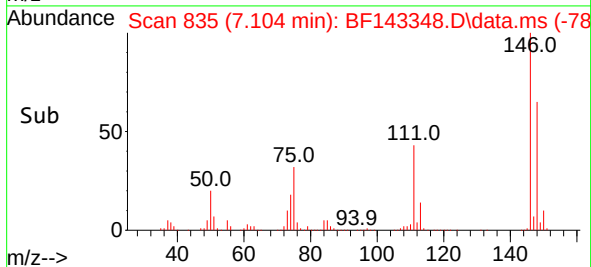
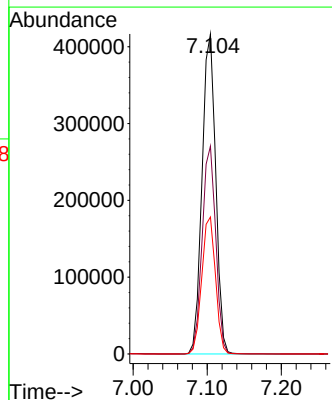
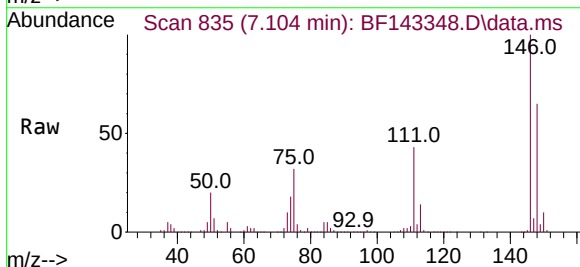
Tgt Ion:146 Resp: 533226

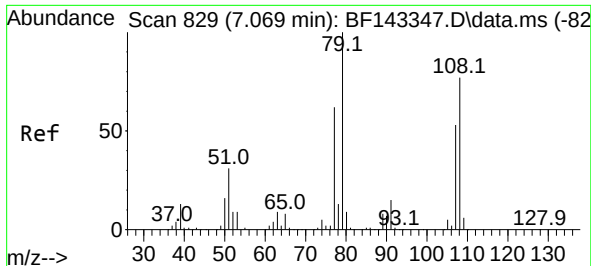
Ion Ratio Lower Upper

146 100

148 64.9 51.4 77.2

111 42.8 34.1 51.1



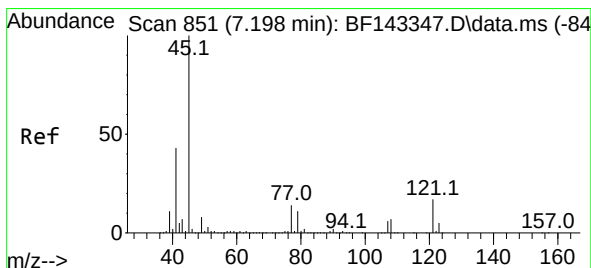
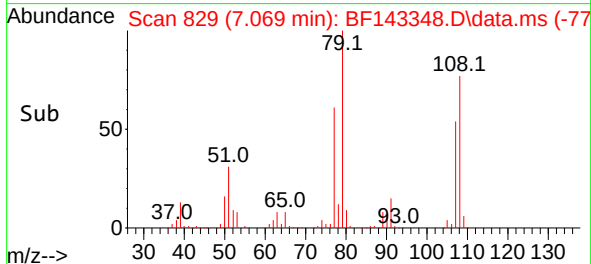
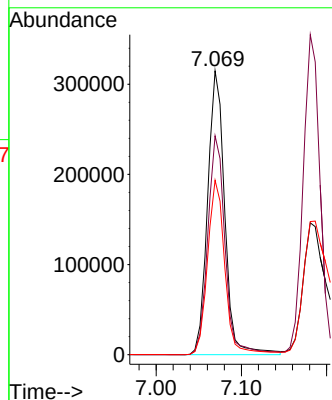
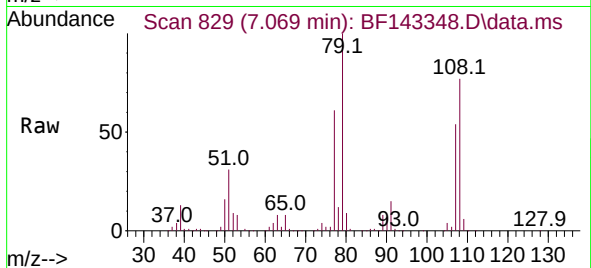


#15
Benzyl Alcohol
Concen: 50.143 ng
RT: 7.069 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 439125

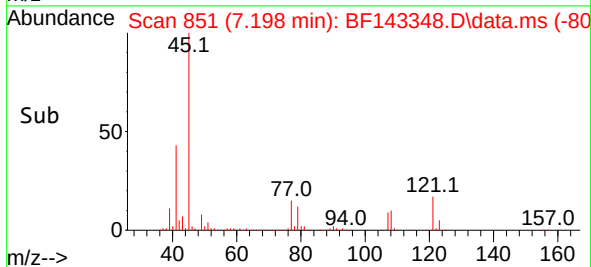
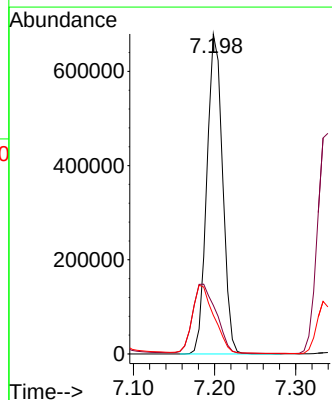
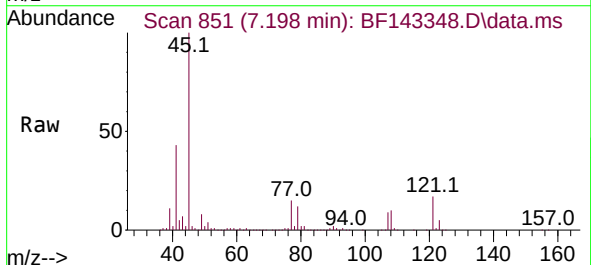
Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.5	92.3
77	61.4	49.8	74.8

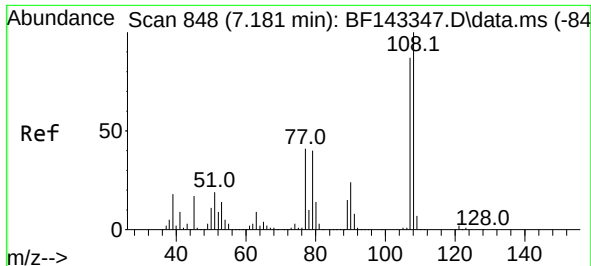


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.882 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 45 Resp: 911815

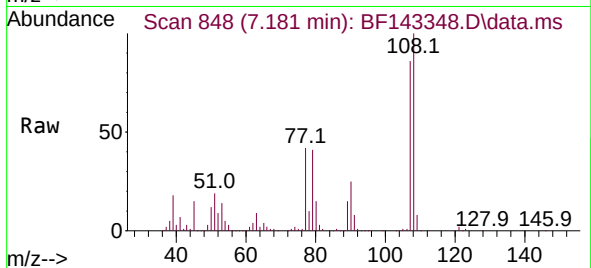
Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.0
79	12.1	0.0	31.1



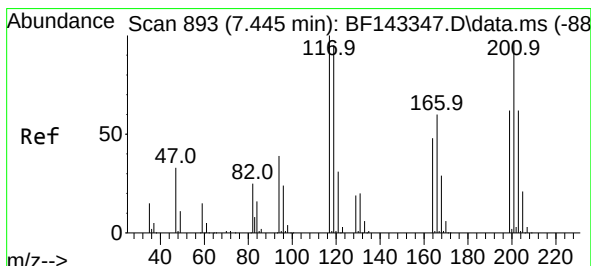
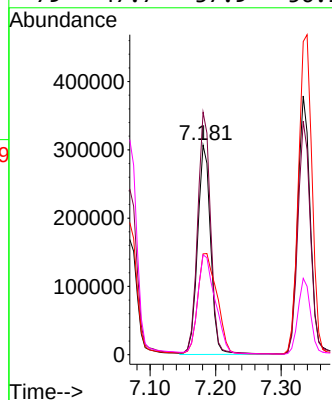
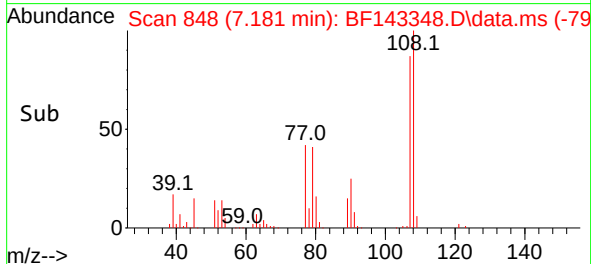


#17
2-Methylphenol
Concen: 49.676 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

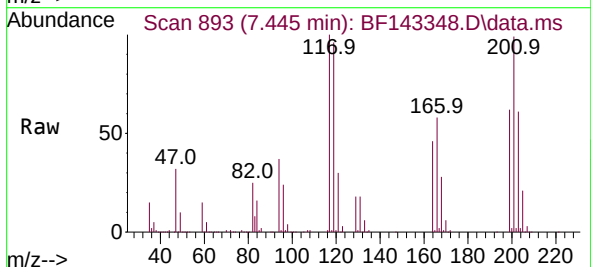
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



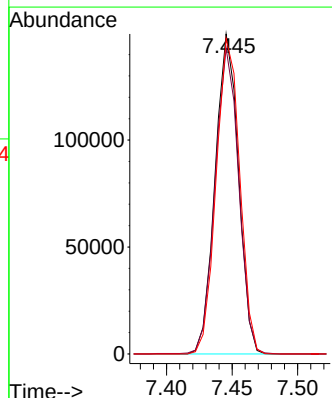
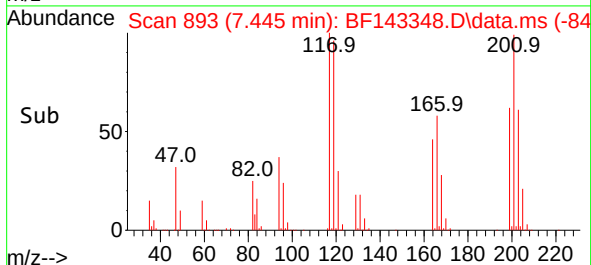
Tgt Ion:	107	Resp:	426865
Ion	Ratio	Lower	Upper
107	100		
108	115.7	92.0	138.0
77	48.1	38.2	57.2
79	47.7	37.9	56.9

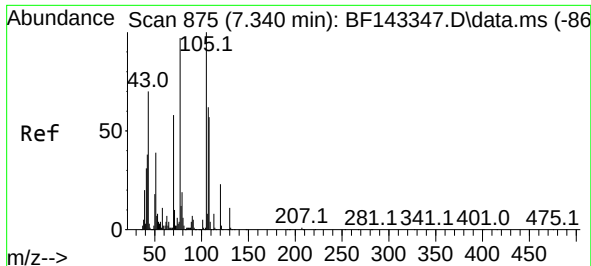


#18
Hexachloroethane
Concen: 50.086 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37



Tgt Ion:	117	Resp:	185051
Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.8
201	98.6	77.2	115.8



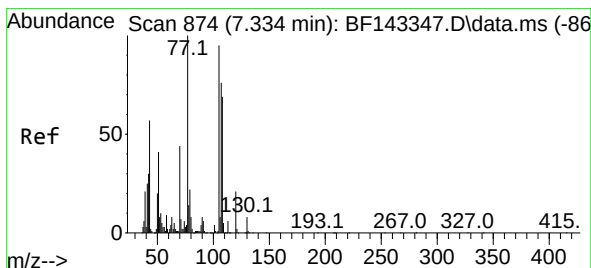
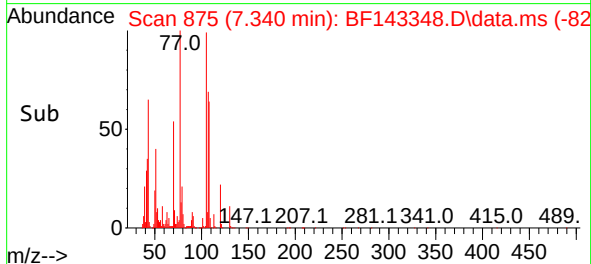
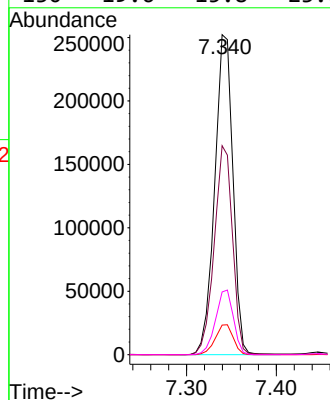
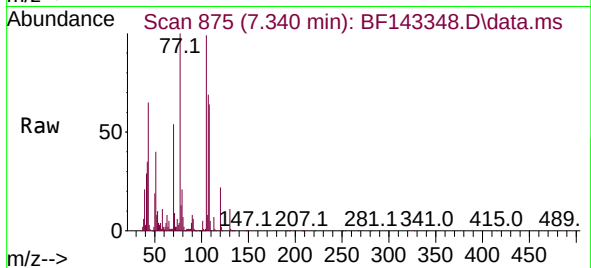


#19
n-Nitroso-di-n-propylamine
Concen: 47.107 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 355609

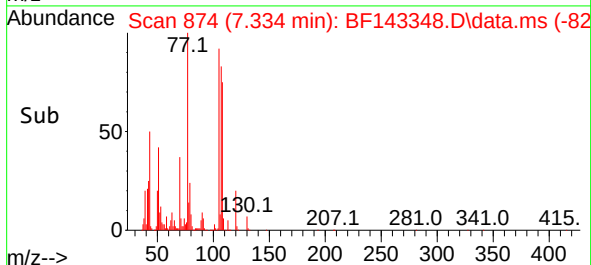
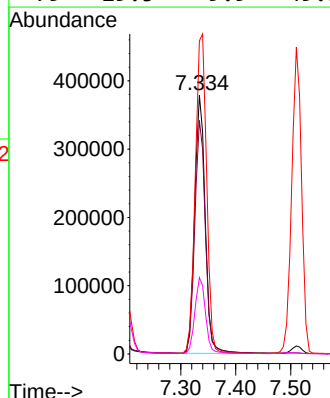
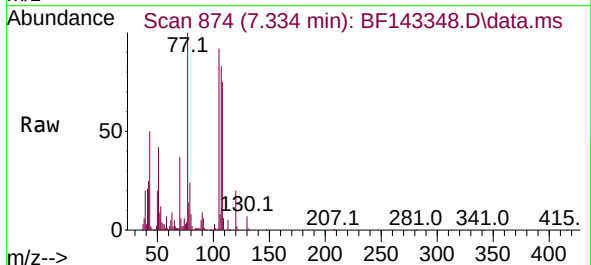
Ion	Ratio	Lower	Upper
70	100		
42	65.3	51.6	77.4
101	9.2	7.5	11.3
130	19.6	15.8	23.6

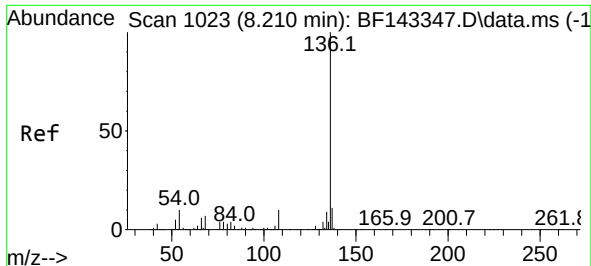


#20
3+4-Methylphenols
Concen: 48.609 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 107 Resp: 505153

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.6	110.6
77	121.1	112.0	152.0
79	29.5	9.9	49.9

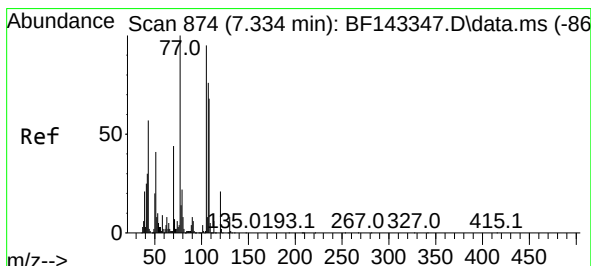
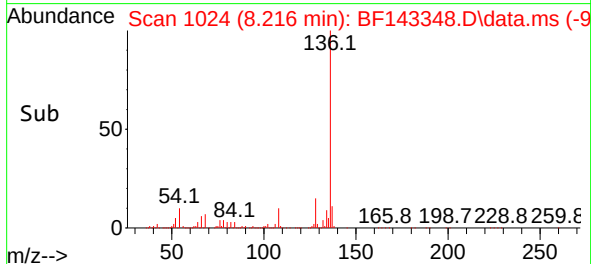
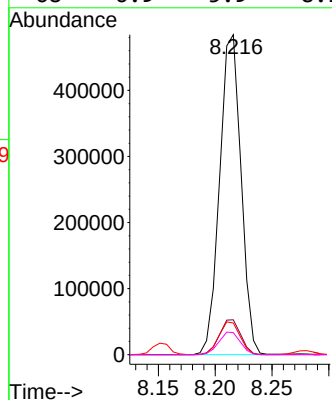
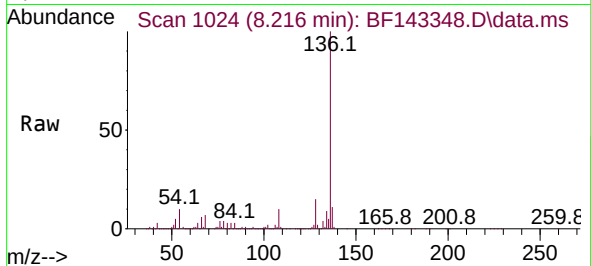




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1023
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

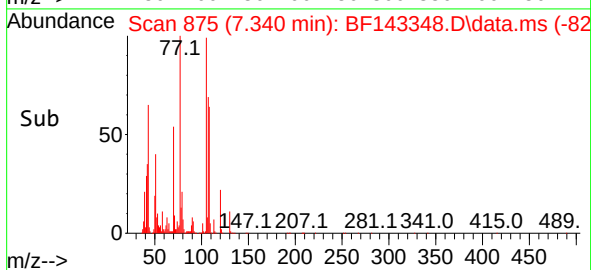
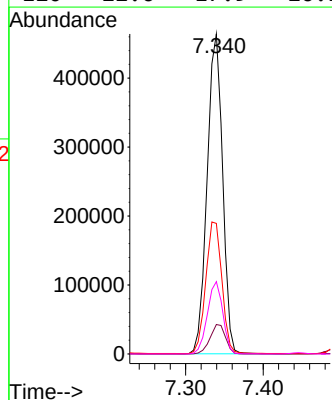
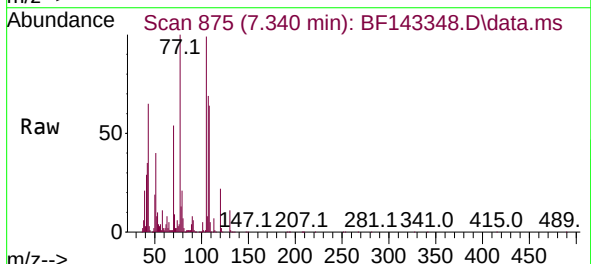
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

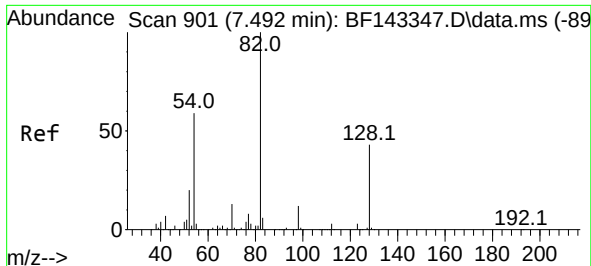
Tgt Ion:136	Resp: 635446
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 9.9	8.4 12.6
68 6.9	5.9 8.9



#22
Acetophenone
Concen: 45.886 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:105	Resp: 642443
Ion Ratio	Lower Upper
105 100	
71 9.2	6.2 9.4
51 40.8	34.8 52.2
120 22.6	17.9 26.9





#23

Nitrobenzene-d5

Concen: 102.072 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

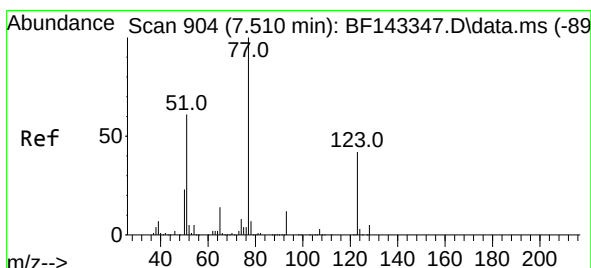
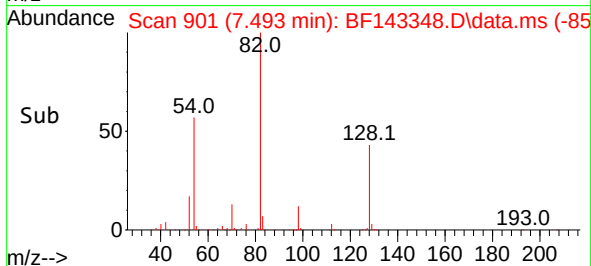
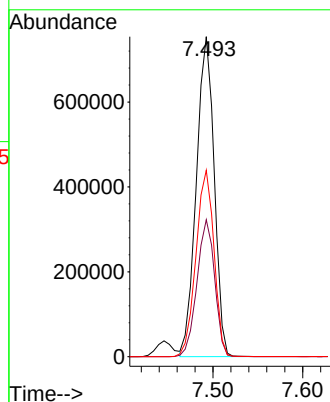
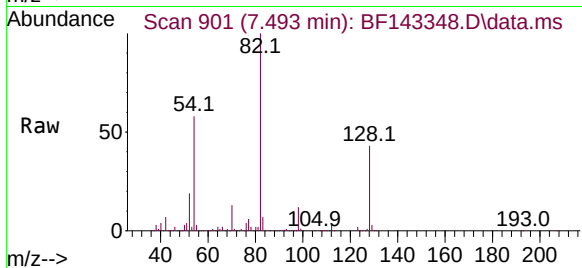
Tgt Ion: 82 Resp: 1041552

Ion Ratio Lower Upper

82 100

128 42.8 33.5 50.3

54 58.2 46.7 70.1



#24

Nitrobenzene

Concen: 50.388 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

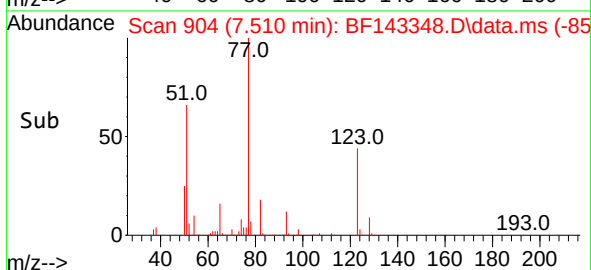
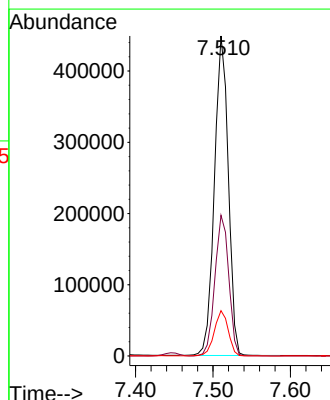
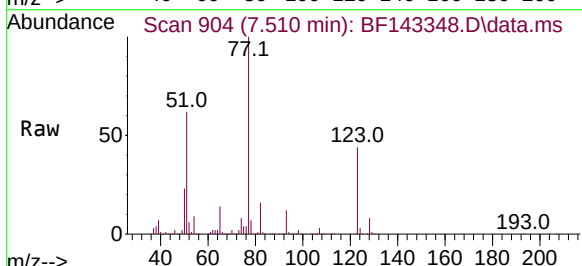
Tgt Ion: 77 Resp: 558404

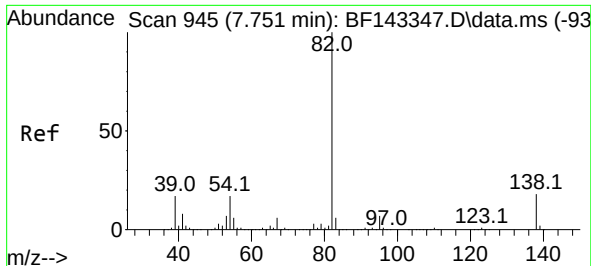
Ion Ratio Lower Upper

77 100

123 43.9 34.8 52.2

65 14.1 11.0 16.6

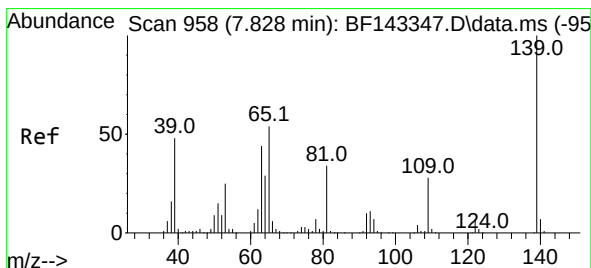
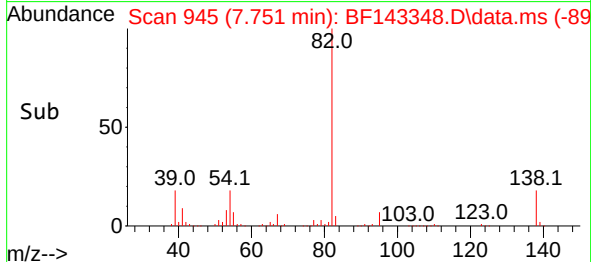
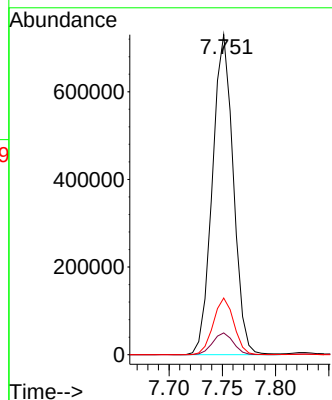
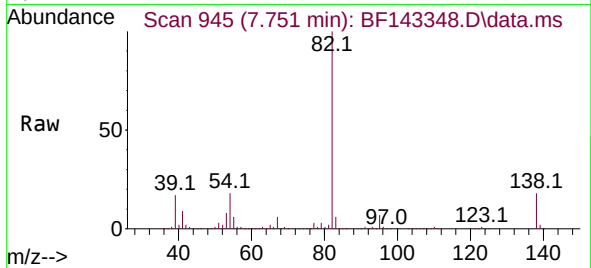




#25
Isophorone
Concen: 47.796 ng
RT: 7.751 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

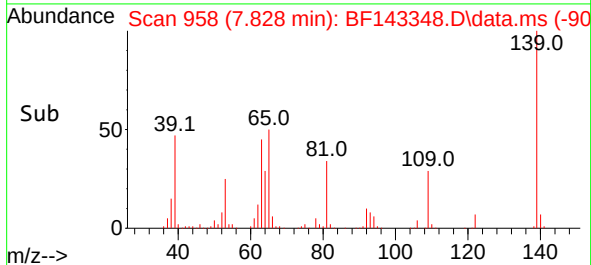
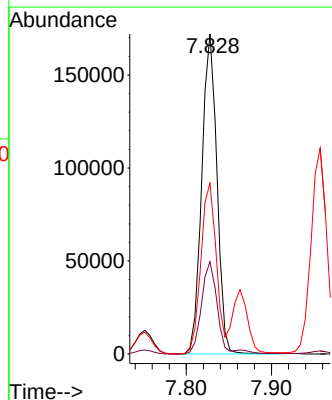
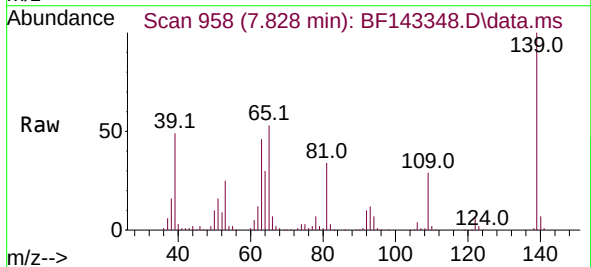
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

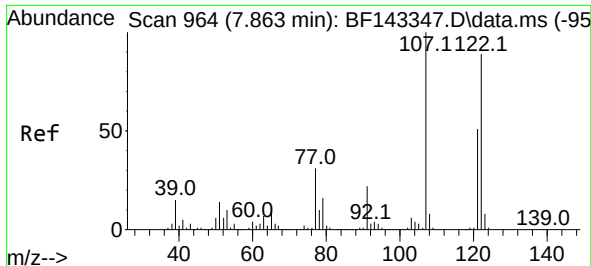
Tgt Ion: 82 Resp: 995651
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.7 14.6 21.8



#26
2-Nitrophenol
Concen: 47.982 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 139 Resp: 213083
Ion Ratio Lower Upper
139 100
109 28.9 22.4 33.6
65 53.4 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 50.217 ng

RT: 7.863 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

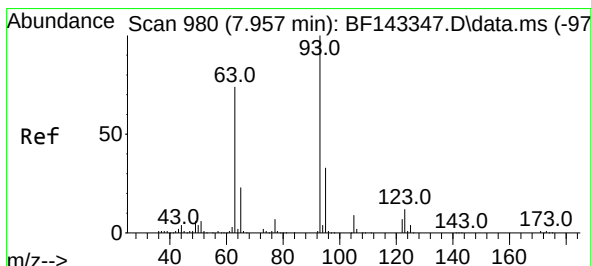
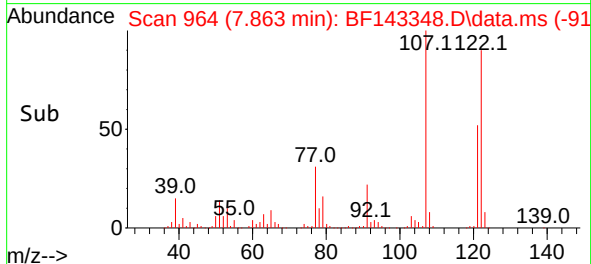
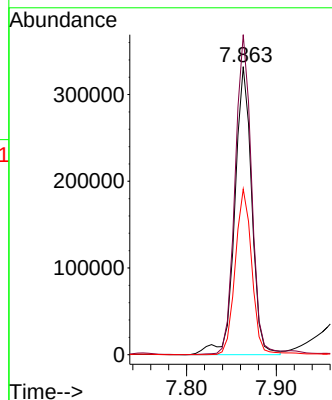
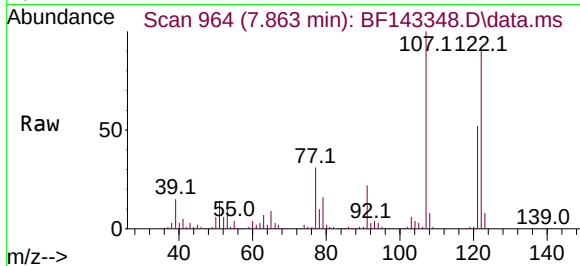
Tgt Ion:122 Resp: 436419

Ion Ratio Lower Upper

122 100

107 111.1 89.9 134.9

121 57.5 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 47.865 ng

RT: 7.957 min Scan# 980

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

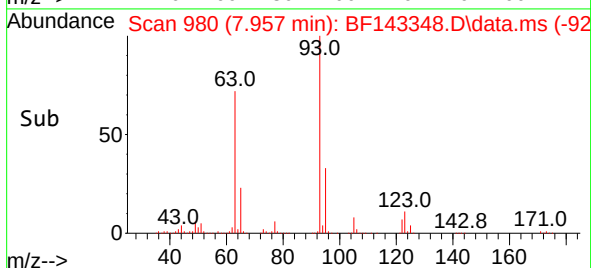
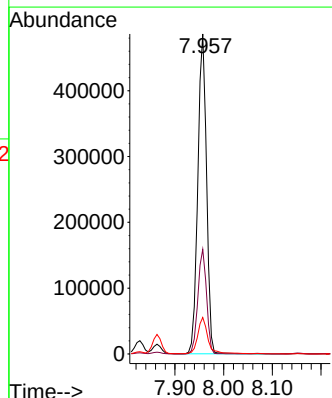
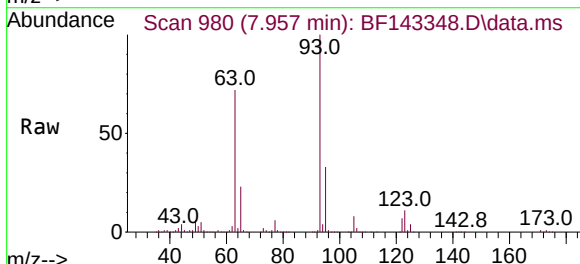
Tgt Ion: 93 Resp: 608760

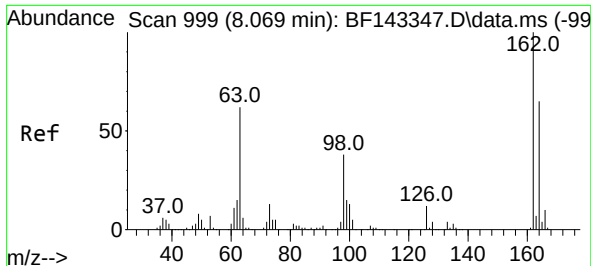
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.4

123 11.4 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 50.485 ng

RT: 8.069 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF143348.D

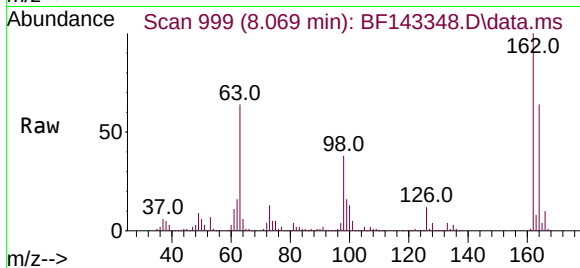
Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDIC050



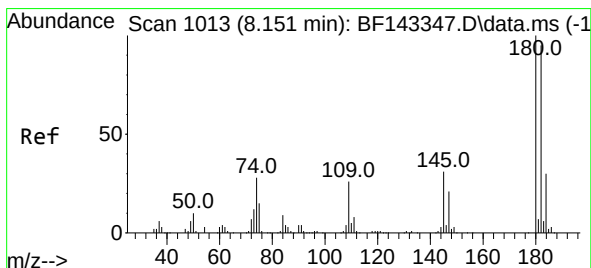
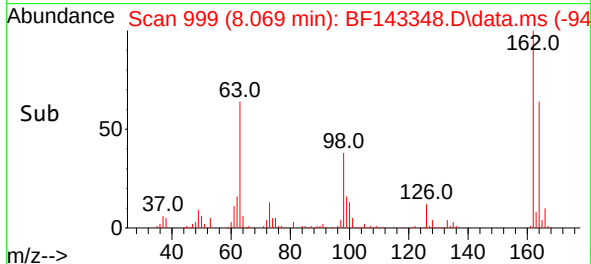
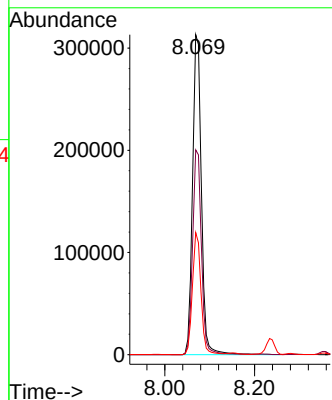
Tgt Ion:162 Resp: 428530

Ion Ratio Lower Upper

162 100

164 64.0 44.5 84.5

98 38.1 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 47.795 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

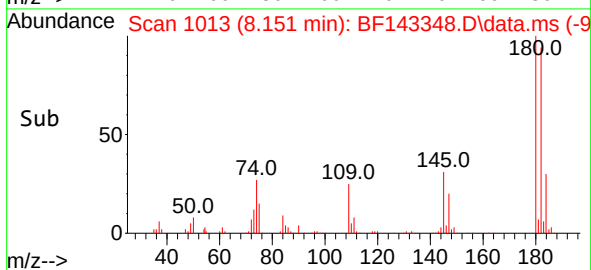
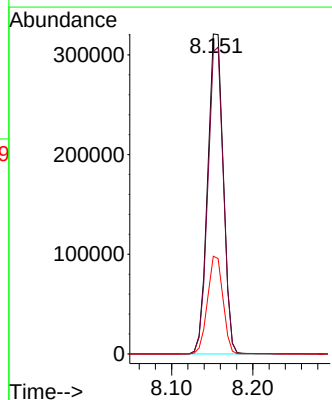
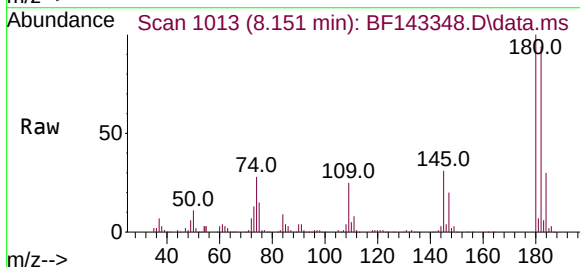
Tgt Ion:180 Resp: 427946

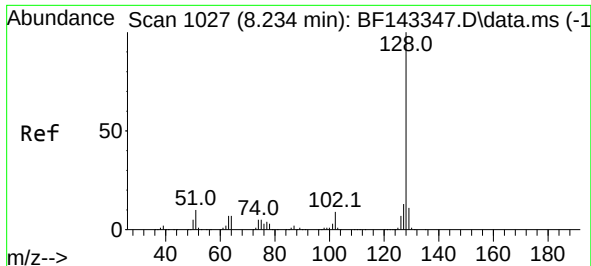
Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

145 30.6 24.9 37.3

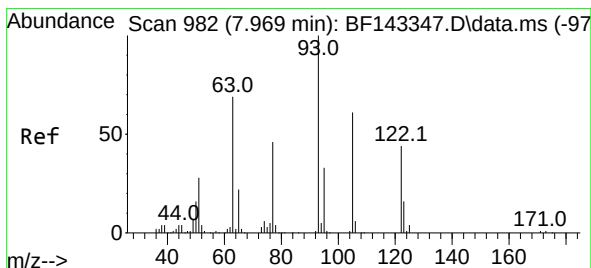
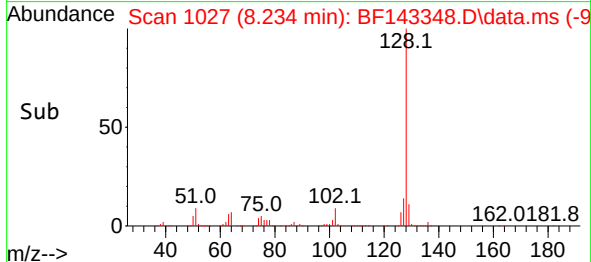
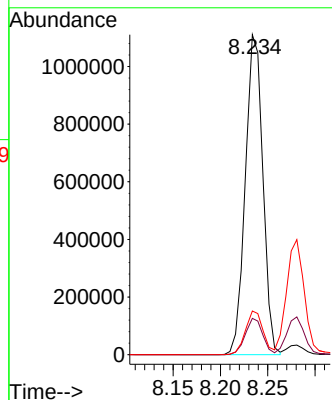
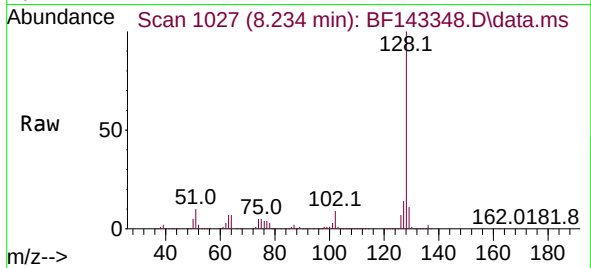




#31
Naphthalene
Concen: 46.809 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

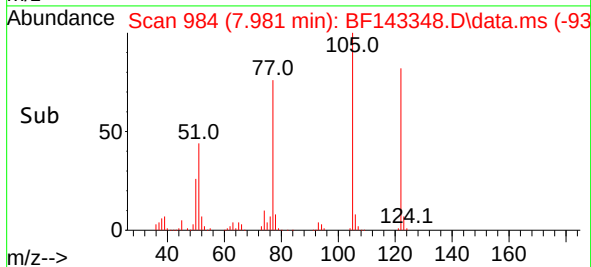
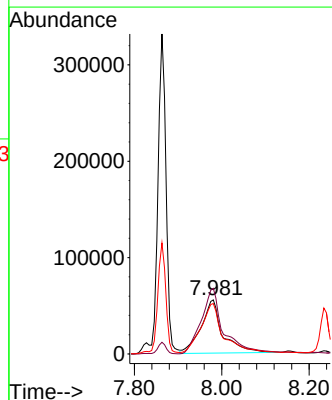
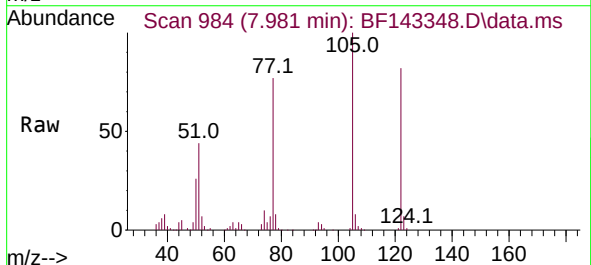
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

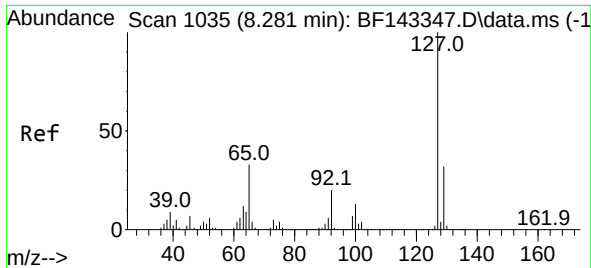
Tgt Ion:128 Resp: 1431280
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.6 10.7 16.1



#32
Benzoic acid
Concen: 49.943 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:122 Resp: 191072
Ion Ratio Lower Upper
122 100
105 121.5 106.4 146.4
77 93.2 79.2 119.2

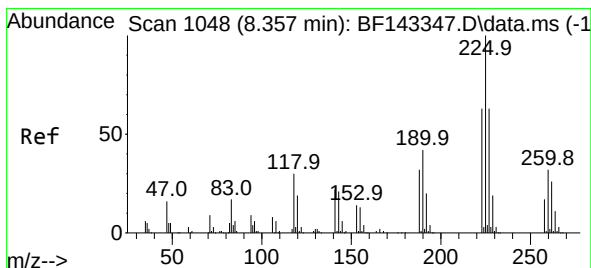
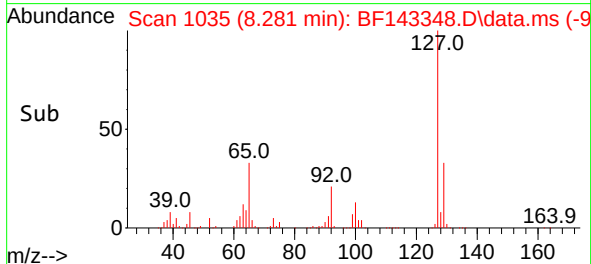
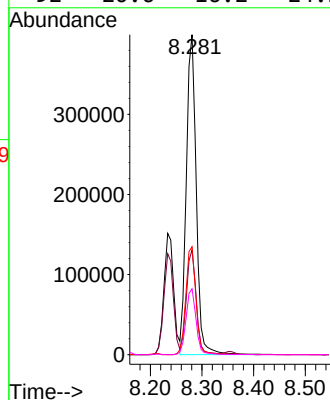
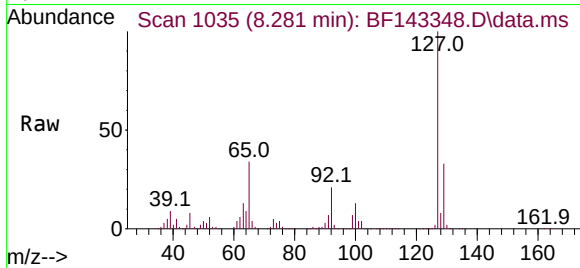




#33
4-Chloroaniline
Concen: 48.171 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

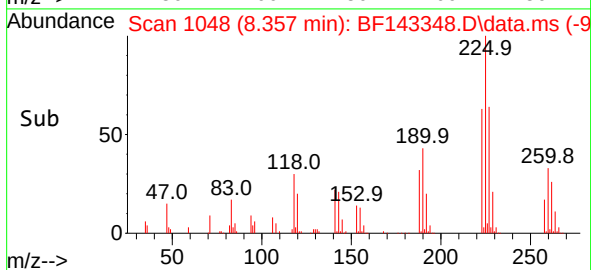
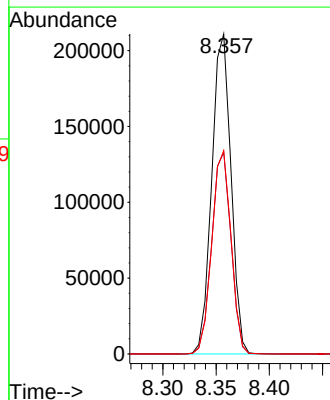
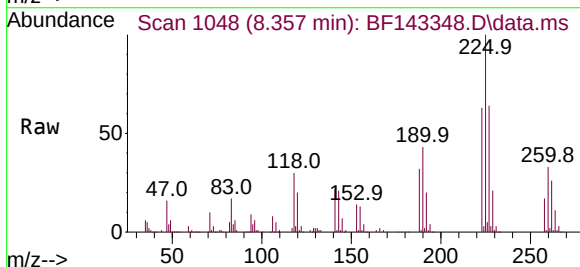
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

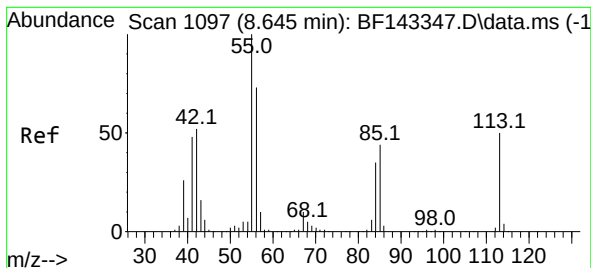
Tgt Ion:	127	Resp:	531257
Ion Ratio	Lower	Upper	
127	100		
129	32.8	26.0	39.0
65	33.7	27.0	40.4
92	20.6	16.2	24.2



#34
Hexachlorobutadiene
Concen: 47.488 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:	225	Resp:	264501
Ion Ratio	Lower	Upper	
225	100		
223	63.0	50.1	75.1
227	63.6	50.6	75.8





#35

Caprolactam

Concen: 51.952 ng

RT: 8.651 min Scan# 1109

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

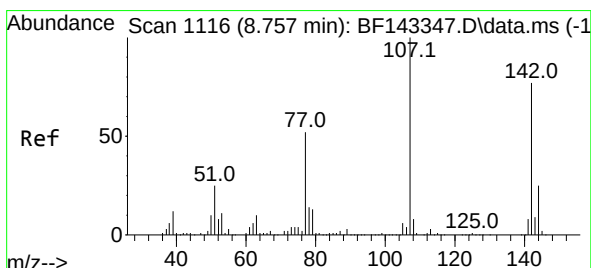
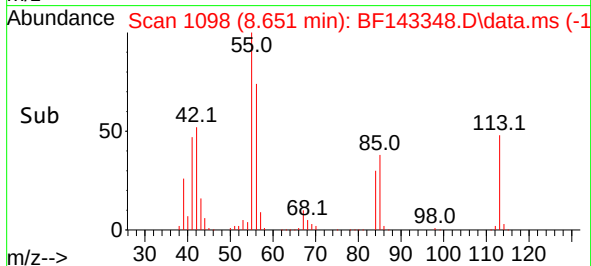
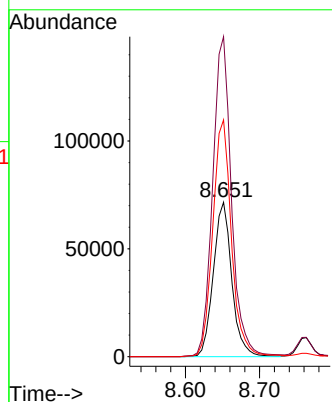
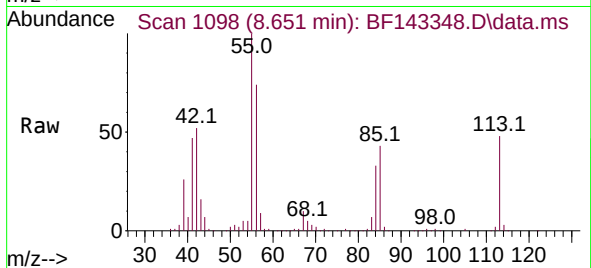
Tgt Ion:113 Resp: 123969

Ion Ratio Lower Upper

113 100

55 207.2 181.4 221.4

56 153.3 127.3 167.3



#36

4-Chloro-3-methylphenol

Concen: 49.741 ng

RT: 8.763 min Scan# 1117

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

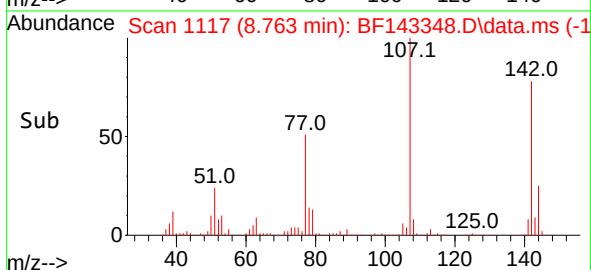
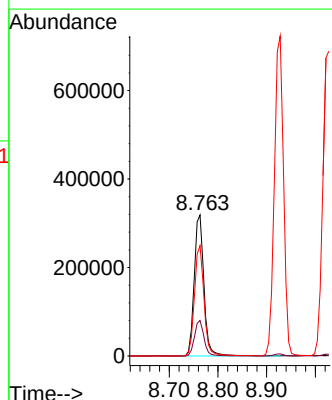
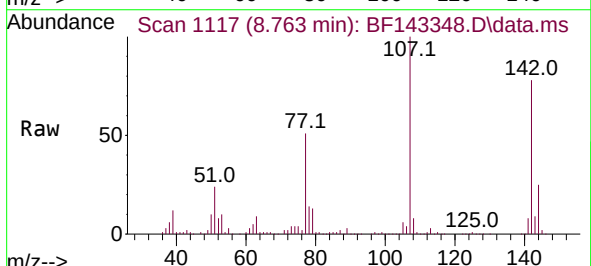
Tgt Ion:107 Resp: 442622

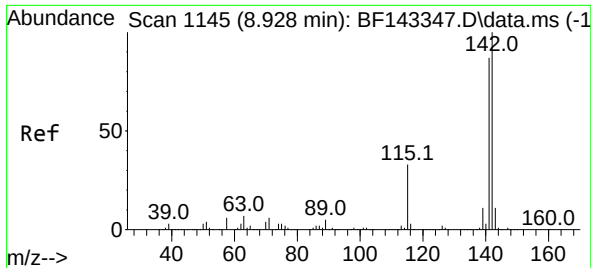
Ion Ratio Lower Upper

107 100

144 25.2 20.0 30.0

142 78.4 61.3 91.9





#37

2-Methylnaphthalene

Concen: 46.712 ng

RT: 8.928 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

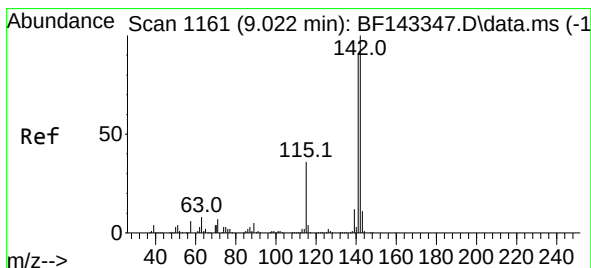
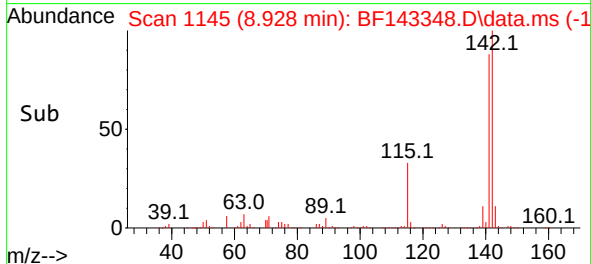
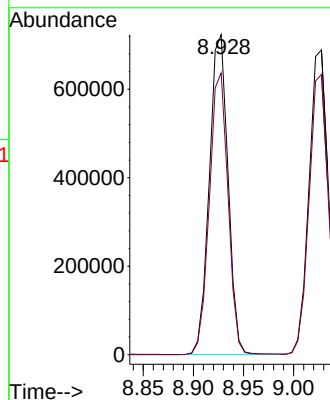
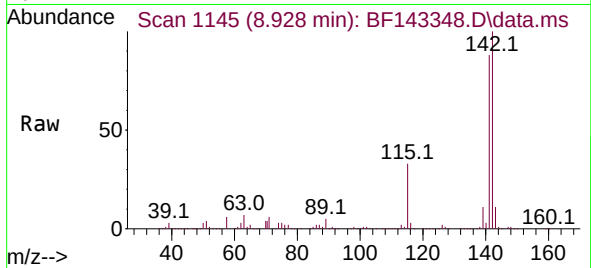
SSTDICC050

Tgt Ion:142 Resp: 938982

Ion Ratio Lower Upper

142 100

141 88.0 69.8 104.8



#38

1-Methylnaphthalene

Concen: 46.606 ng

RT: 9.028 min Scan# 1162

Delta R.T. 0.006 min

Lab File: BF143348.D

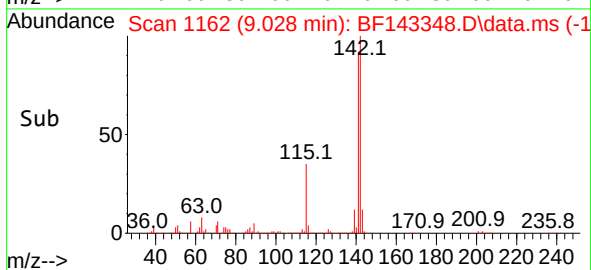
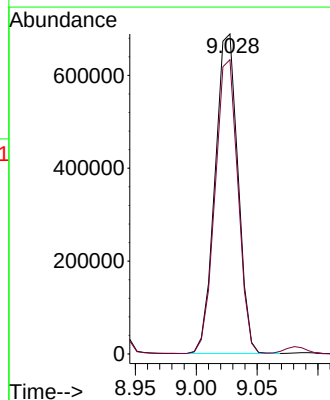
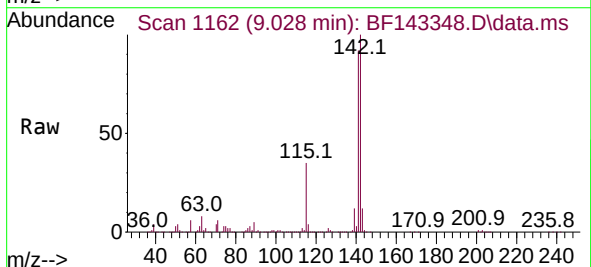
Acq: 12 Aug 2025 11:37

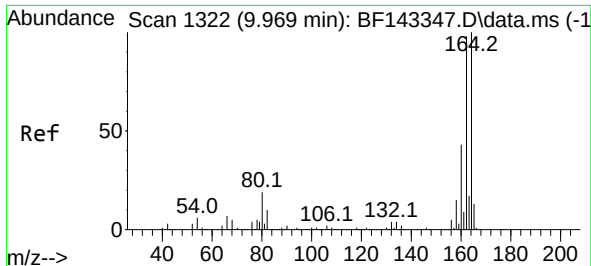
Tgt Ion:142 Resp: 902313

Ion Ratio Lower Upper

142 100

141 91.9 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

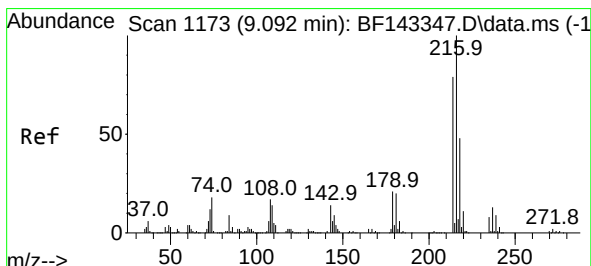
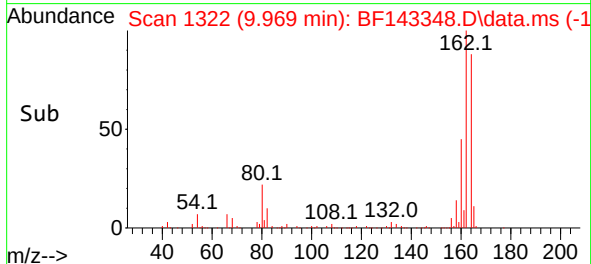
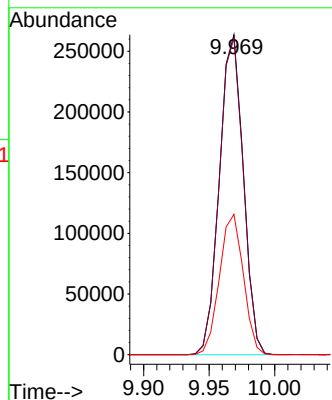
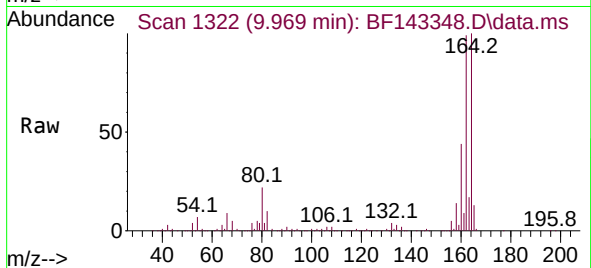
Tgt Ion:164 Resp: 333763

Ion Ratio Lower Upper

164 100

162 98.9 78.6 118.0

160 43.8 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.877 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Tgt Ion:216 Resp: 437268

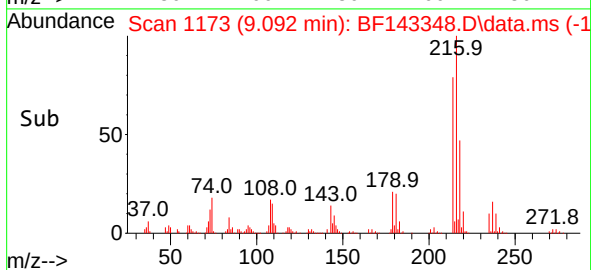
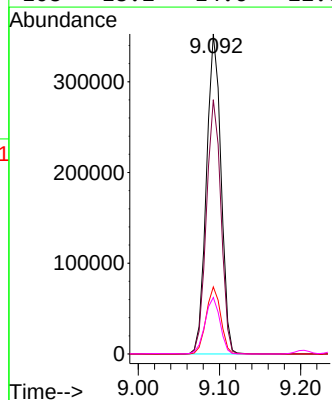
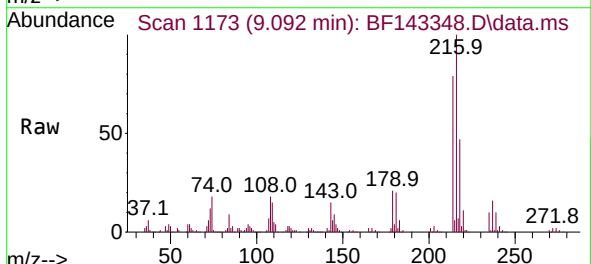
Ion Ratio Lower Upper

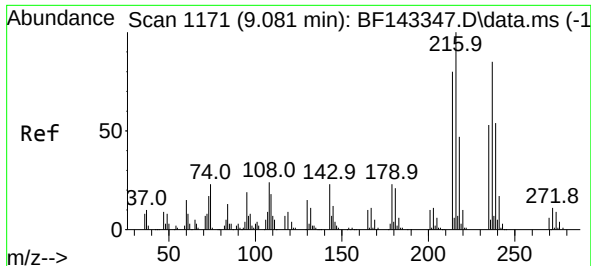
216 100

214 79.5 63.0 94.4

179 20.9 17.0 25.4

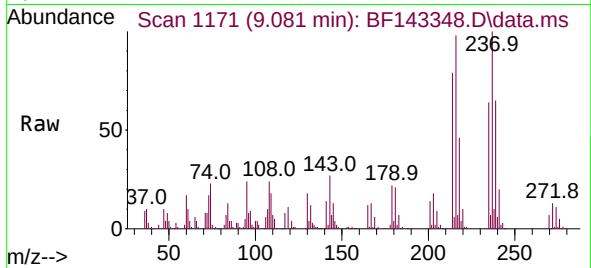
108 18.2 14.6 22.0



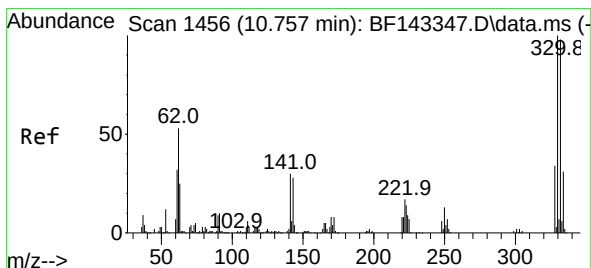
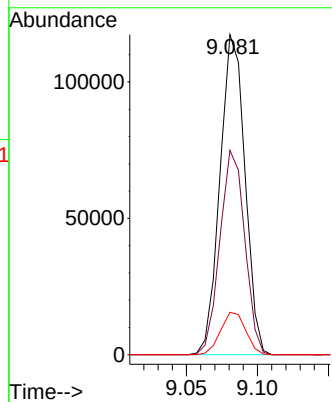
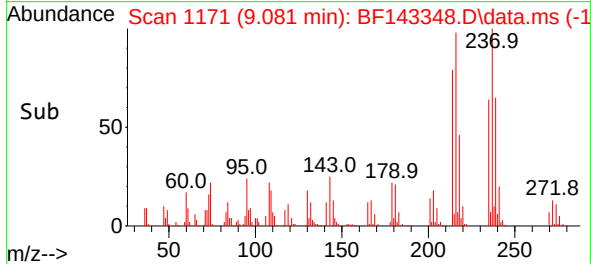


#41
Hexachlorocyclopentadiene
Concen: 47.474 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

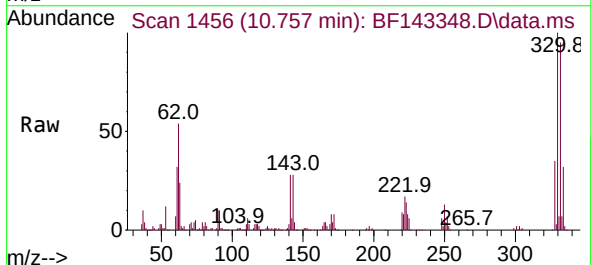
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



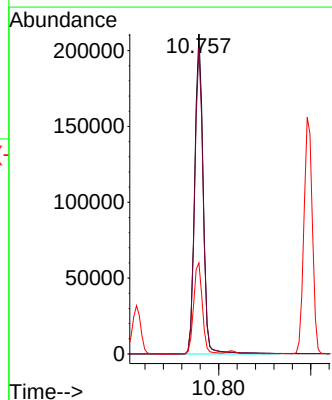
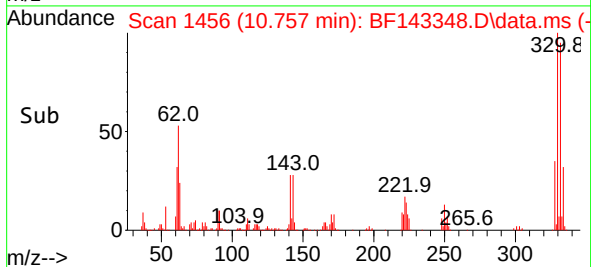
Tgt Ion:237 Resp: 143487
Ion Ratio Lower Upper
237 100
235 63.8 42.0 82.0
272 13.3 0.0 32.6

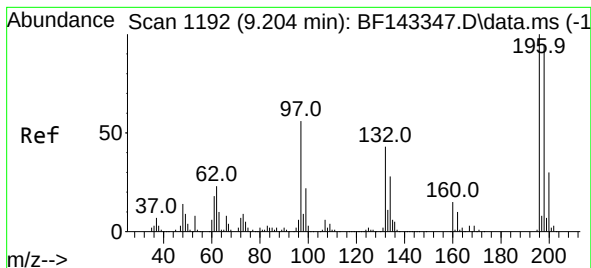


#42
2,4,6-Tribromophenol
Concen: 109.378 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37



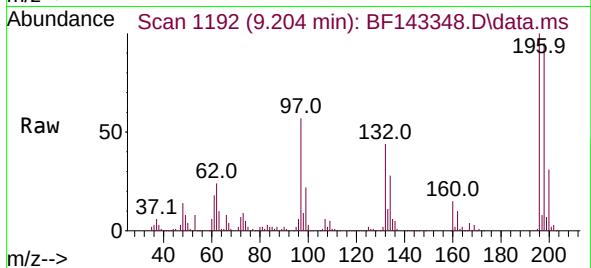
Tgt Ion:330 Resp: 266796
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 29.6 25.4 38.0



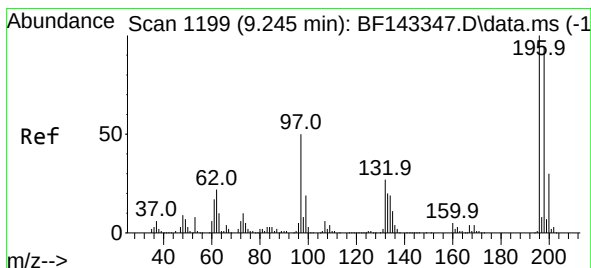
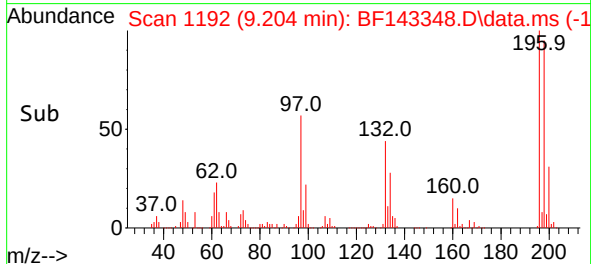
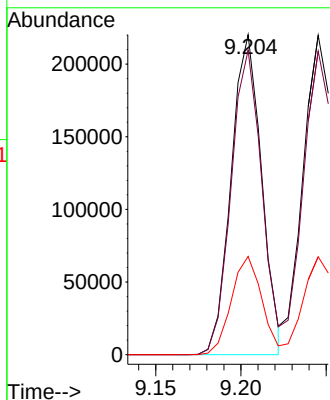


#43
2,4,6-Trichlorophenol
Concen: 52.773 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

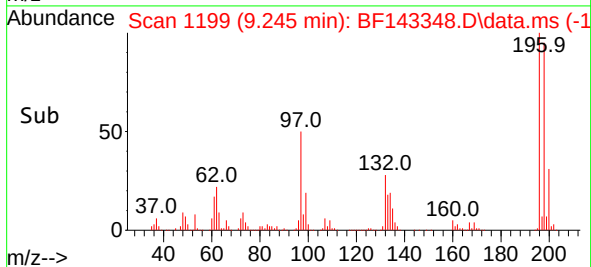
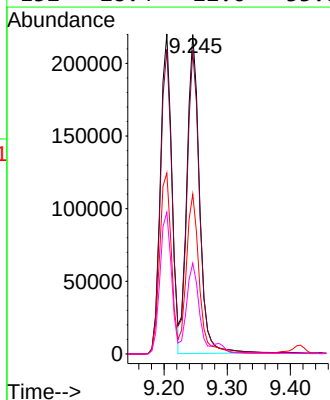
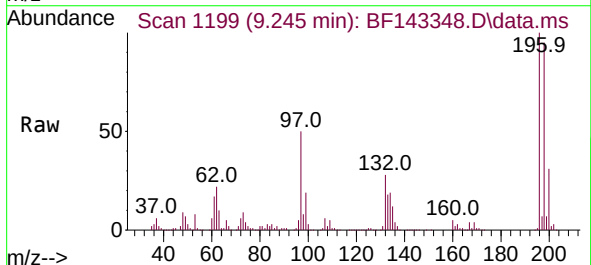


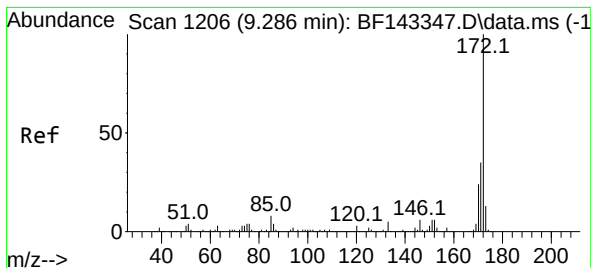
Tgt Ion:196 Resp: 273471
Ion Ratio Lower Upper
196 100
198 95.1 75.4 113.0
200 30.7 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 51.948 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:196 Resp: 303993
Ion Ratio Lower Upper
196 100
198 95.1 75.4 113.2
97 50.0 39.9 59.9
132 28.4 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 89.893 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

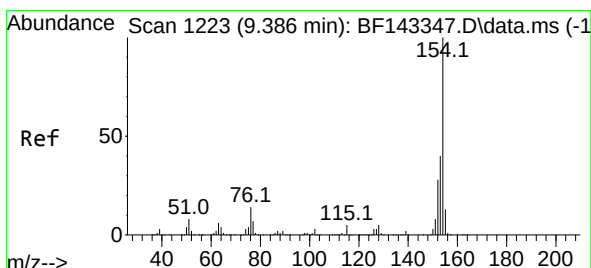
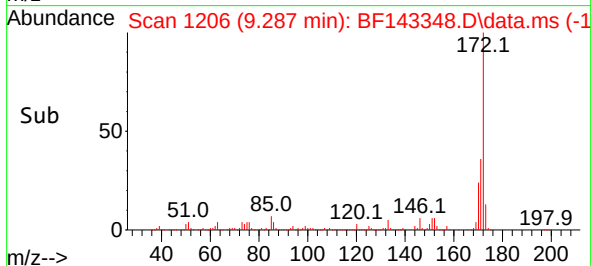
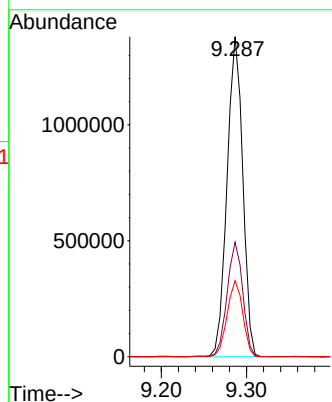
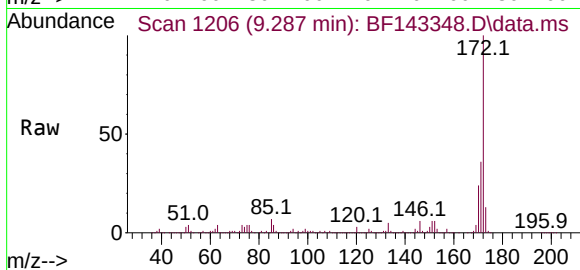
Tgt Ion:172 Resp: 1769302

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.8 19.1 28.7



#46

1,1'-Biphenyl

Concen: 46.558 ng

RT: 9.387 min Scan# 1223

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

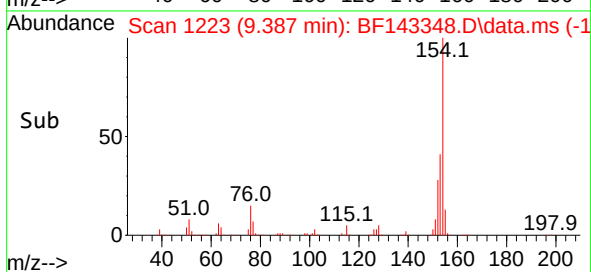
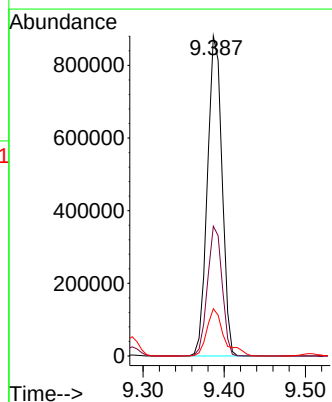
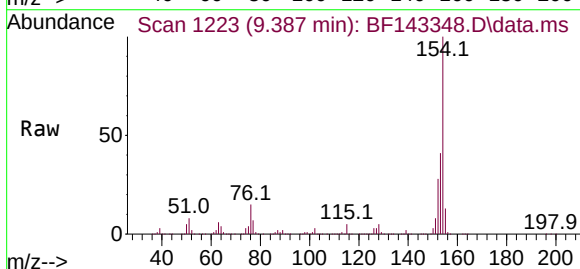
Tgt Ion:154 Resp: 1098727

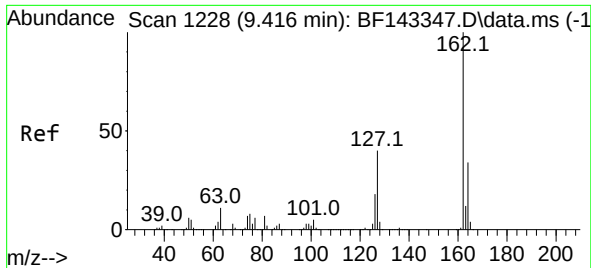
Ion Ratio Lower Upper

154 100

153 40.6 20.2 60.2

76 14.8 0.0 34.4

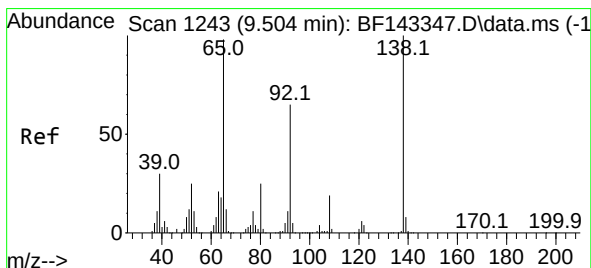
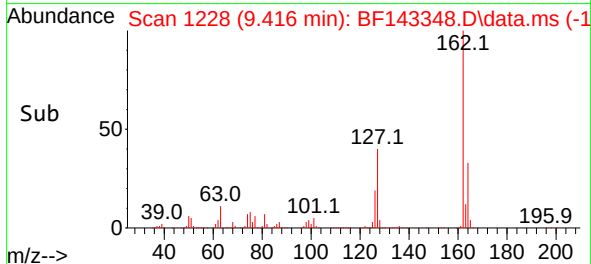
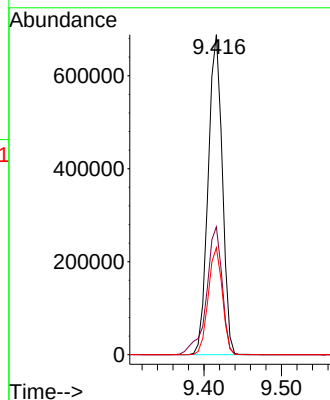
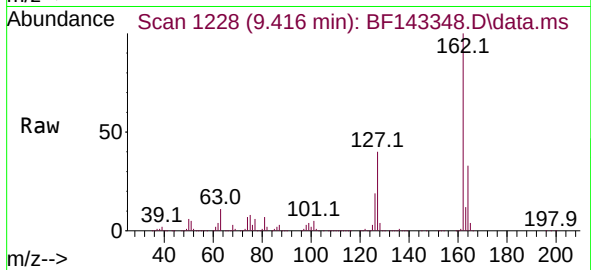




#47
2-Chloronaphthalene
Concen: 46.944 ng
RT: 9.416 min Scan# 1228
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

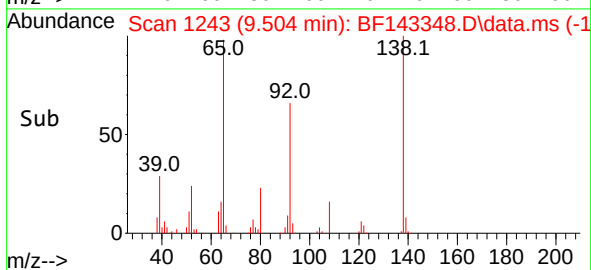
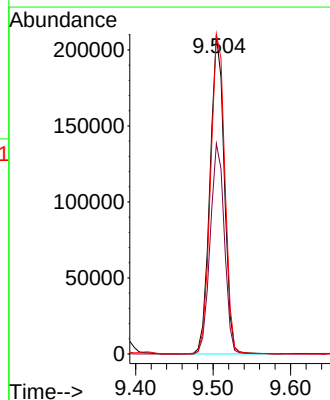
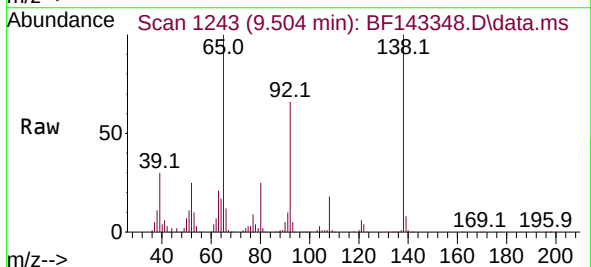
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

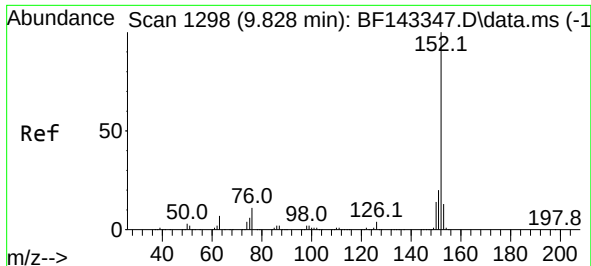
Tgt Ion:162 Resp: 872497
Ion Ratio Lower Upper
162 100
127 39.9 32.1 48.1
164 33.5 27.0 40.4



#48
2-Nitroaniline
Concen: 49.816 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 65 Resp: 267630
Ion Ratio Lower Upper
65 100
92 66.0 53.1 79.7
138 100.4 81.4 122.0





#49

Acenaphthylene

Concen: 47.424 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

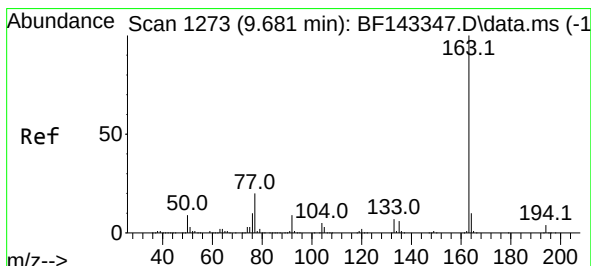
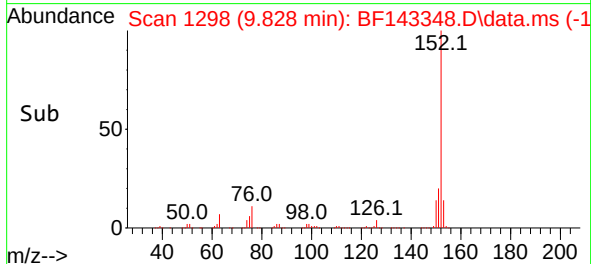
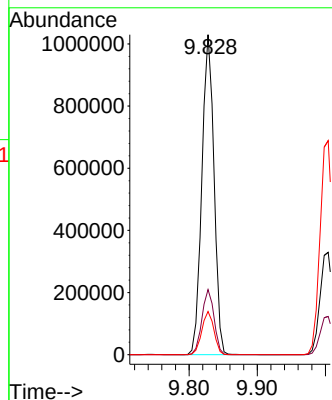
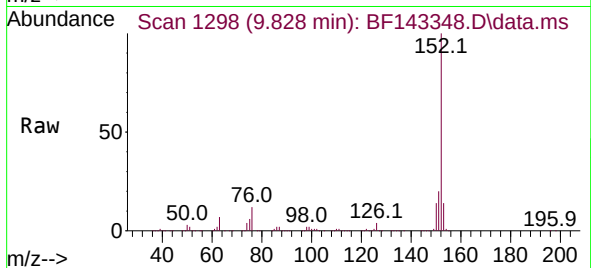
Tgt Ion:152 Resp: 1272878

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 13.5 10.6 16.0



#50

Dimethylphthalate

Concen: 48.946 ng

RT: 9.681 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

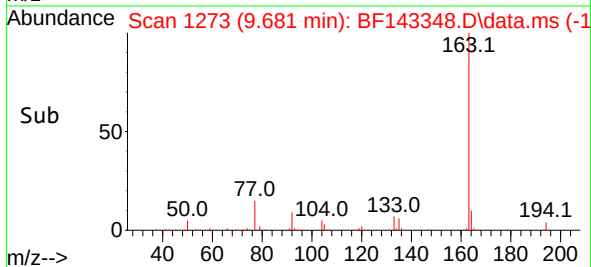
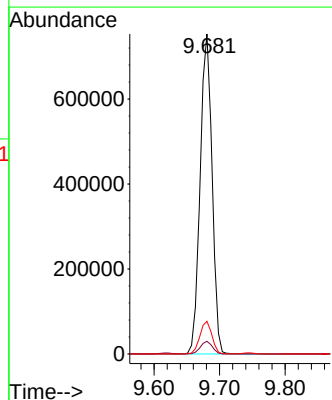
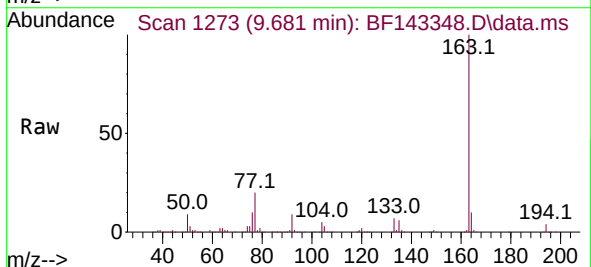
Tgt Ion:163 Resp: 954560

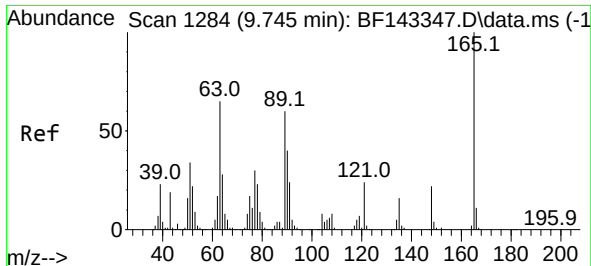
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 49.400 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

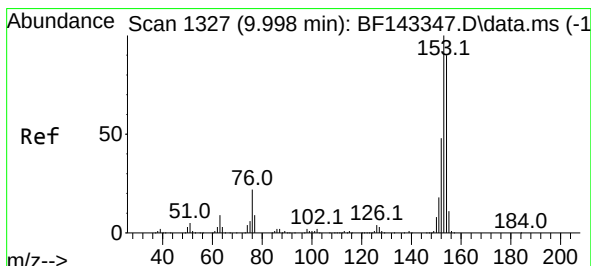
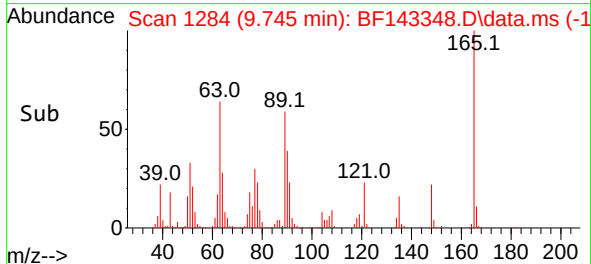
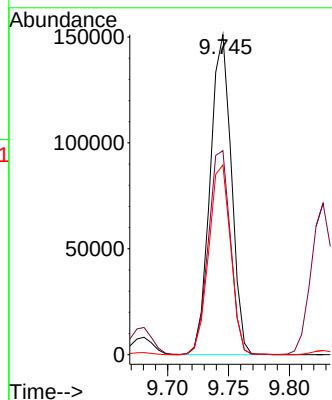
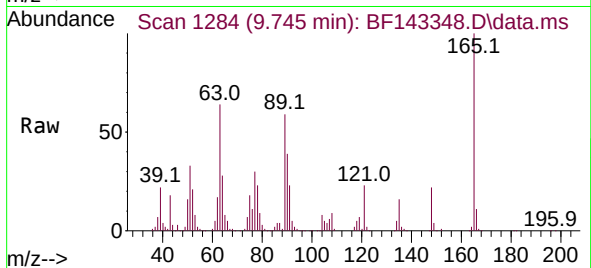
Tgt Ion:165 Resp: 182648

Ion Ratio Lower Upper

165 100

63 63.7 51.6 77.4

89 59.3 47.7 71.5



#52

Acenaphthene

Concen: 47.334 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

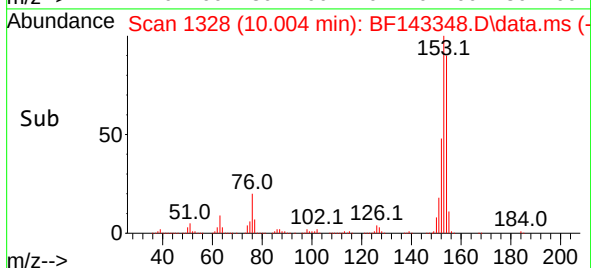
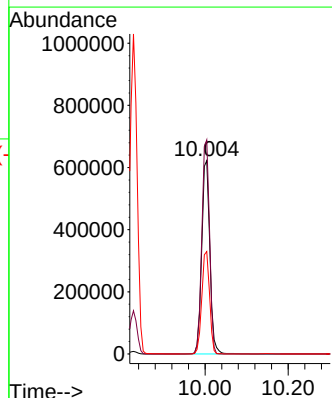
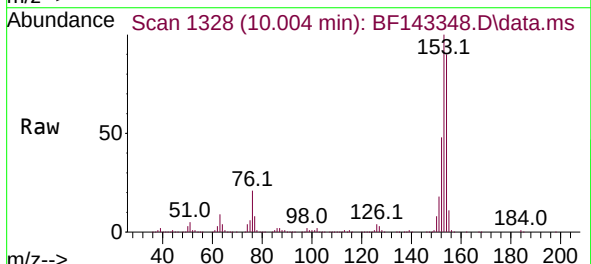
Tgt Ion:154 Resp: 844612

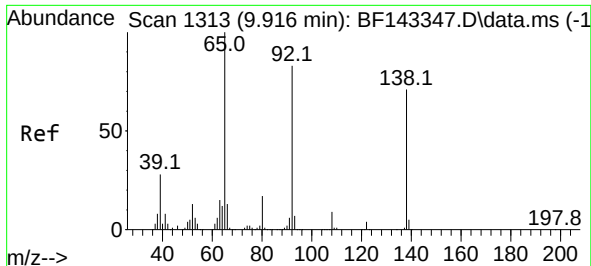
Ion Ratio Lower Upper

154 100

153 110.7 88.5 132.7

152 53.0 42.4 63.6

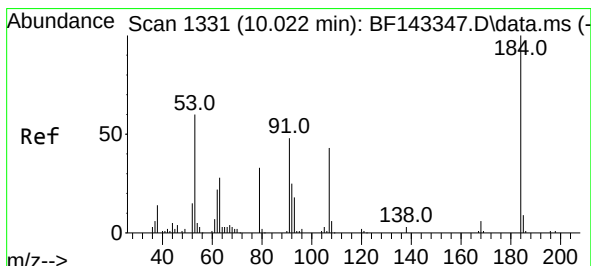
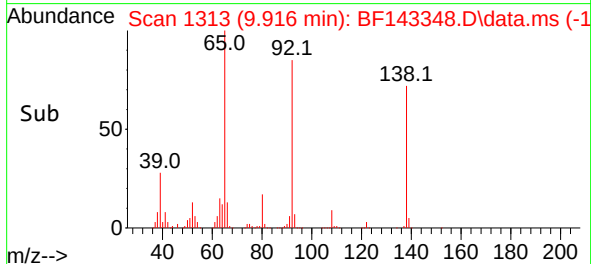
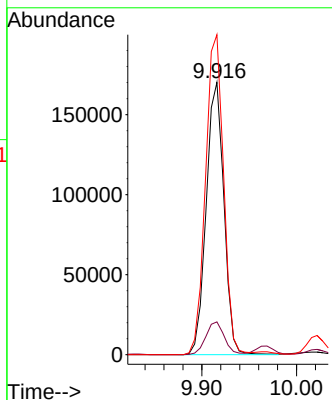
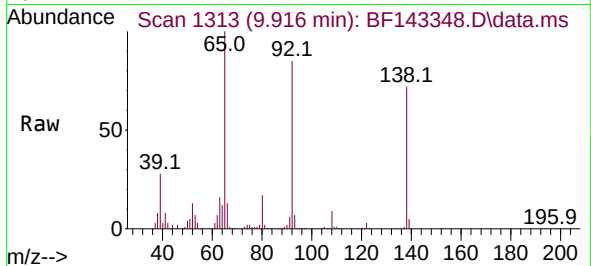




#53
3-Nitroaniline
Concen: 55.316 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

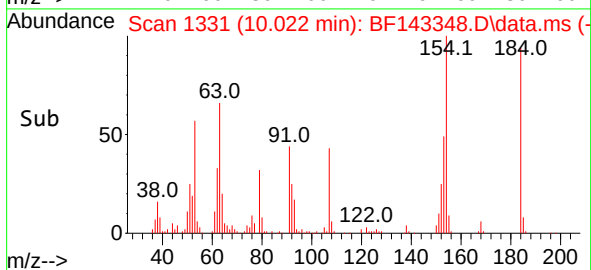
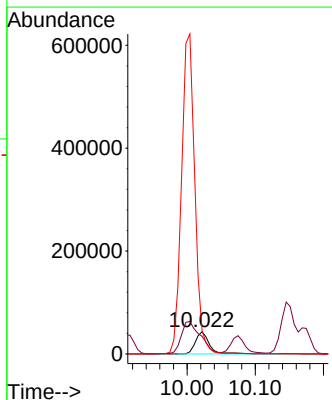
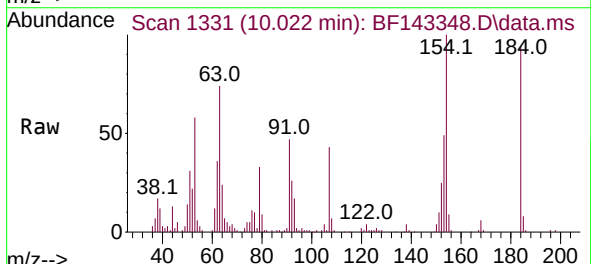
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

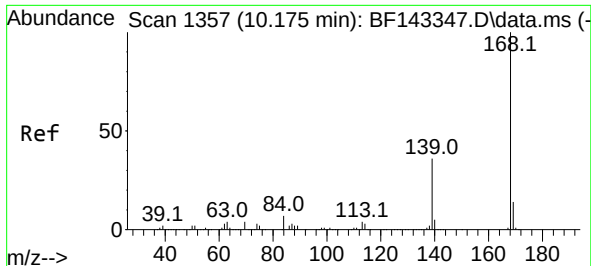
Tgt Ion:138 Resp: 220926
Ion Ratio Lower Upper
138 100
108 12.0 9.6 14.4
92 117.5 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 49.460 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:184 Resp: 61169
Ion Ratio Lower Upper
184 100
63 79.2 62.5 93.7
154 106.6 73.0 109.4

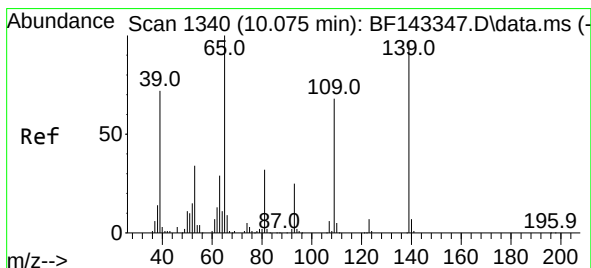
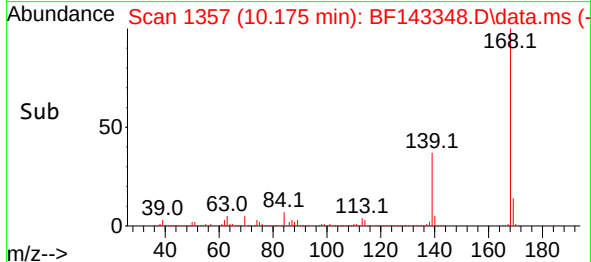
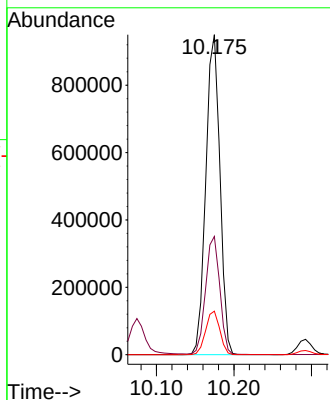
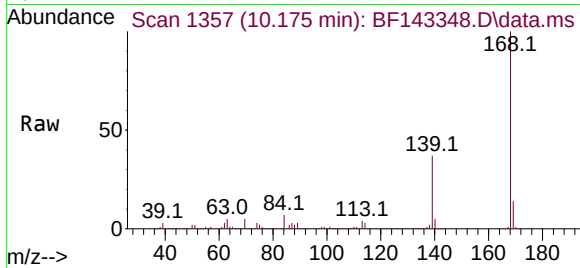




#55
Dibenzofuran
Concen: 46.725 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

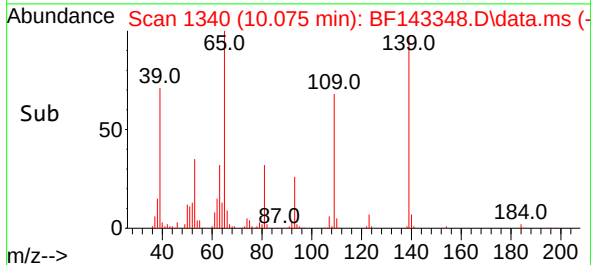
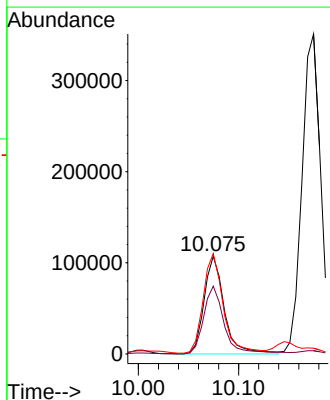
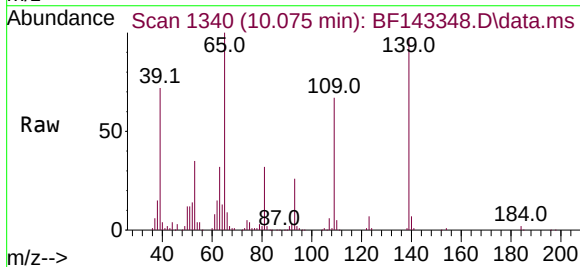
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

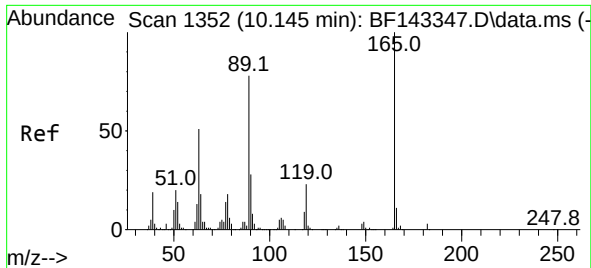
Tgt Ion:168 Resp: 1199947
Ion Ratio Lower Upper
168 100
139 37.0 29.4 44.0
169 13.6 11.0 16.6



#56
4-Nitrophenol
Concen: 49.286 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:139 Resp: 150114
Ion Ratio Lower Upper
139 100
109 69.4 49.4 89.4
65 102.9 83.7 123.7

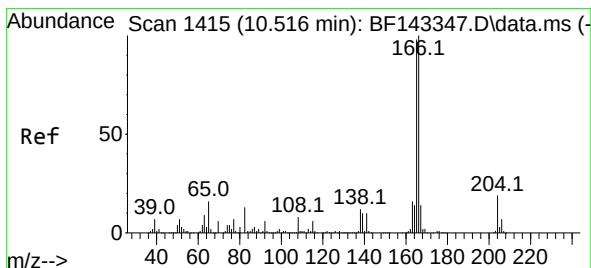
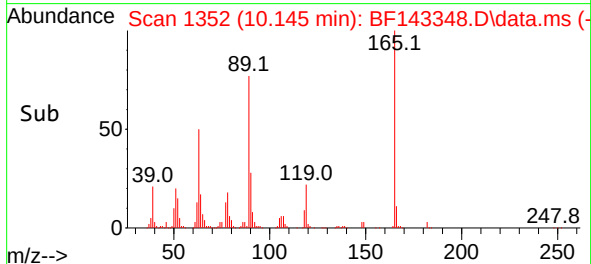
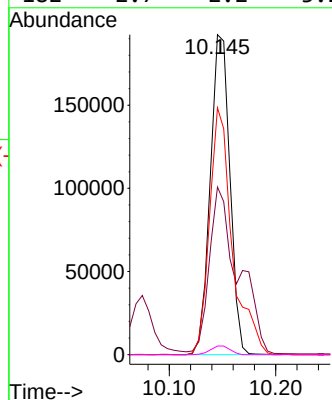
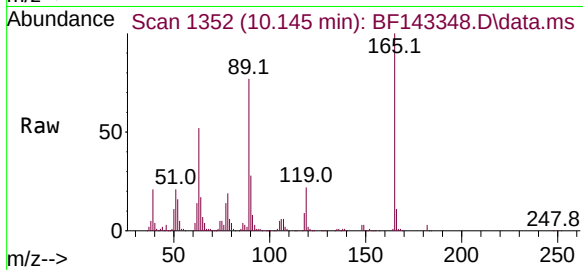




#57
2,4-Dinitrotoluene
Concen: 50.215 ng
RT: 10.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

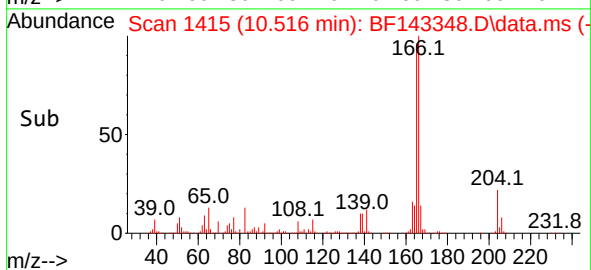
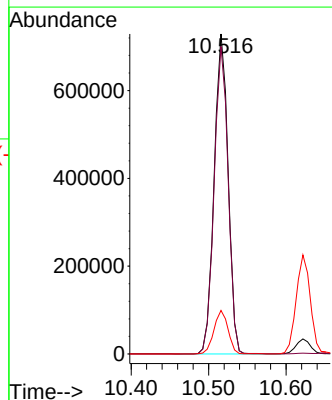
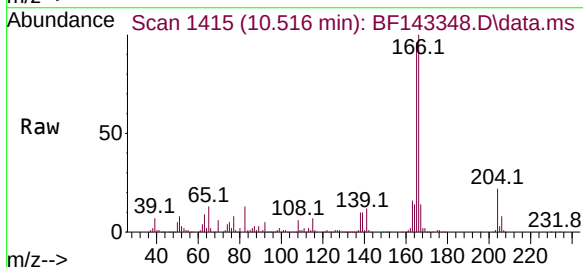
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

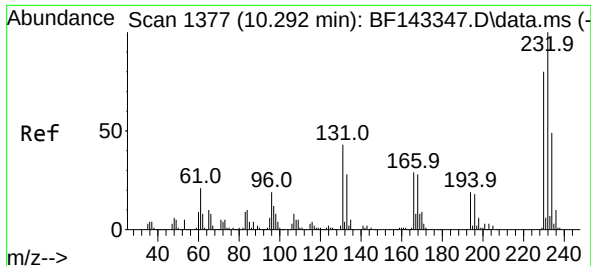
Tgt Ion:	165	Resp:	246635
Ion Ratio	Lower	Upper	
165	100		
63	52.4	41.8	62.8
89	77.1	62.4	93.6
182	2.7	2.2	3.2



#58
Fluorene
Concen: 46.411 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

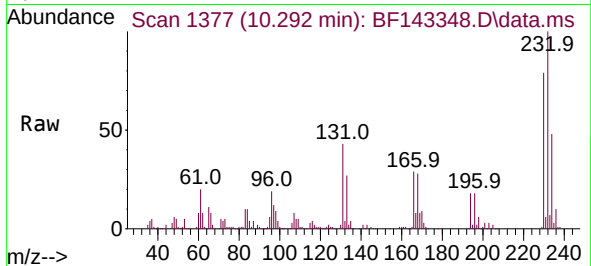
Tgt Ion:	166	Resp:	910380
Ion Ratio	Lower	Upper	
166	100		
165	96.1	78.2	117.4
167	13.6	10.9	16.3



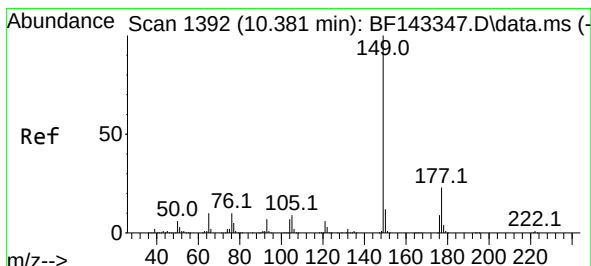
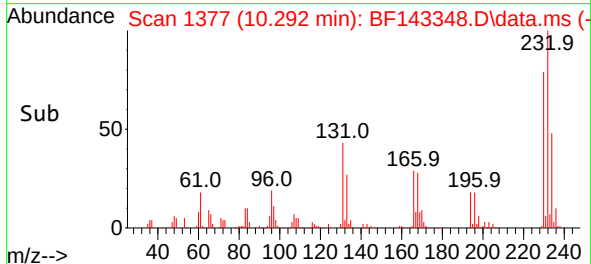
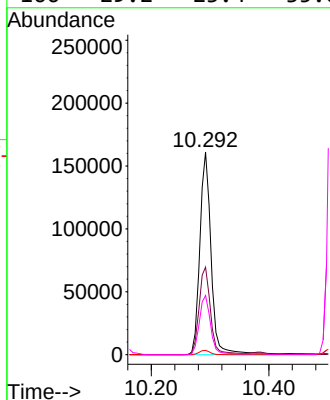


#59
2,3,4,6-Tetrachlorophenol
Concen: 54.543 ng
RT: 10.292 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

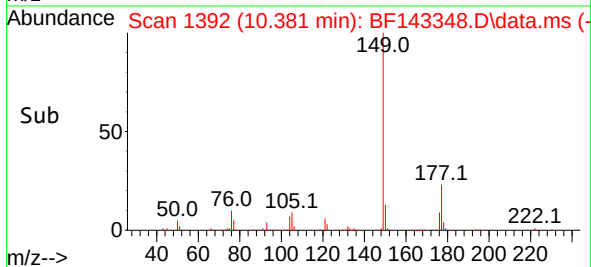
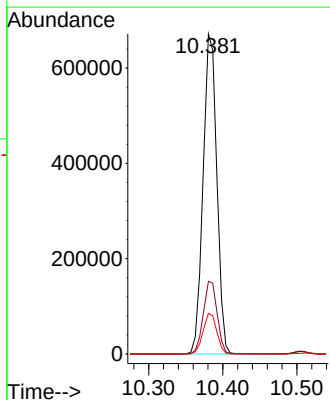
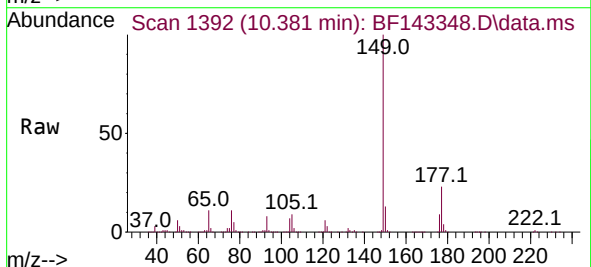


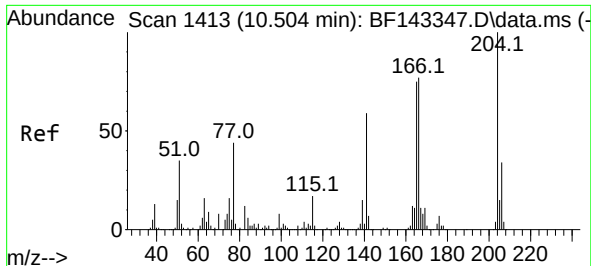
Tgt Ion:232 Resp: 215158
Ion Ratio Lower Upper
232 100
131 43.7 34.6 51.8
130 2.1 1.7 2.5
166 29.2 23.4 35.0



#60
Diethylphthalate
Concen: 49.540 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 865395
Ion Ratio Lower Upper
149 100
177 22.7 18.2 27.2
150 12.7 9.9 14.9

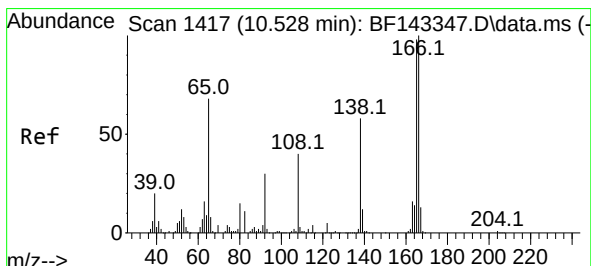
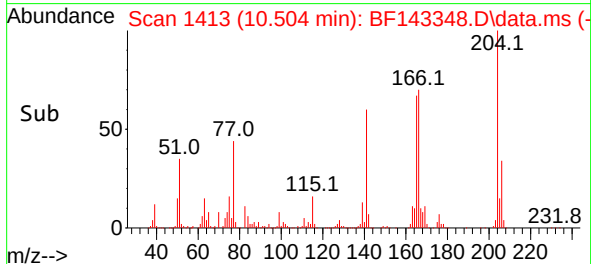
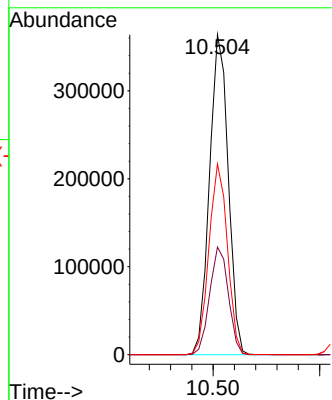
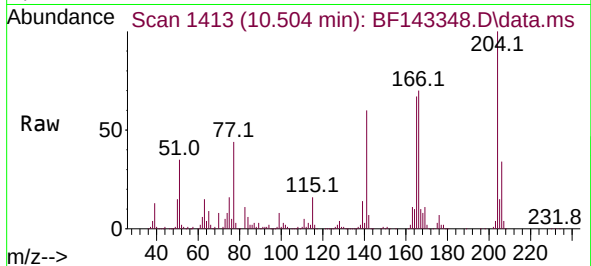




#61
4-Chlorophenyl-phenylether
Concen: 46.885 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

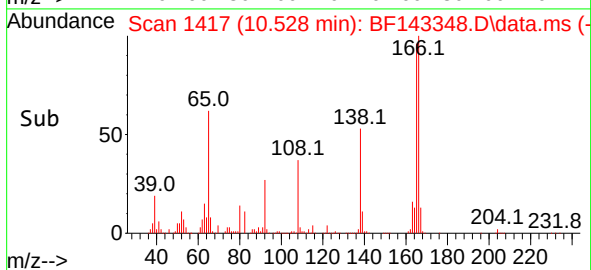
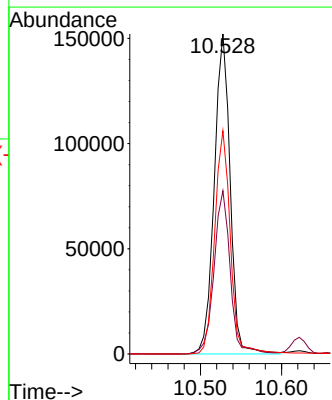
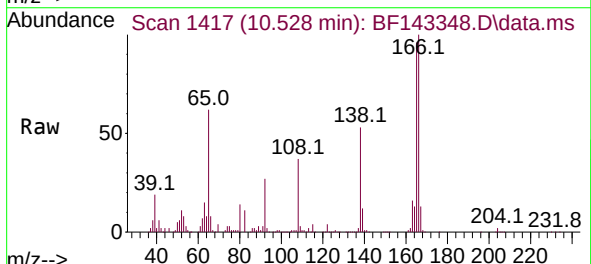
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

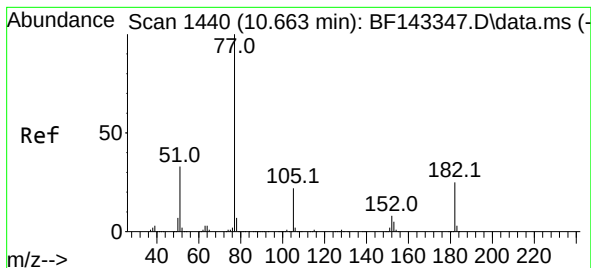
Tgt Ion:204 Resp: 444383
Ion Ratio Lower Upper
204 100
206 33.7 27.4 41.2
141 59.6 46.9 70.3



#62
4-Nitroaniline
Concen: 53.618 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:138 Resp: 207188
Ion Ratio Lower Upper
138 100
92 51.0 31.2 71.2
108 69.7 48.1 88.1

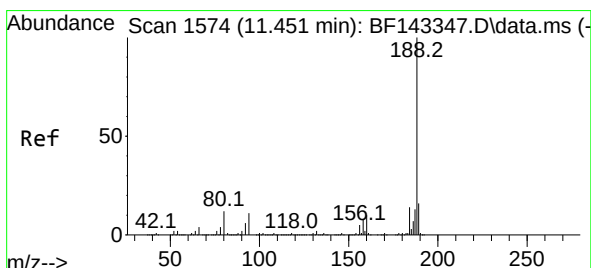
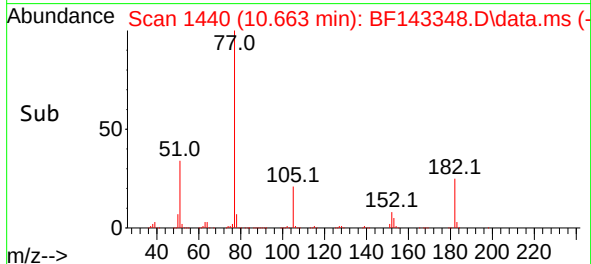
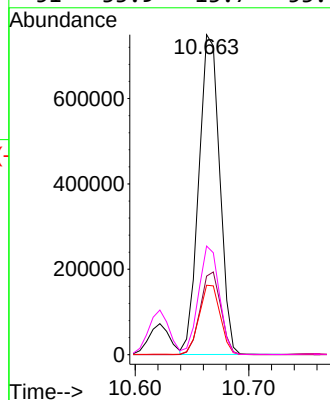
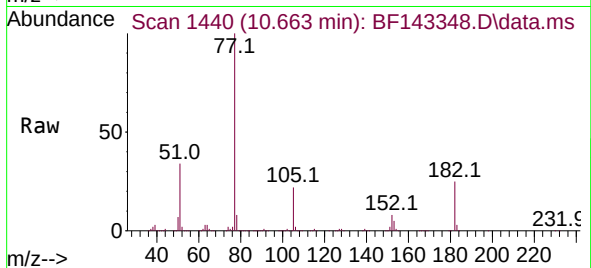




#63
Azobenzene
Concen: 47.978 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

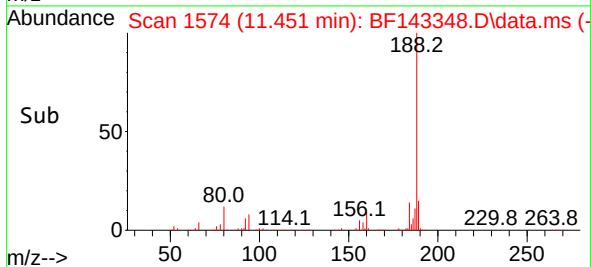
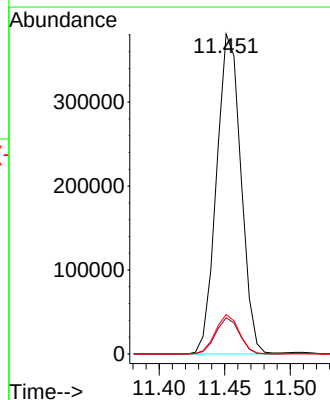
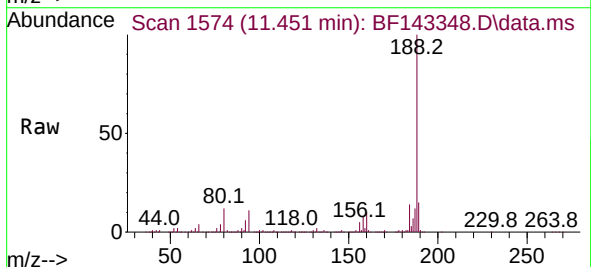
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

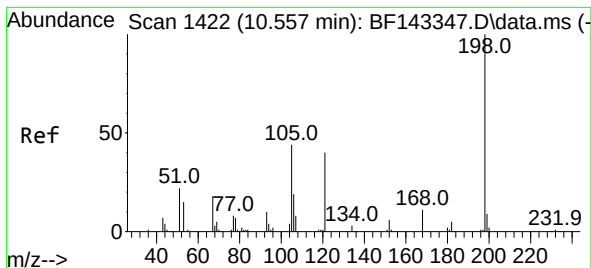
Tgt Ion: 77	Resp: 957306
Ion Ratio	Lower Upper
77 100	
182 24.6	4.4 44.4
105 21.7	1.8 41.8
51 33.9	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:188	Resp: 492512
Ion Ratio	Lower Upper
188 100	
94 11.3	8.8 13.2
80 12.3	9.7 14.5

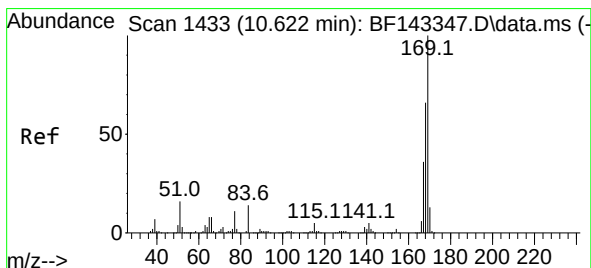
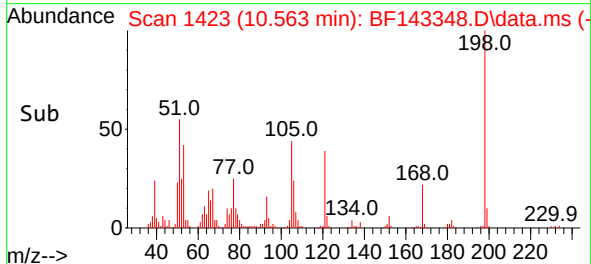
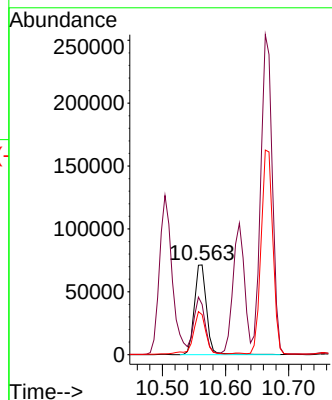
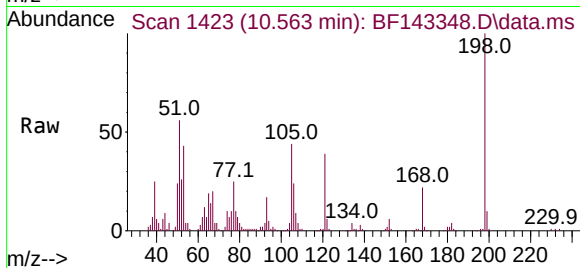




#65
4,6-Dinitro-2-methylphenol
Concen: 47.856 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

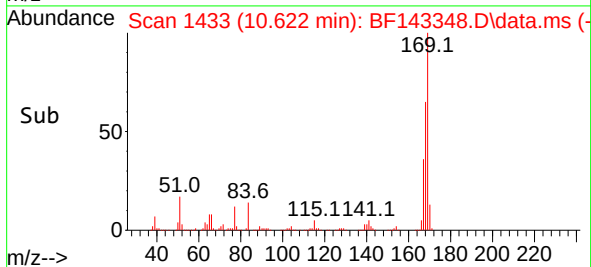
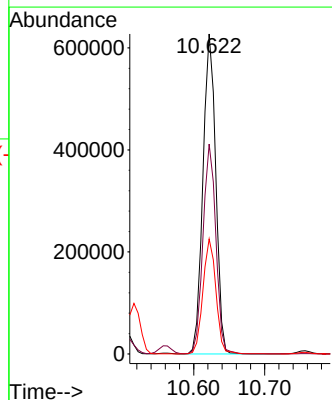
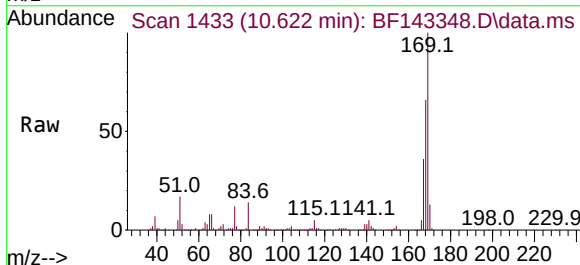
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

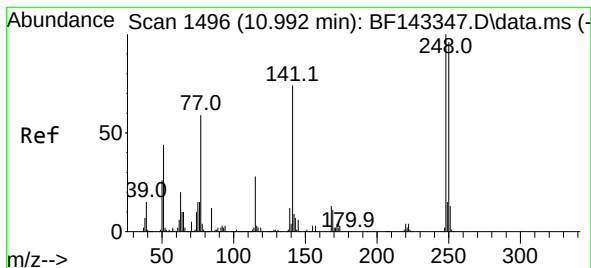
Tgt Ion:198 Resp: 95307
Ion Ratio Lower Upper
198 100
51 56.0 41.7 81.7
105 44.5 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 48.549 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:169 Resp: 787342
Ion Ratio Lower Upper
169 100
168 65.6 52.7 79.1
167 36.0 28.6 42.8

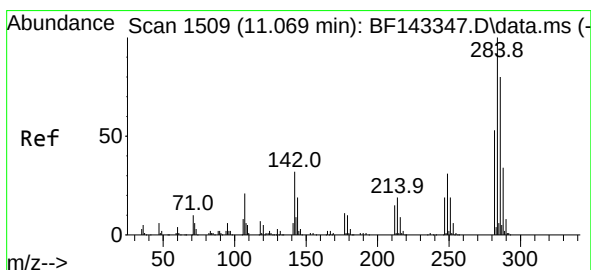
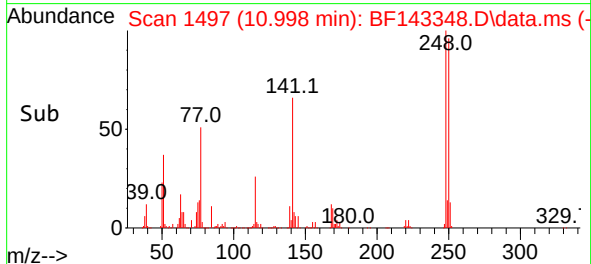
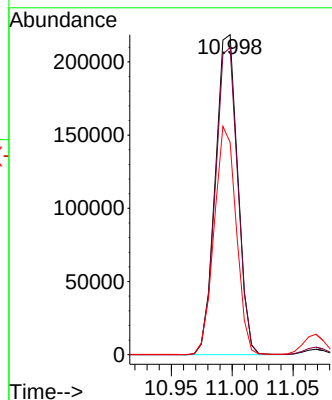
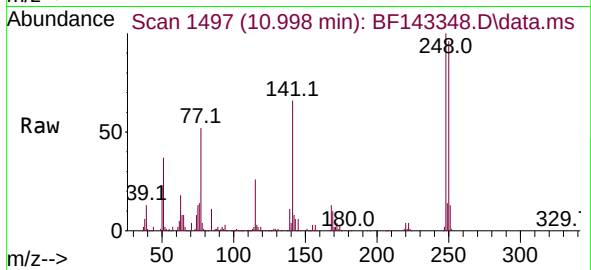




#67
4-Bromophenyl-phenylether
Concen: 49.660 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

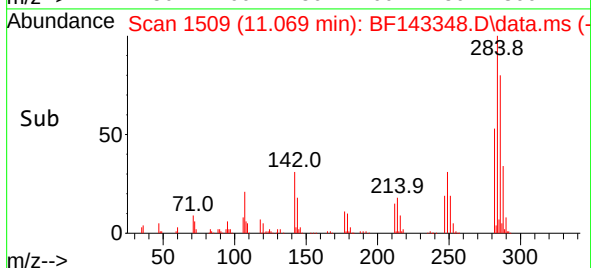
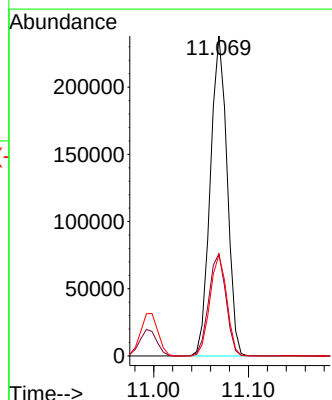
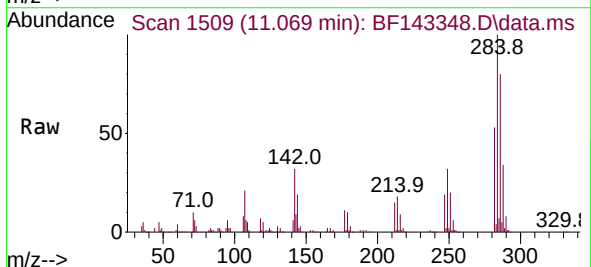
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

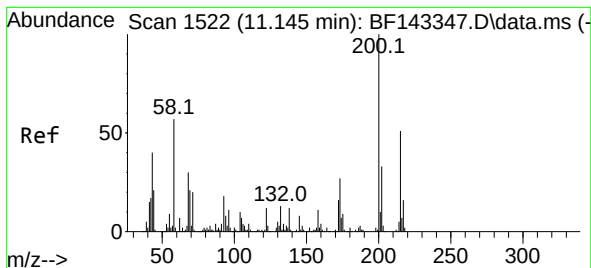
Tgt Ion:248 Resp: 279724
Ion Ratio Lower Upper
248 100
250 96.0 77.1 115.7
141 66.3 59.1 88.7



#68
Hexachlorobenzene
Concen: 48.079 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:284 Resp: 291915
Ion Ratio Lower Upper
284 100
142 32.0 25.7 38.5
249 31.6 24.6 37.0





#69

Atrazine

Concen: 52.254 ng

RT: 11.145 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

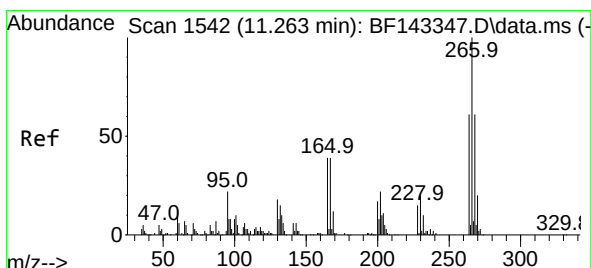
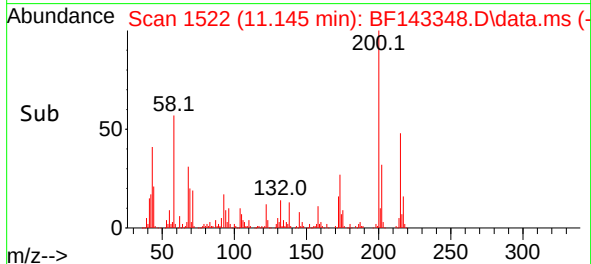
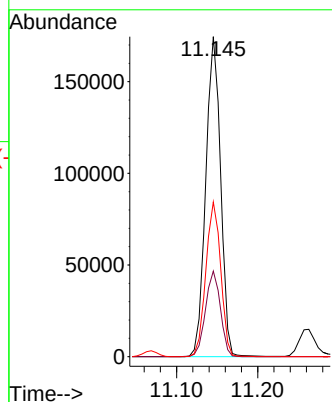
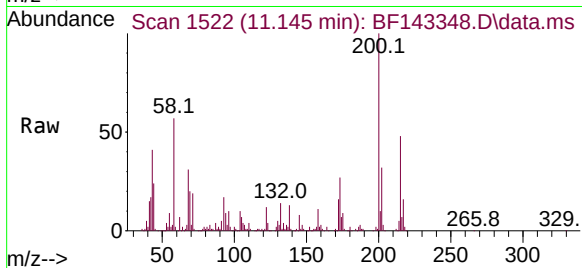
Tgt Ion:200 Resp: 221025

Ion Ratio Lower Upper

200 100

173 26.7 6.6 46.6

215 48.4 30.6 70.6



#70

Pentachlorophenol

Concen: 49.342 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

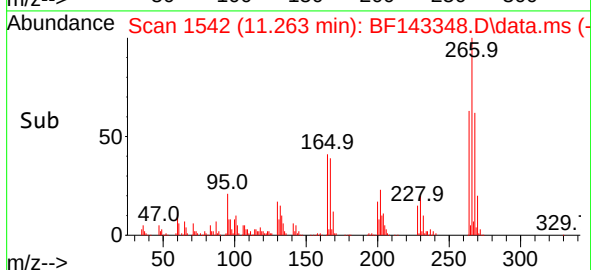
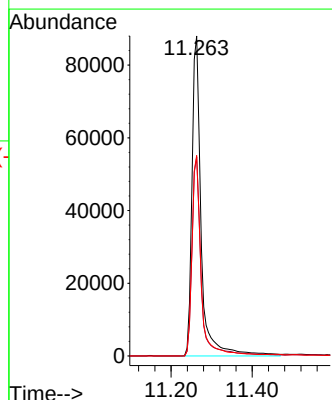
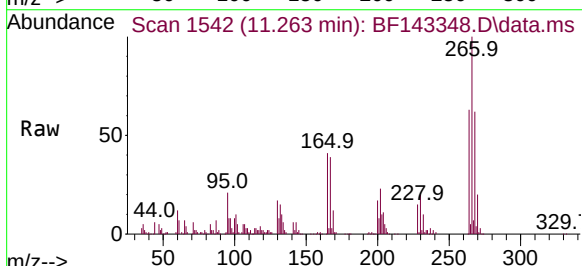
Tgt Ion:266 Resp: 139359

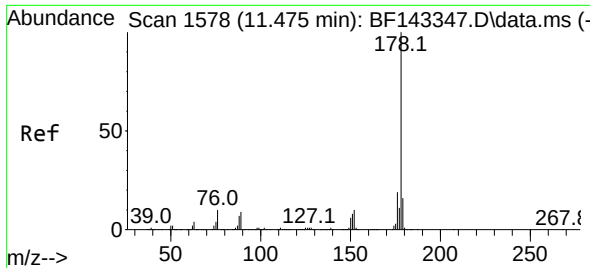
Ion Ratio Lower Upper

266 100

268 62.2 48.8 73.2

264 62.6 48.8 73.2

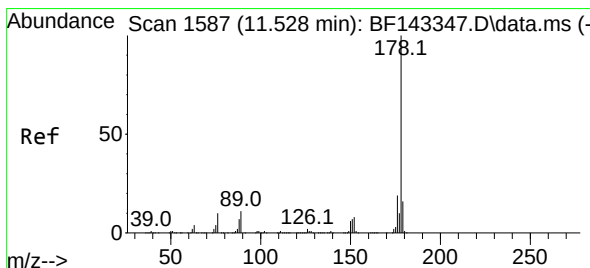
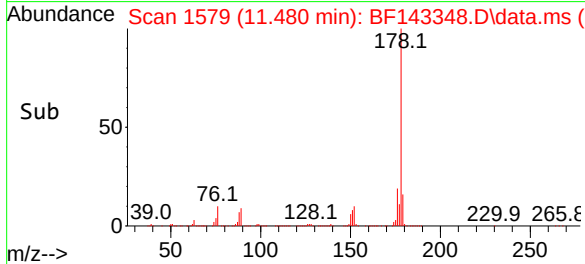
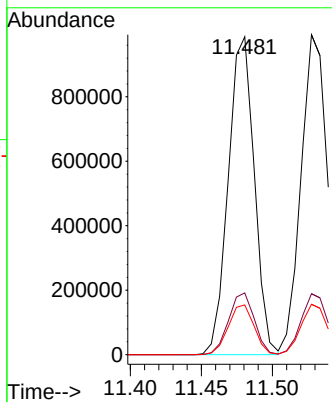
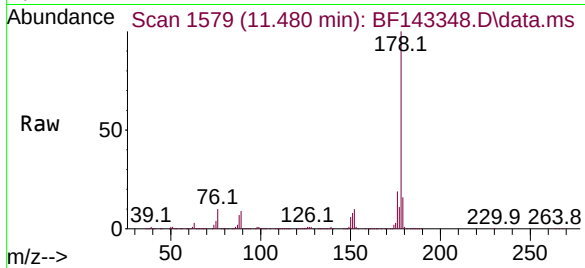




#71
Phenanthrene
Concen: 46.830 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

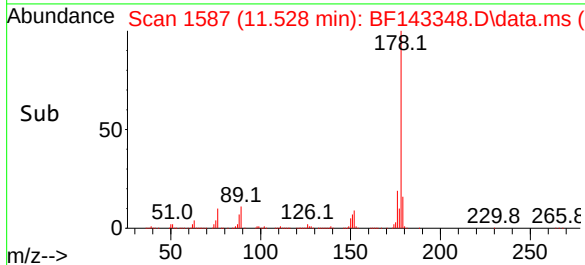
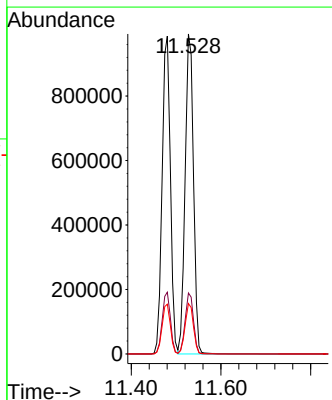
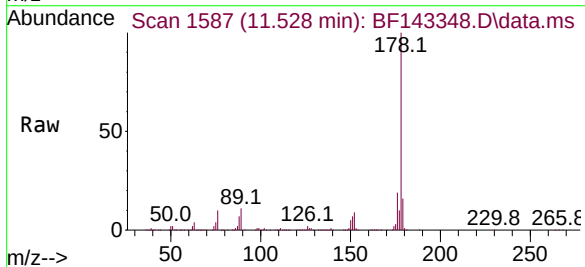
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

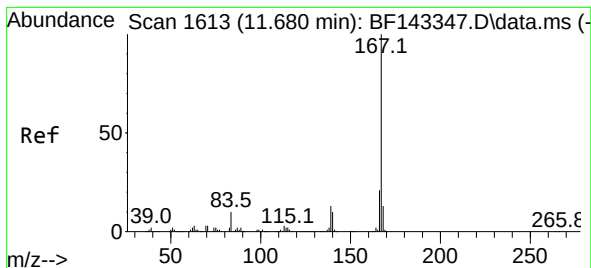
Tgt Ion:178 Resp: 1258386
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.7 12.5 18.7



#72
Anthracene
Concen: 47.123 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:178 Resp: 1284165
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.8 12.7 19.1





#73

Carbazole

Concen: 46.654 ng

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

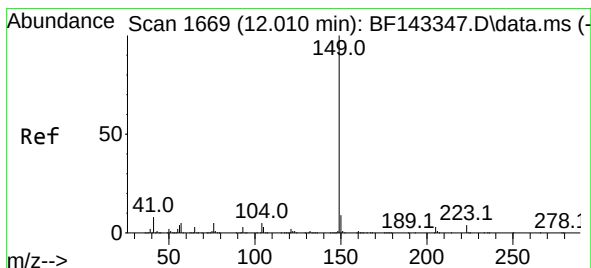
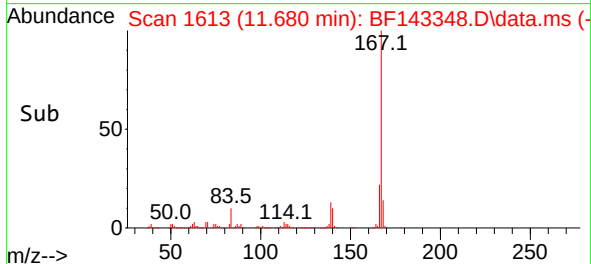
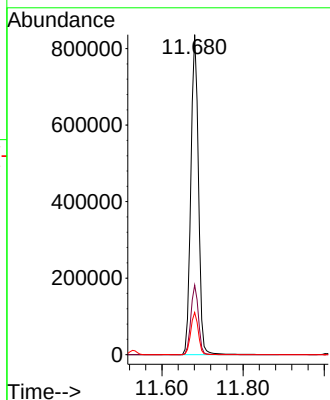
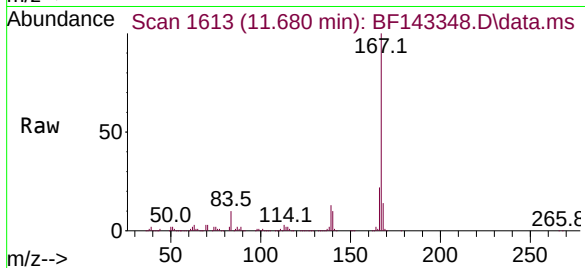
Tgt Ion:167 Resp: 1082772

Ion Ratio Lower Upper

167 100

166 21.8 16.8 25.2

139 13.2 10.2 15.2



#74

Di-n-butylphthalate

Concen: 51.345 ng

RT: 12.010 min Scan# 1669

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

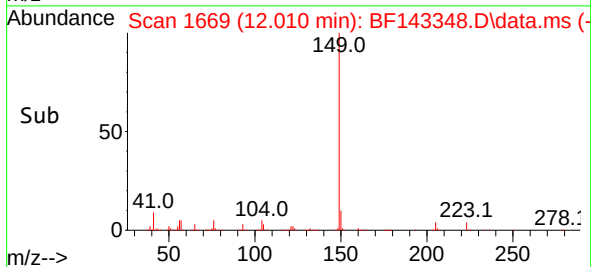
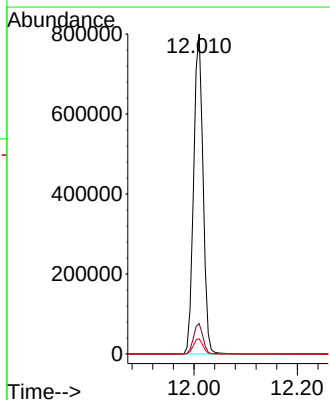
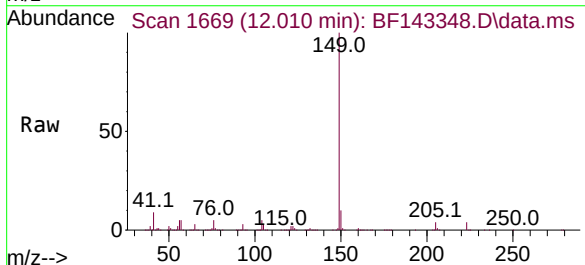
Tgt Ion:149 Resp: 1008389

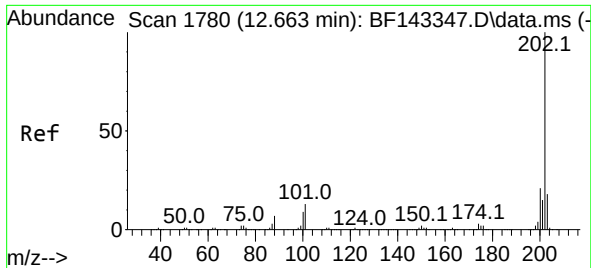
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 4.8 3.8 5.8

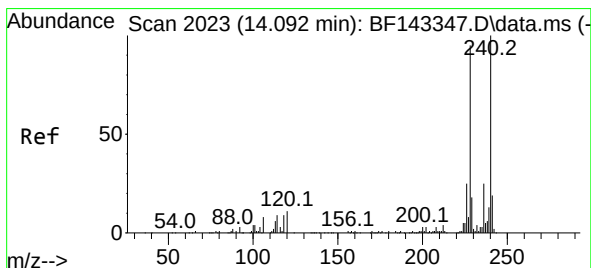
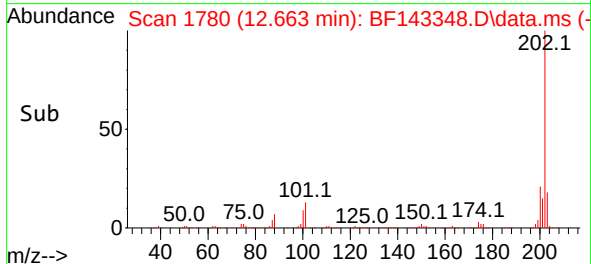
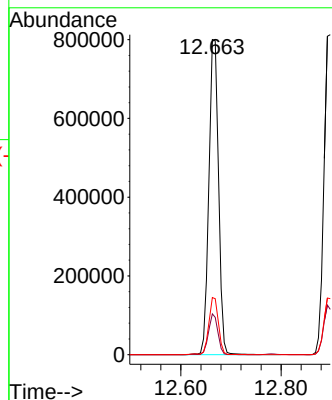
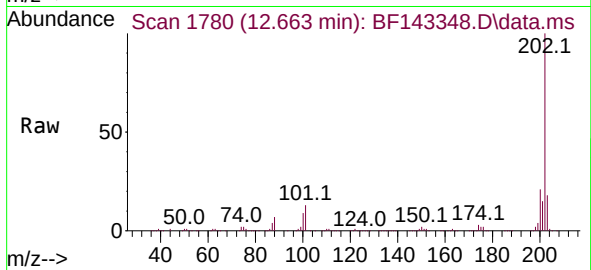




#75
Fluoranthene
Concen: 45.641 ng
RT: 12.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

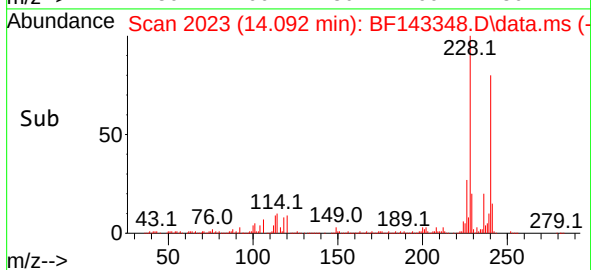
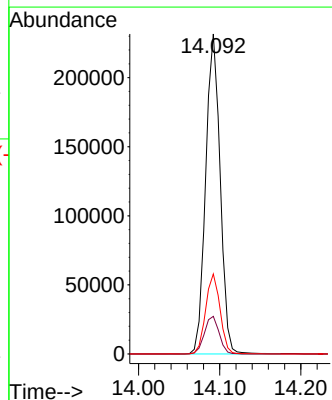
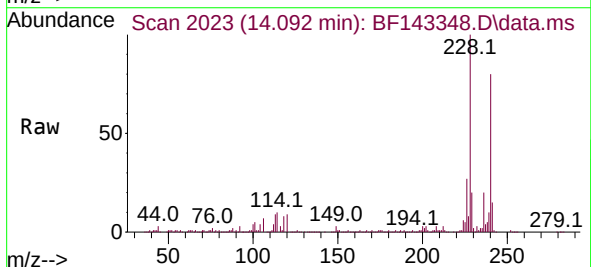
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

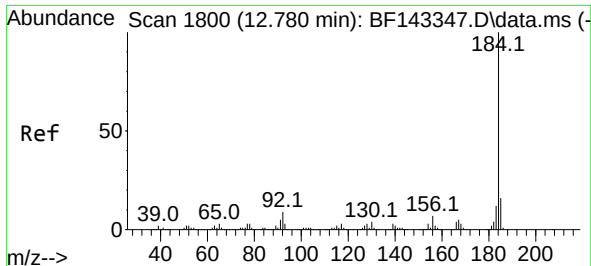
Tgt Ion:202 Resp: 1074315
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 18.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:240 Resp: 286106
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.6
236 25.0 19.9 29.9

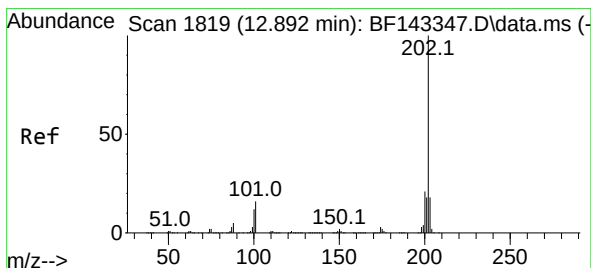
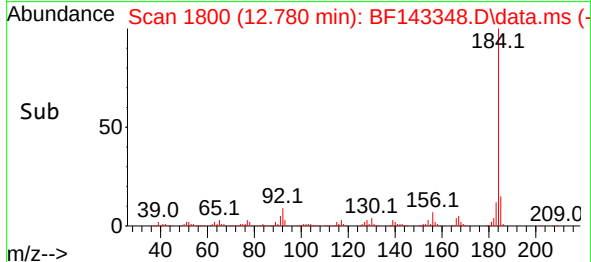
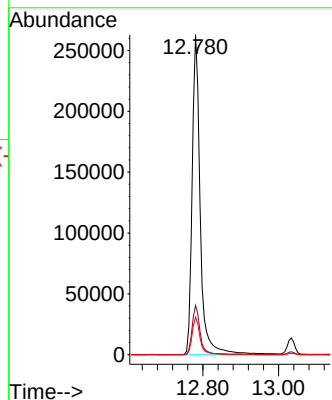
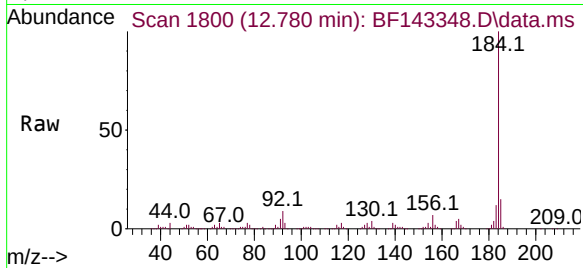




#77
Benzidine
Concen: 50.186 ng
RT: 12.780 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

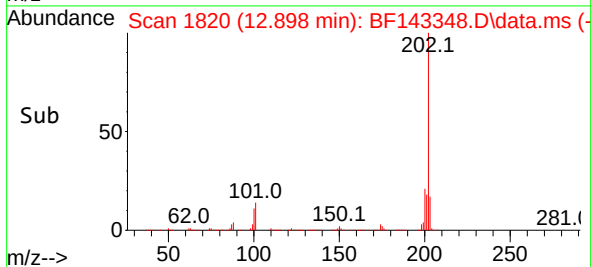
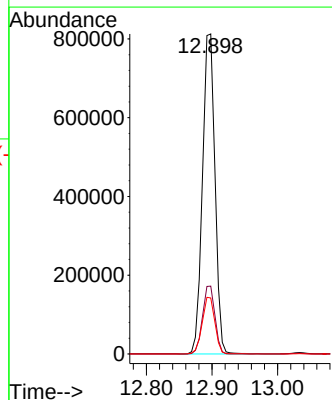
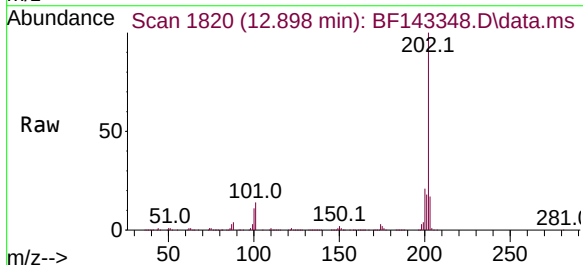
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

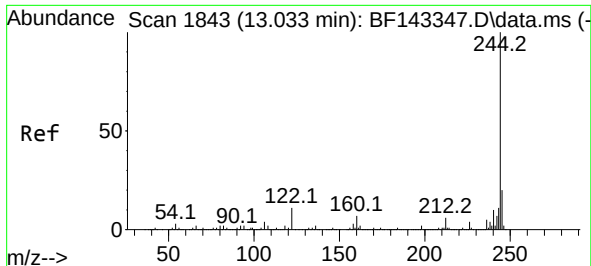
Tgt Ion:184 Resp: 392548
Ion Ratio Lower Upper
184 100
185 15.4 12.8 19.2
183 11.7 9.3 13.9



#78
Pyrene
Concen: 45.078 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:202 Resp: 1081940
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.5 14.2 21.4

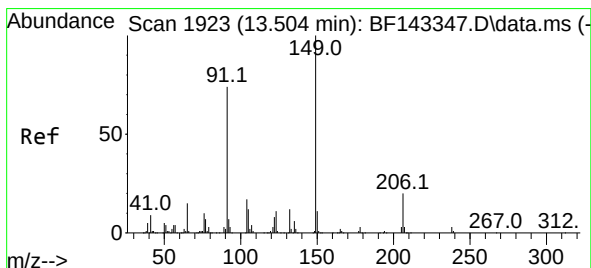
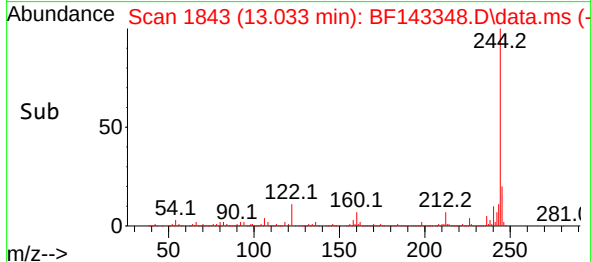
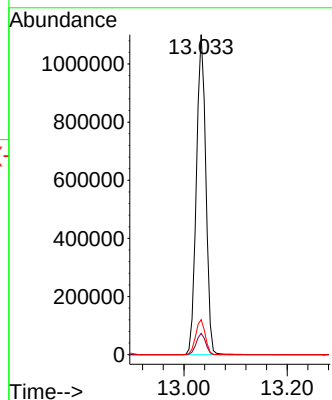
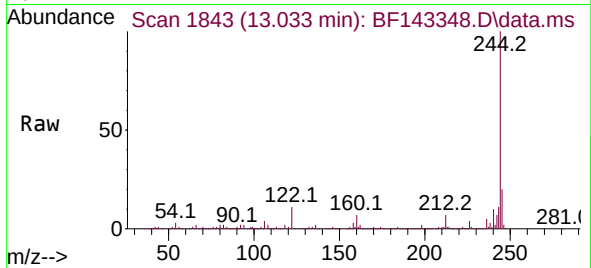




#79
 Terphenyl-d14
 Concen: 87.090 ng
 RT: 13.033 min Scan# 1843
 Delta R.T. 0.000 min
 Lab File: BF143348.D
 Acq: 12 Aug 2025 11:37

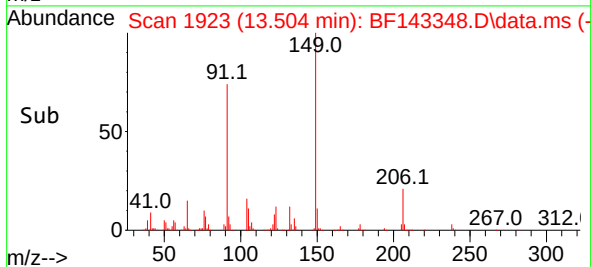
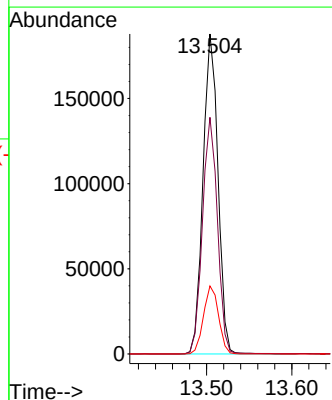
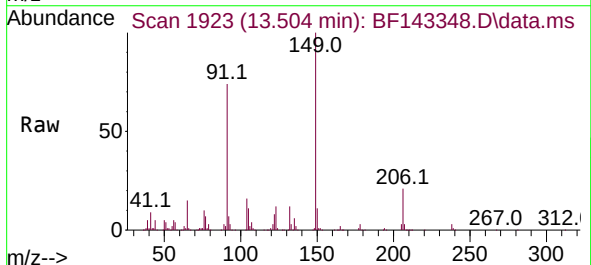
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

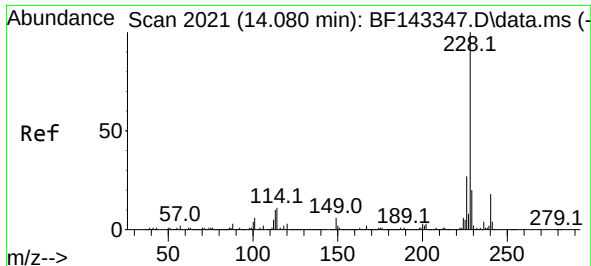
Tgt Ion:244 Resp: 1395642
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 10.9 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 48.268 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BF143348.D
 Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 229034
 Ion Ratio Lower Upper
 149 100
 91 73.9 58.8 88.2
 206 21.3 16.4 24.6

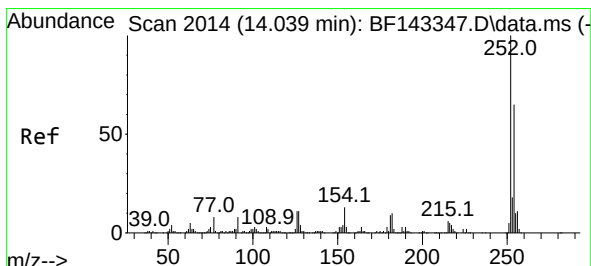
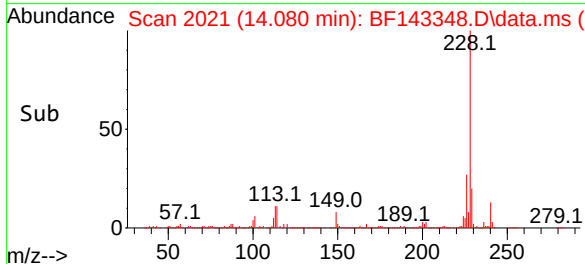
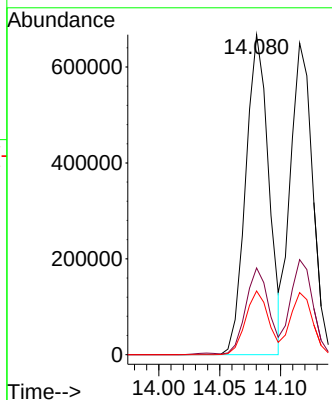
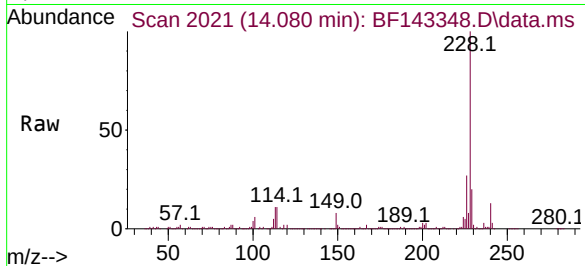




#81
Benzo(a)anthracene
Concen: 48.327 ng
RT: 14.080 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

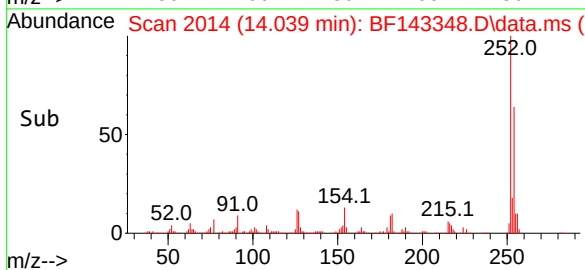
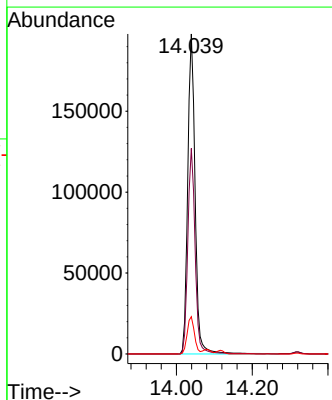
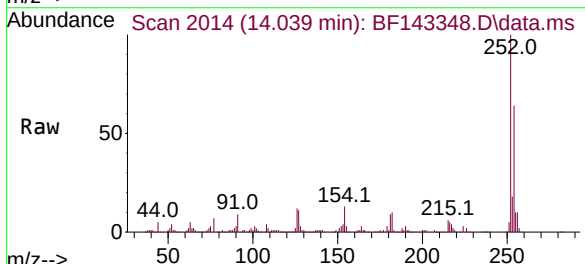
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

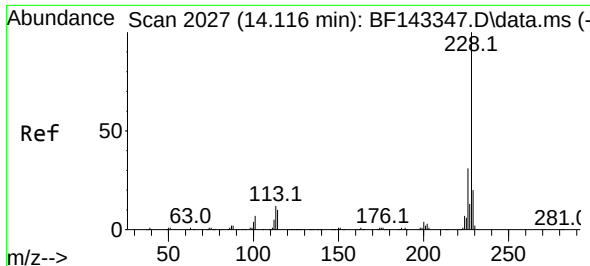
Tgt Ion:228 Resp: 878814
Ion Ratio Lower Upper
228 100
226 27.1 22.0 33.0
229 19.9 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 54.417 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:252 Resp: 267204
Ion Ratio Lower Upper
252 100
254 64.2 51.7 77.5
126 11.7 9.2 13.8

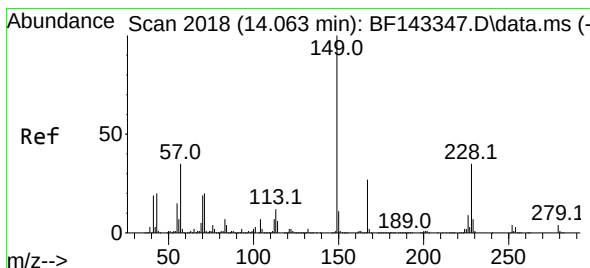
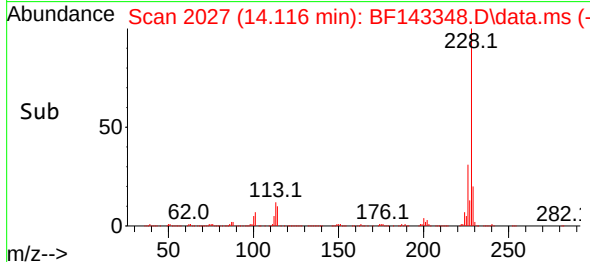
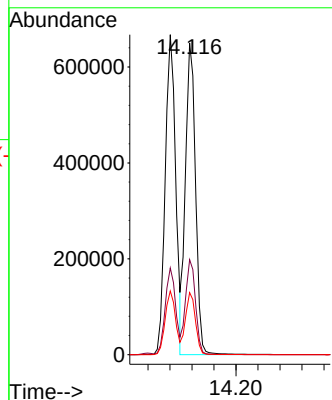
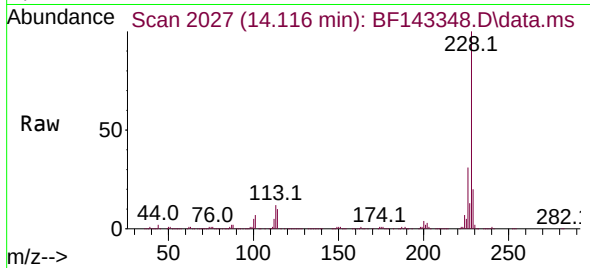




#83
Chrysene
Concen: 49.049 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

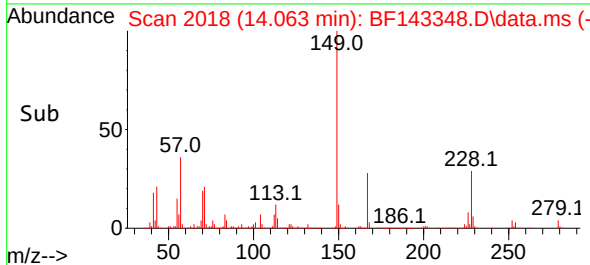
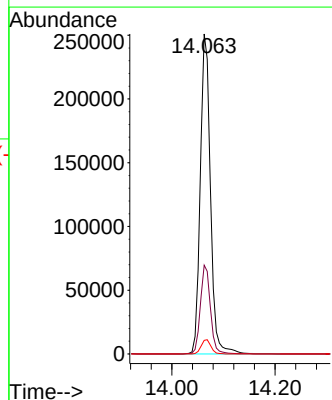
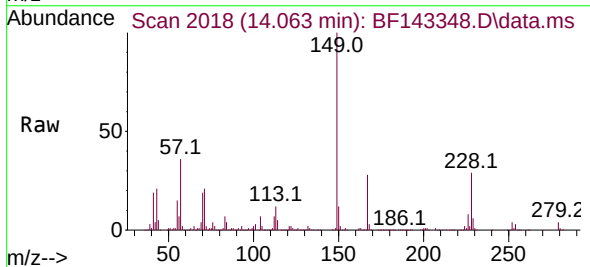
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

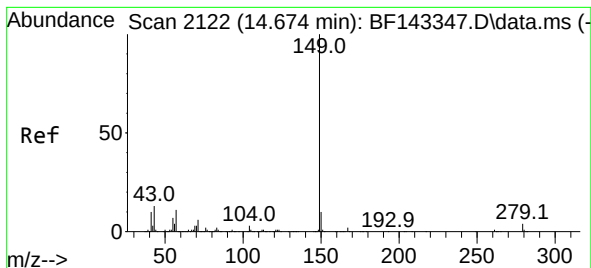
Tgt Ion:228 Resp: 831682
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 19.9 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 48.921 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 341876
Ion Ratio Lower Upper
149 100
167 27.7 21.4 32.0
279 4.3 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 48.572 ng

RT: 14.674 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

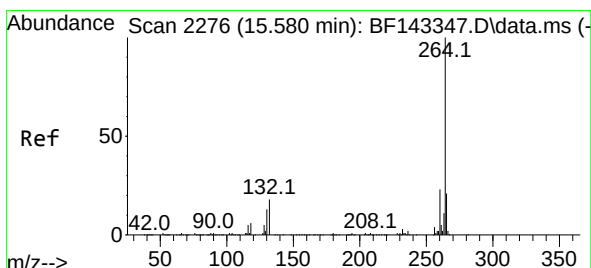
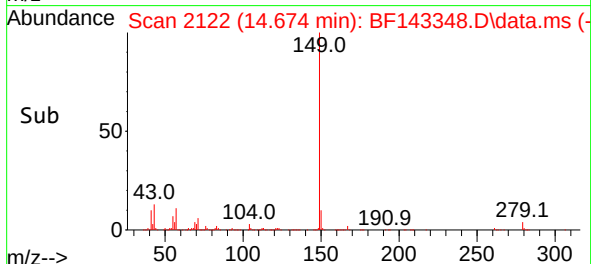
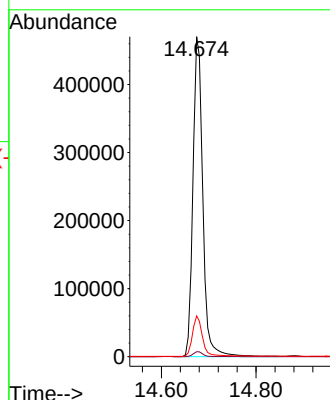
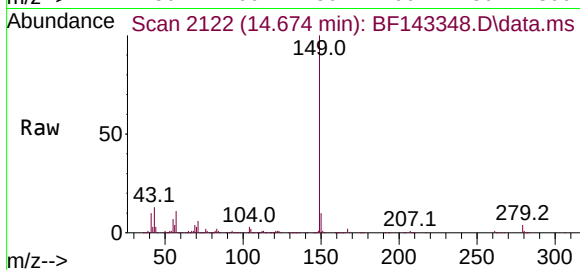
Tgt Ion:149 Resp: 675816

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 13.1 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

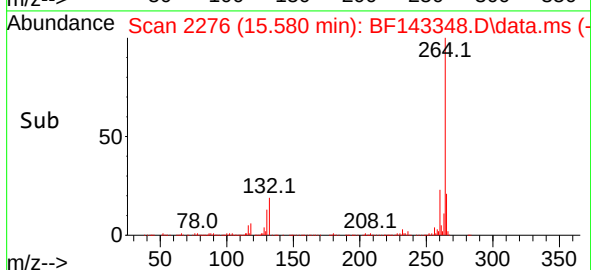
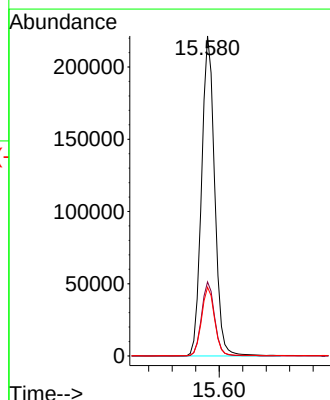
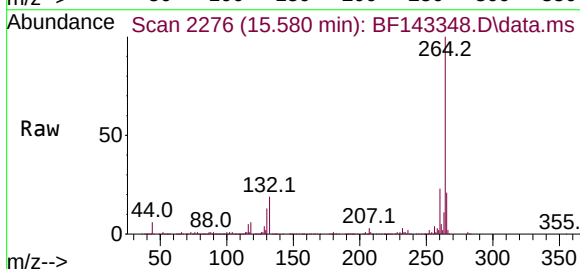
Tgt Ion:264 Resp: 342458

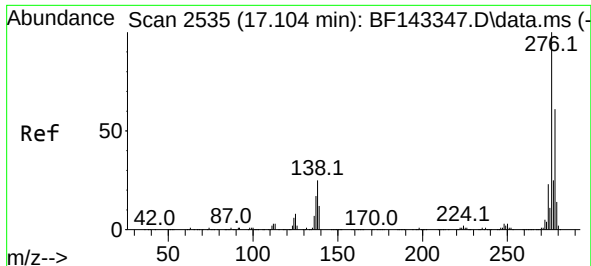
Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

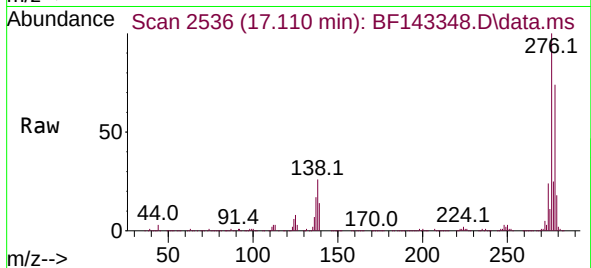
265 21.4 17.2 25.8



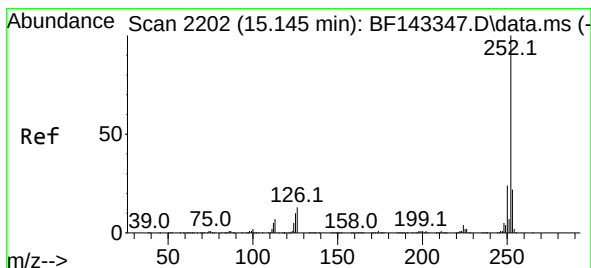
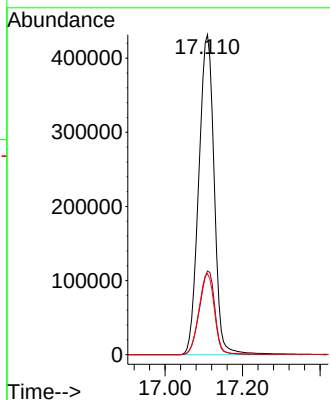
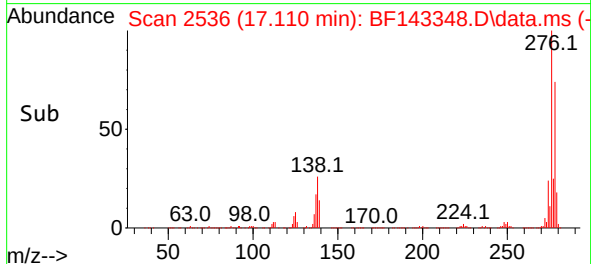


#87
Indeno(1,2,3-cd)pyrene
Concen: 48.566 ng
RT: 17.110 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

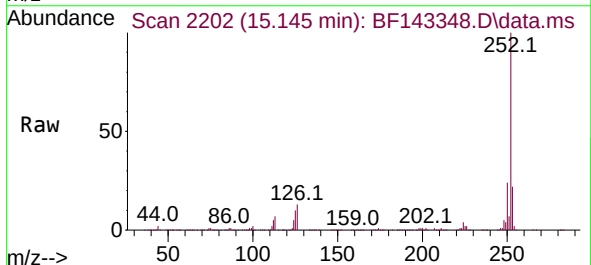
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



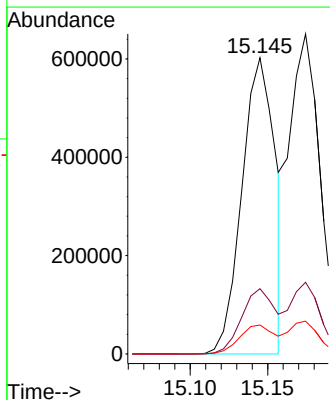
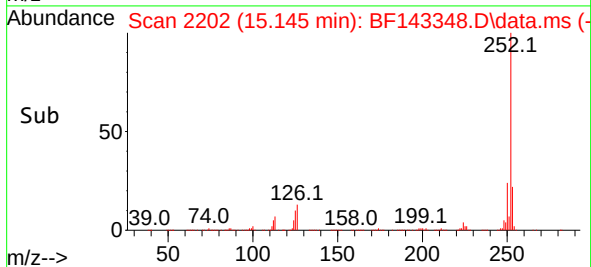
Tgt Ion:276 Resp: 1191556
Ion Ratio Lower Upper
276 100
138 26.3 21.1 31.7
277 25.4 20.2 30.2

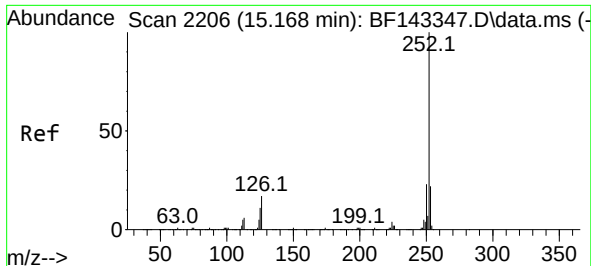


#88
Benzo(b)fluoranthene
Concen: 47.812 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37



Tgt Ion:252 Resp: 895570
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 9.8 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 49.555 ng

RT: 15.174 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

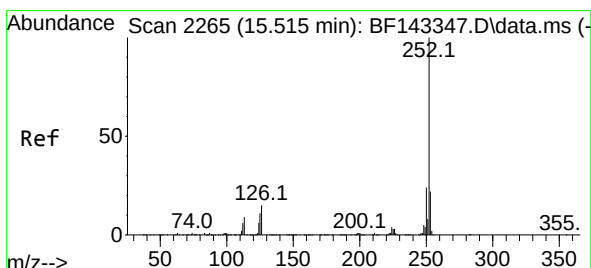
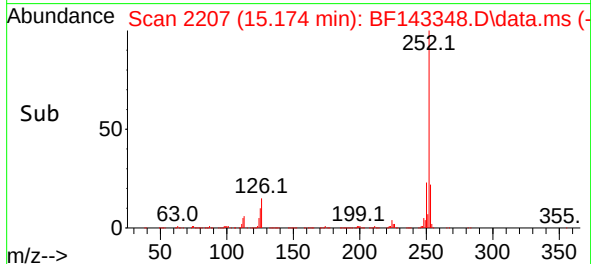
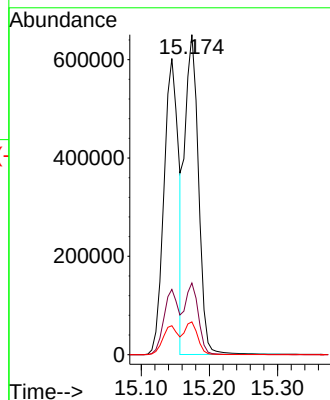
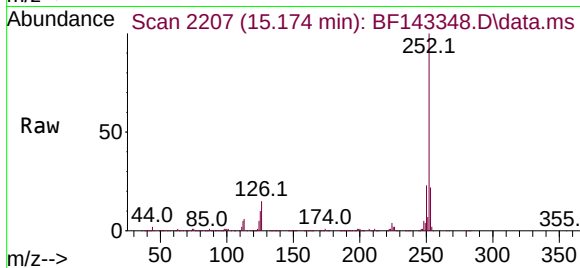
Tgt Ion:252 Resp: 901937

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 49.098 ng

RT: 15.521 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

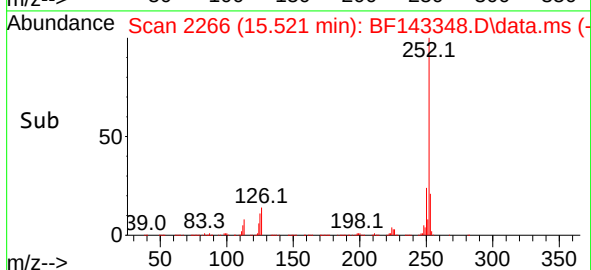
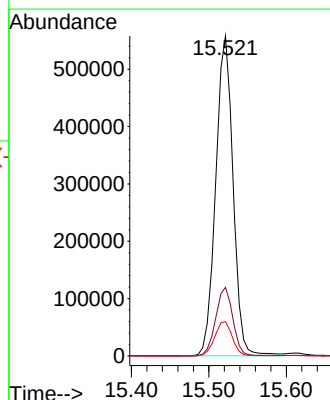
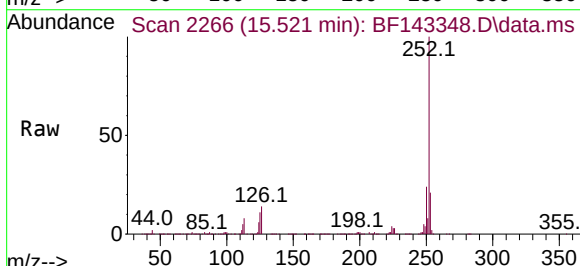
Tgt Ion:252 Resp: 866161

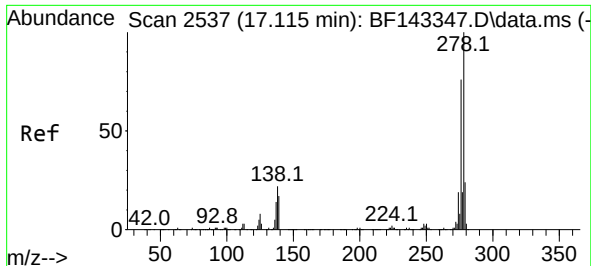
Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

125 10.7 9.1 13.7

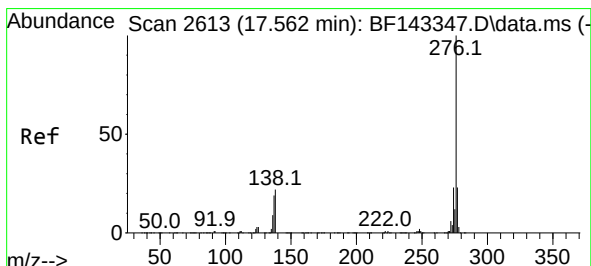
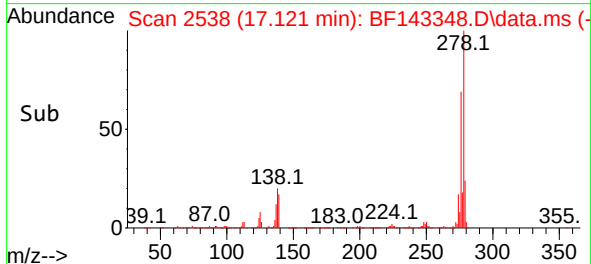
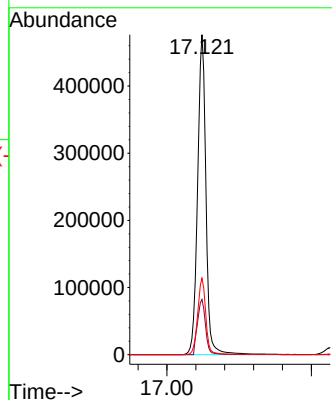
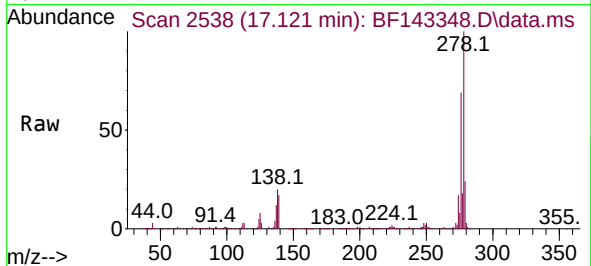




#91
Dibenzo(a,h)anthracene
Concen: 48.855 ng
RT: 17.121 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

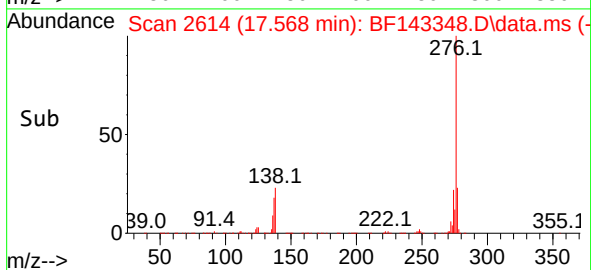
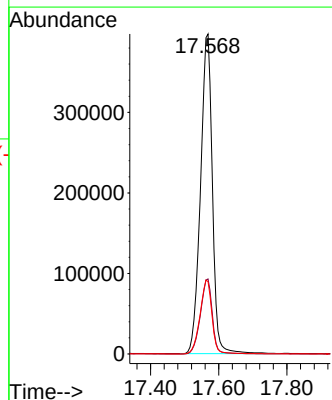
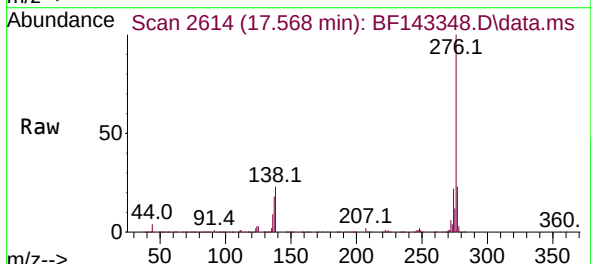
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 957602
Ion Ratio Lower Upper
278 100
139 17.3 14.0 21.0
279 23.9 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 48.732 ng
RT: 17.568 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:276 Resp: 962236
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 22.6 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143349.D
 Acq On : 12 Aug 2025 12:07
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 12 13:20:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	161554	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	611608	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	320321	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	460173	20.000	ng	0.00
76) Chrysene-d12	14.092	240	273246	20.000	ng	0.00
86) Perylene-d12	15.586	264	337675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1115976	119.453	ng	0.00
7) Phenol-d6	6.569	99	1429946	119.357	ng	0.00
23) Nitrobenzene-d5	7.492	82	1251642	127.441	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	314370	134.290	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	2021003	106.990	ng	0.00
79) Terphenyl-d14	13.033	244	1568868	102.507	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.763	88	296653	61.364	ng	Qvalue 100
3) Pyridine	3.534	79	808240	62.740	ng	99
4) n-Nitrosodimethylamine	3.481	42	375923	62.645	ng	99
6) Aniline	6.592	93	996754	59.015	ng	# 88
8) 2-Chlorophenol	6.722	128	616100	61.717	ng	98
9) Benzaldehyde	6.481	77	387880	48.985	ng	100
10) Phenol	6.581	94	840504	59.221	ng	91
11) bis(2-Chloroethyl)ether	6.663	93	619725	59.247	ng	99
12) 1,3-Dichlorobenzene	6.875	146	671800	58.344	ng	99
13) 1,4-Dichlorobenzene	6.951	146	661936	57.278	ng	100
14) 1,2-Dichlorobenzene	7.104	146	634447	57.835	ng	100
15) Benzyl Alcohol	7.075	79	531507	61.891	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	1077772	57.714	ng	93
17) 2-Methylphenol	7.186	107	513134	60.895	ng	98
18) Hexachloroethane	7.445	117	225784	62.318	ng	100
19) n-Nitroso-di-n-propyla...	7.345	70	423943	57.269	ng	99
20) 3+4-Methylphenols	7.339	107	594674	58.354	ng	99
22) Acetophenone	7.339	105	765201	56.784	ng	98
24) Nitrobenzene	7.516	77	672780	63.075	ng	99
25) Isophorone	7.751	82	1195220	59.613	ng	99
26) 2-Nitrophenol	7.828	139	276412	63.401	ng	100
27) 2,4-Dimethylphenol	7.863	122	522594	62.476	ng	100
28) bis(2-Chloroethoxy)met...	7.957	93	726373	59.338	ng	99
29) 2,4-Dichlorophenol	8.075	162	512513	62.732	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	510824	59.275	ng	99
31) Naphthalene	8.239	128	1682766	57.179	ng	100
32) Benzoic acid	7.986	122	248714	62.282	ng	99
33) 4-Chloroaniline	8.281	127	632256	59.564	ng	99
34) Hexachlorobutadiene	8.357	225	314445	58.655	ng	99
35) Caprolactam	8.657	113	148587	64.696	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	525032	61.301	ng	99
37) 2-Methylnaphthalene	8.928	142	1088275	56.249	ng	98
38) 1-Methylnaphthalene	9.028	142	1052909	56.505	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	516108	58.880	ng	99
41) Hexachlorocyclopentadiene	9.080	237	184941	61.485	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	330076	66.369	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143349.D
 Acq On : 12 Aug 2025 12:07
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 12 13:20:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

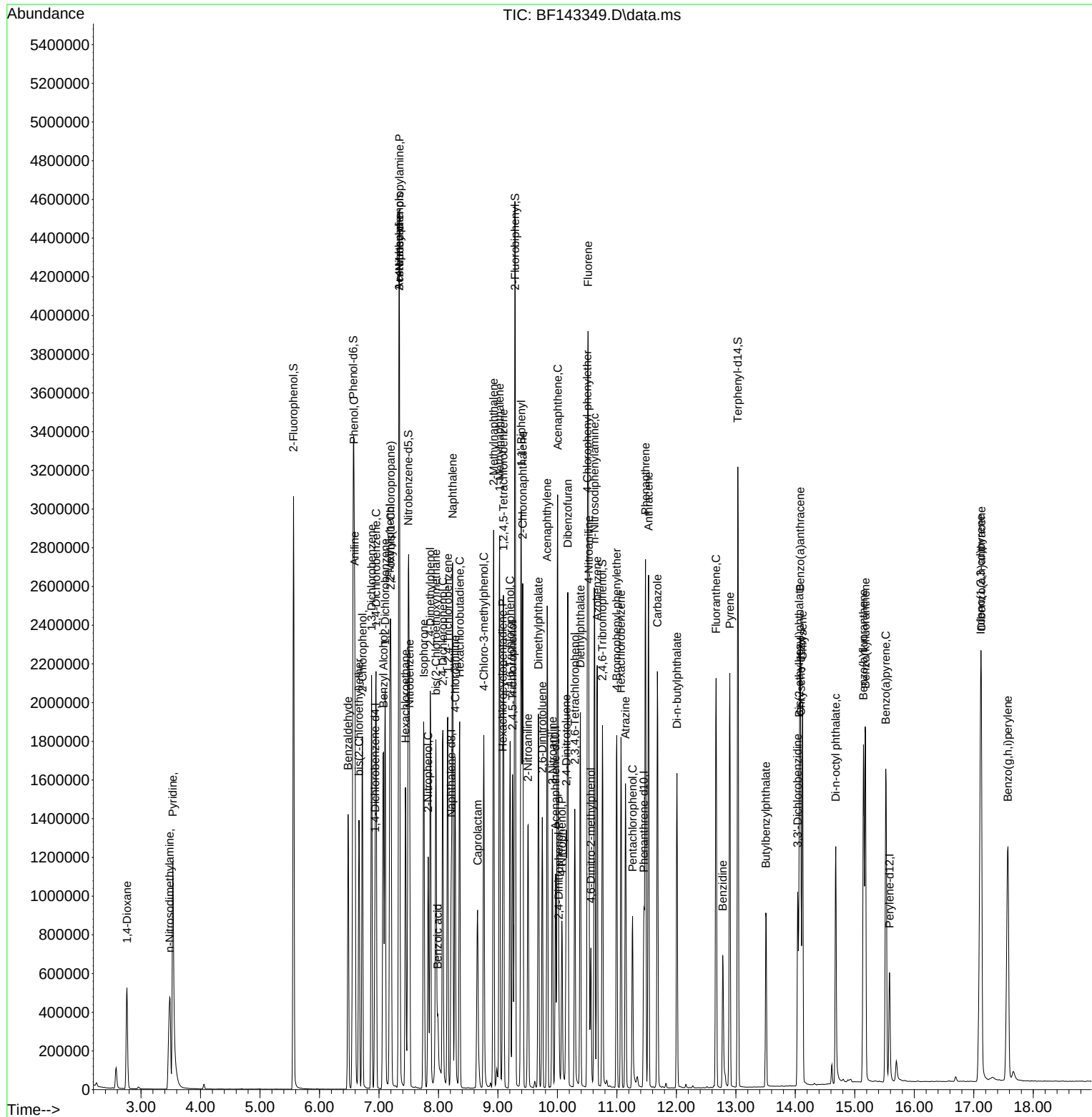
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	355498	63.299	ng	98
46) 1,1'-Biphenyl	9.392	154	1282862	56.642	ng	99
47) 2-Chloronaphthalene	9.416	162	1038548	58.223	ng	99
48) 2-Nitroaniline	9.504	65	322909	61.917	ng	98
49) Acenaphthylene	9.828	152	1481001	57.494	ng	99
50) Dimethylphthalate	9.680	163	1125050	60.109	ng	99
51) 2,6-Dinitrotoluene	9.745	165	224724	62.496	ng	99
52) Acenaphthene	10.004	154	977067	57.055	ng	99
53) 3-Nitroaniline	9.916	138	270085	70.462	ng	99
54) 2,4-Dinitrophenol	10.022	184	82451	62.319	ng #	77
55) Dibenzofuran	10.175	168	1389556	56.379	ng	99
56) 4-Nitrophenol	10.075	139	186307	62.130	ng	99
57) 2,4-Dinitrotoluene	10.151	165	295520	61.944	ng	95
58) Fluorene	10.516	166	1046138	55.570	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	265201	70.050	ng	99
60) Diethylphthalate	10.386	149	990716	59.094	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	515436	56.664	ng	99
62) 4-Nitroaniline	10.527	138	242938	65.508	ng	98
63) Azobenzene	10.669	77	1104323	57.669	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	119734	61.844	ng	98
66) n-Nitrosodiphenylamine	10.622	169	898967	59.328	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	318696	60.555	ng	98
68) Hexachlorobenzene	11.069	284	341976	60.282	ng	100
69) Atrazine	11.145	200	250602	63.410	ng	98
70) Pentachlorophenol	11.263	266	165675	61.169	ng	98
71) Phenanthrene	11.480	178	1426848	56.831	ng	99
72) Anthracene	11.533	178	1459751	57.330	ng	100
73) Carbazole	11.680	167	1232939	56.857	ng	99
74) Di-n-butylphthalate	12.010	149	1127365	61.437	ng	100
75) Fluoranthene	12.669	202	1181812	53.737	ng	99
77) Benzidine	12.780	184	419198	56.115	ng	99
78) Pyrene	12.898	202	1196849	52.212	ng	100
80) Butylbenzylphthalate	13.504	149	283998	61.669	ng	98
81) Benzo(a)anthracene	14.080	228	1072649	61.763	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	313084	66.762	ng	99
83) Chrysene	14.121	228	937047	57.863	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	426553	62.688	ng	98
85) Di-n-octyl phthalate	14.680	149	856960	62.516	ng	99
87) Indeno(1,2,3-cd)pyrene	17.115	276	1462168	60.440	ng	100
88) Benzo(b)fluoranthene	15.145	252	1161807	62.905	ng	99
89) Benzo(k)fluoranthene	15.180	252	1035022	57.673	ng	99
90) Benzo(a)pyrene	15.521	252	1052580	60.510	ng	100
91) Dibenzo(a,h)anthracene	17.127	278	1170363	60.556	ng	99
92) Benzo(g,h,i)perylene	17.574	276	1182985	60.761	ng	99

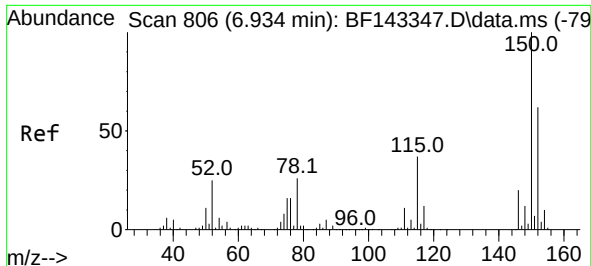
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143349.D
Acq On : 12 Aug 2025 12:07
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 12 13:20:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

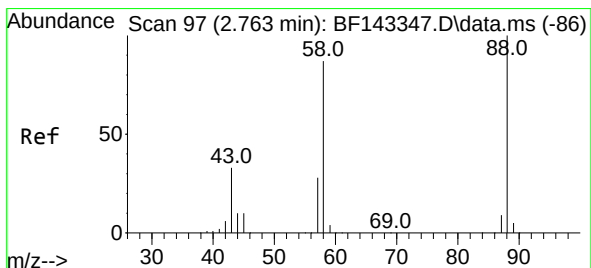
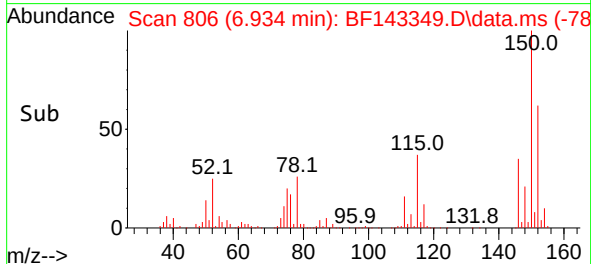
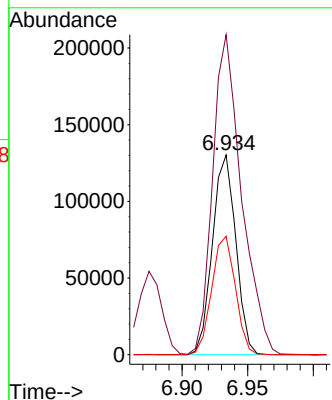
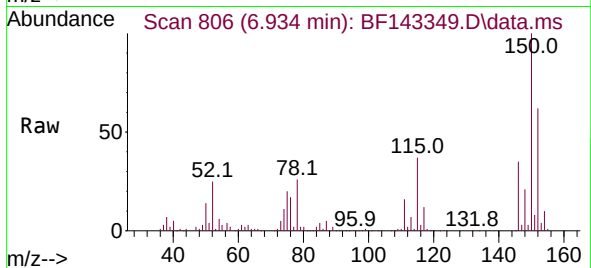




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

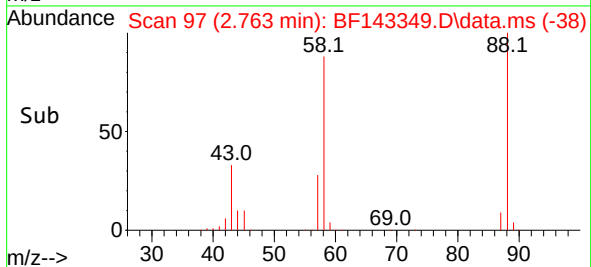
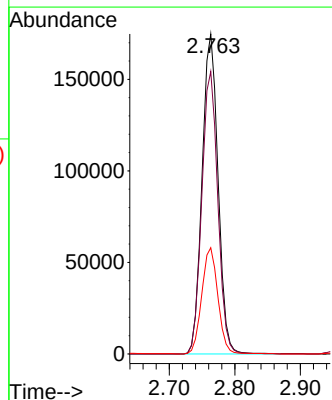
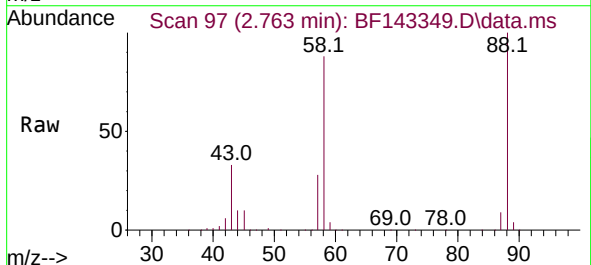
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

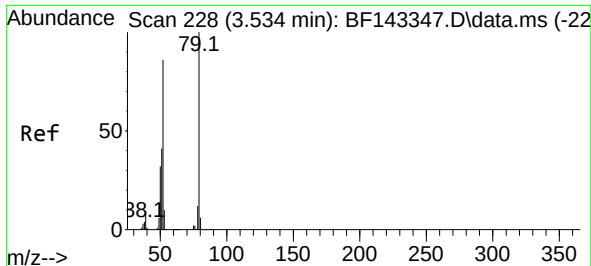
Tgt Ion:152 Resp: 161554
Ion Ratio Lower Upper
152 100
150 160.3 129.8 194.8
115 59.3 47.8 71.8



#2
1,4-Dioxane
Concen: 61.364 ng
RT: 2.763 min Scan# 97
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 88 Resp: 296653
Ion Ratio Lower Upper
88 100
58 88.5 71.0 106.6
43 33.6 27.0 40.6

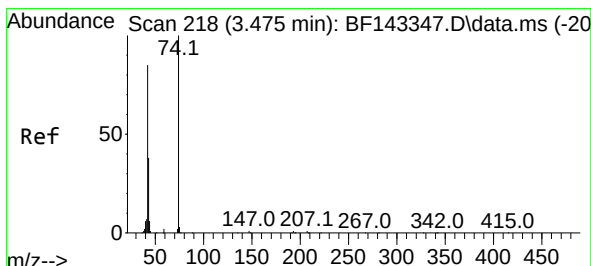
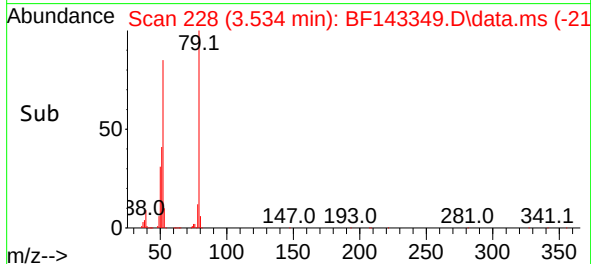
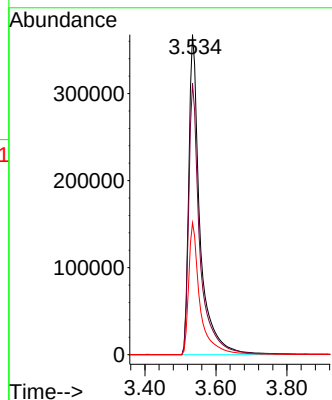
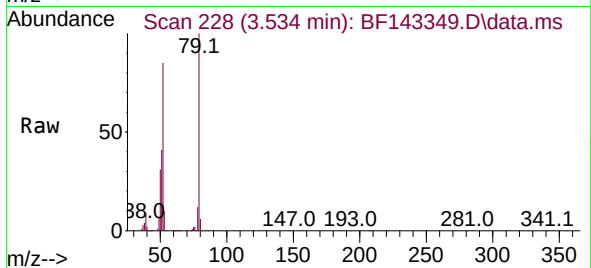




#3
Pyridine
Concen: 62.740 ng
RT: 3.534 min Scan# 219
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

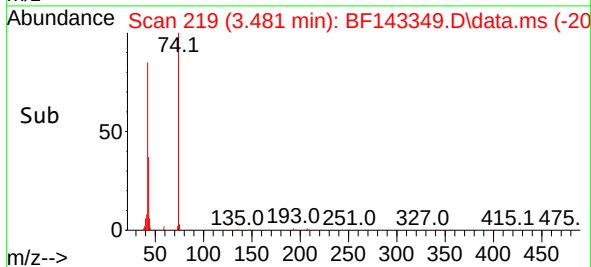
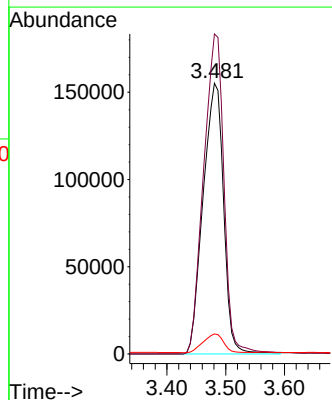
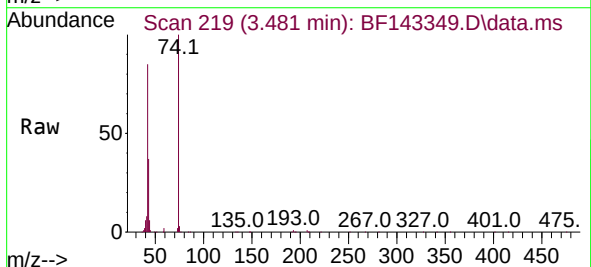
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

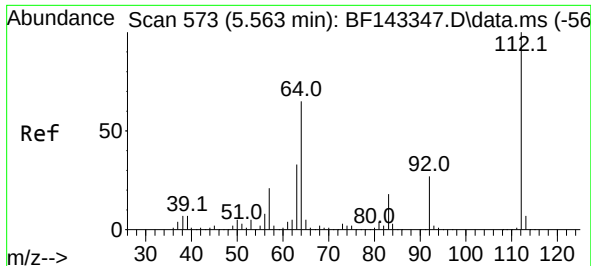
Tgt Ion: 79 Resp: 808240
Ion Ratio Lower Upper
79 100
52 84.8 68.7 103.1
51 41.2 33.4 50.0



#4
n-Nitrosodimethylamine
Concen: 62.645 ng
RT: 3.481 min Scan# 219
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 42 Resp: 375923
Ion Ratio Lower Upper
42 100
74 118.2 94.1 141.1
44 7.4 6.5 9.7

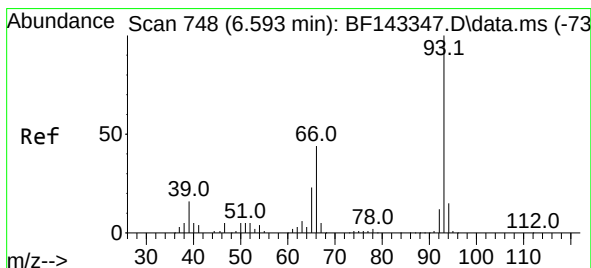
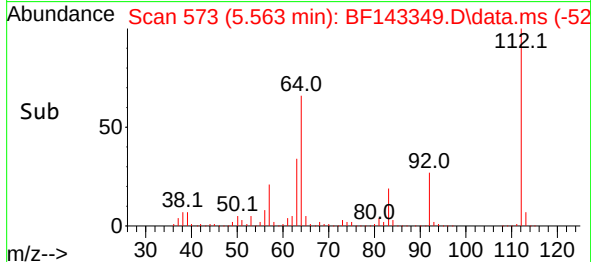
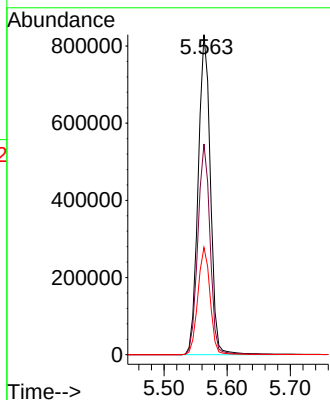
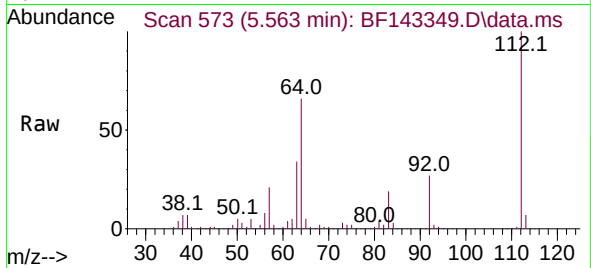




#5
2-Fluorophenol
Concen: 119.453 ng
RT: 5.563 min Scan# 511
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

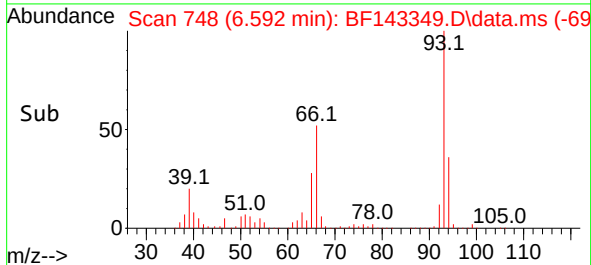
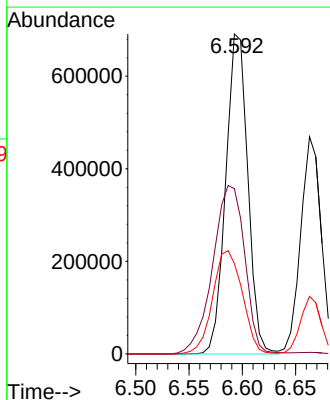
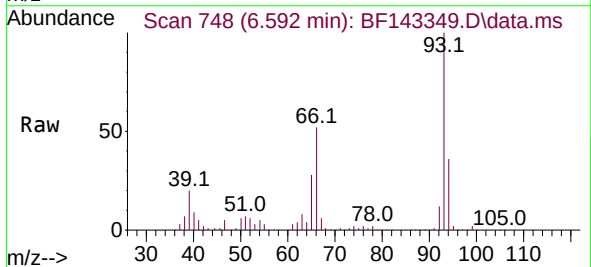
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

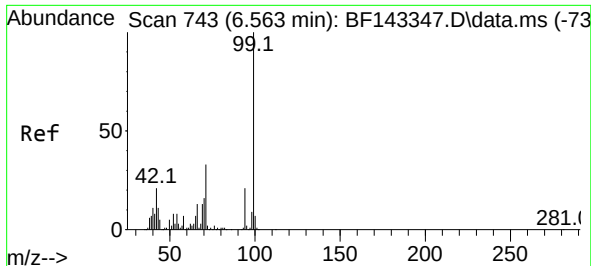
Tgt Ion:112 Resp: 1115976
Ion Ratio Lower Upper
112 100
64 65.9 52.1 78.1
63 33.5 26.6 39.8



#6
Aniline
Concen: 59.015 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 93 Resp: 996754
Ion Ratio Lower Upper
93 100
66 51.6 35.3 52.9
65 28.3 18.2 27.4#

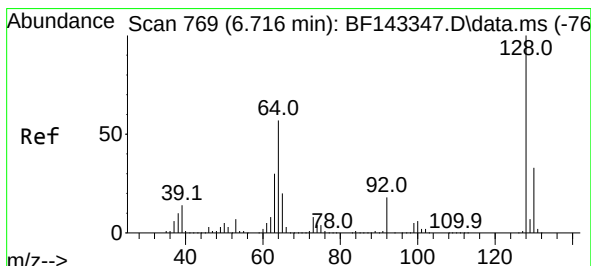
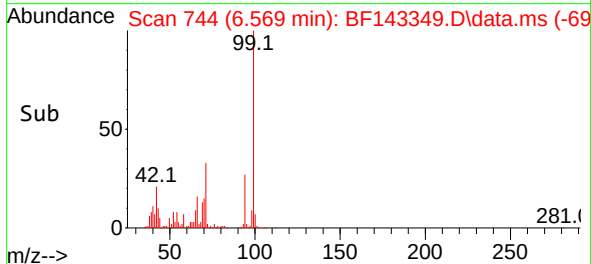
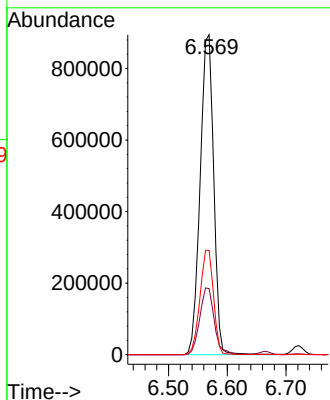
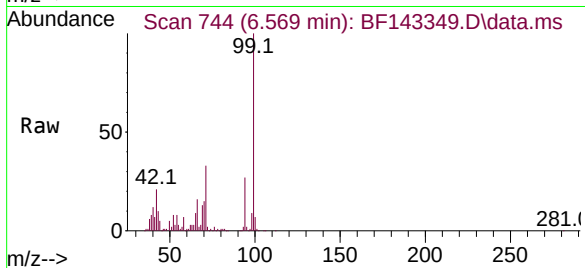




#7
Phenol-d6
Concen: 119.357 ng
RT: 6.569 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

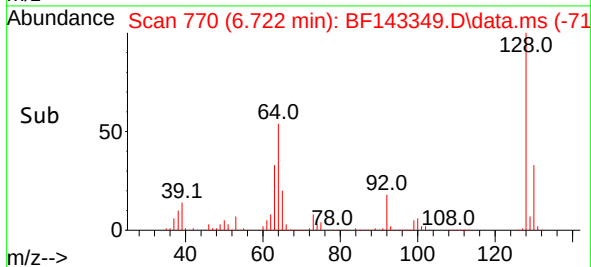
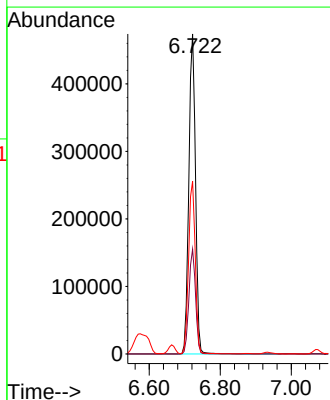
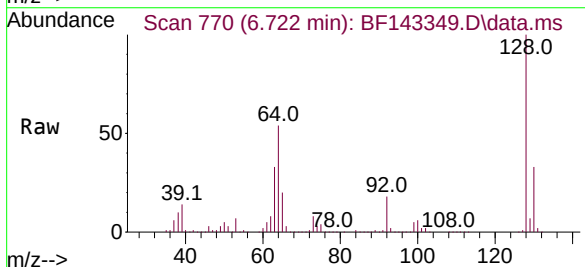
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

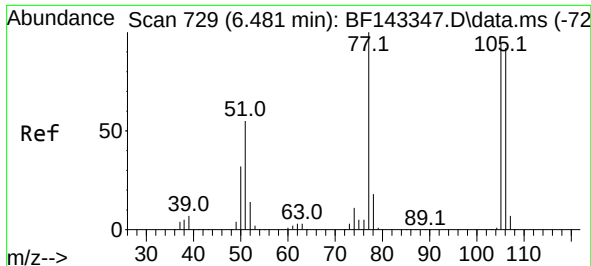
Tgt Ion: 99 Resp: 1429946
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 32.6 26.2 39.2



#8
2-Chlorophenol
Concen: 61.717 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:128 Resp: 616100
Ion Ratio Lower Upper
128 100
130 32.7 12.6 52.6
64 54.0 36.7 76.7

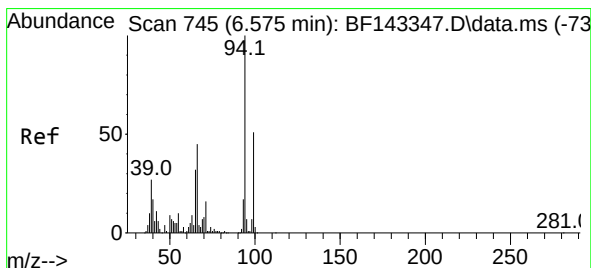
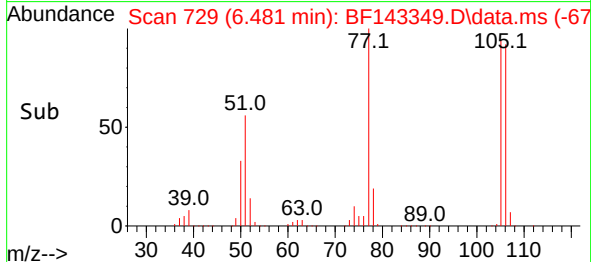
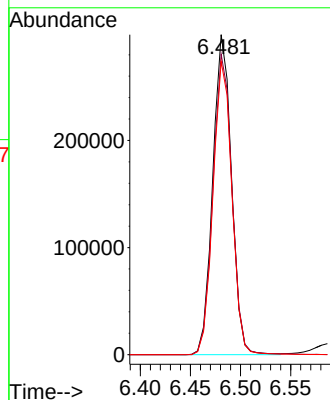
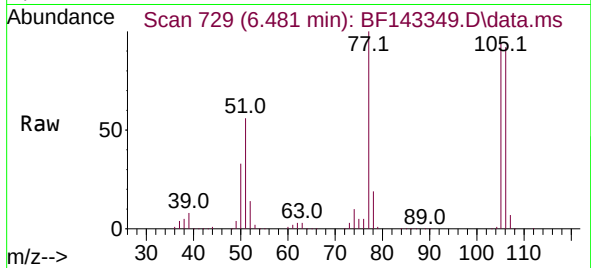




#9
Benzaldehyde
Concen: 48.985 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

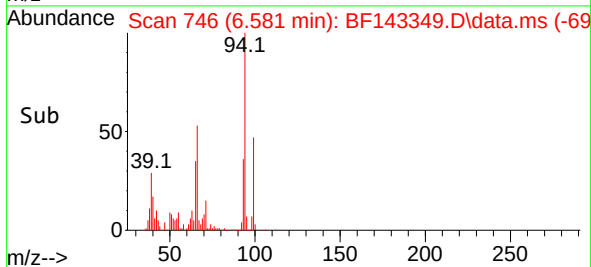
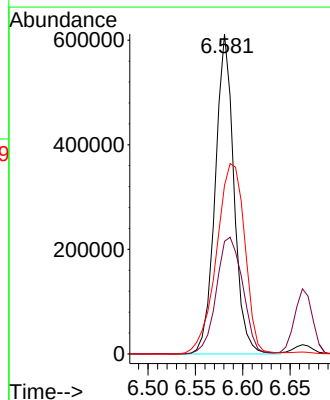
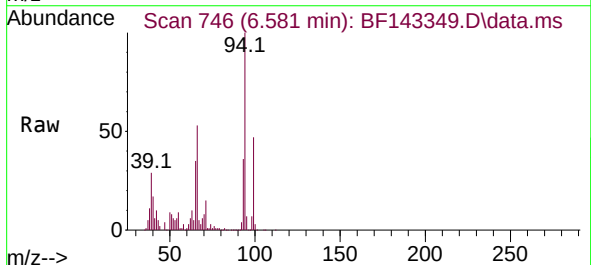
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

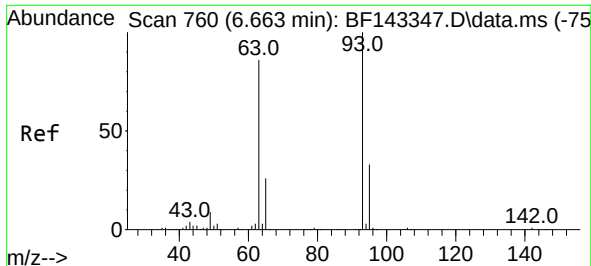
Tgt Ion: 77 Resp: 387880
Ion Ratio Lower Upper
77 100
105 93.9 74.2 114.2
106 91.6 72.2 112.2



#10
Phenol
Concen: 59.221 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 94 Resp: 840504
Ion Ratio Lower Upper
94 100
65 35.2 12.0 52.0
66 52.7 25.6 65.6





#11

bis(2-Chloroethyl)ether

Concen: 59.247 ng

RT: 6.663 min Scan# 760

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

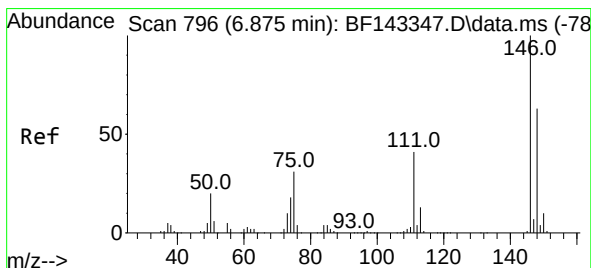
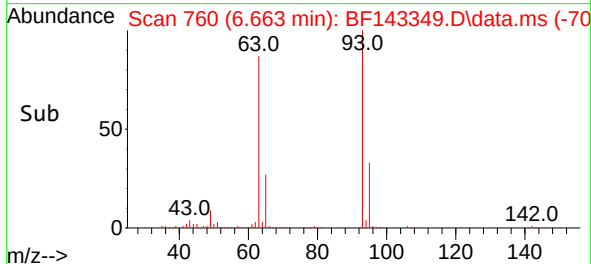
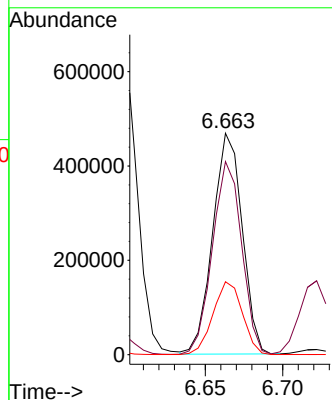
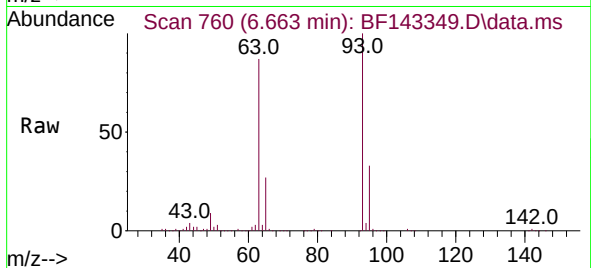
Tgt Ion: 93 Resp: 619725

Ion Ratio Lower Upper

93 100

63 87.2 65.7 105.7

95 33.0 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 58.344 ng

RT: 6.875 min Scan# 796

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

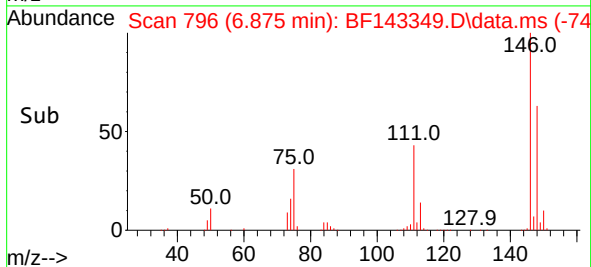
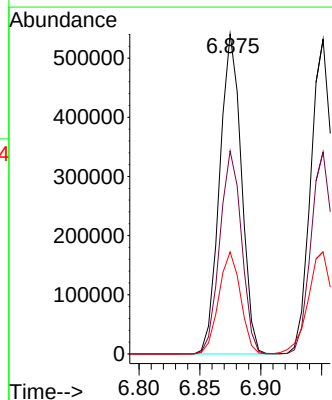
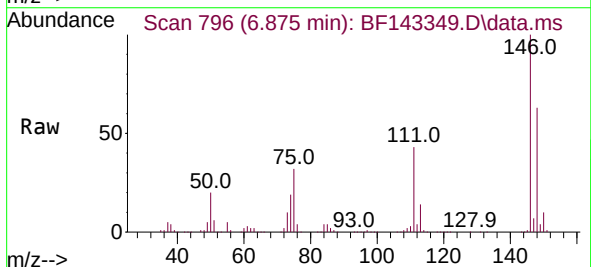
Tgt Ion:146 Resp: 671800

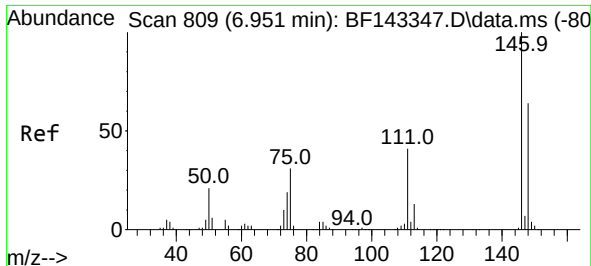
Ion Ratio Lower Upper

146 100

148 63.5 50.5 75.7

75 31.9 24.9 37.3

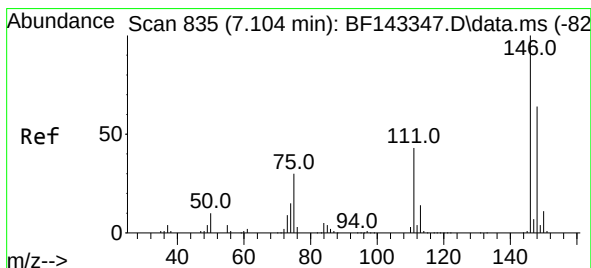
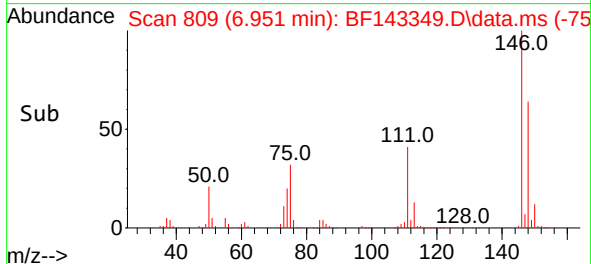
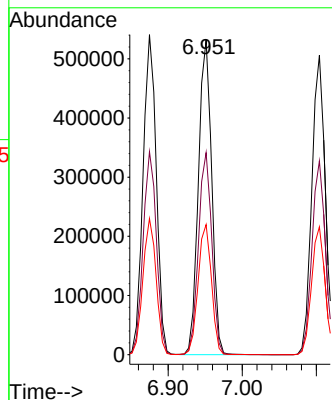
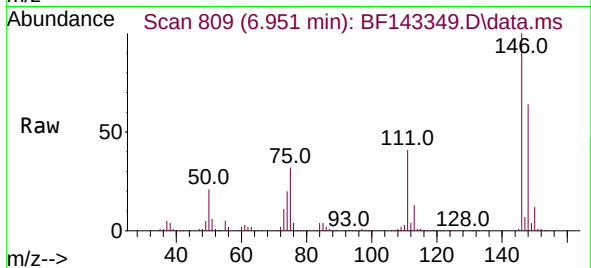




#13
1,4-Dichlorobenzene
Concen: 57.278 ng
RT: 6.951 min Scan# 809
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

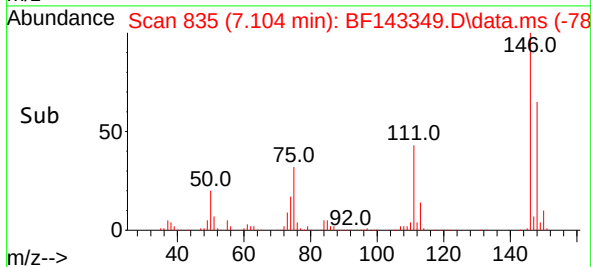
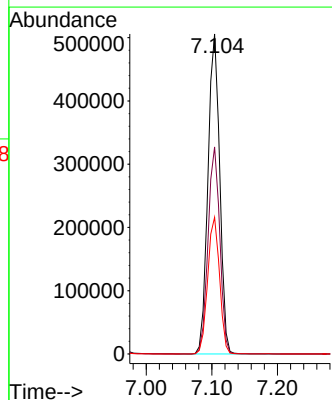
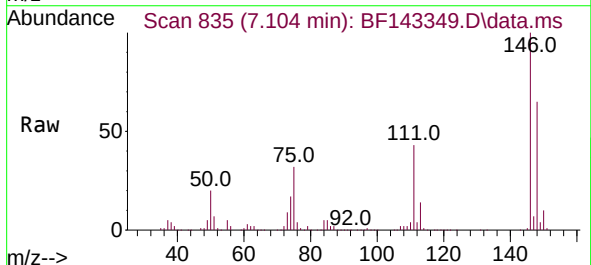
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

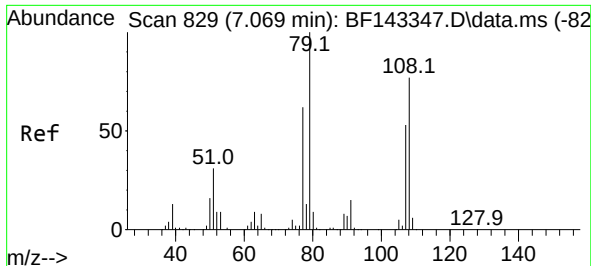
Tgt Ion:146 Resp: 661936
Ion Ratio Lower Upper
146 100
148 64.2 51.4 77.0
111 41.4 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 57.835 ng
RT: 7.104 min Scan# 835
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:146 Resp: 634447
Ion Ratio Lower Upper
146 100
148 64.7 51.4 77.2
111 42.7 34.1 51.1

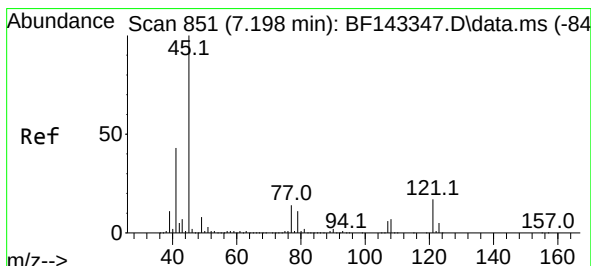
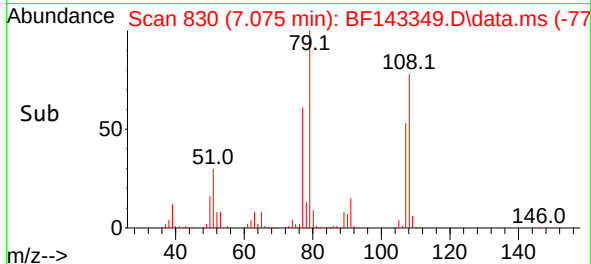
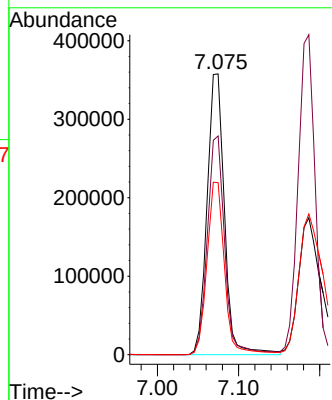
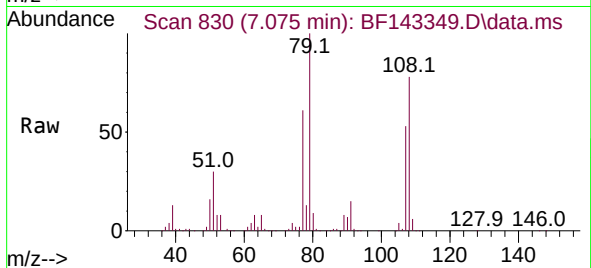




#15
Benzyl Alcohol
Concen: 61.891 ng
RT: 7.075 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

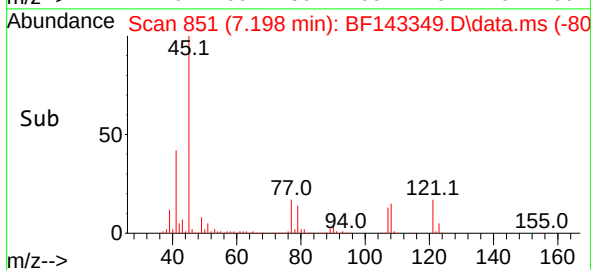
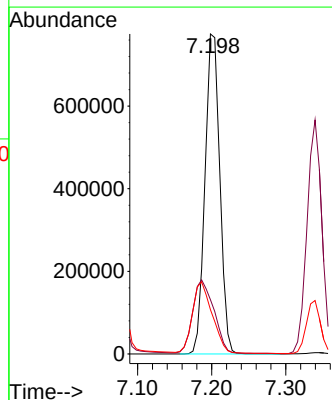
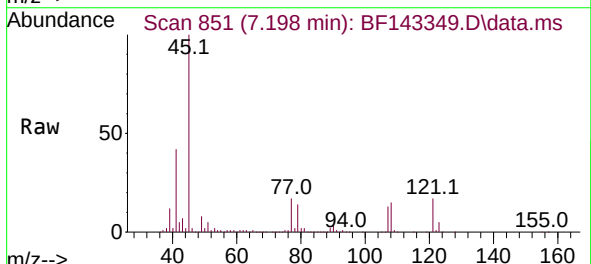
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

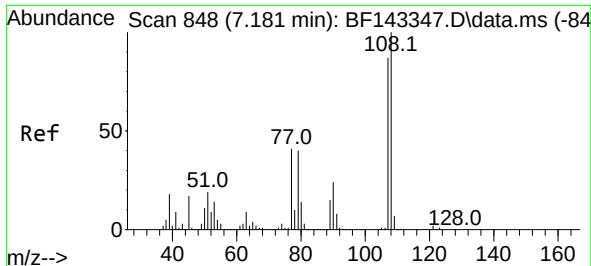
Tgt Ion: 79 Resp: 531507
Ion Ratio Lower Upper
79 100
108 77.9 61.5 92.3
77 61.2 49.8 74.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 57.714 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 45 Resp: 1077772
Ion Ratio Lower Upper
45 100
77 16.9 0.0 34.0
79 13.8 0.0 31.1

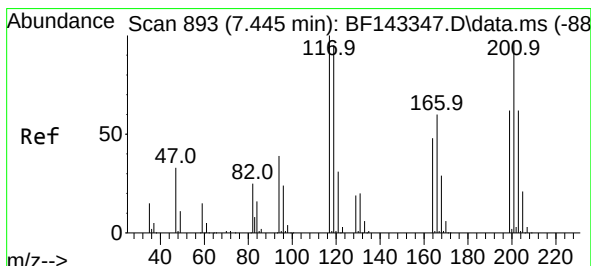
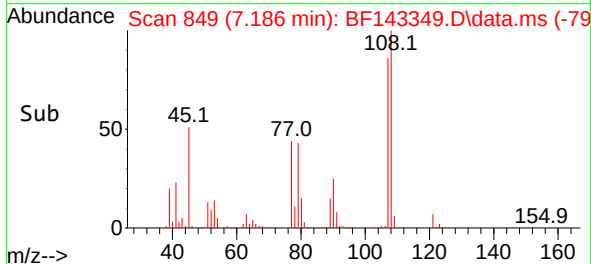
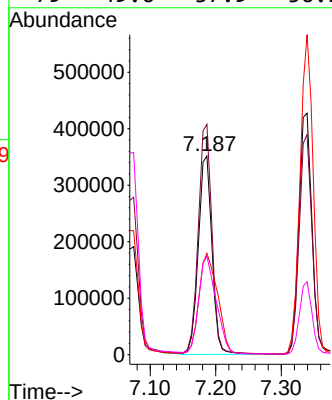
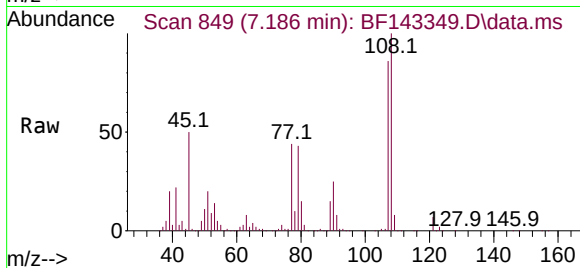




#17
2-Methylphenol
Concen: 60.895 ng
RT: 7.186 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

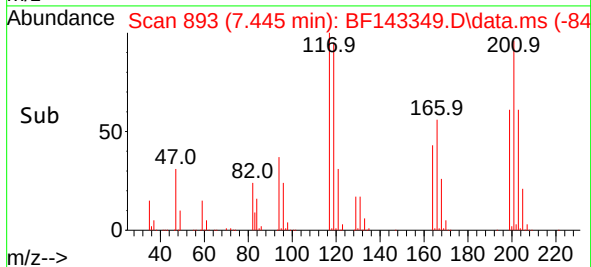
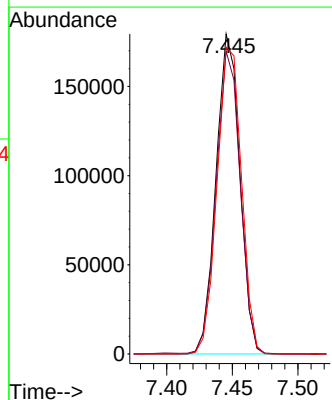
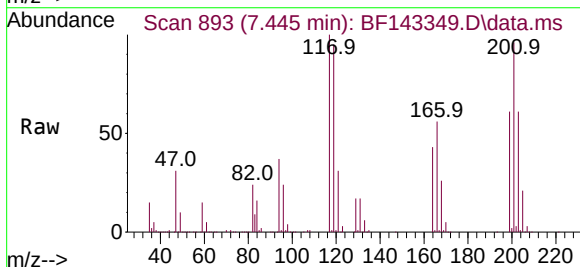
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

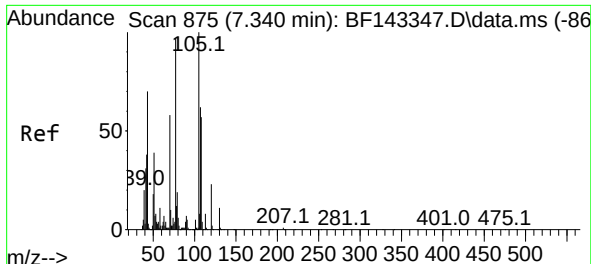
Tgt Ion:107 Resp: 513134
Ion Ratio Lower Upper
107 100
108 115.9 92.0 138.0
77 51.0 38.2 57.2
79 49.6 37.9 56.9



#18
Hexachloroethane
Concen: 62.318 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:117 Resp: 225784
Ion Ratio Lower Upper
117 100
119 94.6 75.8 113.8
201 95.9 77.2 115.8

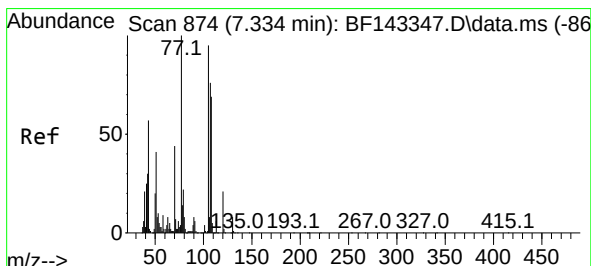
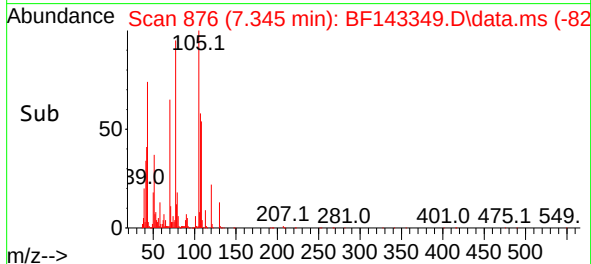
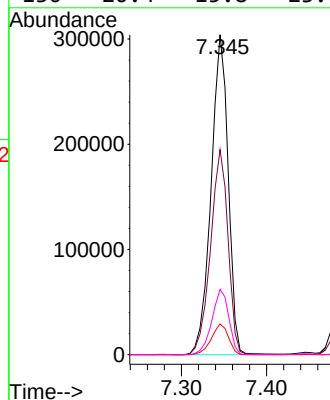
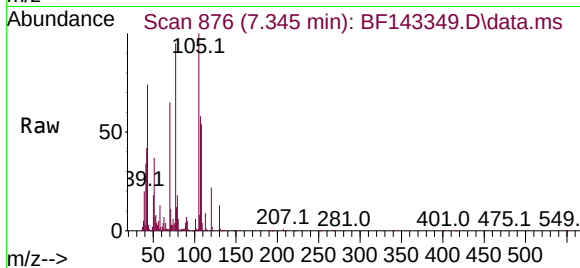




#19
n-Nitroso-di-n-propylamine
Concen: 57.269 ng
RT: 7.345 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

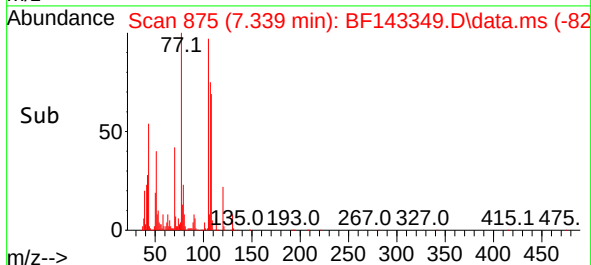
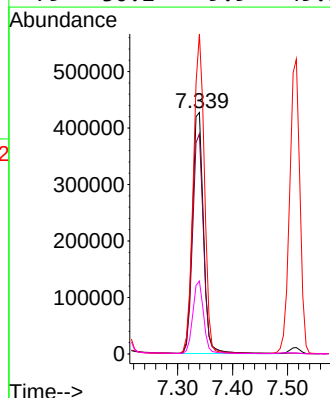
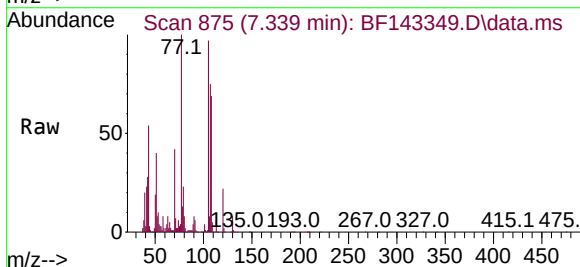
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

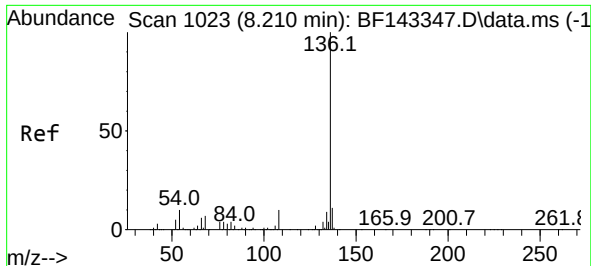
Tgt Ion:	70	Resp:	423943
Ion	Ratio	Lower	Upper
70	100		
42	64.1	51.6	77.4
101	9.6	7.5	11.3
130	20.4	15.8	23.6



#20
3+4-Methylphenols
Concen: 58.354 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:	107	Resp:	594674
Ion	Ratio	Lower	Upper
107	100		
108	91.1	70.6	110.6
77	132.5	112.0	152.0
79	30.2	9.9	49.9

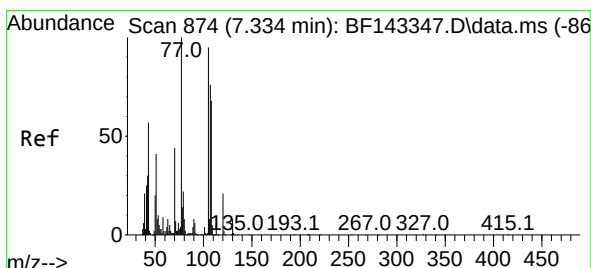
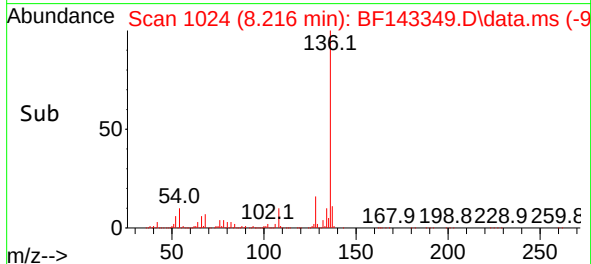
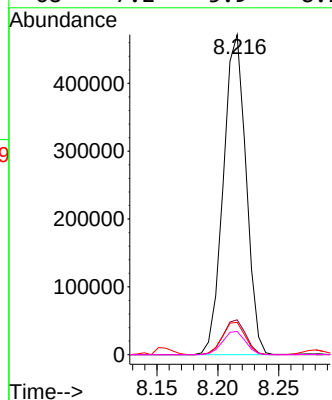
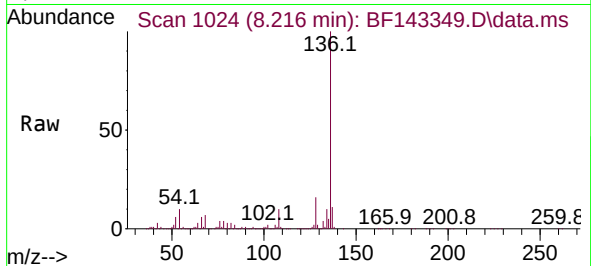




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

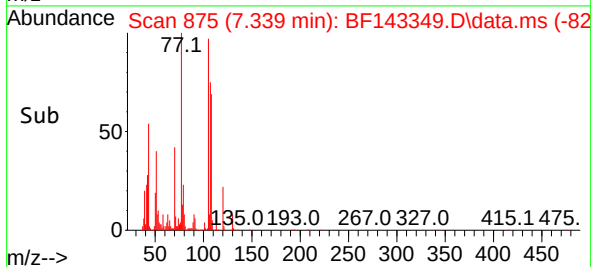
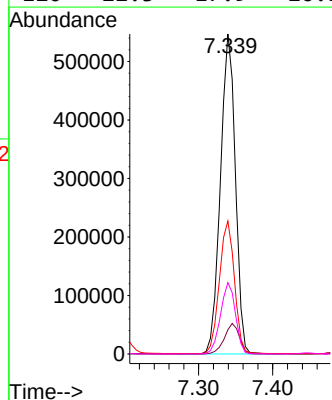
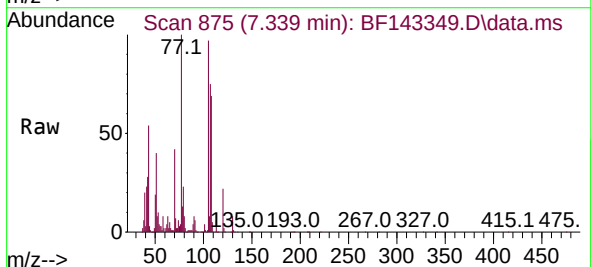
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

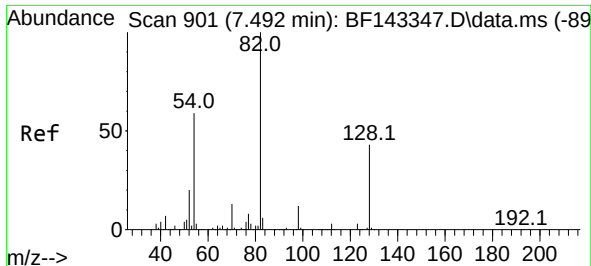
Tgt Ion:	136	Resp:	611608
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	10.1	8.4	12.6
68	7.2	5.9	8.9



#22
Acetophenone
Concen: 56.784 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:	105	Resp:	765201
Ion Ratio	Lower	Upper	
105	100		
71	7.5	6.2	9.4
51	41.6	34.8	52.2
120	22.3	17.9	26.9





#23

Nitrobenzene-d5

Concen: 127.441 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

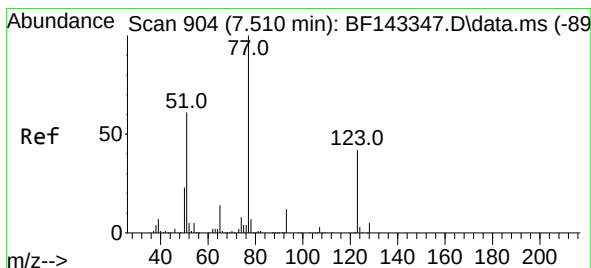
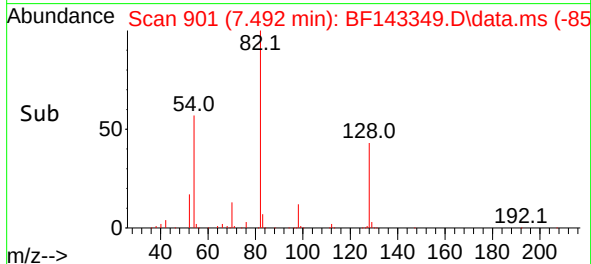
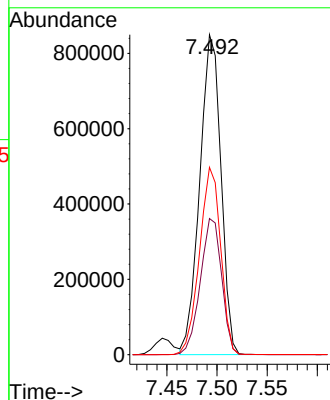
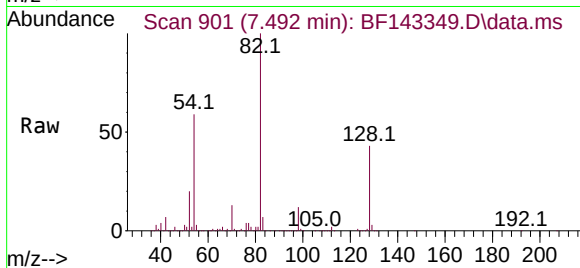
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1251642

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.5	50.3
54	58.5	46.7	70.1



#24

Nitrobenzene

Concen: 63.075 ng

RT: 7.516 min Scan# 905

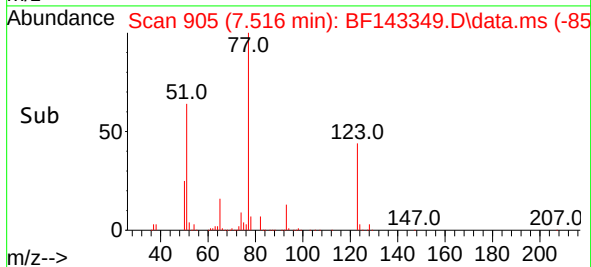
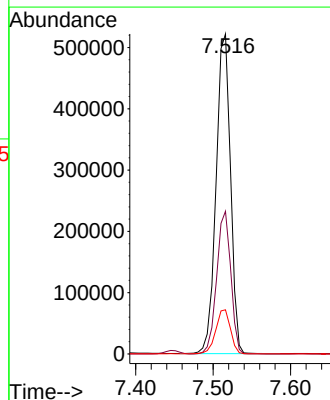
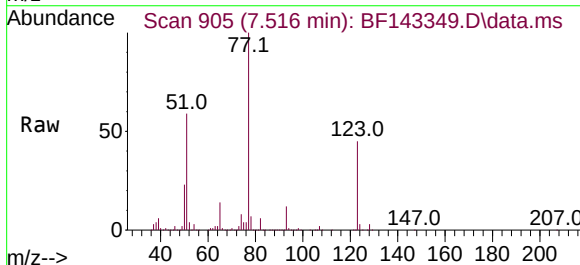
Delta R.T. 0.006 min

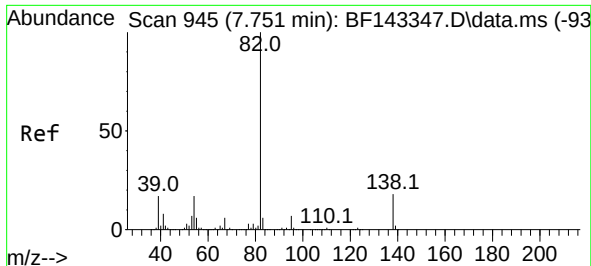
Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Tgt Ion: 77 Resp: 672780

Ion	Ratio	Lower	Upper
77	100		
123	44.6	34.8	52.2
65	13.8	11.0	16.6

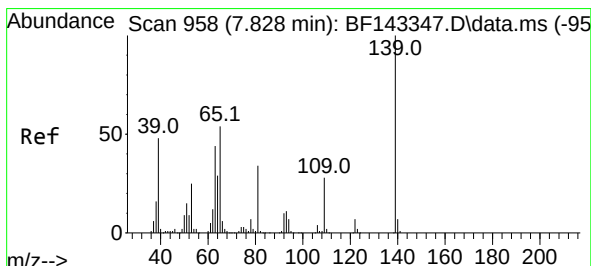
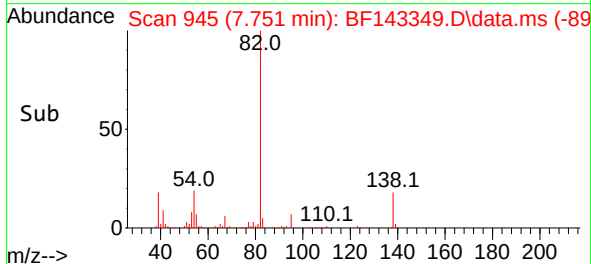
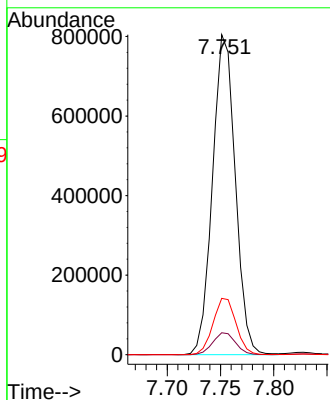
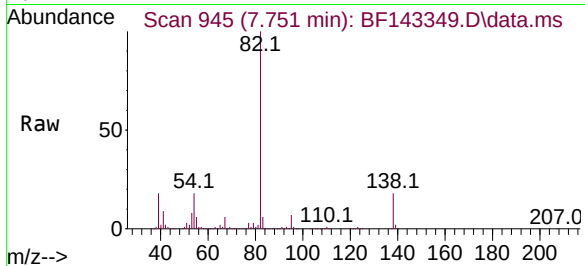




#25
Isophorone
Concen: 59.613 ng
RT: 7.751 min Scan# 945
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

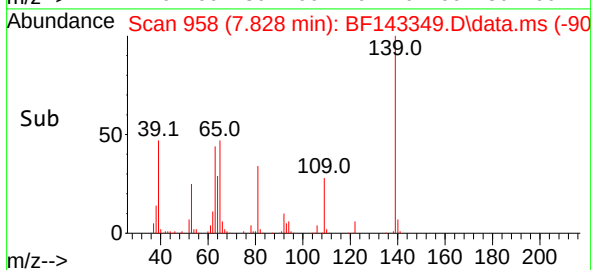
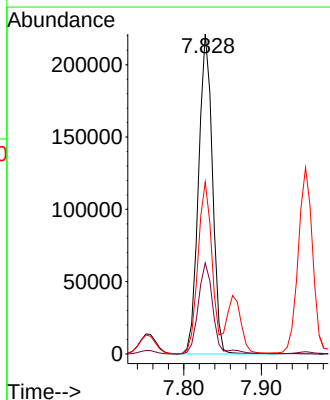
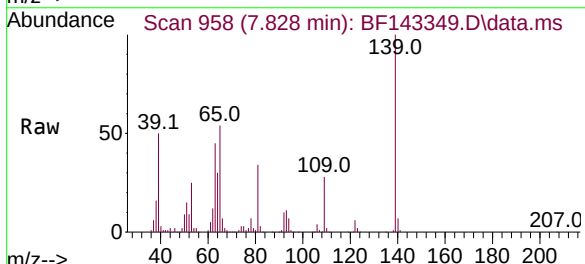
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

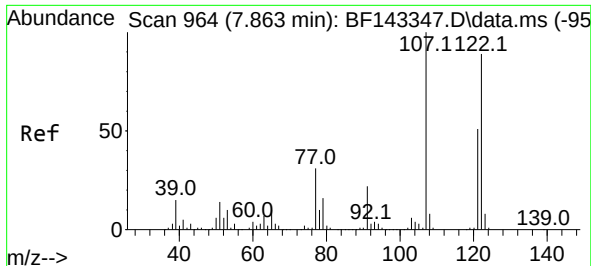
Tgt Ion: 82 Resp: 1195220
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.6 14.6 21.8



#26
2-Nitrophenol
Concen: 63.401 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 139 Resp: 276412
Ion Ratio Lower Upper
139 100
109 28.5 22.4 33.6
65 53.8 42.9 64.3

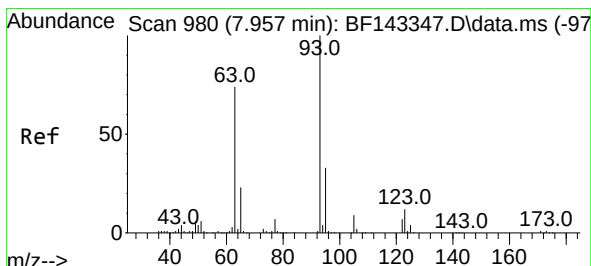
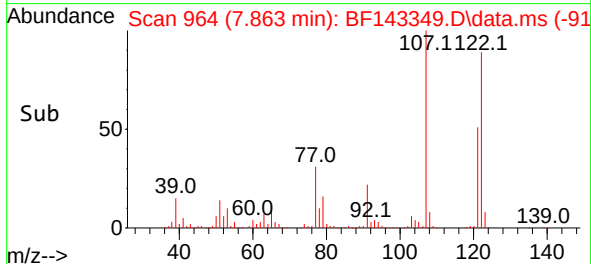
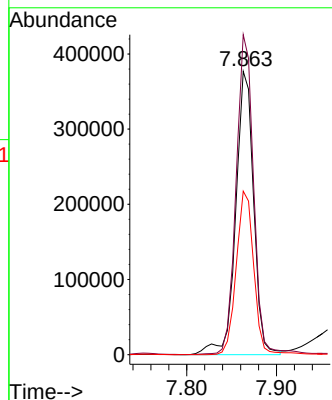
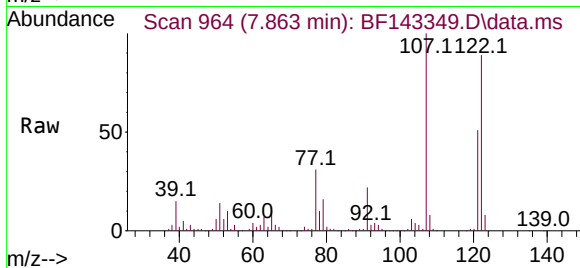




#27
2,4-Dimethylphenol
Concen: 62.476 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

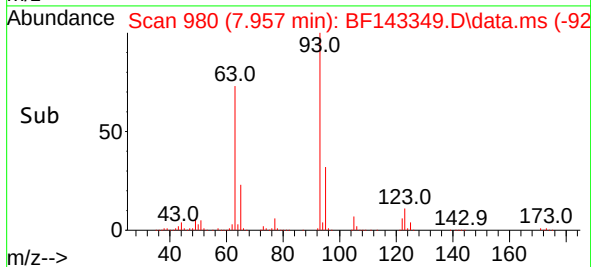
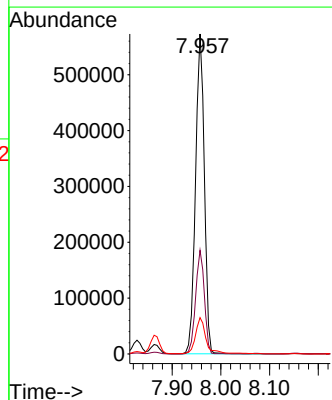
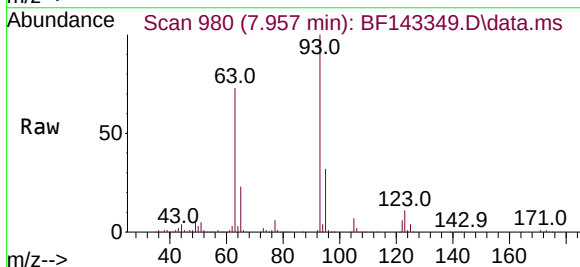
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

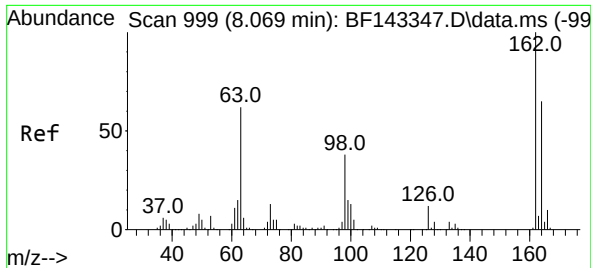
Tgt Ion:122 Resp: 522594
Ion Ratio Lower Upper
122 100
107 112.9 89.9 134.9
121 57.7 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 59.338 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 93 Resp: 726373
Ion Ratio Lower Upper
93 100
95 32.4 26.2 39.4
123 11.4 9.4 14.2

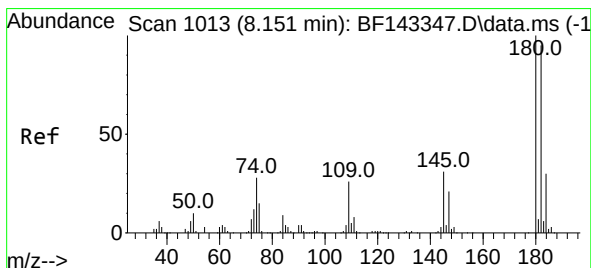
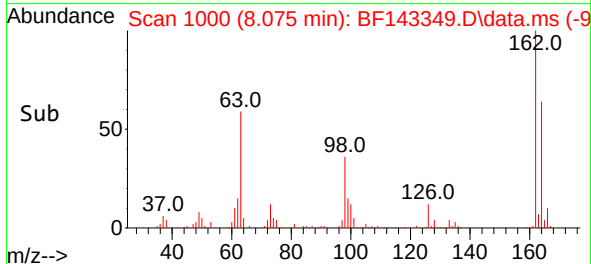
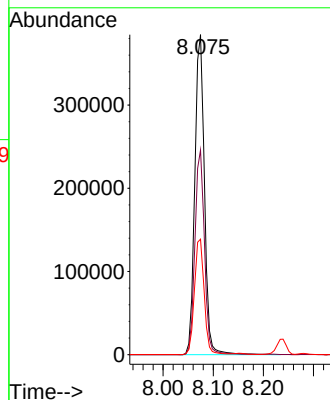
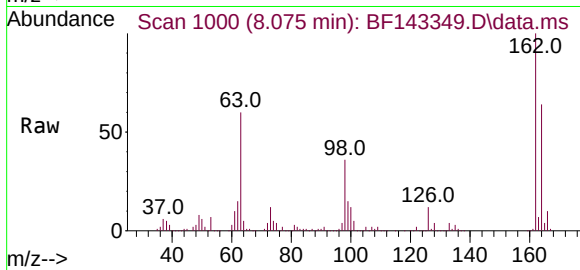




#29
2,4-Dichlorophenol
Concen: 62.732 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

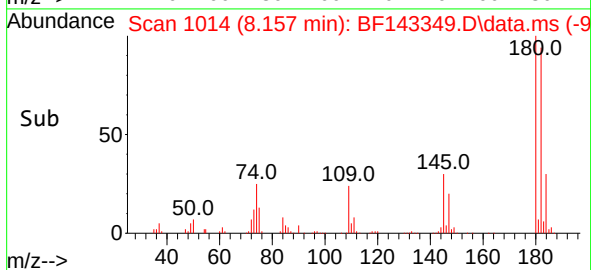
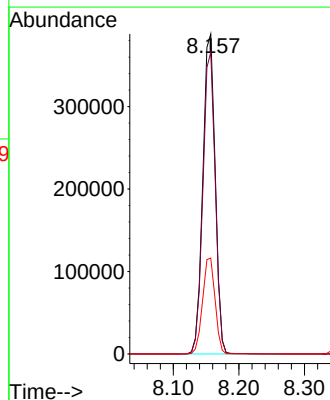
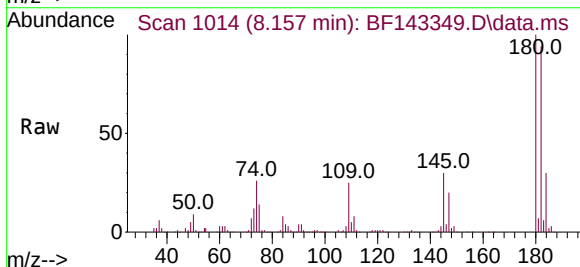
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

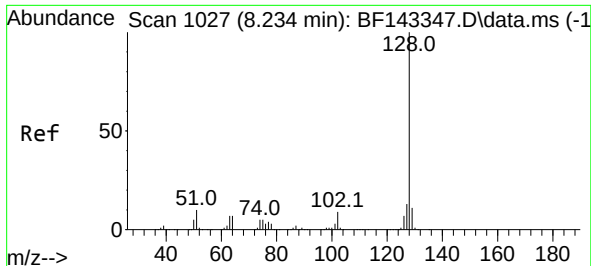
Tgt Ion:162 Resp: 512513
Ion Ratio Lower Upper
162 100
164 63.9 44.5 84.5
98 36.1 17.7 57.7



#30
1,2,4-Trichlorobenzene
Concen: 59.275 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:180 Resp: 510824
Ion Ratio Lower Upper
180 100
182 94.2 76.1 114.1
145 30.0 24.9 37.3

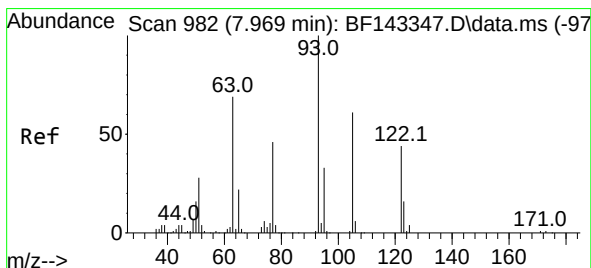
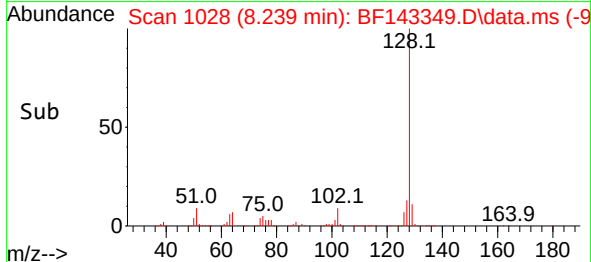
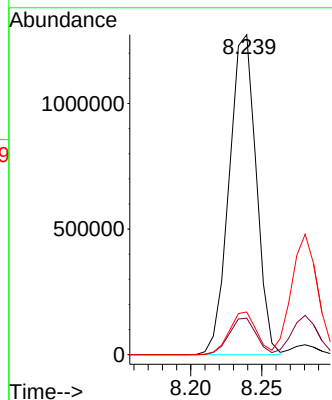
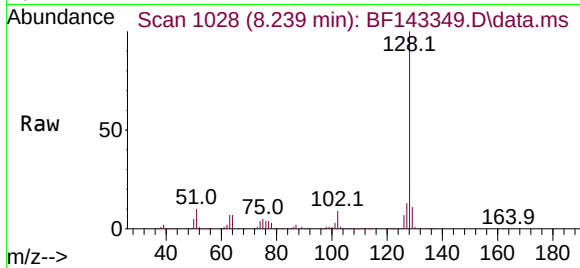




#31
Naphthalene
Concen: 57.179 ng
RT: 8.239 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

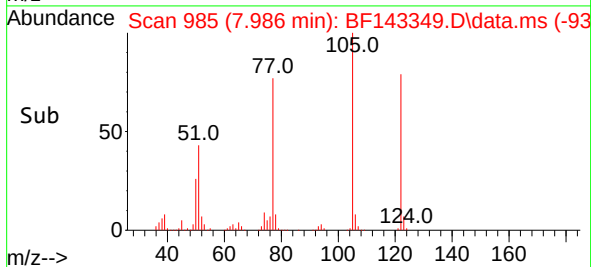
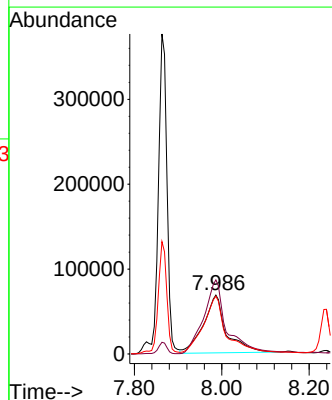
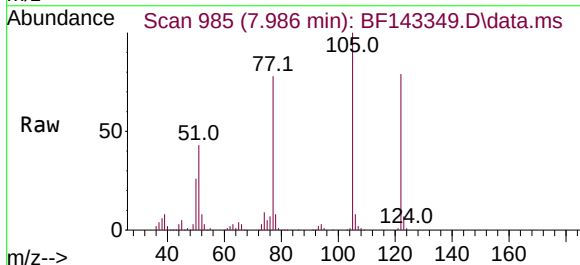
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

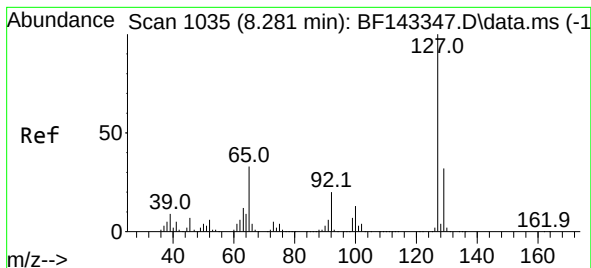
Tgt Ion:128 Resp: 1682766
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.3 10.7 16.1



#32
Benzoic acid
Concen: 62.282 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.017 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:122 Resp: 248714
Ion Ratio Lower Upper
122 100
105 125.9 106.4 146.4
77 98.1 79.2 119.2





#33

4-Chloroaniline

Concen: 59.564 ng

RT: 8.281 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 632256

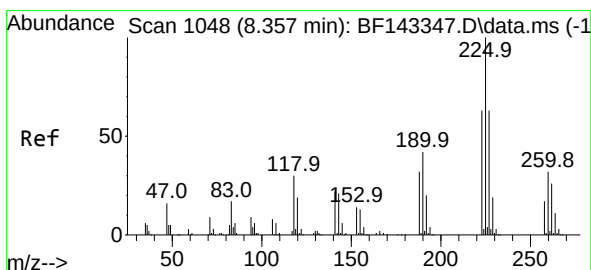
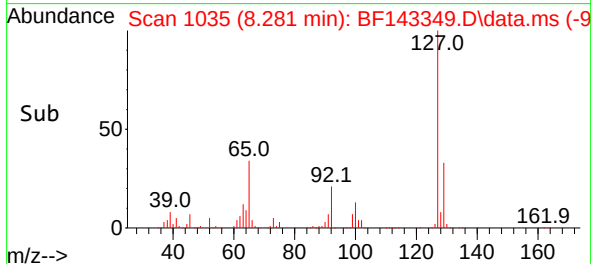
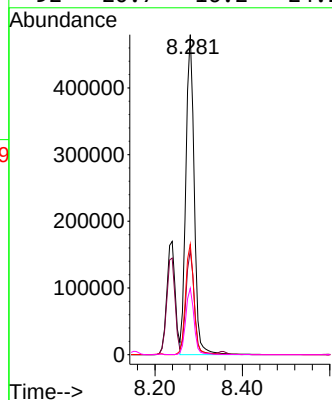
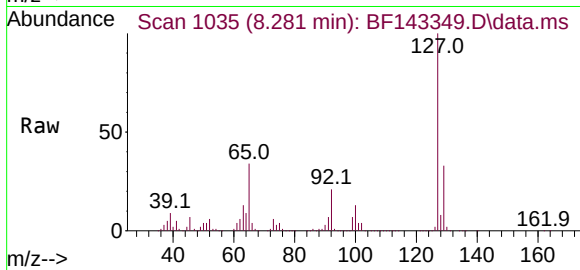
Ion Ratio Lower Upper

127 100

129 32.6 26.0 39.0

65 34.5 27.0 40.4

92 20.7 16.2 24.2



#34

Hexachlorobutadiene

Concen: 58.655 ng

RT: 8.357 min Scan# 1048

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

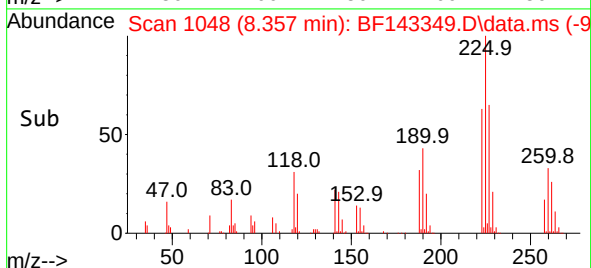
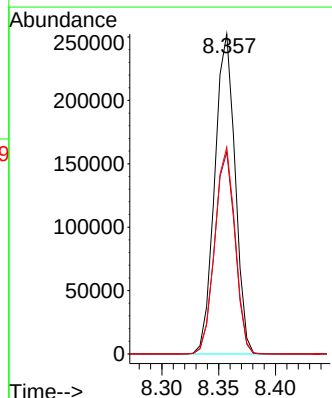
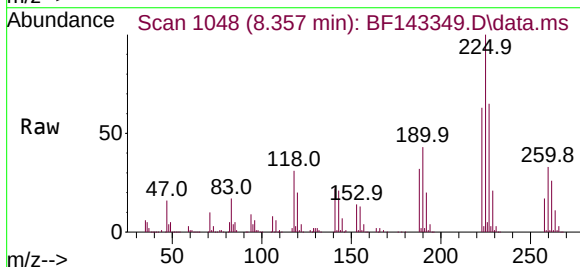
Tgt Ion:225 Resp: 314445

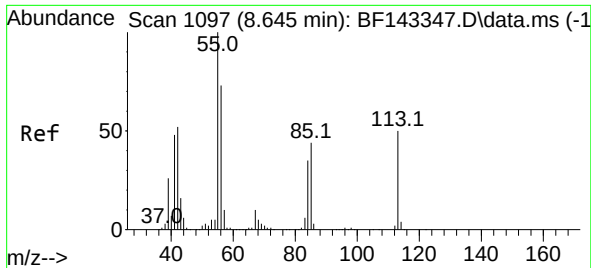
Ion Ratio Lower Upper

225 100

223 63.1 50.1 75.1

227 64.6 50.6 75.8

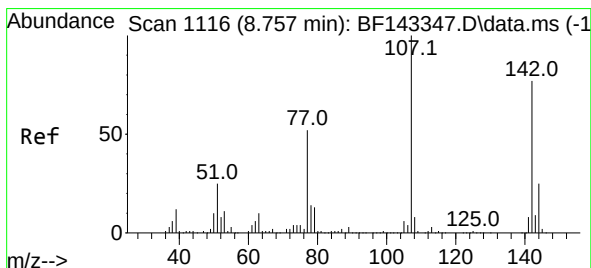
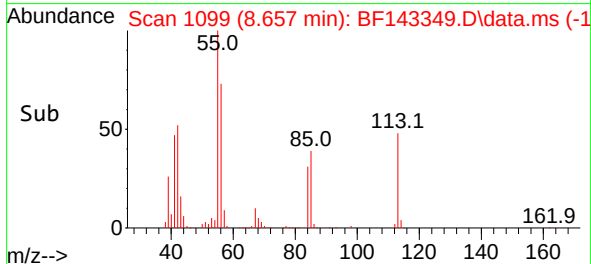
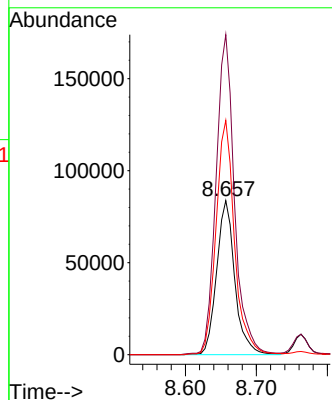
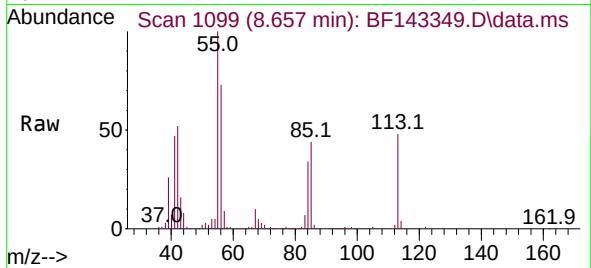




#35
Caprolactam
Concen: 64.696 ng
RT: 8.657 min Scan# 1099
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

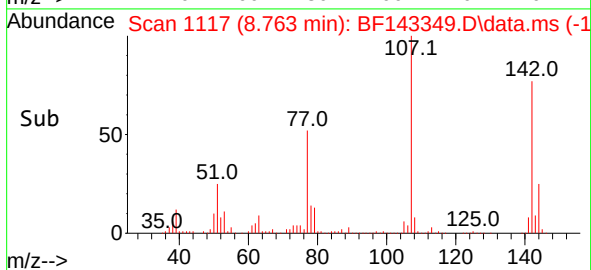
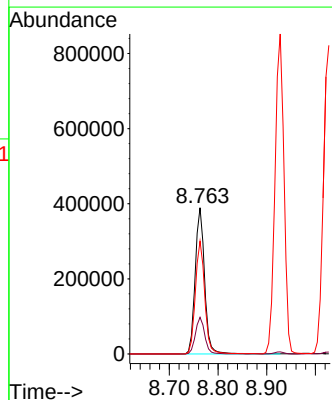
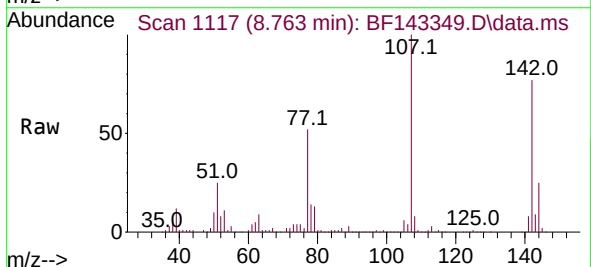
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

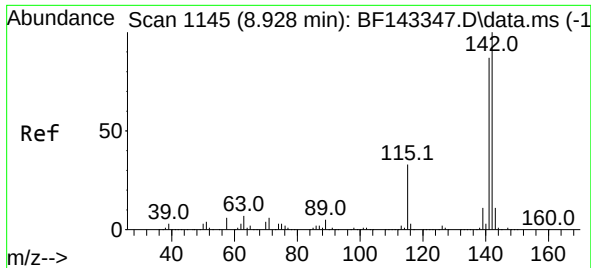
Tgt Ion:113 Resp: 148587
Ion Ratio Lower Upper
113 100
55 207.6 181.4 221.4
56 152.0 127.3 167.3



#36
4-Chloro-3-methylphenol
Concen: 61.301 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:107 Resp: 525032
Ion Ratio Lower Upper
107 100
144 25.0 20.0 30.0
142 77.2 61.3 91.9





#37

2-Methylnaphthalene

Concen: 56.249 ng

RT: 8.928 min Scan# 1145

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

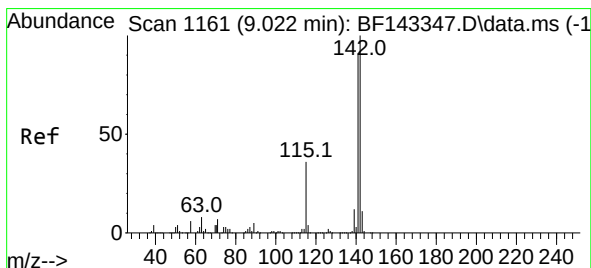
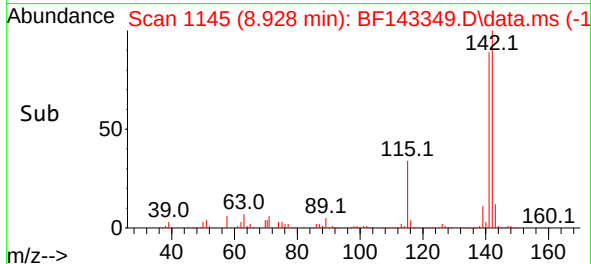
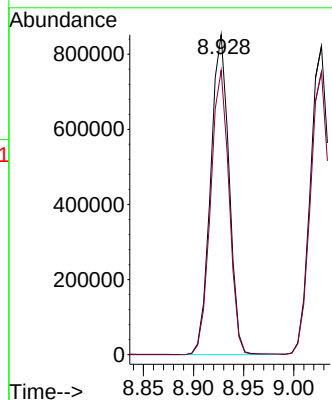
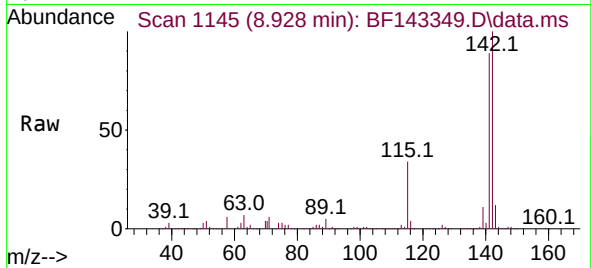
SSTDICC060

Tgt Ion:142 Resp: 1088275

Ion Ratio Lower Upper

142 100

141 88.9 69.8 104.8



#38

1-Methylnaphthalene

Concen: 56.505 ng

RT: 9.028 min Scan# 1162

Delta R.T. 0.006 min

Lab File: BF143349.D

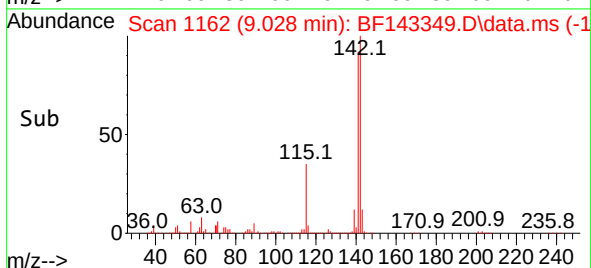
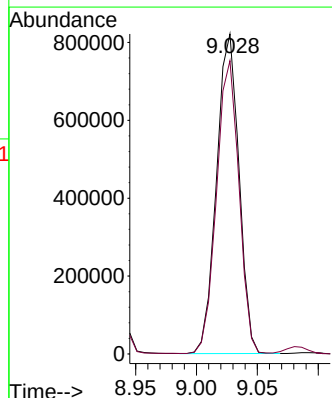
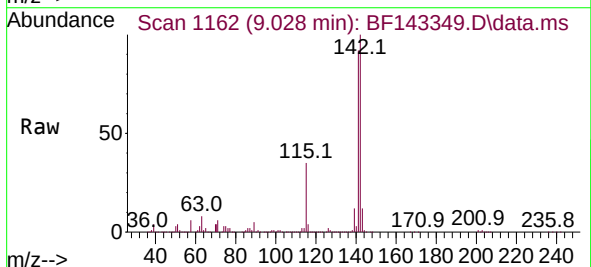
Acq: 12 Aug 2025 12:07

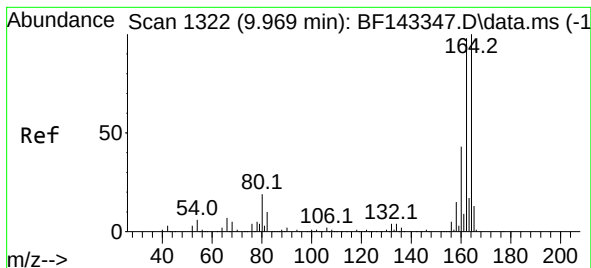
Tgt Ion:142 Resp: 1052909

Ion Ratio Lower Upper

142 100

141 91.6 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

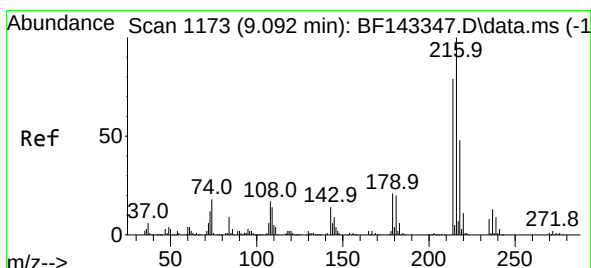
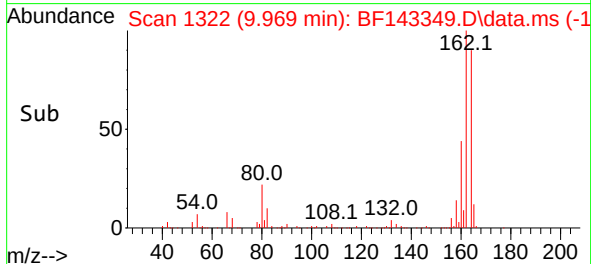
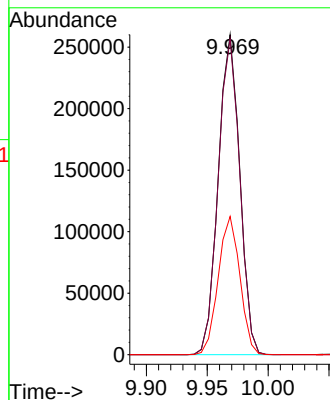
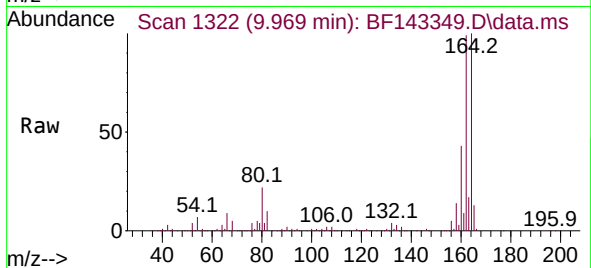
Tgt Ion:164 Resp: 320321

Ion Ratio Lower Upper

164 100

162 98.6 78.6 118.0

160 43.2 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 58.880 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Tgt Ion:216 Resp: 516108

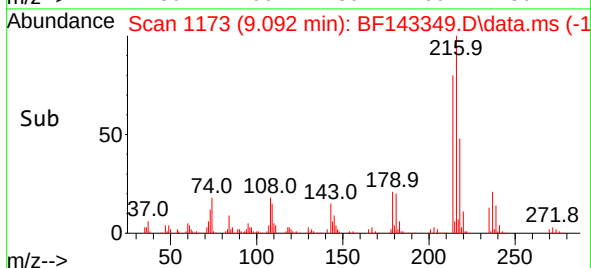
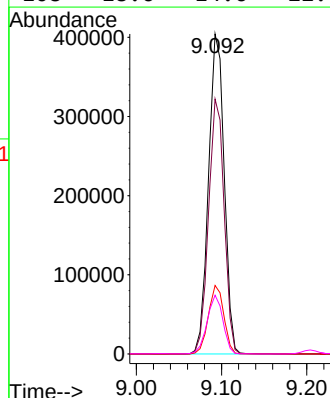
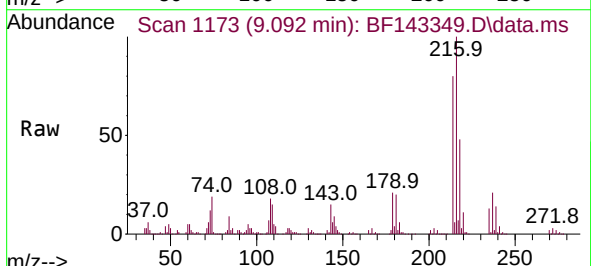
Ion Ratio Lower Upper

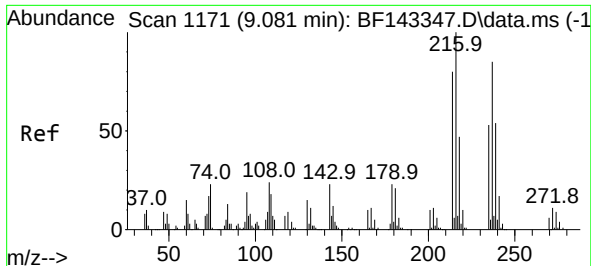
216 100

214 79.3 63.0 94.4

179 21.2 17.0 25.4

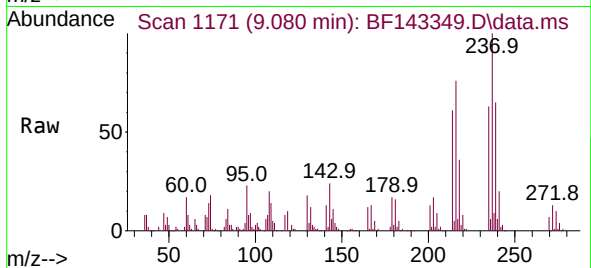
108 18.6 14.6 22.0



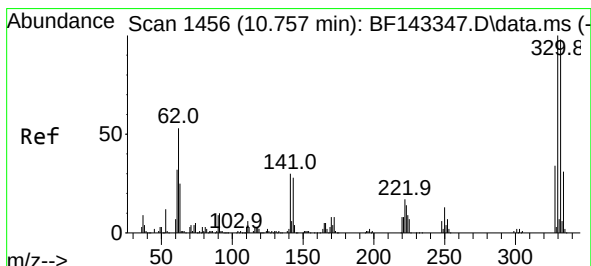
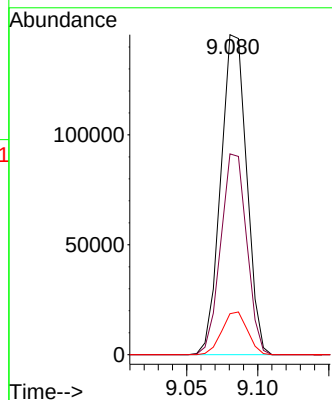
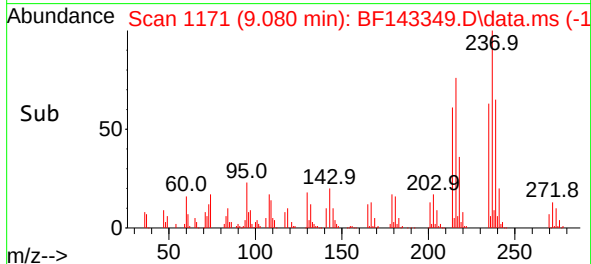


#41
Hexachlorocyclopentadiene
Concen: 61.485 ng
RT: 9.080 min Scan# 1171
Delta R.T. -0.001 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

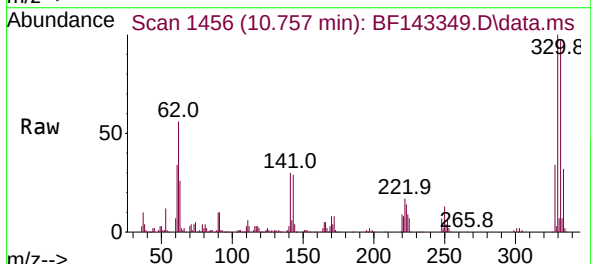
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



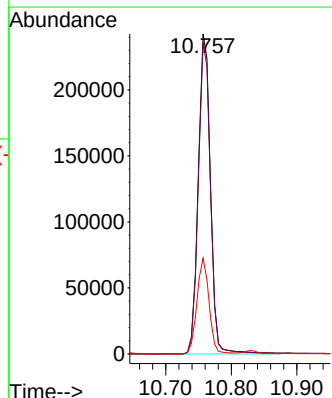
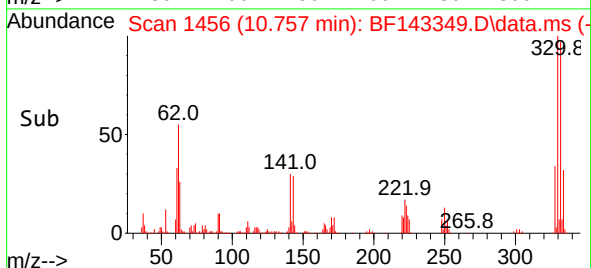
Tgt Ion: 237 Resp: 184941
Ion Ratio Lower Upper
237 100
235 62.8 42.0 82.0
272 12.8 0.0 32.6

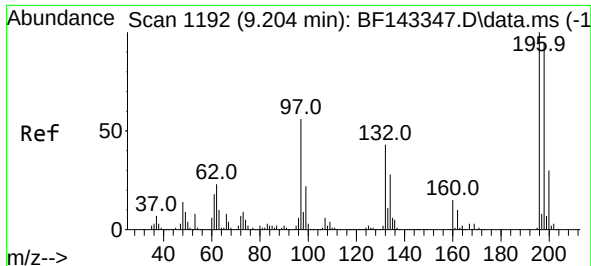


#42
2,4,6-Tribromophenol
Concen: 134.290 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07



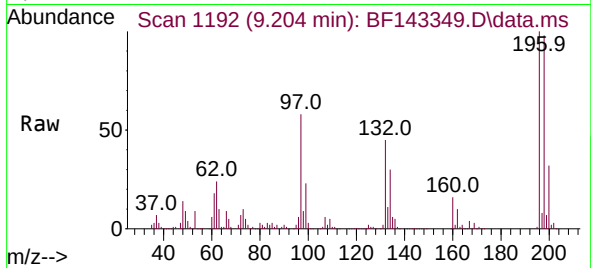
Tgt Ion: 330 Resp: 314370
Ion Ratio Lower Upper
330 100
332 97.6 78.1 117.1
141 29.3 25.4 38.0



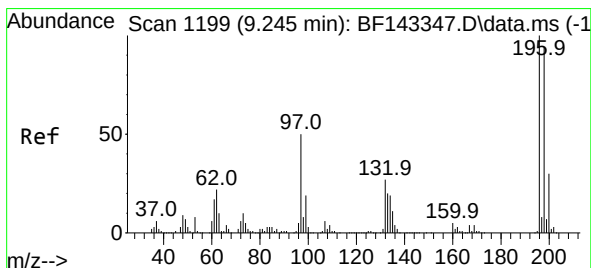
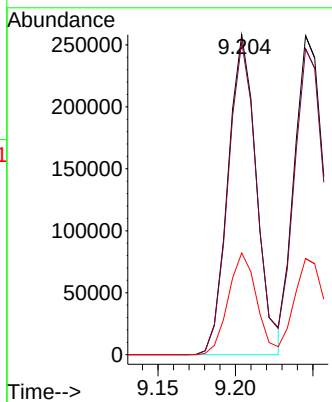
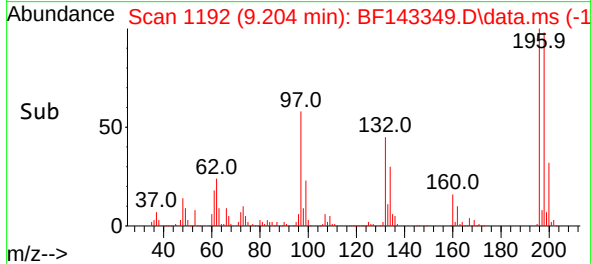


#43
2,4,6-Trichlorophenol
Concen: 66.369 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

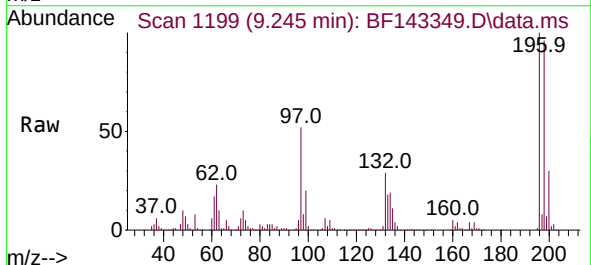
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



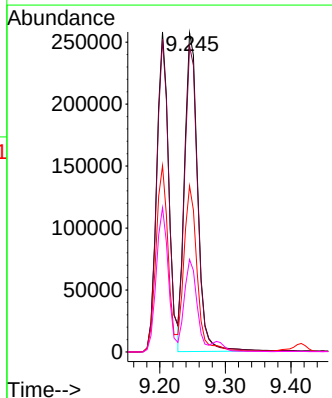
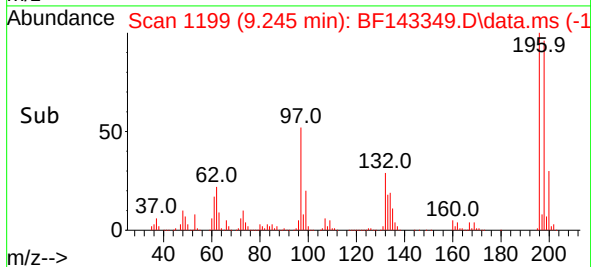
Tgt Ion:196 Resp: 330076
Ion Ratio Lower Upper
196 100
198 97.7 75.4 113.0
200 31.8 24.3 36.5

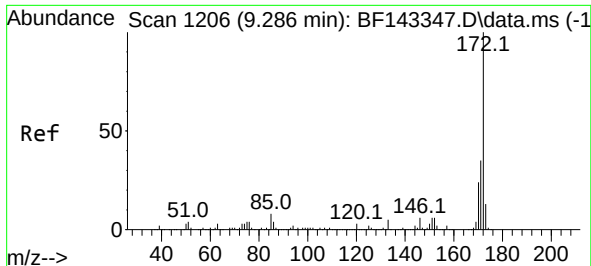


#44
2,4,5-Trichlorophenol
Concen: 63.299 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07



Tgt Ion:196 Resp: 355498
Ion Ratio Lower Upper
196 100
198 95.9 75.4 113.2
97 52.1 39.9 59.9
132 29.0 22.6 33.8

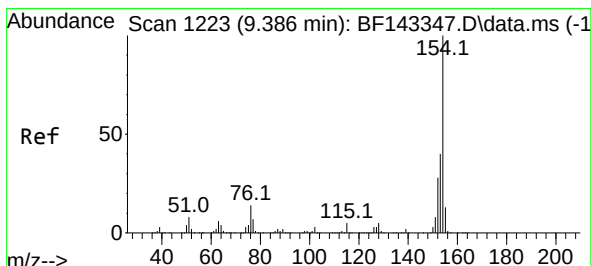
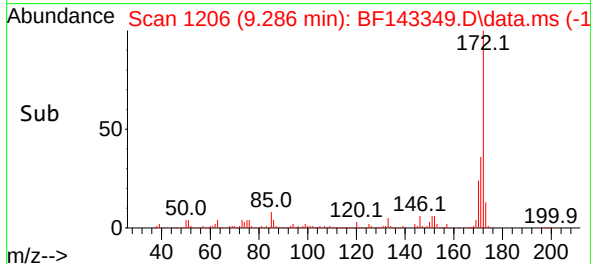
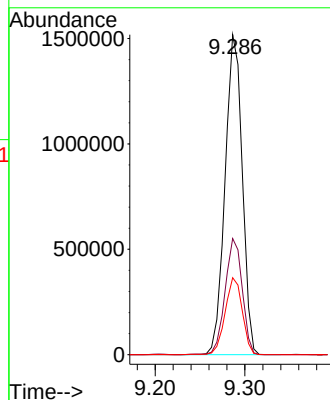
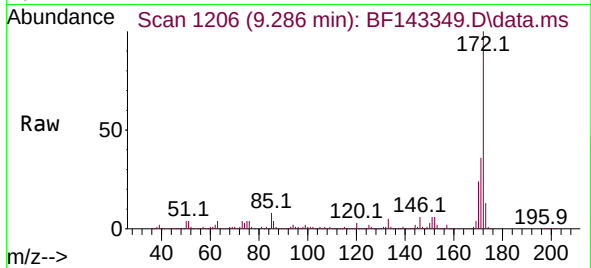




#45
2-Fluorobiphenyl
Concen: 106.990 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

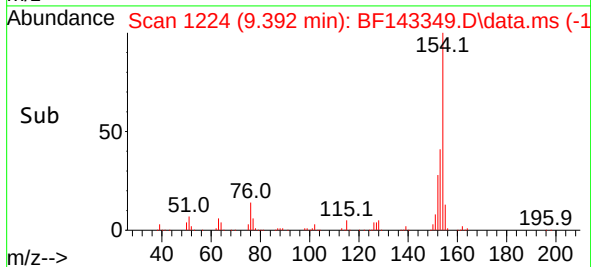
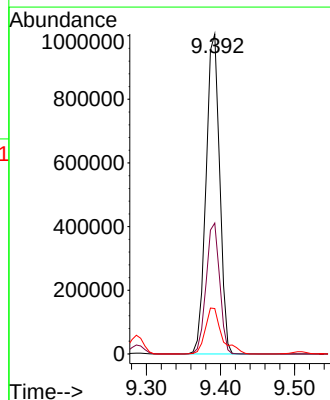
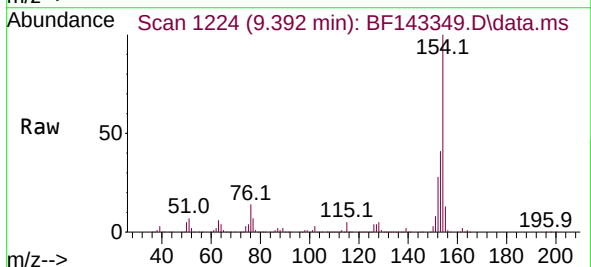
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

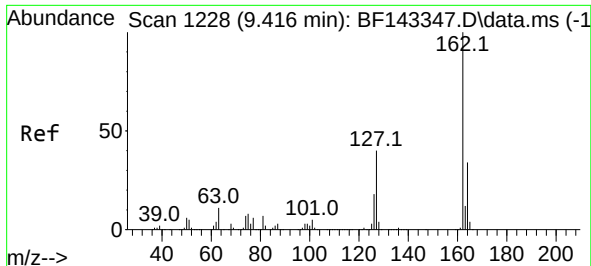
Tgt Ion:172 Resp: 2021003
Ion Ratio Lower Upper
172 100
171 36.3 28.4 42.6
170 24.1 19.1 28.7



#46
1,1'-Biphenyl
Concen: 56.642 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:154 Resp: 1282862
Ion Ratio Lower Upper
154 100
153 40.9 20.2 60.2
76 14.2 0.0 34.4





#47

2-Chloronaphthalene

Concen: 58.223 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

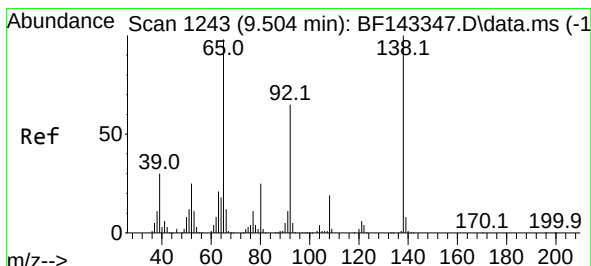
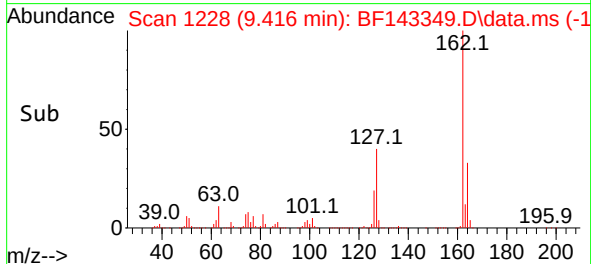
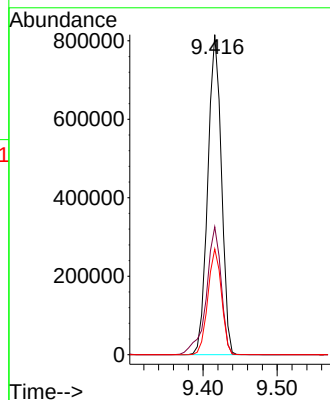
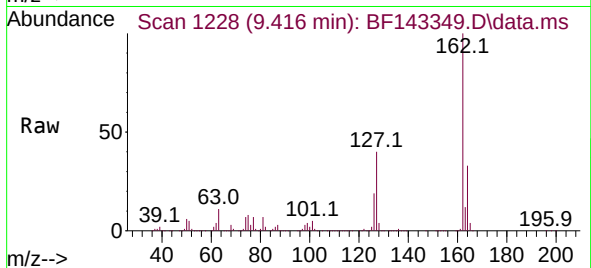
Tgt Ion:162 Resp: 1038548

Ion Ratio Lower Upper

162 100

127 39.9 32.1 48.1

164 33.1 27.0 40.4



#48

2-Nitroaniline

Concen: 61.917 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

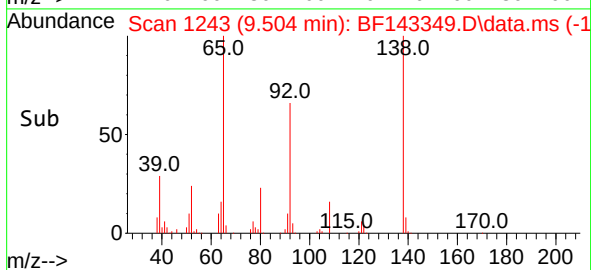
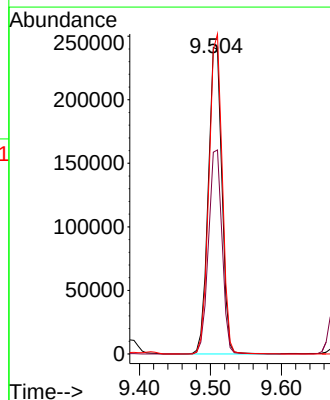
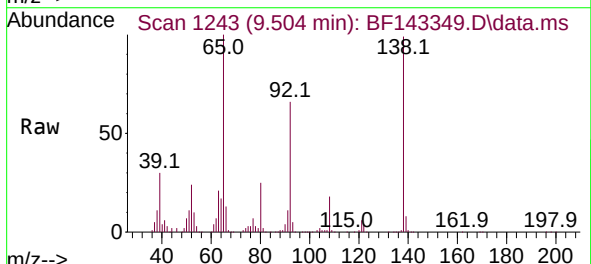
Tgt Ion: 65 Resp: 322909

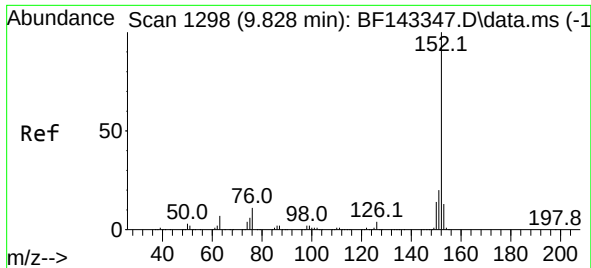
Ion Ratio Lower Upper

65 100

92 65.8 53.1 79.7

138 99.2 81.4 122.0

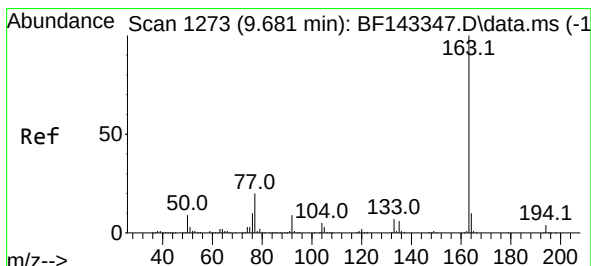
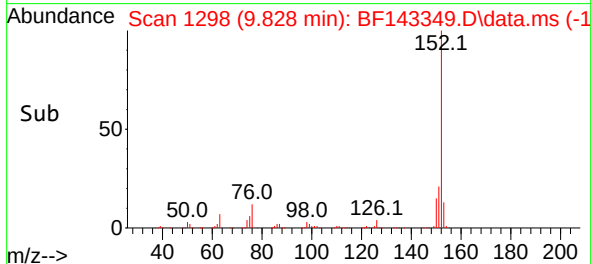
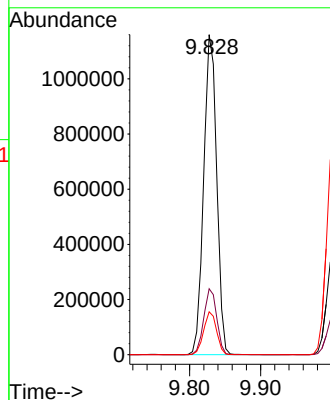
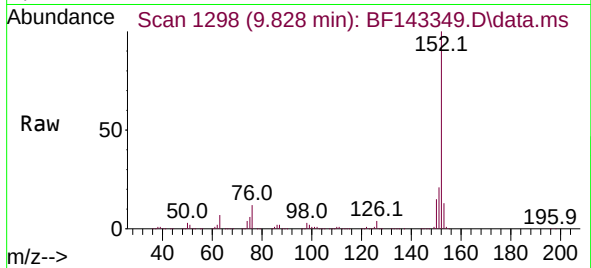




#49
Acenaphthylene
Concen: 57.494 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

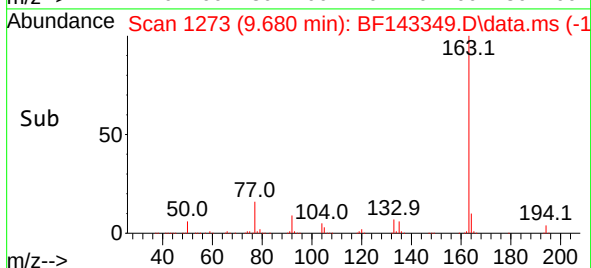
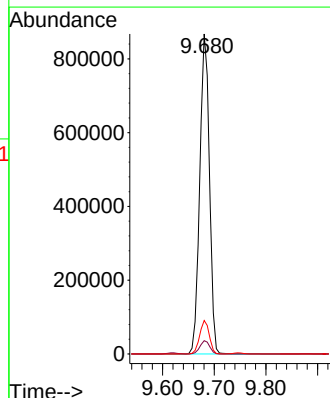
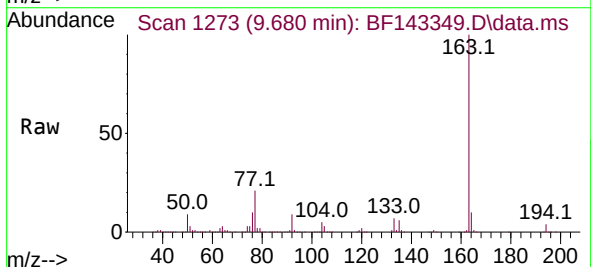
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

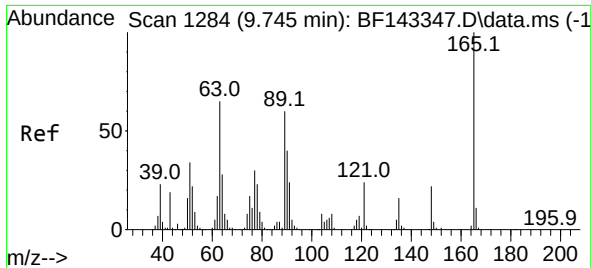
Tgt Ion:152 Resp: 1481001
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.2
153 13.4 10.6 16.0



#50
Dimethylphthalate
Concen: 60.109 ng
RT: 9.680 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:163 Resp: 1125050
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.5 8.2 12.2

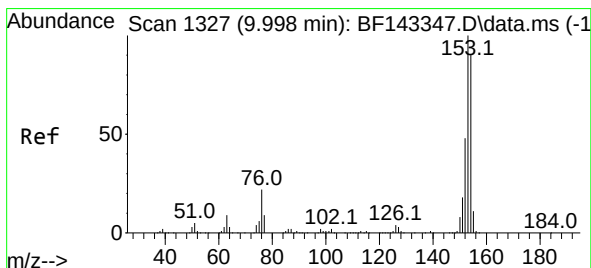
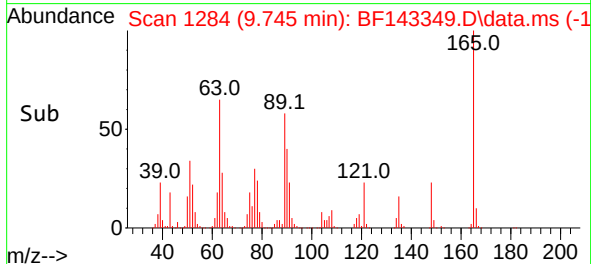
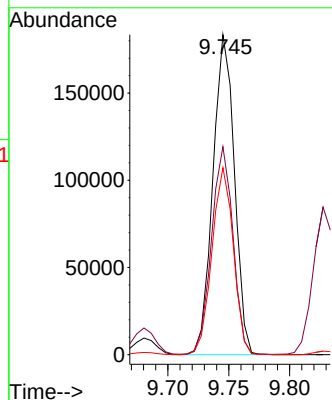
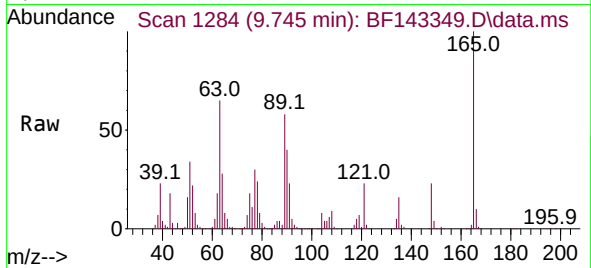




#51
2,6-Dinitrotoluene
Concen: 62.496 ng
RT: 9.745 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

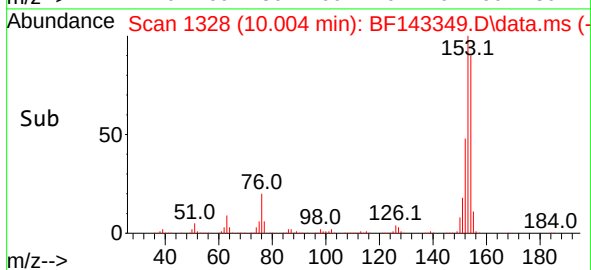
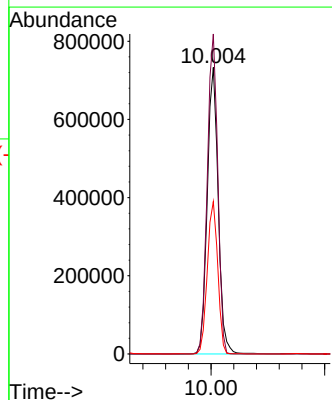
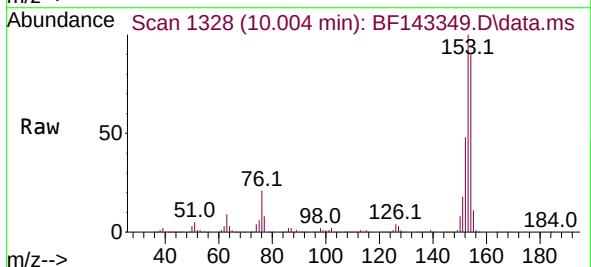
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

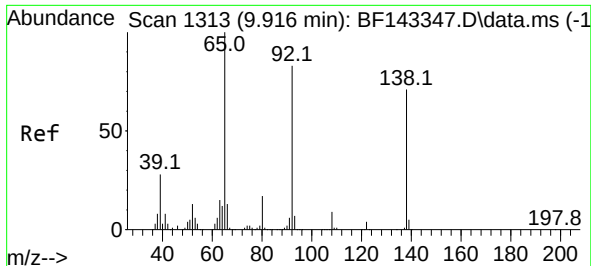
Tgt Ion:165 Resp: 224724
Ion Ratio Lower Upper
165 100
63 65.0 51.6 77.4
89 58.4 47.7 71.5



#52
Acenaphthene
Concen: 57.055 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:154 Resp: 977067
Ion Ratio Lower Upper
154 100
153 111.7 88.5 132.7
152 53.1 42.4 63.6

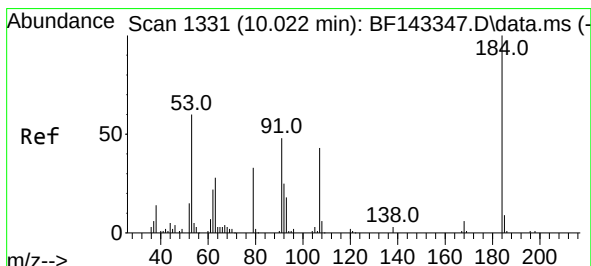
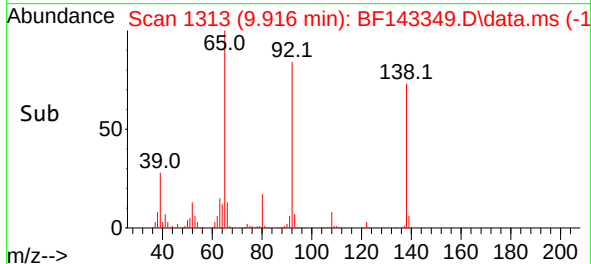
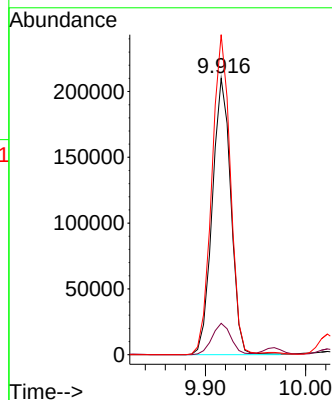
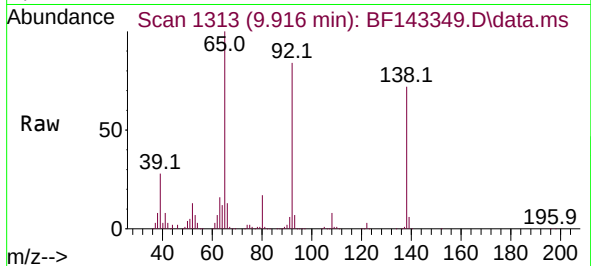




#53
3-Nitroaniline
Concen: 70.462 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

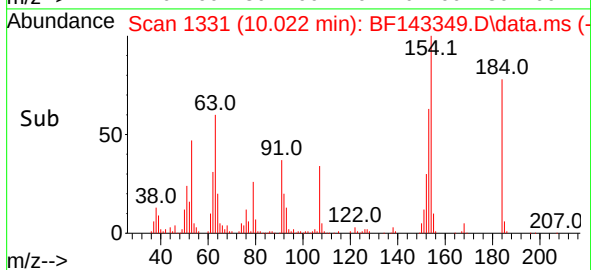
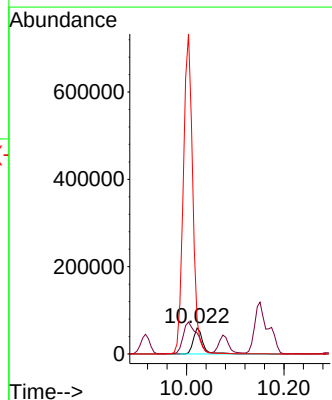
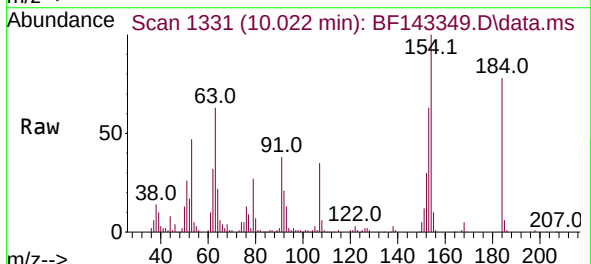
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

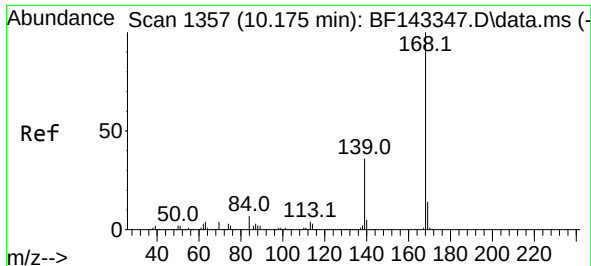
Tgt Ion:138 Resp: 270085
Ion Ratio Lower Upper
138 100
108 11.3 9.6 14.4
92 115.8 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 62.319 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:184 Resp: 82451
Ion Ratio Lower Upper
184 100
63 81.0 62.5 93.7
154 128.7 73.0 109.4#

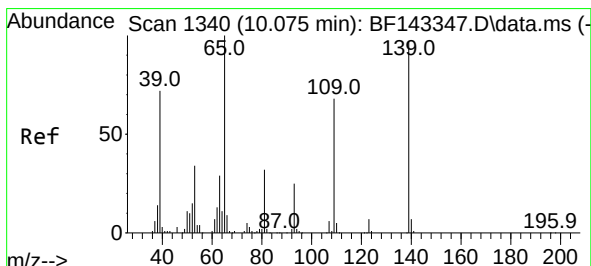
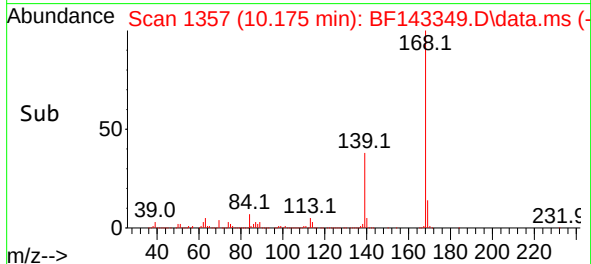
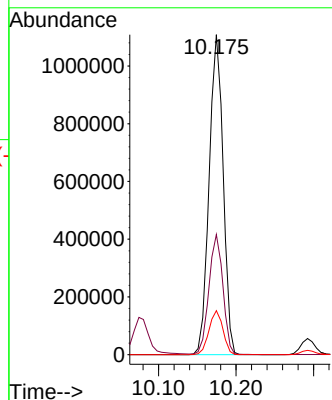
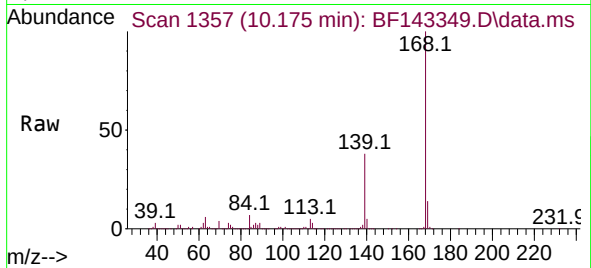




#55
Dibenzofuran
Concen: 56.379 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

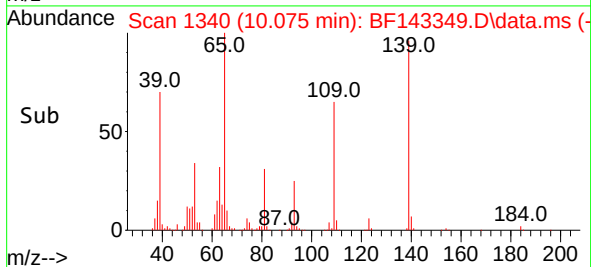
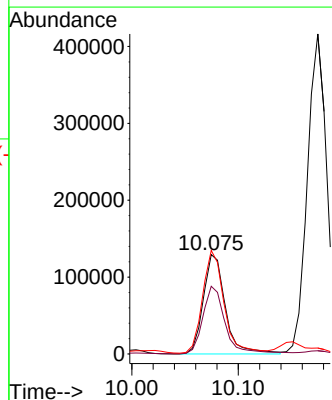
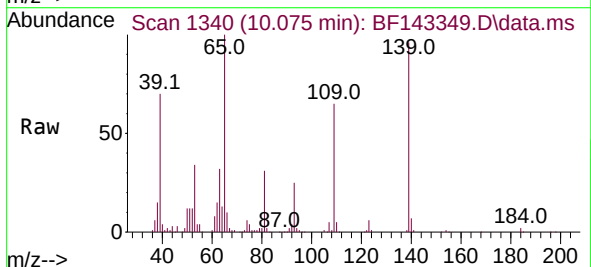
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

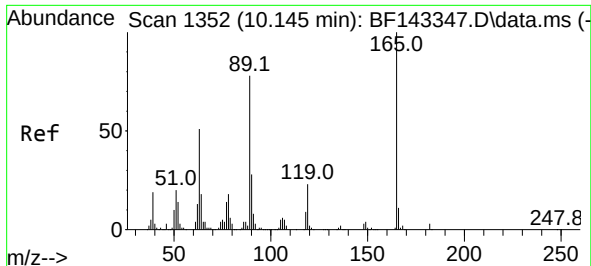
Tgt Ion:168 Resp: 1389556
Ion Ratio Lower Upper
168 100
139 37.6 29.4 44.0
169 13.8 11.0 16.6



#56
4-Nitrophenol
Concen: 62.130 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

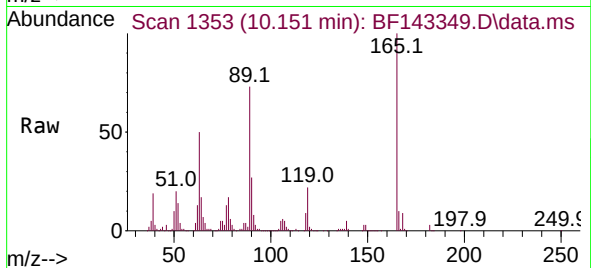
Tgt Ion:139 Resp: 186307
Ion Ratio Lower Upper
139 100
109 68.0 49.4 89.4
65 104.1 83.7 123.7



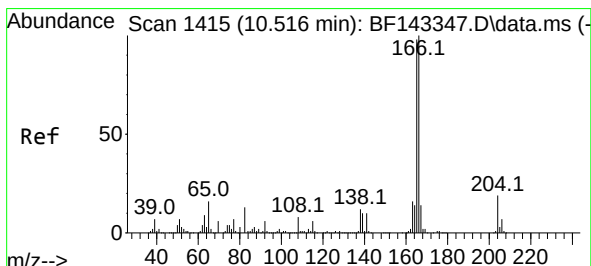
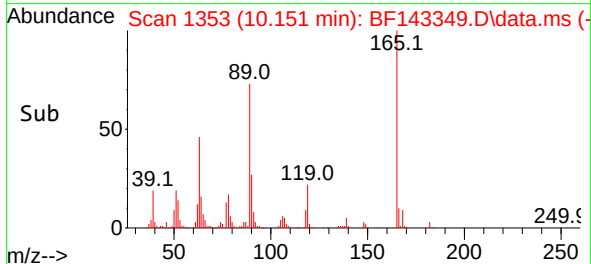
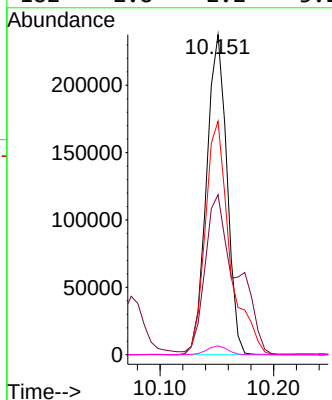


#57
2,4-Dinitrotoluene
Concen: 61.944 ng
RT: 10.151 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

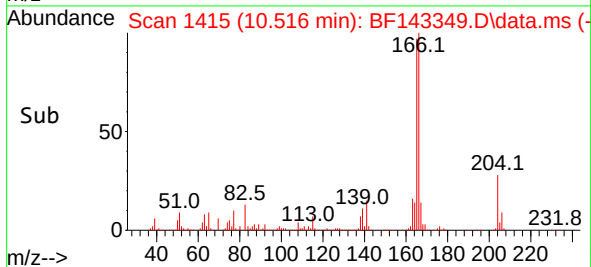
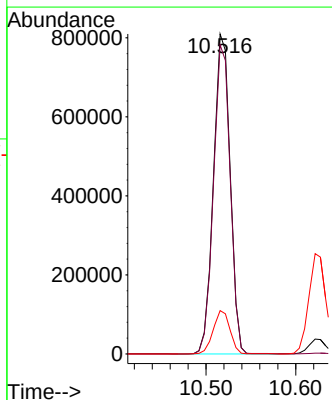
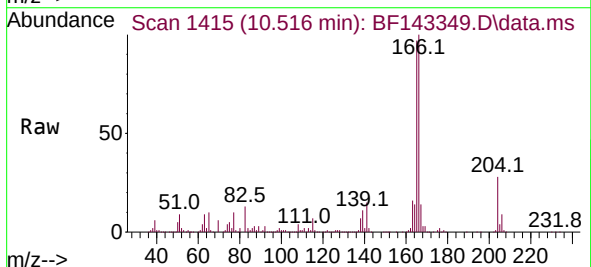


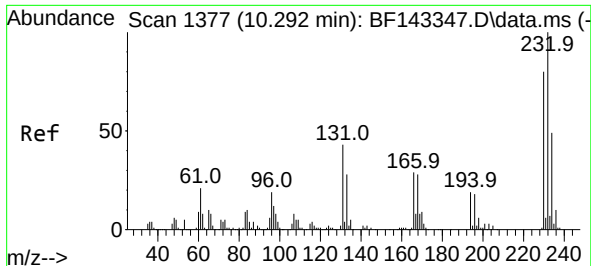
Tgt Ion:165 Resp: 295520
Ion Ratio Lower Upper
165 100
63 50.0 41.8 62.8
89 73.0 62.4 93.6
182 2.8 2.2 3.2



#58
Fluorene
Concen: 55.570 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

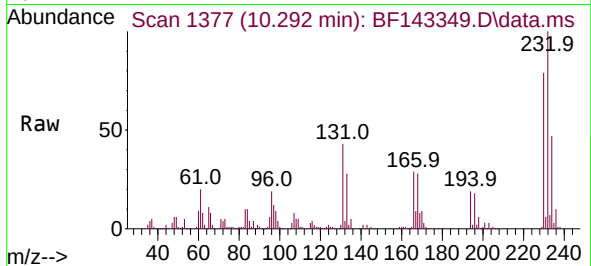
Tgt Ion:166 Resp: 1046138
Ion Ratio Lower Upper
166 100
165 96.6 78.2 117.4
167 13.6 10.9 16.3



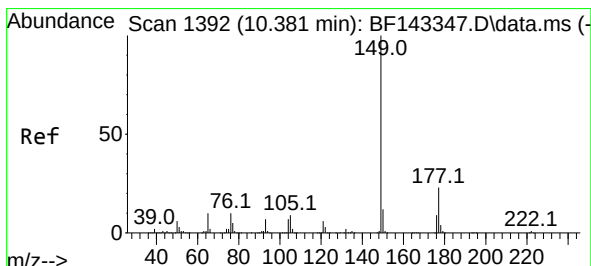
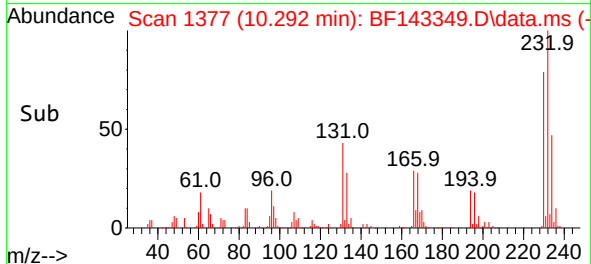
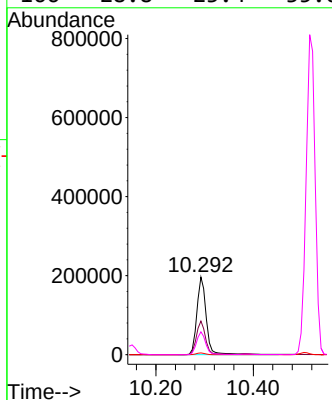


#59
2,3,4,6-Tetrachlorophenol
Concen: 70.050 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

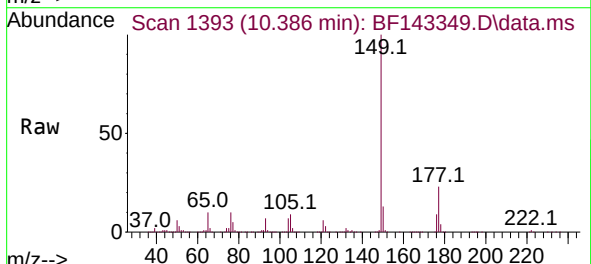
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



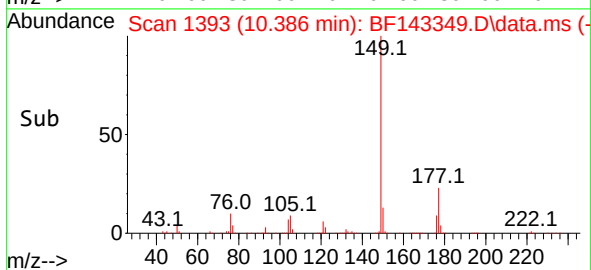
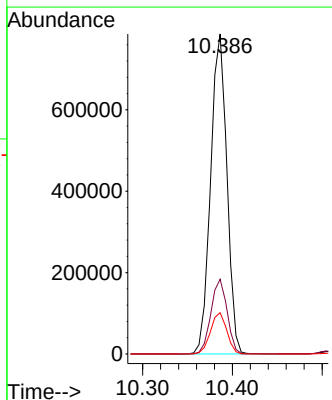
Tgt Ion:232 Resp: 265201
Ion Ratio Lower Upper
232 100
131 42.0 34.6 51.8
130 2.1 1.7 2.5
166 28.8 23.4 35.0

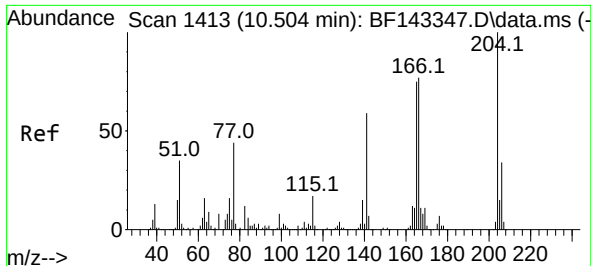


#60
Diethylphthalate
Concen: 59.094 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07



Tgt Ion:149 Resp: 990716
Ion Ratio Lower Upper
149 100
177 23.4 18.2 27.2
150 12.9 9.9 14.9

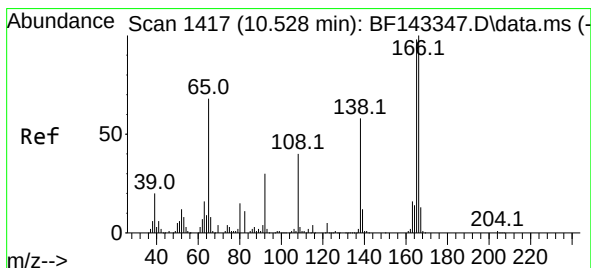
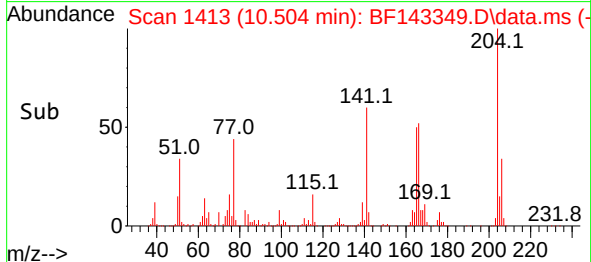
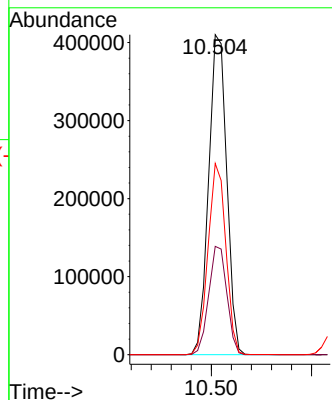
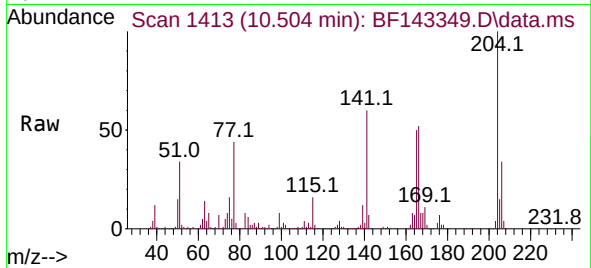




#61
4-Chlorophenyl-phenylether
Concen: 56.664 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

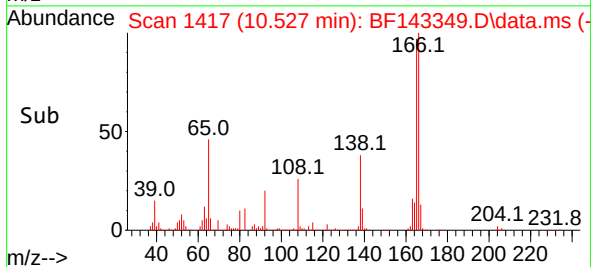
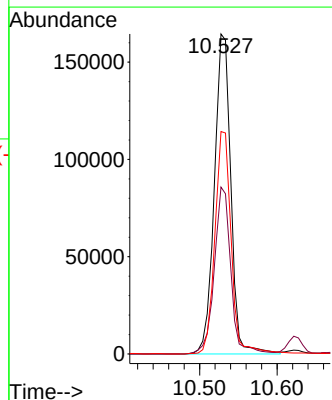
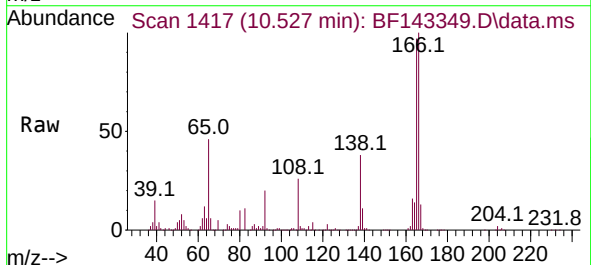
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

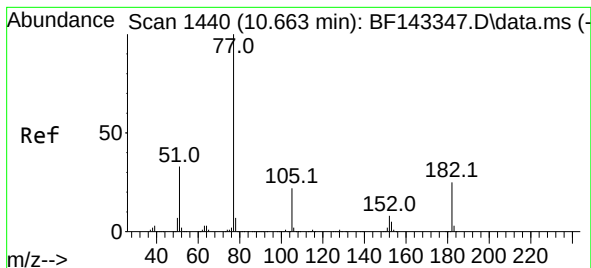
Tgt Ion:204 Resp: 515436
Ion Ratio Lower Upper
204 100
206 33.8 27.4 41.2
141 59.8 46.9 70.3



#62
4-Nitroaniline
Concen: 65.508 ng
RT: 10.527 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:138 Resp: 242938
Ion Ratio Lower Upper
138 100
92 52.2 31.2 71.2
108 69.5 48.1 88.1



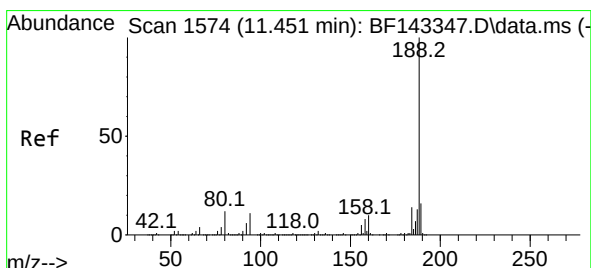
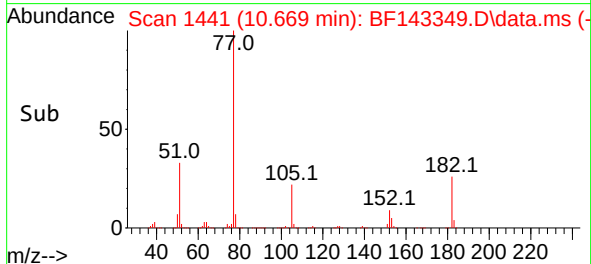
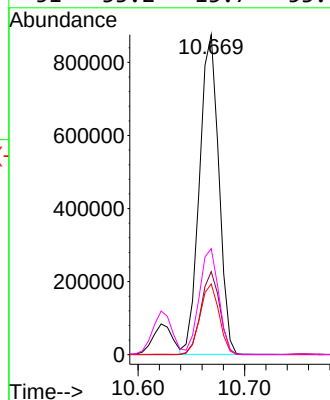
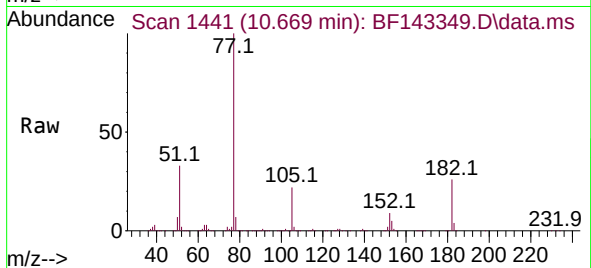


#63
Azobenzene
Concen: 57.669 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1104323

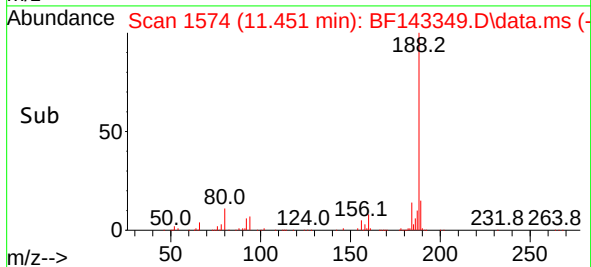
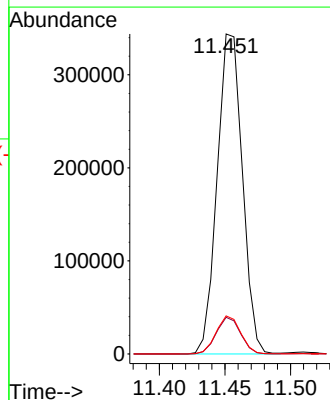
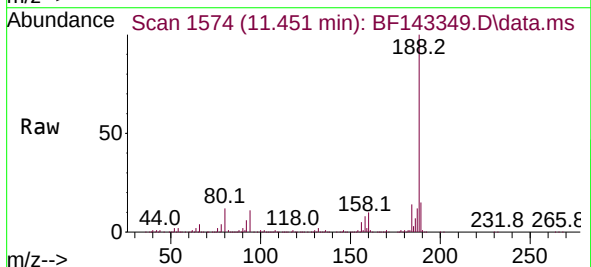
Ion	Ratio	Lower	Upper
77	100		
182	26.0	4.4	44.4
105	22.1	1.8	41.8
51	33.2	13.7	53.7

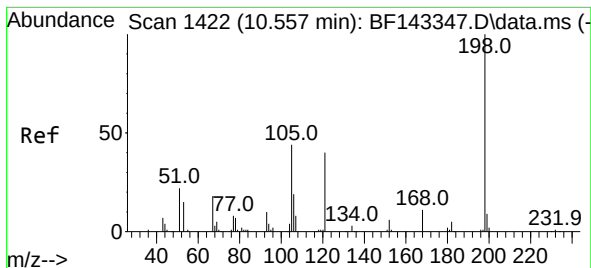


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 188 Resp: 460173

Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.8	13.2
80	11.9	9.7	14.5

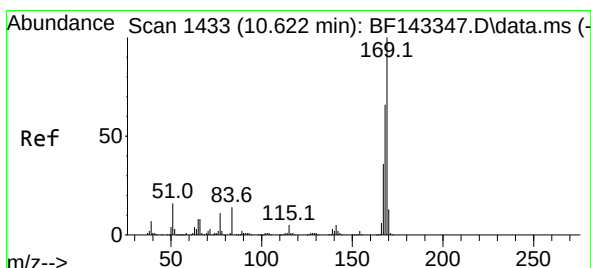
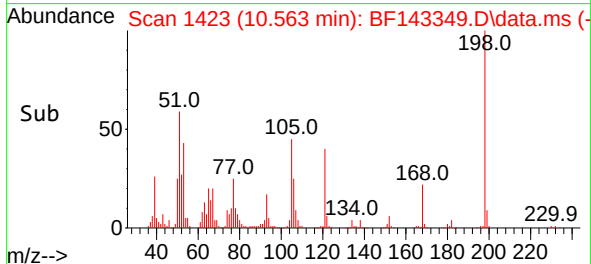
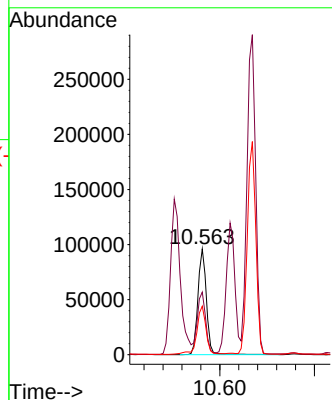
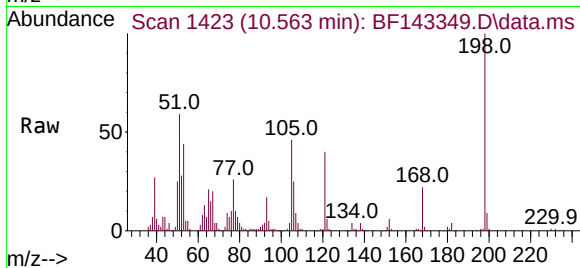




#65
4,6-Dinitro-2-methylphenol
Concen: 61.844 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

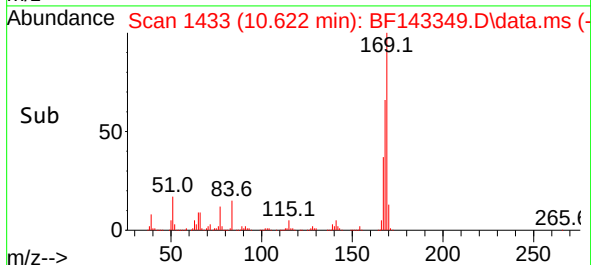
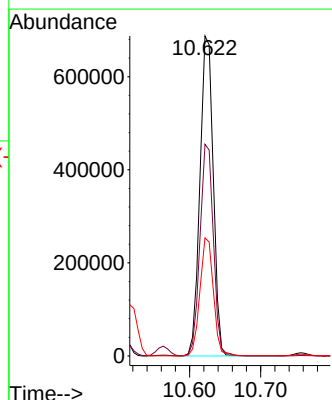
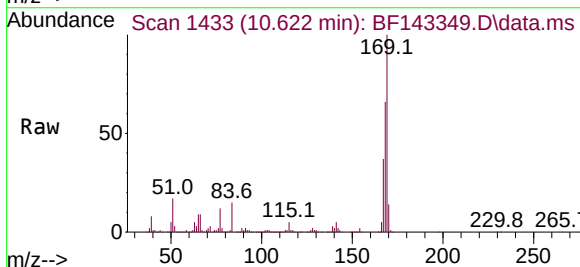
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

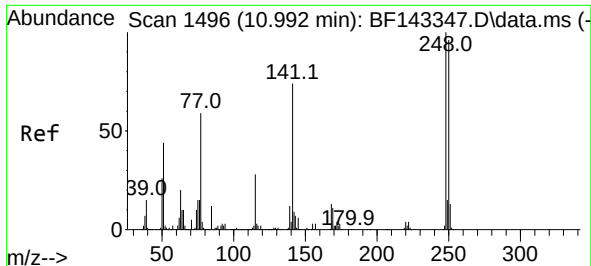
Tgt Ion:198 Resp: 119734
Ion Ratio Lower Upper
198 100
51 59.2 41.7 81.7
105 45.8 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 59.328 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:169 Resp: 898967
Ion Ratio Lower Upper
169 100
168 66.2 52.7 79.1
167 36.9 28.6 42.8

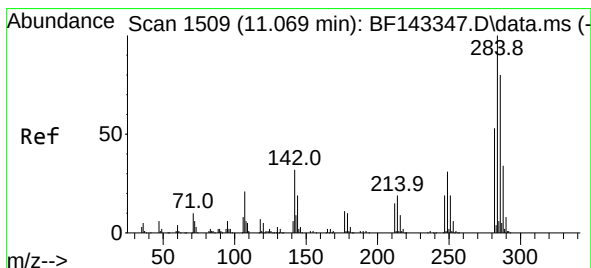
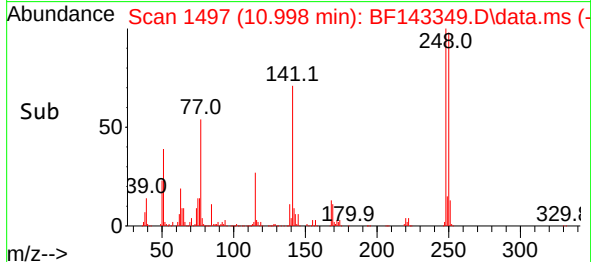
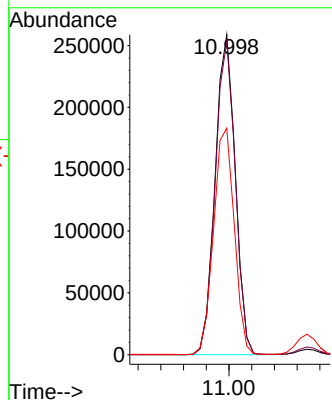
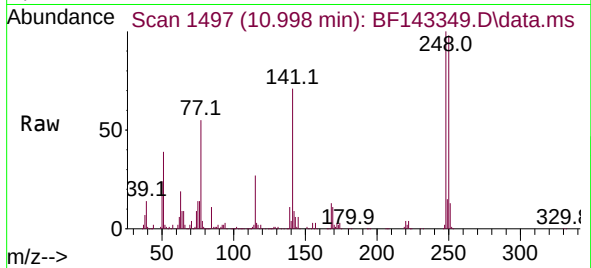




#67
4-Bromophenyl-phenylether
Concen: 60.555 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

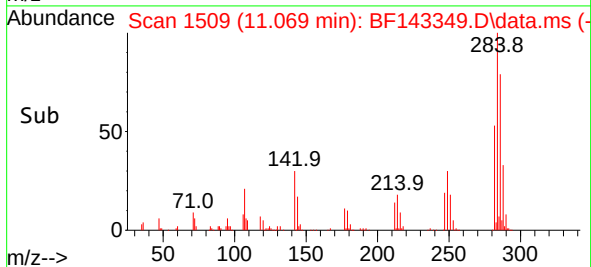
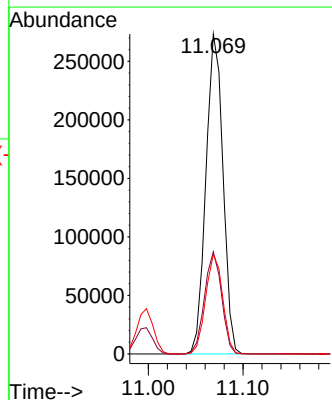
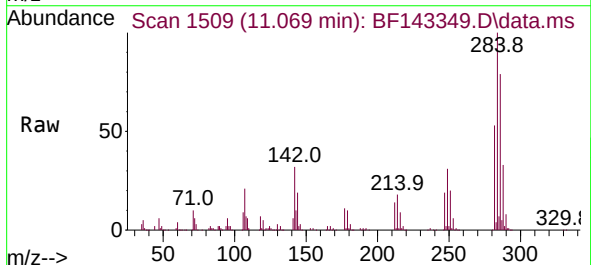
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

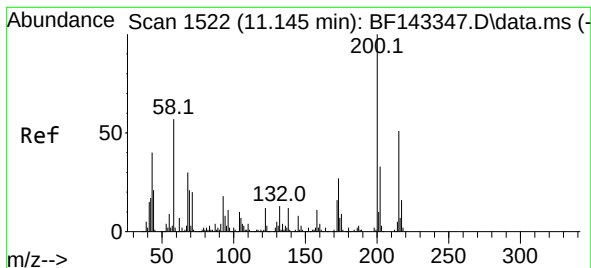
Tgt Ion:248 Resp: 318696
Ion Ratio Lower Upper
248 100
250 98.0 77.1 115.7
141 70.8 59.1 88.7



#68
Hexachlorobenzene
Concen: 60.282 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:284 Resp: 341976
Ion Ratio Lower Upper
284 100
142 32.0 25.7 38.5
249 31.1 24.6 37.0





#69

Atrazine

Concen: 63.410 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

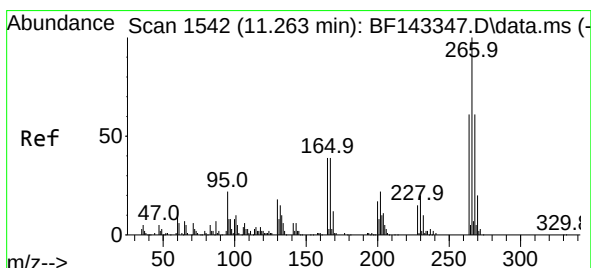
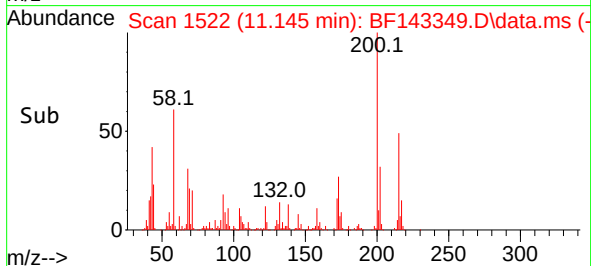
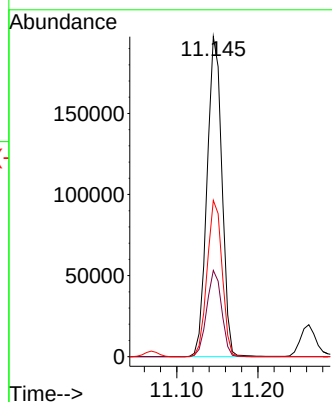
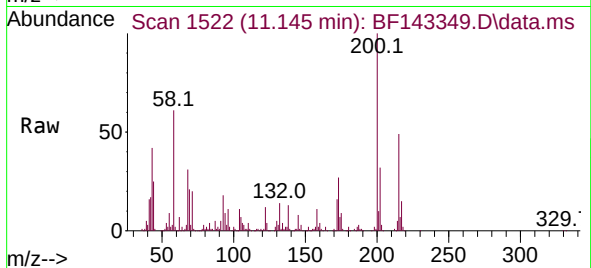
Tgt Ion:200 Resp: 250602

Ion Ratio Lower Upper

200 100

173 27.0 6.6 46.6

215 48.9 30.6 70.6



#70

Pentachlorophenol

Concen: 61.169 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

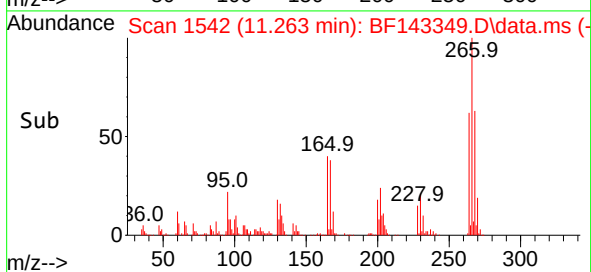
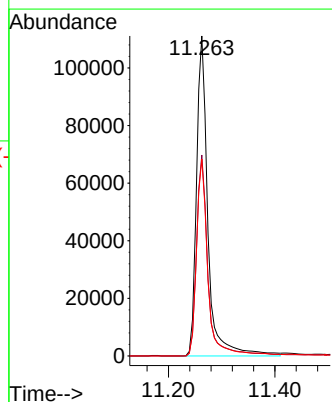
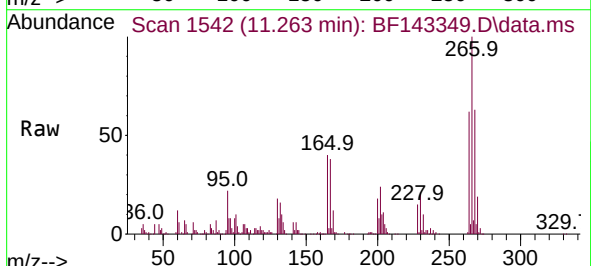
Tgt Ion:266 Resp: 165675

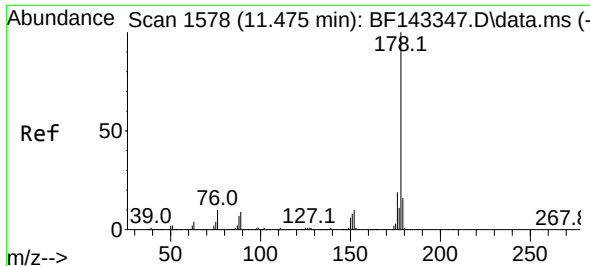
Ion Ratio Lower Upper

266 100

268 62.8 48.8 73.2

264 61.5 48.8 73.2

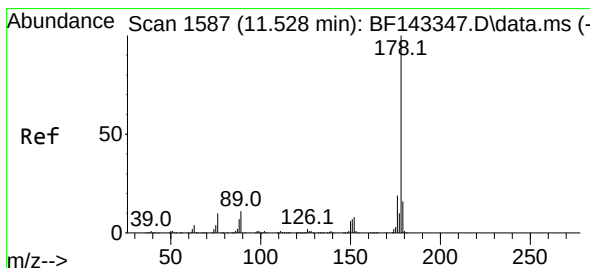
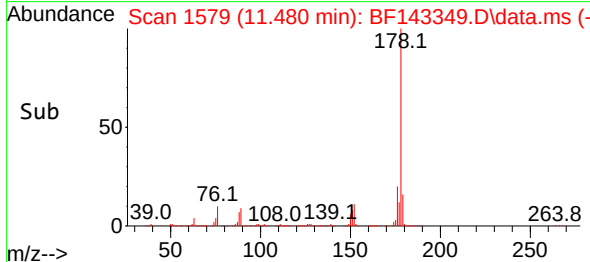
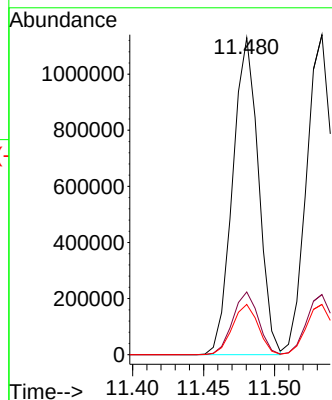
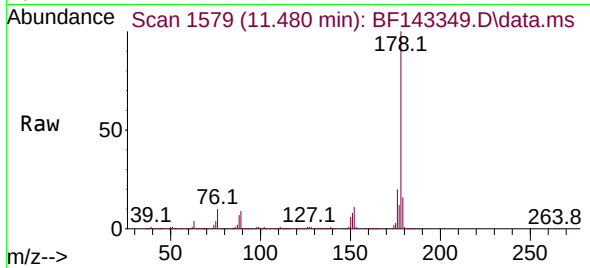




#71
Phenanthrene
Concen: 56.831 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

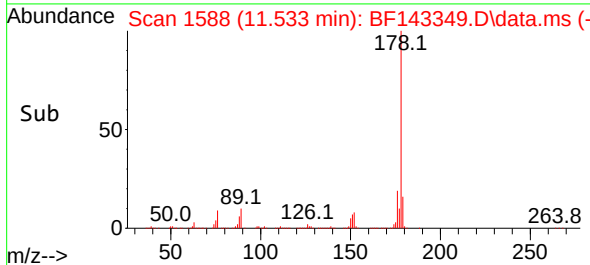
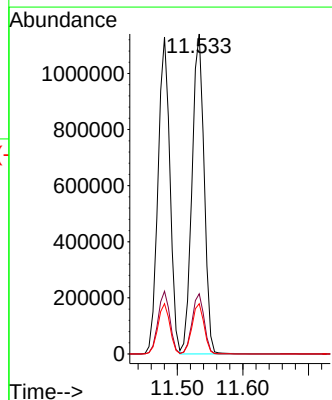
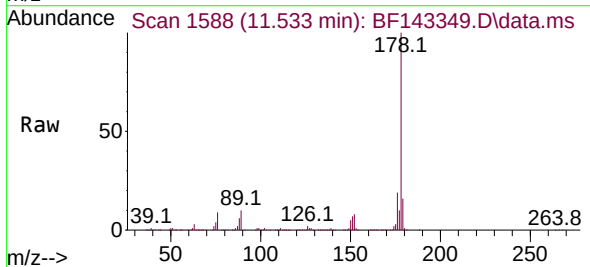
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

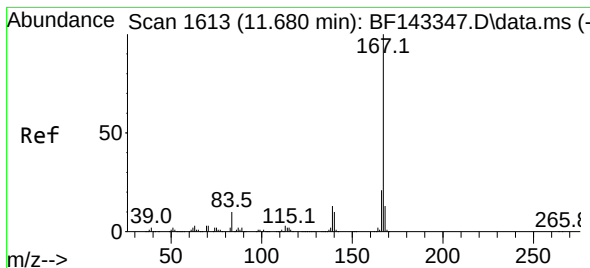
Tgt Ion:178 Resp: 1426848
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.9 12.5 18.7



#72
Anthracene
Concen: 57.330 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:178 Resp: 1459751
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.7 12.7 19.1





#73

Carbazole

Concen: 56.857 ng

RT: 11.680 min Scan# 1613

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

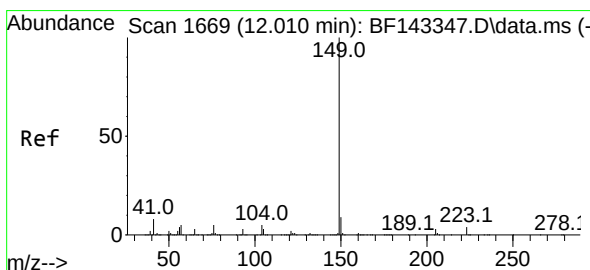
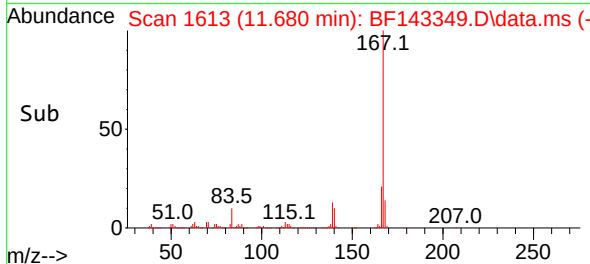
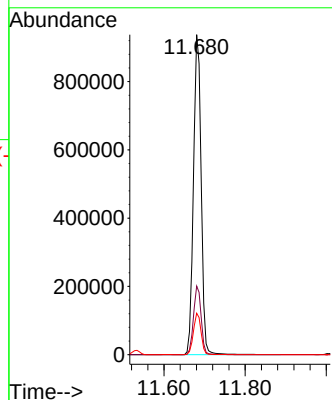
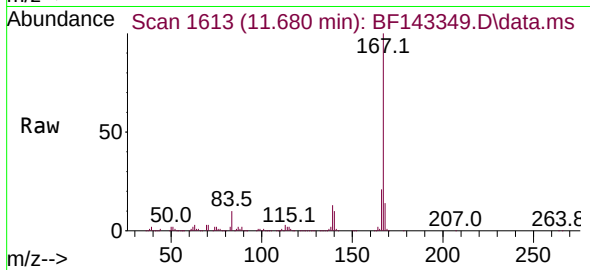
Tgt Ion:167 Resp: 1232939

Ion Ratio Lower Upper

167 100

166 21.5 16.8 25.2

139 13.0 10.2 15.2



#74

Di-n-butylphthalate

Concen: 61.437 ng

RT: 12.010 min Scan# 1669

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

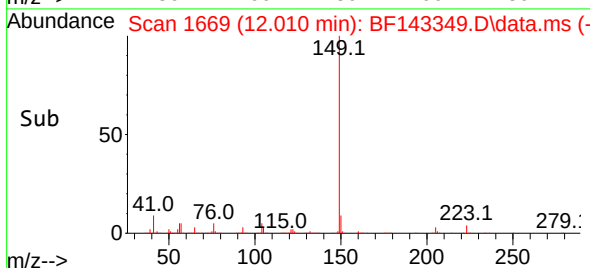
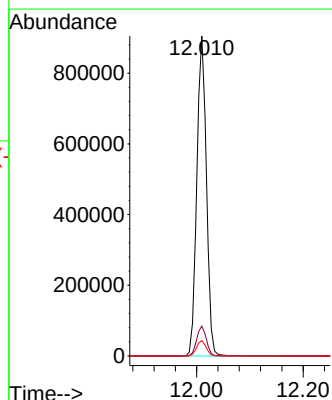
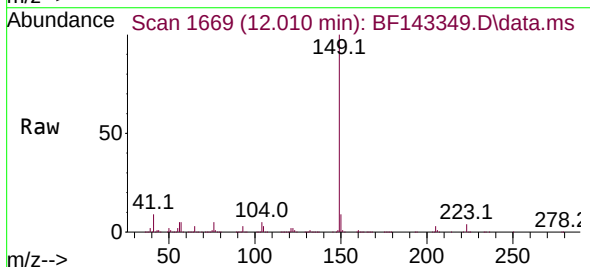
Tgt Ion:149 Resp: 1127365

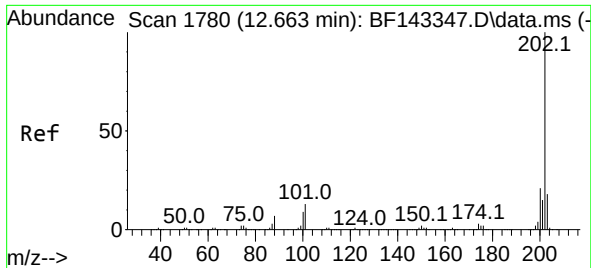
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 4.8 3.8 5.8

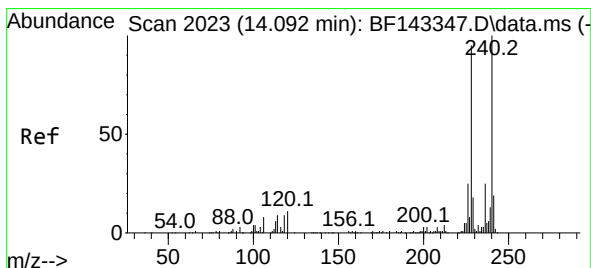
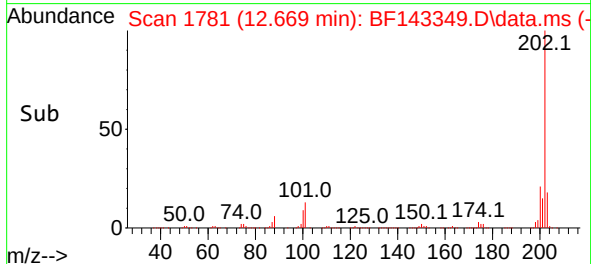
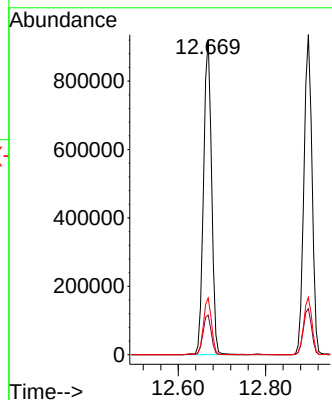
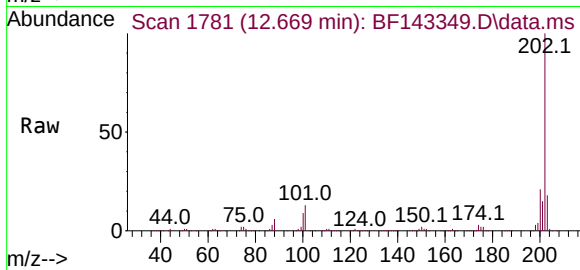




#75
Fluoranthene
Concen: 53.737 ng
RT: 12.669 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

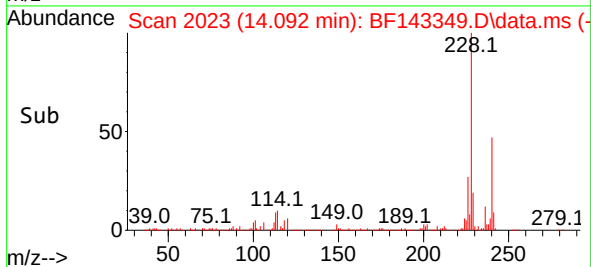
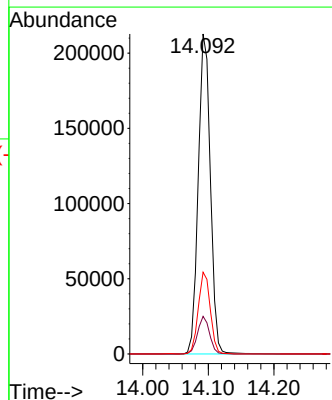
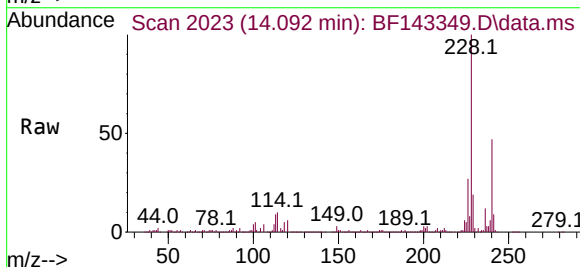
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

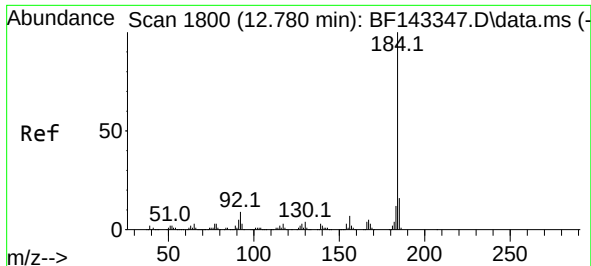
Tgt Ion:202 Resp: 1181812
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

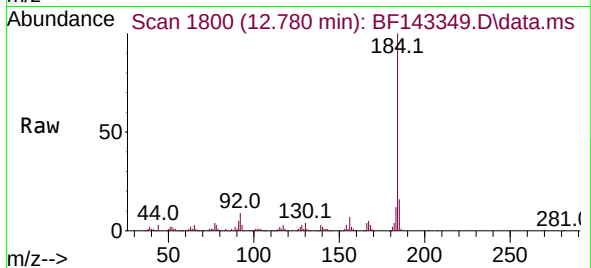
Tgt Ion:240 Resp: 273246
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.6
236 25.6 19.9 29.9



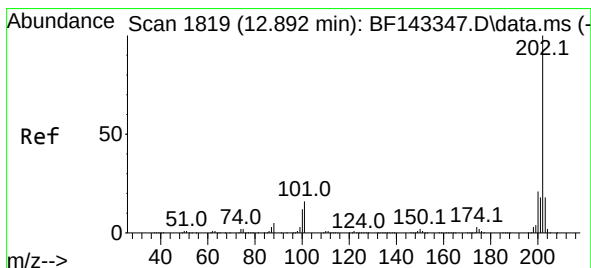
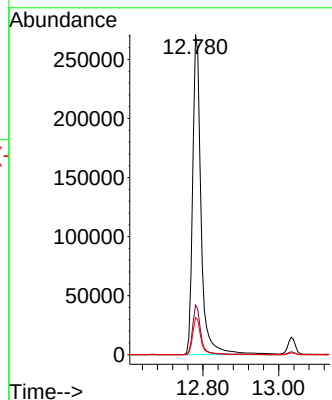
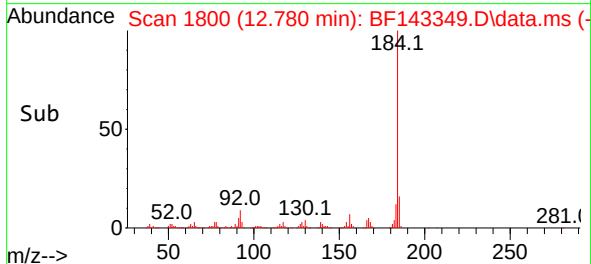


#77
Benzidine
Concen: 56.115 ng
RT: 12.780 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

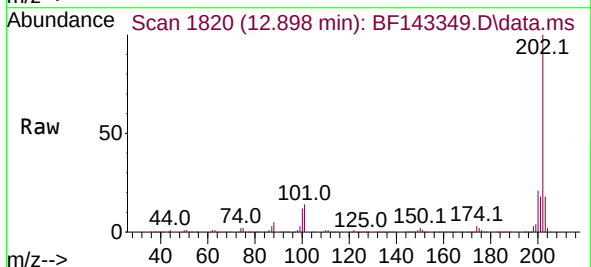
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



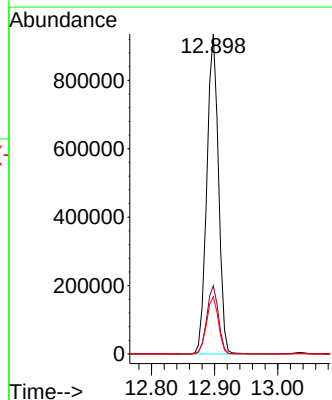
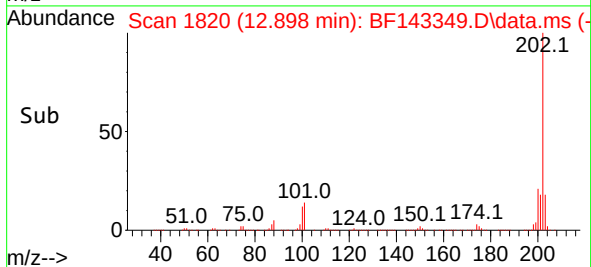
Tgt Ion:184 Resp: 419198
Ion Ratio Lower Upper
184 100
185 15.5 12.8 19.2
183 11.5 9.3 13.9

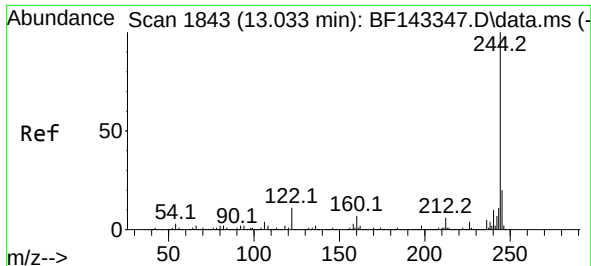


#78
Pyrene
Concen: 52.212 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07



Tgt Ion:202 Resp: 1196849
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.9 14.2 21.4

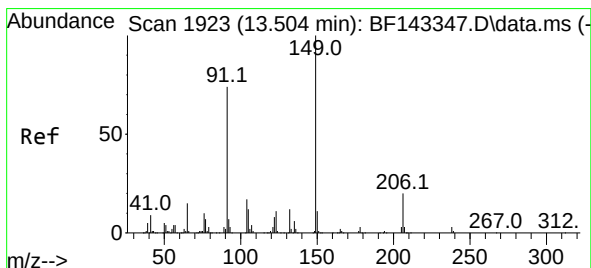
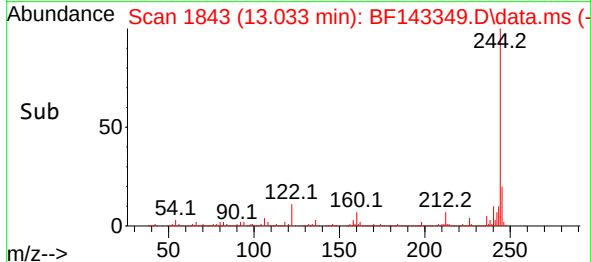
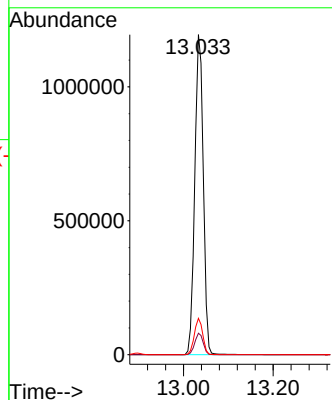
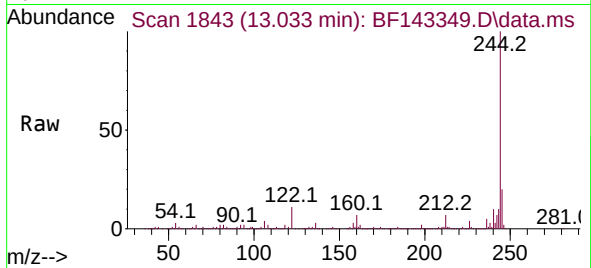




#79
 Terphenyl-d14
 Concen: 102.507 ng
 RT: 13.033 min Scan# 1843
 Delta R.T. -0.000 min
 Lab File: BF143349.D
 Acq: 12 Aug 2025 12:07

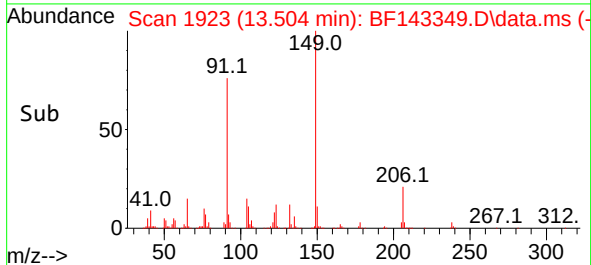
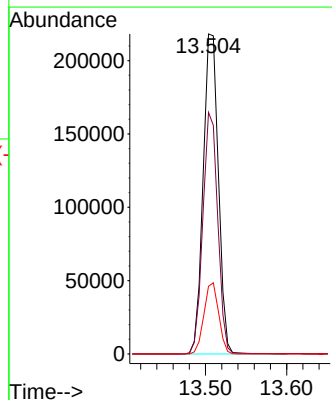
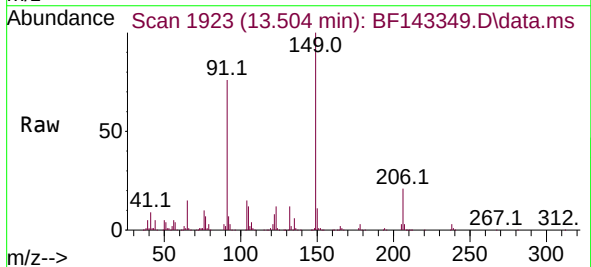
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

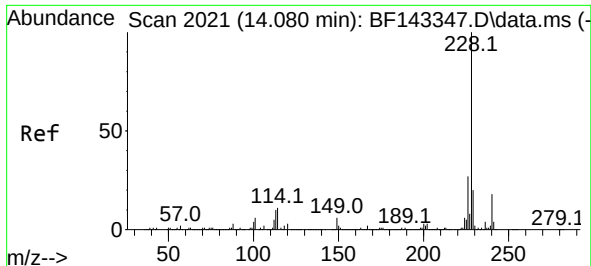
Tgt Ion:244 Resp: 1568868
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 11.3 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 61.669 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BF143349.D
 Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 283998
 Ion Ratio Lower Upper
 149 100
 91 75.5 58.8 88.2
 206 21.2 16.4 24.6

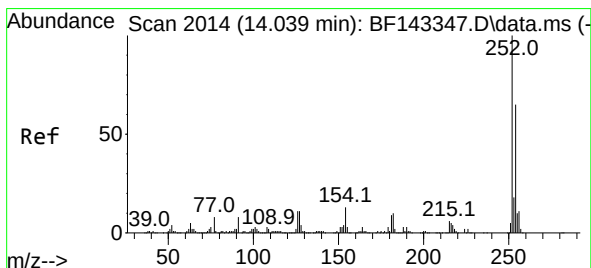
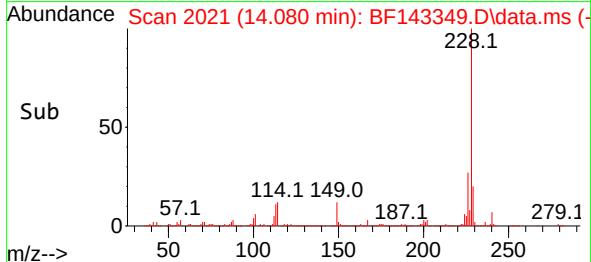
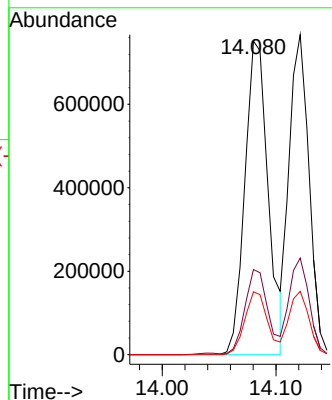
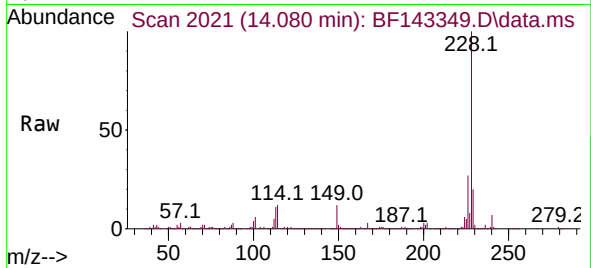




#81
Benzo(a)anthracene
Concen: 61.763 ng
RT: 14.080 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

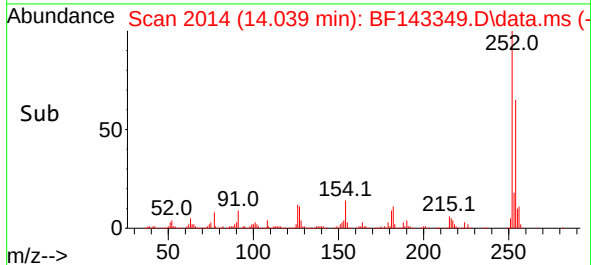
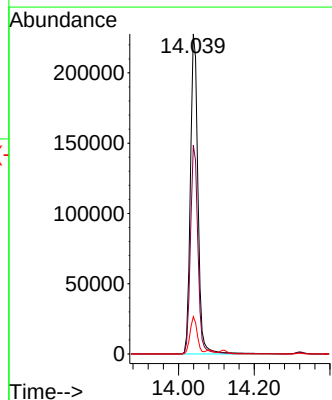
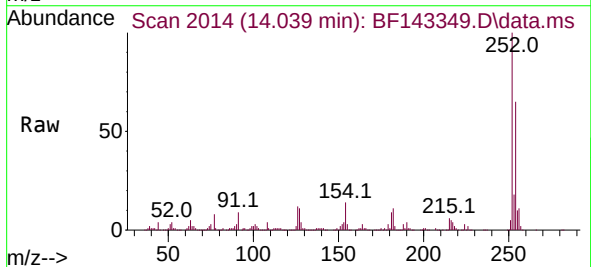
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

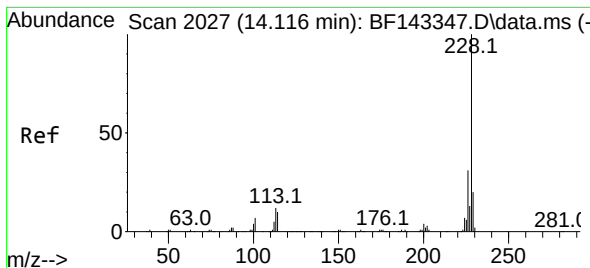
Tgt Ion:228 Resp: 1072649
Ion Ratio Lower Upper
228 100
226 27.2 22.0 33.0
229 20.1 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 66.762 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:252 Resp: 313084
Ion Ratio Lower Upper
252 100
254 65.2 51.7 77.5
126 11.7 9.2 13.8





#83

Chrysene

Concen: 57.863 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

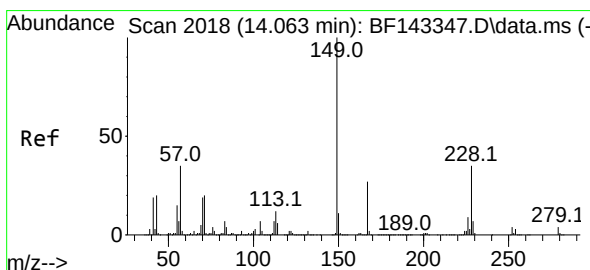
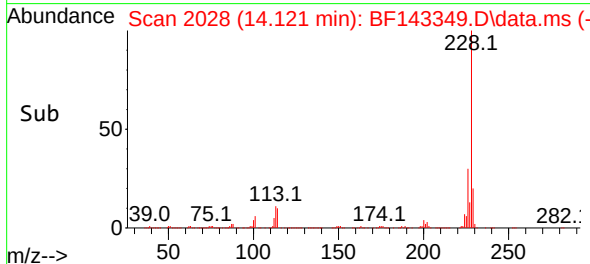
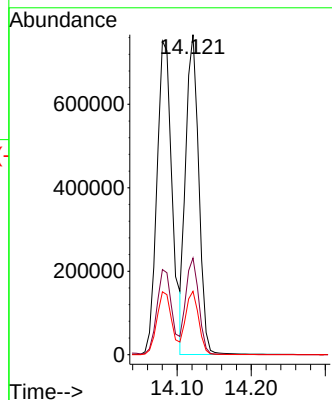
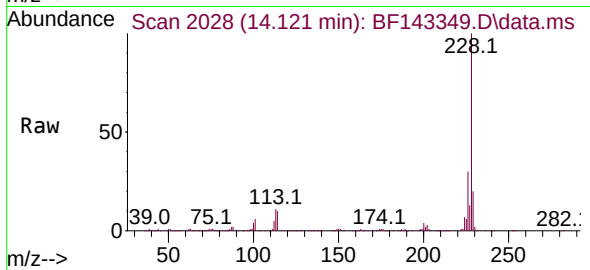
Tgt Ion:228 Resp: 937047

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.688 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.005 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

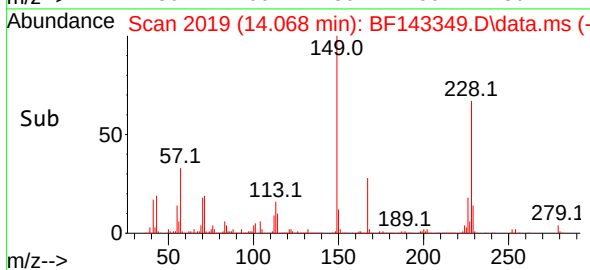
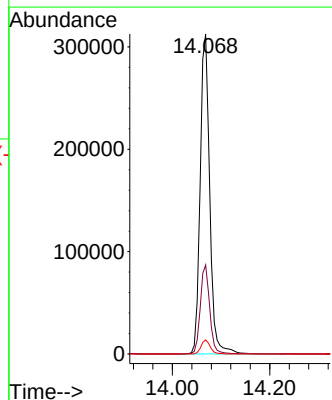
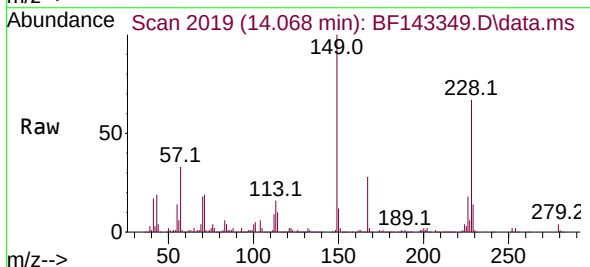
Tgt Ion:149 Resp: 426553

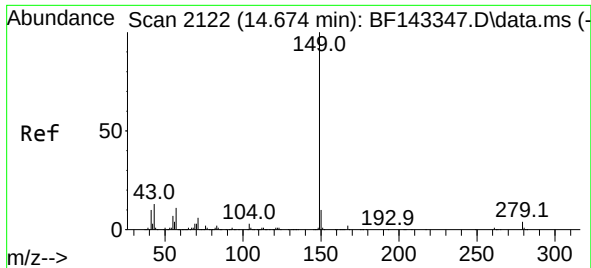
Ion Ratio Lower Upper

149 100

167 27.8 21.4 32.0

279 4.4 3.2 4.8

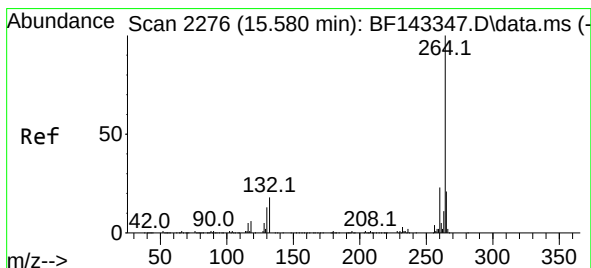
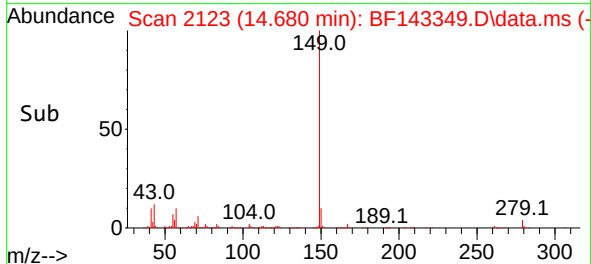
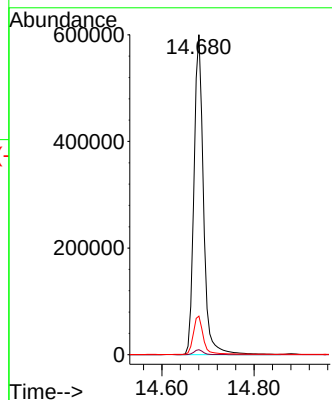
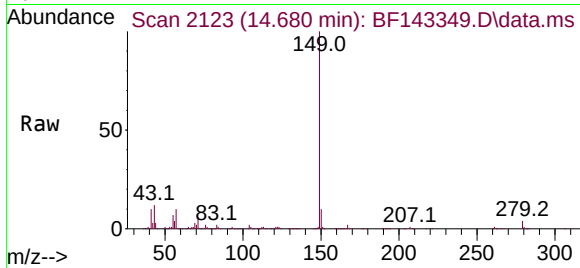




#85
Di-n-octyl phthalate
Concen: 62.516 ng
RT: 14.680 min Scan# 2122
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

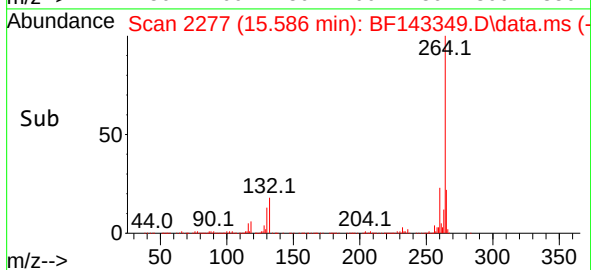
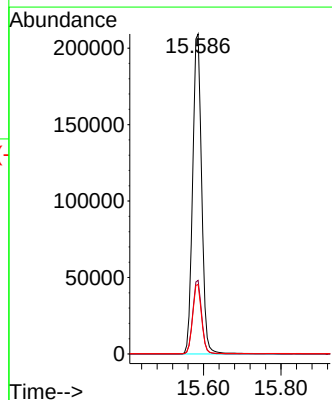
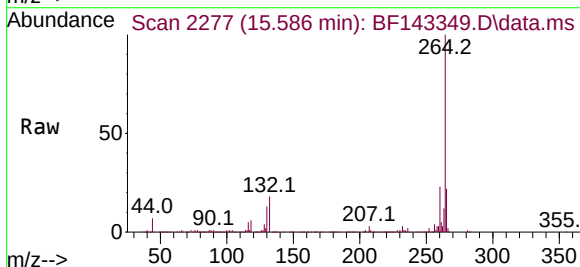
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

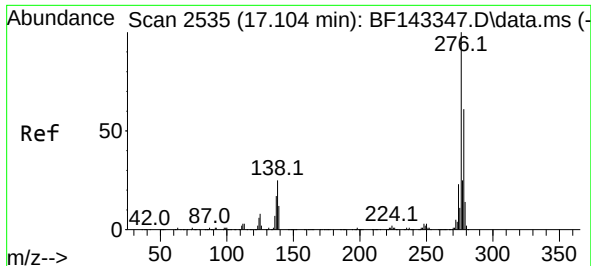
Tgt Ion:149 Resp: 856960
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.9 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:264 Resp: 337675
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.7 17.2 25.8

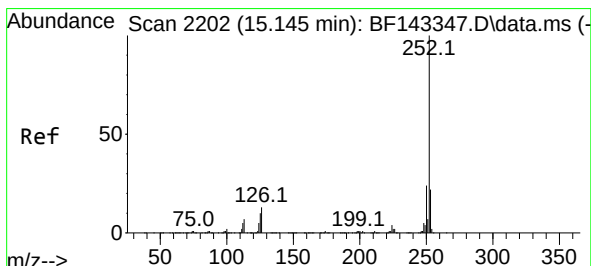
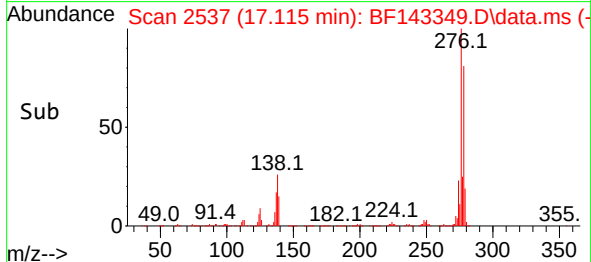
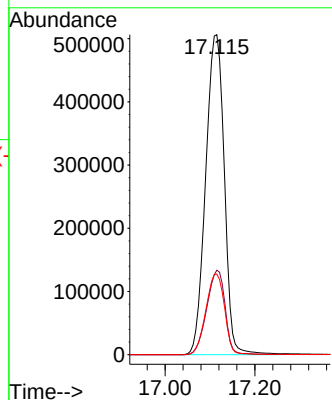
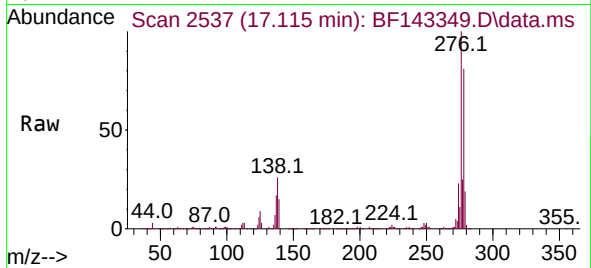




#87
Indeno(1,2,3-cd)pyrene
Concen: 60.440 ng
RT: 17.115 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

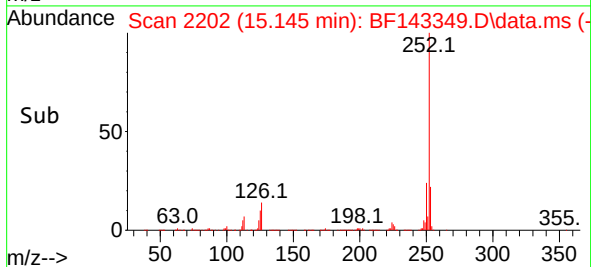
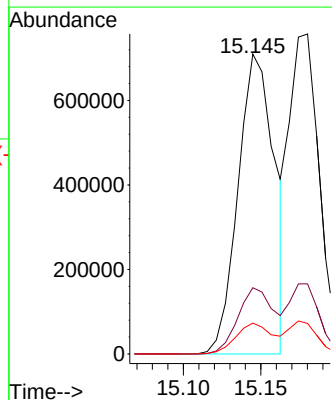
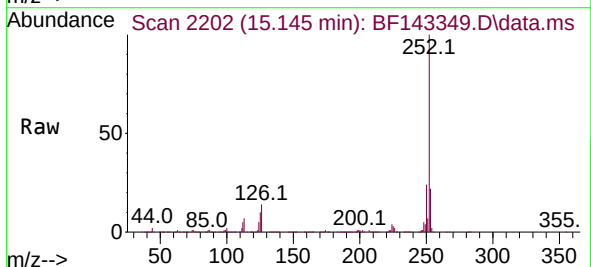
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

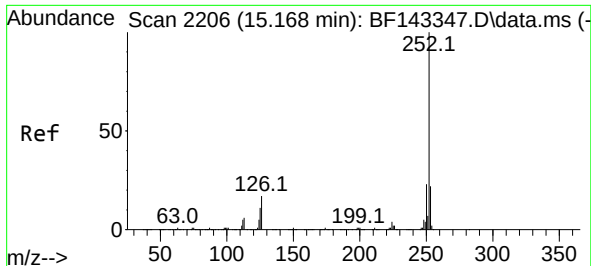
Tgt Ion:276 Resp: 1462168
Ion Ratio Lower Upper
276 100
138 26.0 21.1 31.7
277 25.2 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 62.905 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:252 Resp: 1161807
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 10.3 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 57.673 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

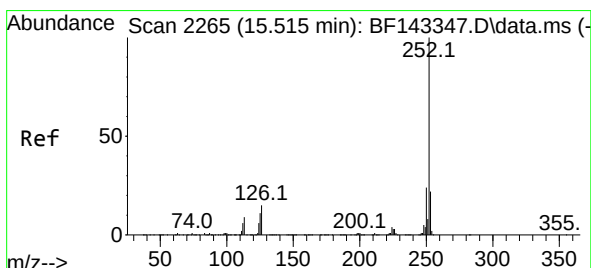
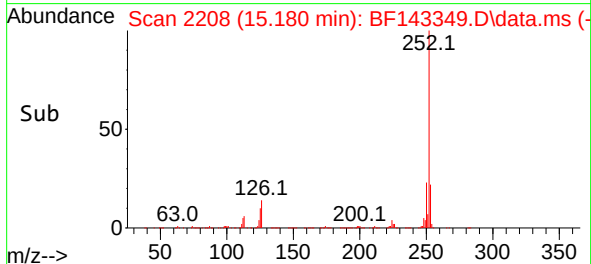
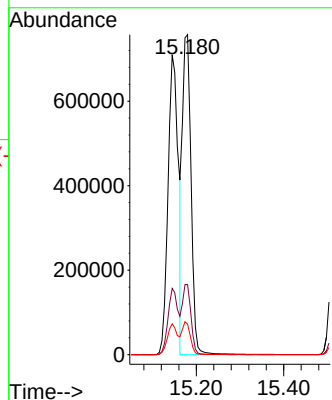
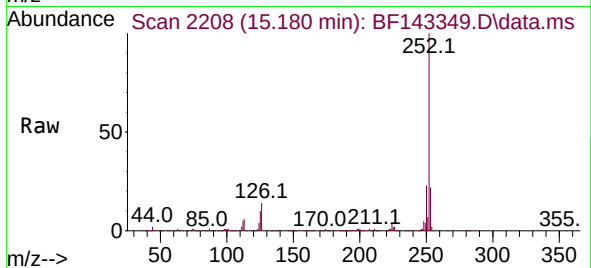
Tgt Ion:252 Resp: 1035022

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 9.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 60.510 ng

RT: 15.521 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

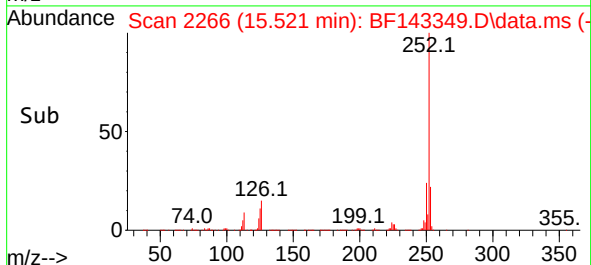
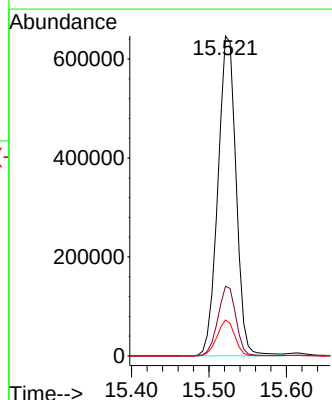
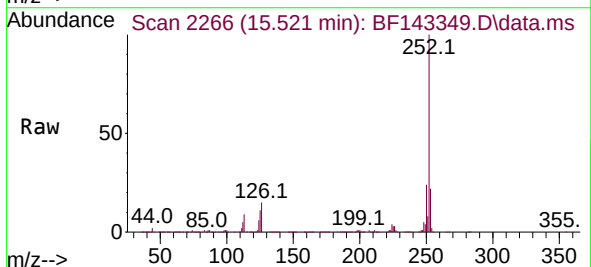
Tgt Ion:252 Resp: 1052580

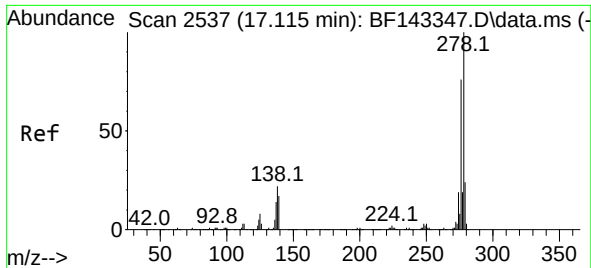
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 11.3 9.1 13.7

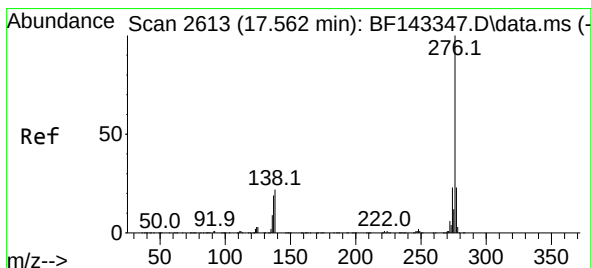
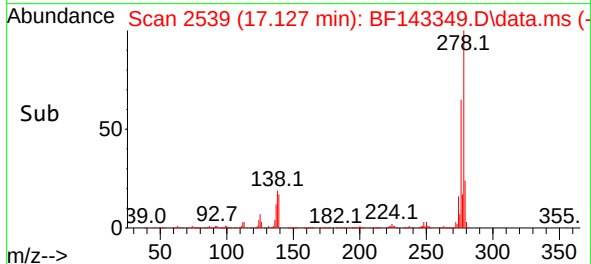
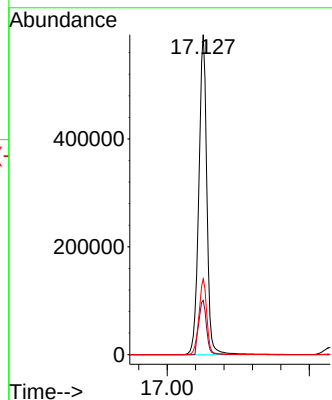
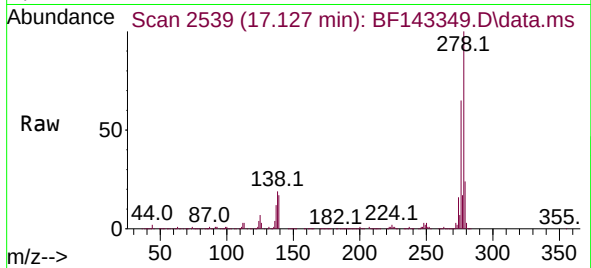




#91
Dibenzo(a,h)anthracene
Concen: 60.556 ng
RT: 17.127 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

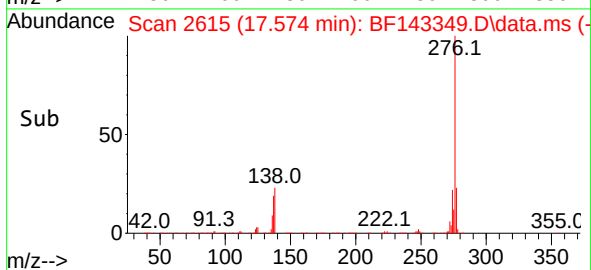
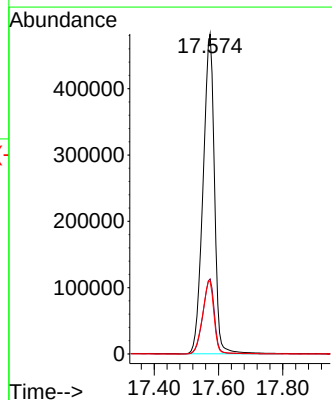
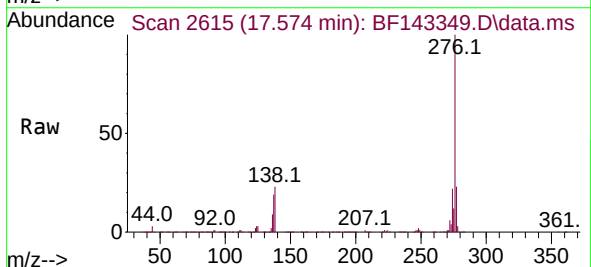
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1170363
Ion Ratio Lower Upper
278 100
139 16.9 14.0 21.0
279 23.7 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 60.761 ng
RT: 17.574 min Scan# 2615
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:276 Resp: 1182985
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 22.7 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143350.D
 Acq On : 12 Aug 2025 12:38
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 12 13:21:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	161665	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	625065	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	322984	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	448378	20.000	ng	0.00
76) Chrysene-d12	14.098	240	287871	20.000	ng	0.00
86) Perylene-d12	15.586	264	348017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1409194	150.735	ng	0.00
7) Phenol-d6	6.569	99	1792088	149.482	ng	0.00
23) Nitrobenzene-d5	7.498	82	1619091	161.306	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	411864	174.486	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	2457872	129.045	ng	0.00
79) Terphenyl-d14	13.039	244	1935761	120.053	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.757	88	379076	78.360	ng	99
3) Pyridine	3.534	79	1042960	80.904	ng	98
4) n-Nitrosodimethylamine	3.493	42	494211	82.300	ng	99
6) Aniline	6.598	93	1263279	74.743	ng	95
8) 2-Chlorophenol	6.722	128	793255	79.409	ng	98
10) Phenol	6.586	94	1037512	73.052	ng	76
11) bis(2-Chloroethyl)ether	6.669	93	798392	76.275	ng	100
12) 1,3-Dichlorobenzene	6.875	146	830769	72.101	ng	98
13) 1,4-Dichlorobenzene	6.951	146	837059	72.382	ng	99
14) 1,2-Dichlorobenzene	7.104	146	806180	73.439	ng	100
15) Benzyl Alcohol	7.075	79	697448	81.158	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	1335184	71.450	ng	98
17) 2-Methylphenol	7.186	107	654221	77.585	ng	98
18) Hexachloroethane	7.445	117	286839	79.115	ng	99
19) n-Nitroso-di-n-propyla...	7.351	70	541387	73.083	ng	98
20) 3+4-Methylphenols	7.339	107	727332	71.322	ng	93
22) Acetophenone	7.345	105	952975	69.195	ng	97
24) Nitrobenzene	7.516	77	868093	79.634	ng	99
25) Isophorone	7.757	82	1574935	76.861	ng	99
26) 2-Nitrophenol	7.828	139	376225	83.229	ng	99
27) 2,4-Dimethylphenol	7.869	122	667248	78.052	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	921854	73.686	ng	99
29) 2,4-Dichlorophenol	8.075	162	654545	78.392	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	649172	73.707	ng	99
31) Naphthalene	8.239	128	2098892	69.783	ng	99
32) Benzoic acid	8.004	122	354618	78.960	ng	99
33) 4-Chloroaniline	8.280	127	816103	75.228	ng	99
34) Hexachlorobutadiene	8.357	225	403199	73.592	ng	100
35) Caprolactam	8.669	113	197571	84.172	ng	97
36) 4-Chloro-3-methylphenol	8.769	107	674001	77.000	ng	98
37) 2-Methylnaphthalene	8.927	142	1370352	69.303	ng	99
38) 1-Methylnaphthalene	9.027	142	1328881	69.780	ng	100
40) 1,2,4,5-Tetrachloroben...	9.098	216	644623	72.936	ng	100
41) Hexachlorocyclopentadiene	9.086	237	259048	82.835	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	437022	87.149	ng	100
44) 2,4,5-Trichlorophenol	9.251	196	466807	82.433	ng	99

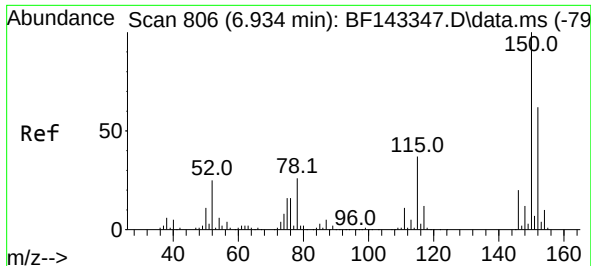
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 Acq On : 12 Aug 2025 12:38
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 12 13:21:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

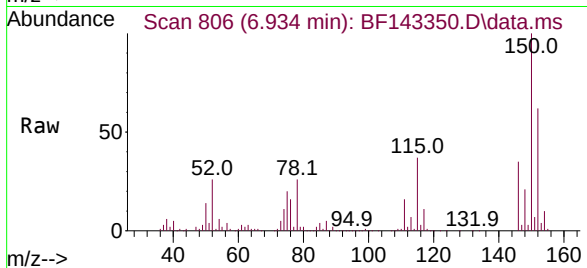
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.392	154	1580379	69.203	ng	99
47) 2-Chloronaphthalene	9.416	162	1295723	72.042	ng	99
48) 2-Nitroaniline	9.510	65	426490	80.247	ng	98
49) Acenaphthylene	9.833	152	1865988	71.842	ng	100
50) Dimethylphthalate	9.686	163	1425124	75.513	ng	100
51) 2,6-Dinitrotoluene	9.751	165	294018	80.211	ng	95
52) Acenaphthene	10.004	154	1221046	70.714	ng	99
53) 3-Nitroaniline	9.922	138	343541	88.887	ng	98
54) 2,4-Dinitrophenol	10.027	184	118753	79.041	ng #	84
55) Dibenzofuran	10.174	168	1738835	69.969	ng	98
56) 4-Nitrophenol	10.080	139	245374	79.477	ng	97
57) 2,4-Dinitrotoluene	10.151	165	383533	78.864	ng	97
58) Fluorene	10.522	166	1273759	67.103	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	349157	91.466	ng	98
60) Diethylphthalate	10.386	149	1258798	74.465	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	643793	70.191	ng	98
62) 4-Nitroaniline	10.533	138	312667	83.616	ng	98
63) Azobenzene	10.669	77	1376109	71.269	ng	98
65) 4,6-Dinitro-2-methylph...	10.569	198	162929	83.490	ng	93
66) n-Nitrosodiphenylamine	10.627	169	1124872	76.190	ng	100
67) 4-Bromophenyl-phenylether	10.998	248	405148	79.007	ng	97
68) Hexachlorobenzene	11.074	284	431148	78.001	ng	96
69) Atrazine	11.151	200	309748	80.438	ng	99
70) Pentachlorophenol	11.263	266	218250	80.616	ng	97
71) Phenanthrene	11.480	178	1745493	71.351	ng	99
72) Anthracene	11.533	178	1758274	70.871	ng	100
73) Carbazole	11.686	167	1479652	70.029	ng	99
74) Di-n-butylphthalate	12.010	149	1398975	78.244	ng	100
75) Fluoranthene	12.668	202	1470742	68.634	ng	99
77) Benzidine	12.786	184	500314	63.571	ng	98
78) Pyrene	12.898	202	1513789	62.684	ng	99
80) Butylbenzylphthalate	13.510	149	413801	84.007	ng	98
81) Benzo(a)anthracene	14.086	228	1387766	75.847	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	412736	83.540	ng	99
83) Chrysene	14.121	228	1263816	74.077	ng	98
84) Bis(2-ethylhexyl)phtha...	14.068	149	611031	83.803	ng	98
85) Di-n-octyl phthalate	14.680	149	1205873	81.478	ng	98
87) Indeno(1,2,3-cd)pyrene	17.121	276	1963736	78.760	ng	99
88) Benzo(b)fluoranthene	15.151	252	1467752	77.108	ng	99
89) Benzo(k)fluoranthene	15.180	252	1429731	77.299	ng	99
90) Benzo(a)pyrene	15.527	252	1403212	78.270	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	1523387	76.479	ng	99
92) Benzo(g,h,i)perylene	17.580	276	1563773	77.932	ng	99

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

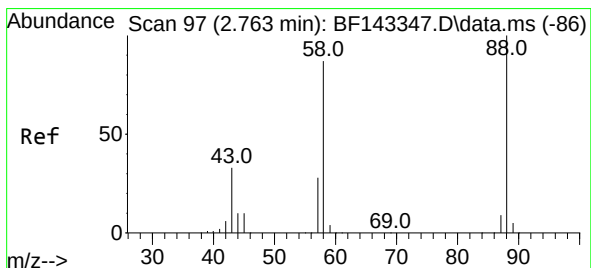
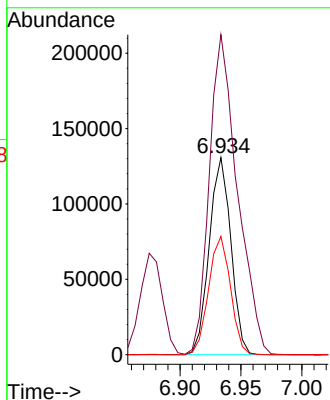
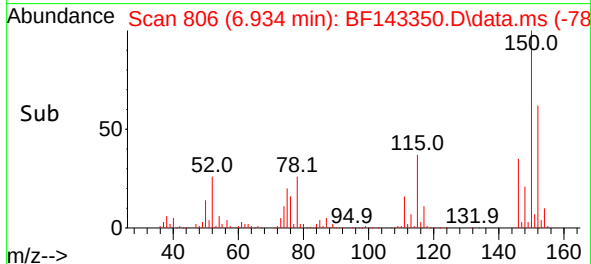


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143350.D
 Acq: 12 Aug 2025 12:38

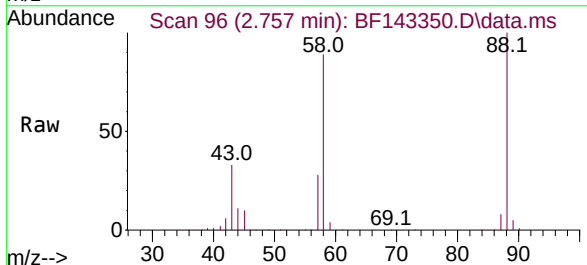
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080



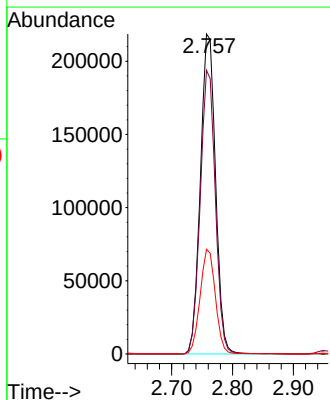
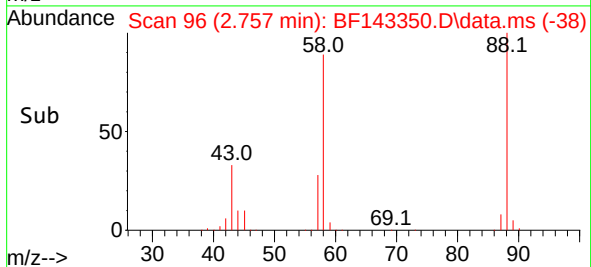
Tgt Ion:152 Resp: 161665
 Ion Ratio Lower Upper
 152 100
 150 162.4 129.8 194.8
 115 60.0 47.8 71.8

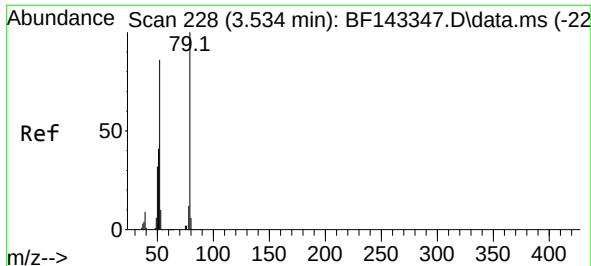


#2
 1,4-Dioxane
 Concen: 78.360 ng
 RT: 2.757 min Scan# 96
 Delta R.T. -0.006 min
 Lab File: BF143350.D
 Acq: 12 Aug 2025 12:38



Tgt Ion: 88 Resp: 379076
 Ion Ratio Lower Upper
 88 100
 58 88.3 71.0 106.6
 43 33.1 27.0 40.6

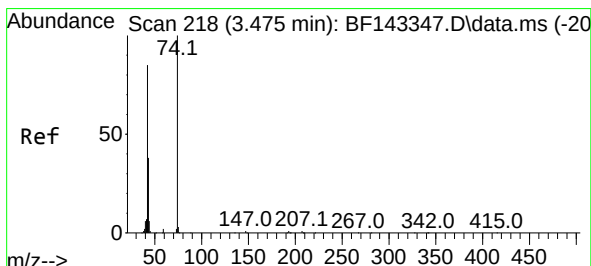
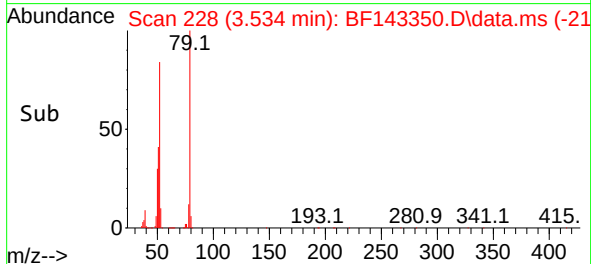
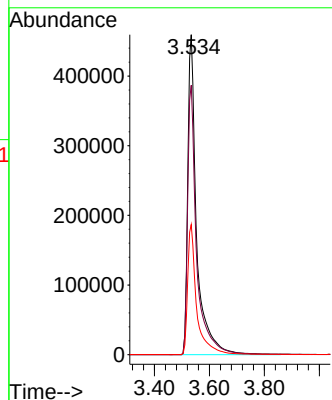
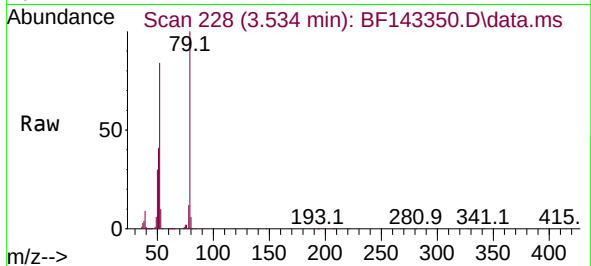




#3
Pyridine
Concen: 80.904 ng
RT: 3.534 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

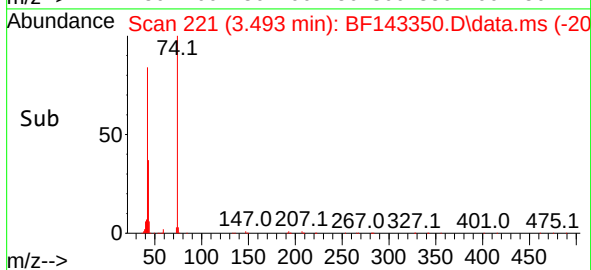
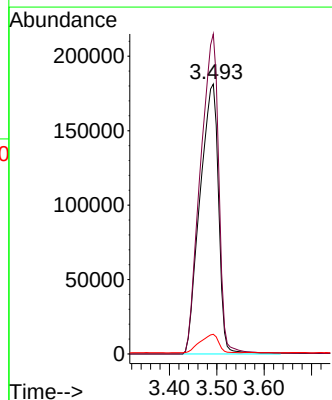
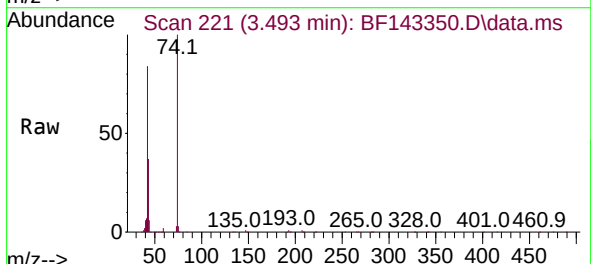
Instrument :
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ClientSampleId :
SSTDICC080

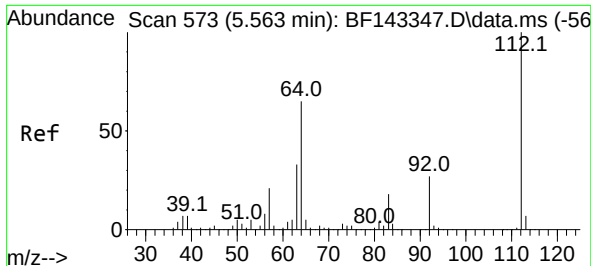
Tgt Ion: 79 Resp: 1042960
Ion Ratio Lower Upper
79 100
52 84.2 68.7 103.1
51 40.7 33.4 50.0



#4
n-Nitrosodimethylamine
Concen: 82.300 ng
RT: 3.493 min Scan# 221
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 42 Resp: 494211
Ion Ratio Lower Upper
42 100
74 118.6 94.1 141.1
44 7.3 6.5 9.7

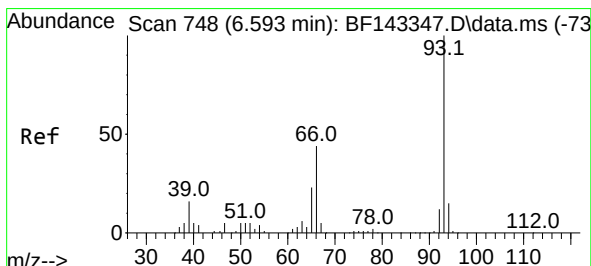
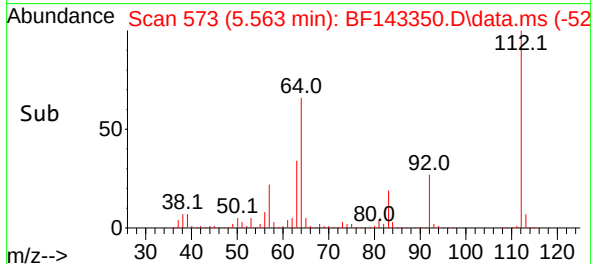
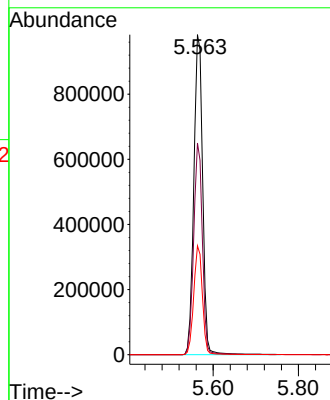
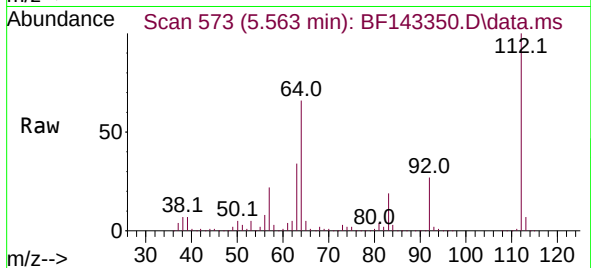




#5
2-Fluorophenol
Concen: 150.735 ng
RT: 5.563 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

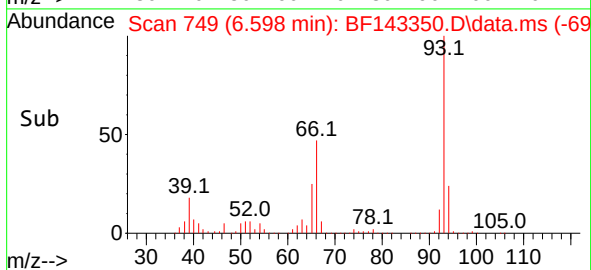
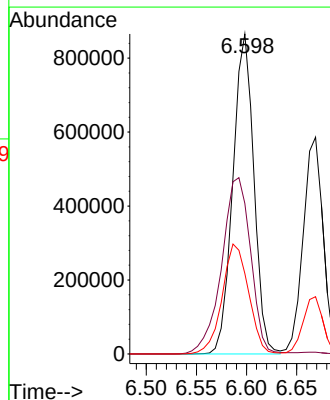
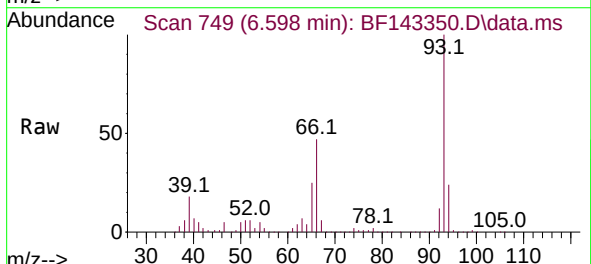
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ClientSampleId :
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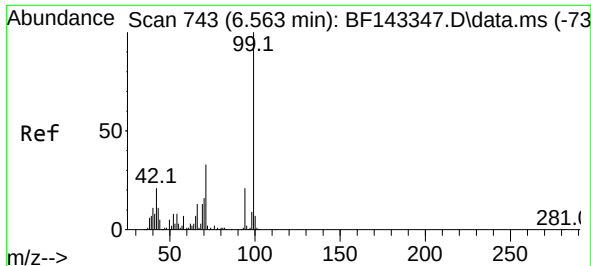
Tgt Ion:112 Resp: 1409194
Ion Ratio Lower Upper
112 100
64 66.1 52.1 78.1
63 34.0 26.6 39.8



#6
Aniline
Concen: 74.743 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 93 Resp: 1263279
Ion Ratio Lower Upper
93 100
66 47.1 35.3 52.9
65 25.2 18.2 27.4

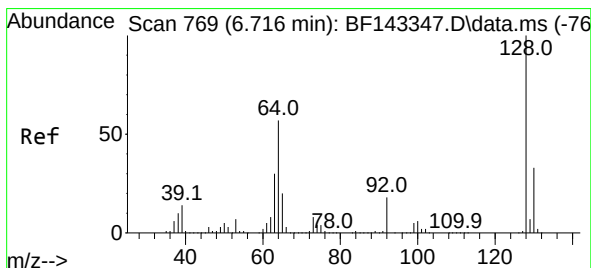
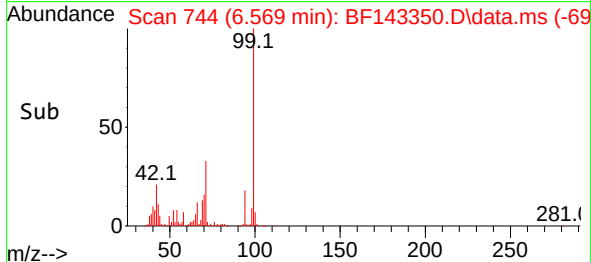
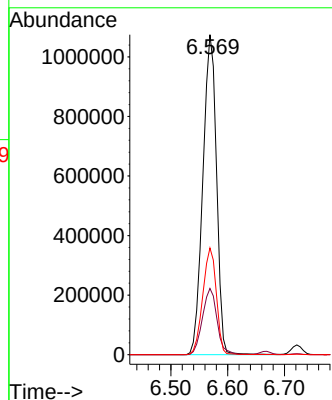
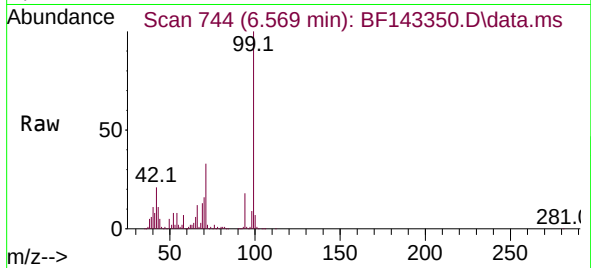




#7
Phenol-d6
Concen: 149.482 ng
RT: 6.569 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

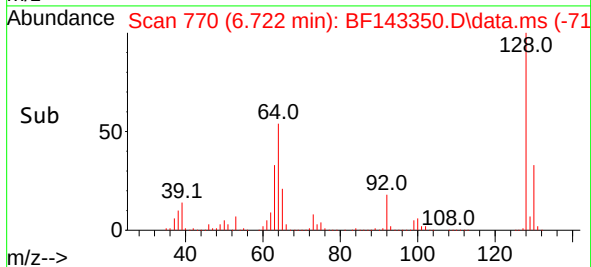
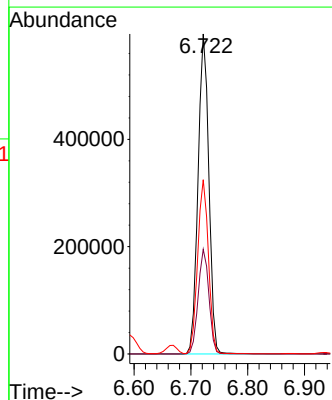
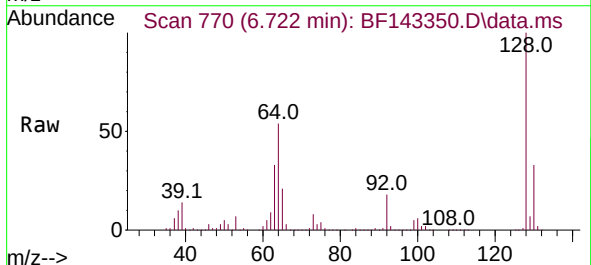
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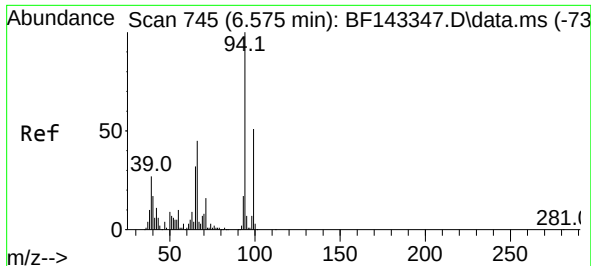
Tgt Ion: 99 Resp: 1792088
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 33.4 26.2 39.2



#8
2-Chlorophenol
Concen: 79.409 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 128 Resp: 793255
Ion Ratio Lower Upper
128 100
130 32.7 12.6 52.6
64 54.5 36.7 76.7

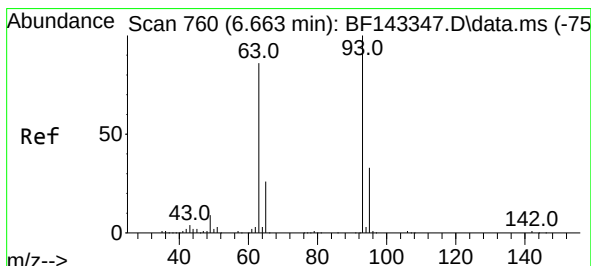
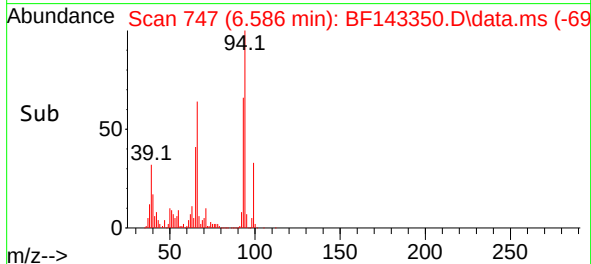
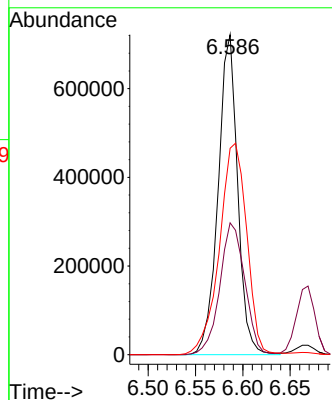
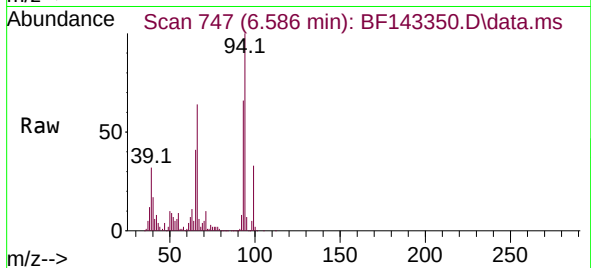




#10
Phenol
Concen: 73.052 ng
RT: 6.586 min Scan# 745
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

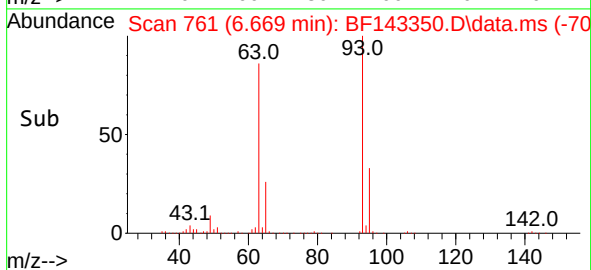
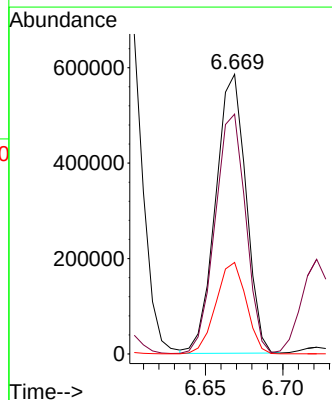
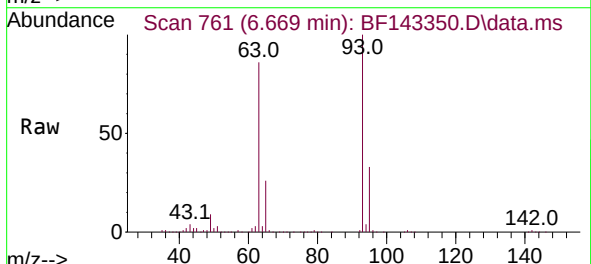
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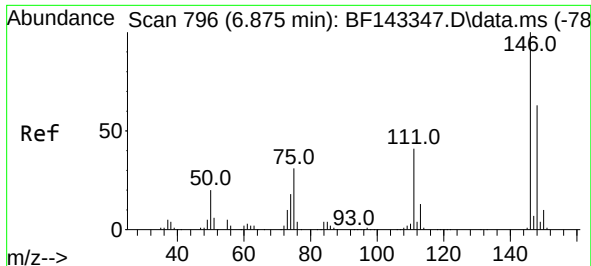
Tgt Ion: 94 Resp: 1037512
Ion Ratio Lower Upper
94 100
65 41.2 12.0 52.0
66 64.5 25.6 65.6



#11
bis(2-Chloroethyl)ether
Concen: 76.275 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 93 Resp: 798392
Ion Ratio Lower Upper
93 100
63 85.7 65.7 105.7
95 32.7 13.0 53.0

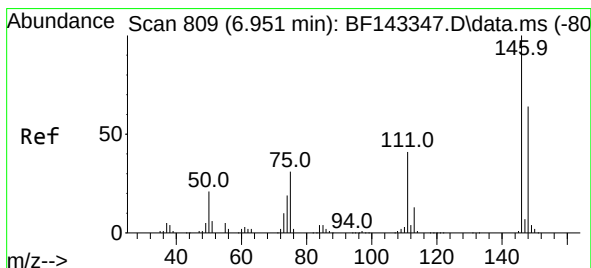
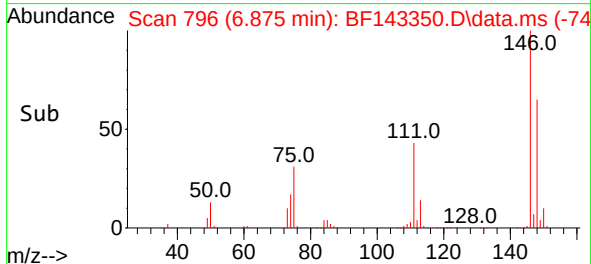
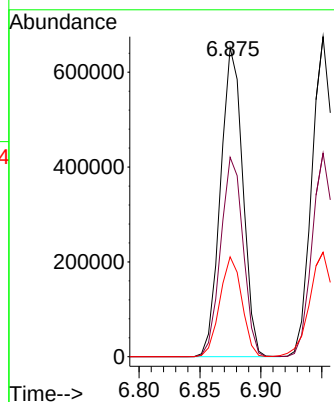
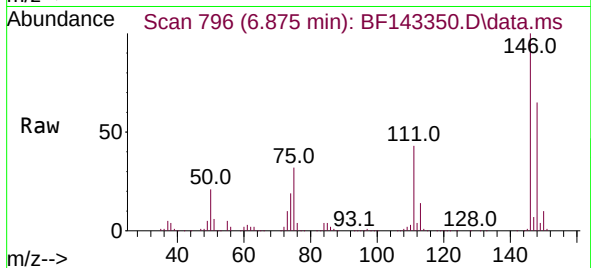




#12
1,3-Dichlorobenzene
Concen: 72.101 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

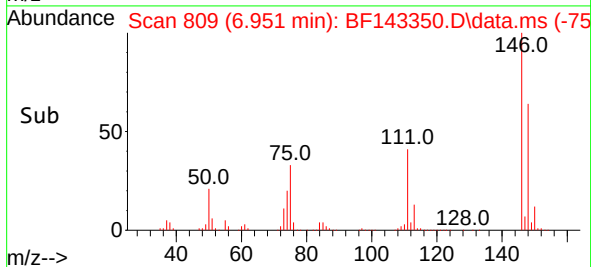
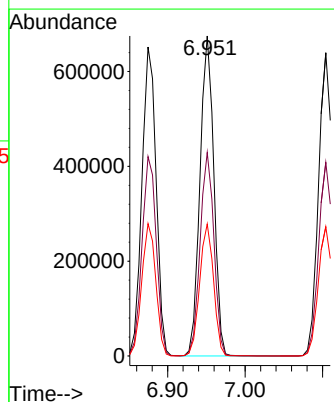
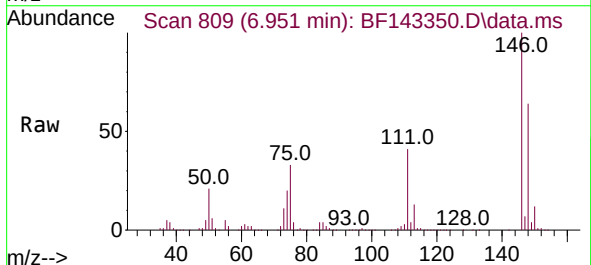
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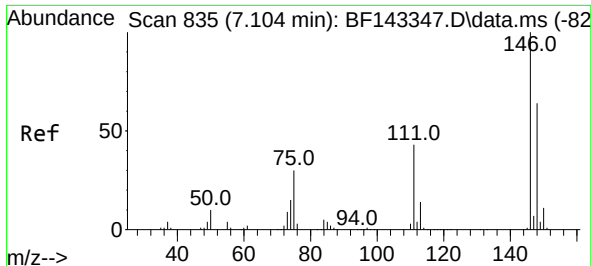
Tgt Ion:146 Resp: 830769
Ion Ratio Lower Upper
146 100
148 64.5 50.5 75.7
75 32.3 24.9 37.3



#13
1,4-Dichlorobenzene
Concen: 72.382 ng
RT: 6.951 min Scan# 809
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

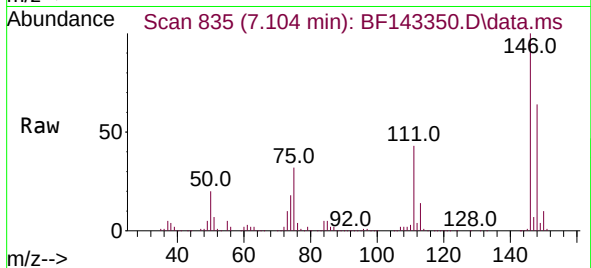
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Ion Ratio Lower Upper
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148 63.6 51.4 77.0
111 41.3 32.6 48.8



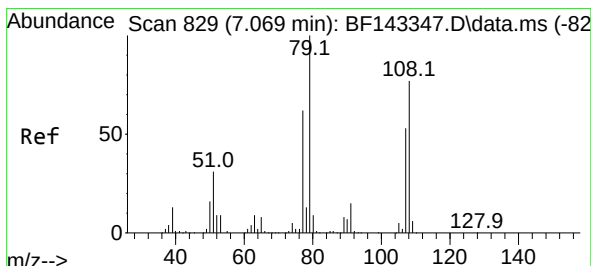
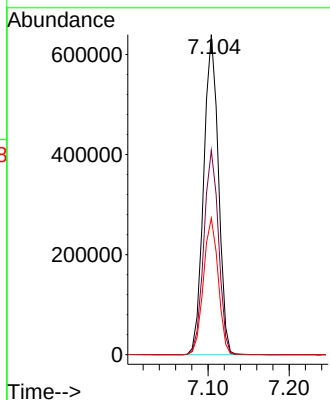
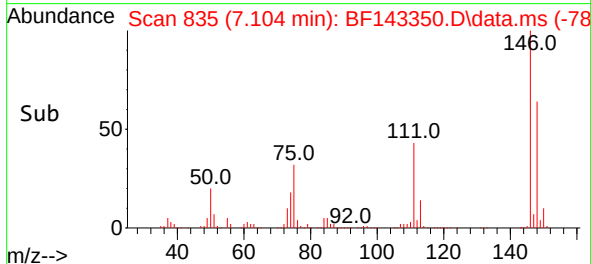


#14
1,2-Dichlorobenzene
Concen: 73.439 ng
RT: 7.104 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

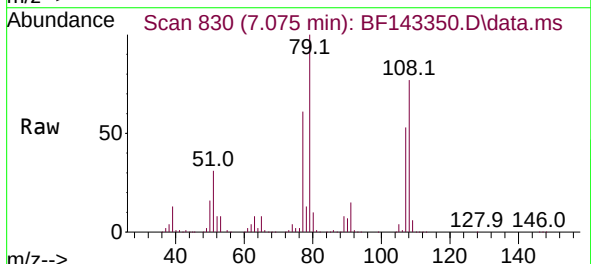
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



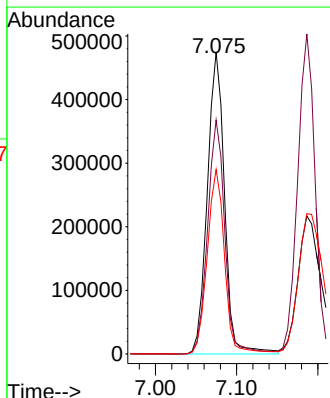
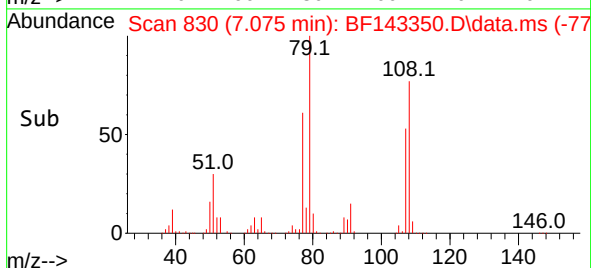
Tgt Ion:146 Resp: 806180
Ion Ratio Lower Upper
146 100
148 63.8 51.4 77.2
111 42.7 34.1 51.1

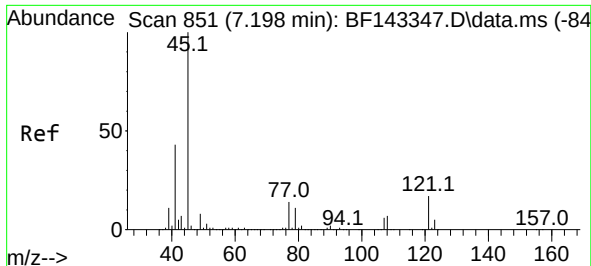


#15
Benzyl Alcohol
Concen: 81.158 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38



Tgt Ion: 79 Resp: 697448
Ion Ratio Lower Upper
79 100
108 77.5 61.5 92.3
77 61.1 49.8 74.8

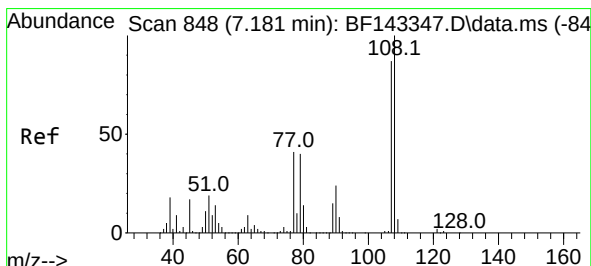
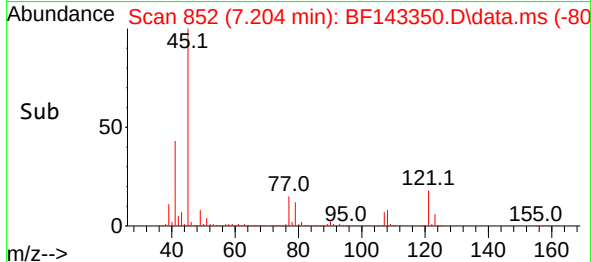
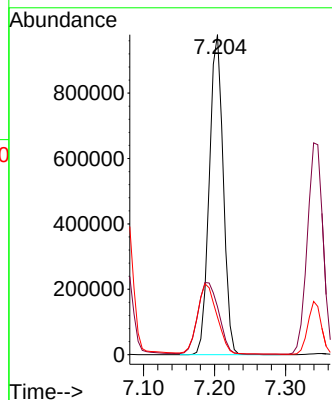
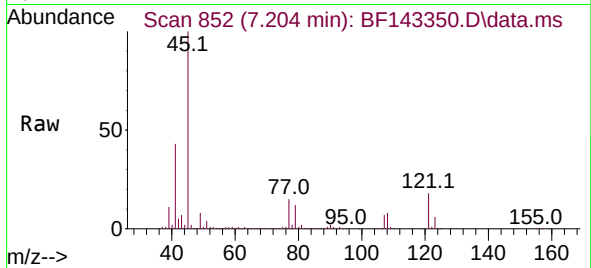




#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.450 ng
RT: 7.204 min Scan# 851
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

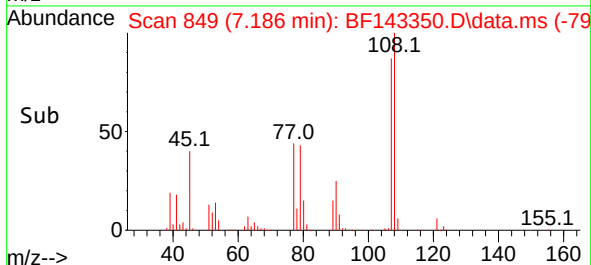
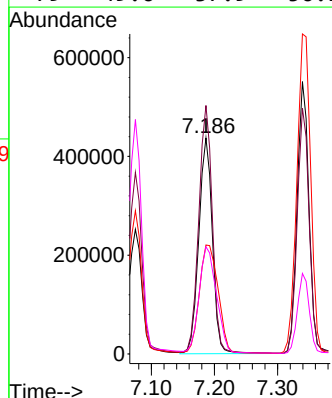
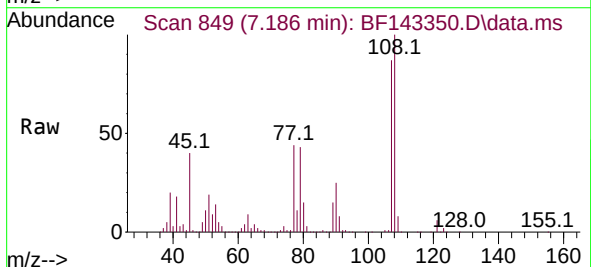
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

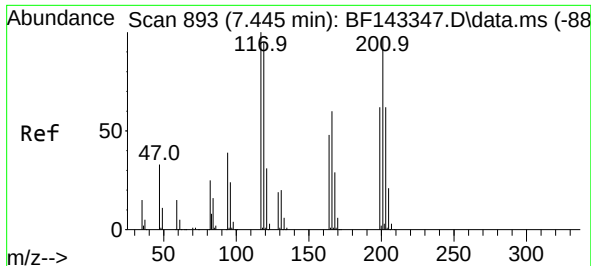
Tgt Ion: 45 Resp: 1335184
Ion Ratio Lower Upper
45 100
77 15.0 0.0 34.0
79 11.8 0.0 31.1



#17
2-Methylphenol
Concen: 77.585 ng
RT: 7.186 min Scan# 849
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

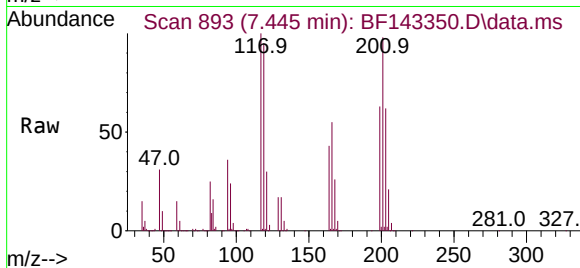
Tgt Ion: 107 Resp: 654221
Ion Ratio Lower Upper
107 100
108 115.0 92.0 138.0
77 50.5 38.2 57.2
79 49.6 37.9 56.9



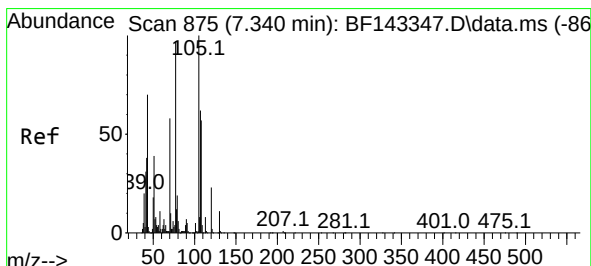
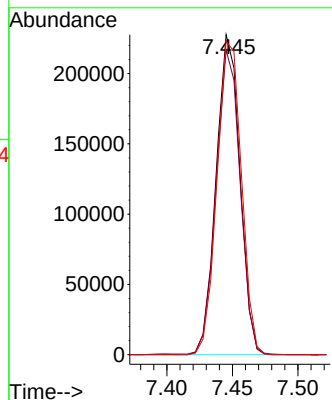
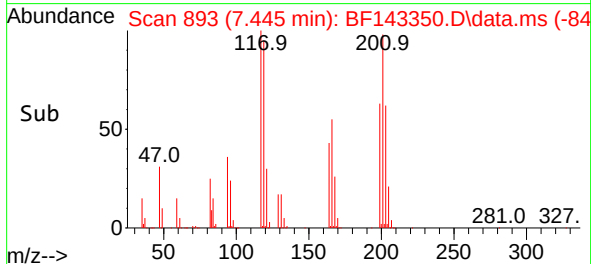


#18
Hexachloroethane
Concen: 79.115 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

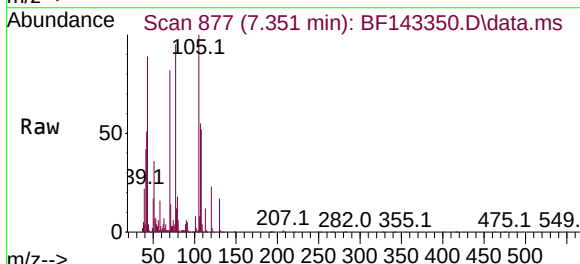
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



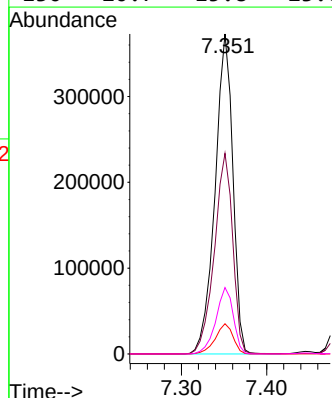
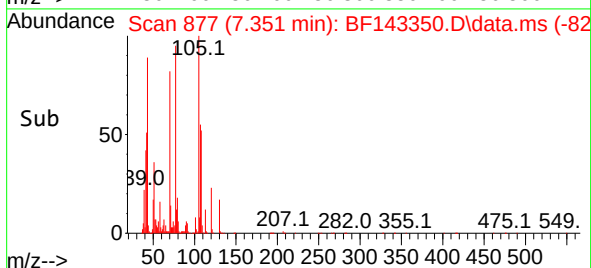
Tgt Ion:117 Resp: 286839
Ion Ratio Lower Upper
117 100
119 95.2 75.8 113.8
201 98.0 77.2 115.8

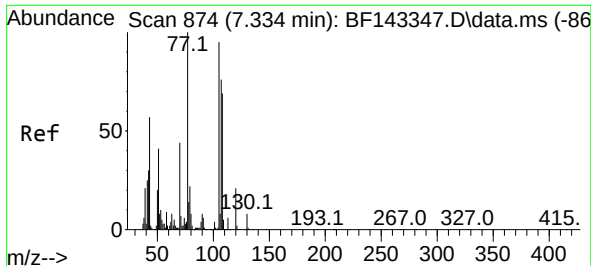


#19
n-Nitroso-di-n-propylamine
Concen: 73.083 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38



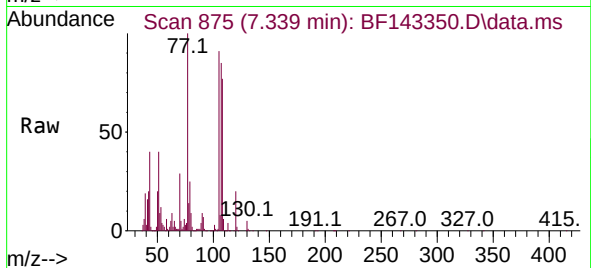
Tgt Ion: 70 Resp: 541387
Ion Ratio Lower Upper
70 100
42 62.7 51.6 77.4
101 9.4 7.5 11.3
130 20.7 15.8 23.6



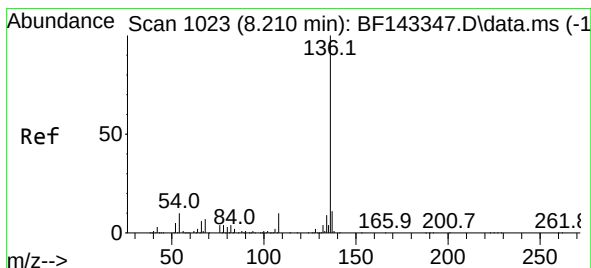
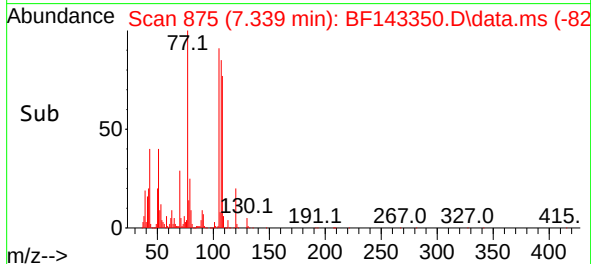
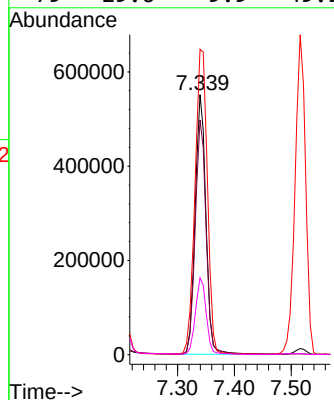


#20
3+4-Methylphenols
Concen: 71.322 ng
RT: 7.339 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

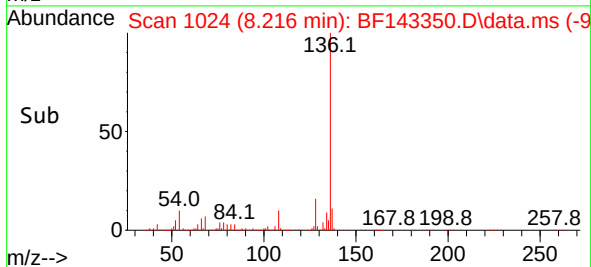
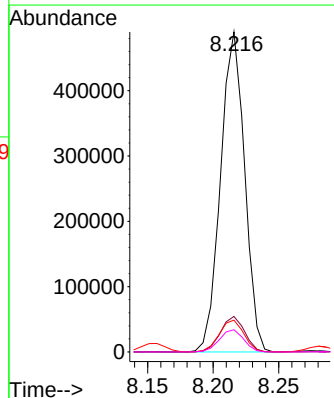
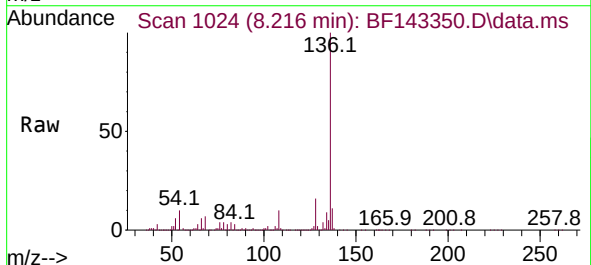


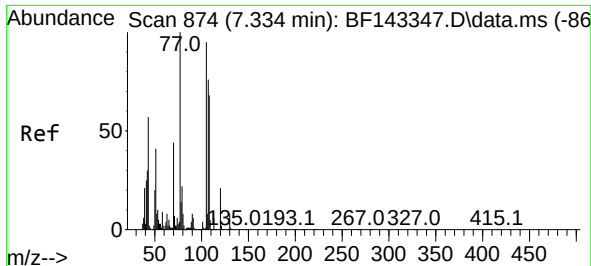
Tgt Ion:107 Resp: 727332
Ion Ratio Lower Upper
107 100
108 90.3 70.6 110.6
77 117.5 112.0 152.0
79 29.6 9.9 49.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:136 Resp: 625065
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.0 8.4 12.6
68 6.9 5.9 8.9

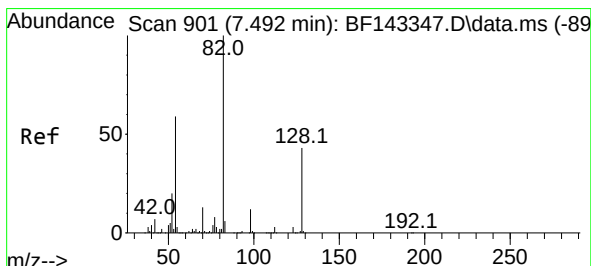
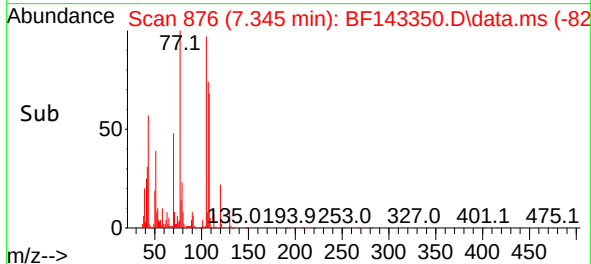
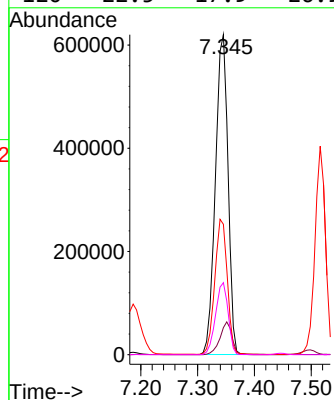
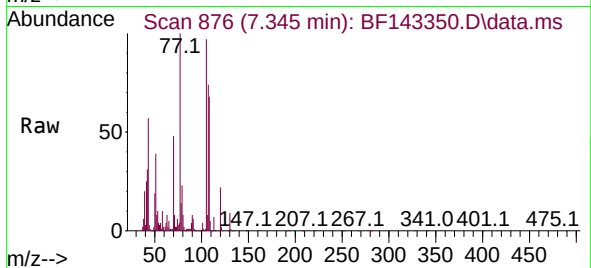




#22
Acetophenone
Concen: 69.195 ng
RT: 7.345 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

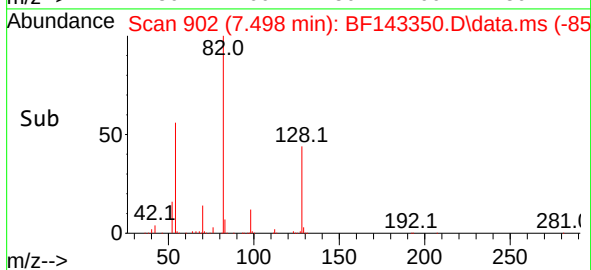
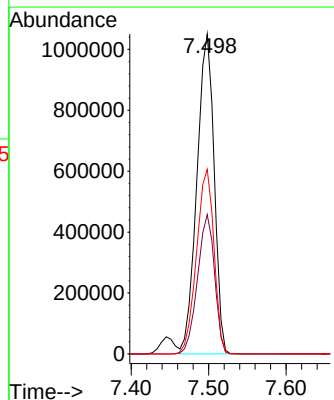
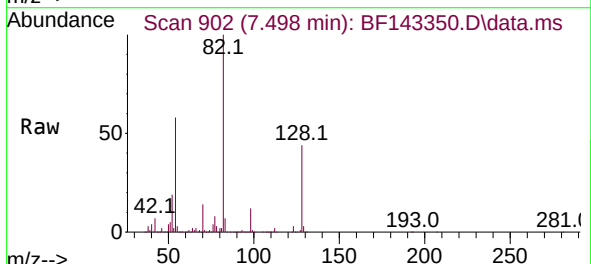
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

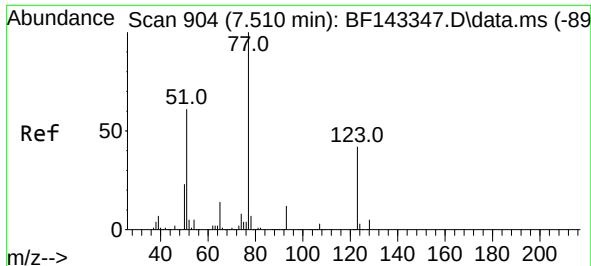
Tgt Ion:	105	Resp:	952975
Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.2	9.4
51	40.7	34.8	52.2
120	22.5	17.9	26.9



#23
Nitrobenzene-d5
Concen: 161.306 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:	82	Resp:	1619091
Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.5	50.3
54	57.7	46.7	70.1

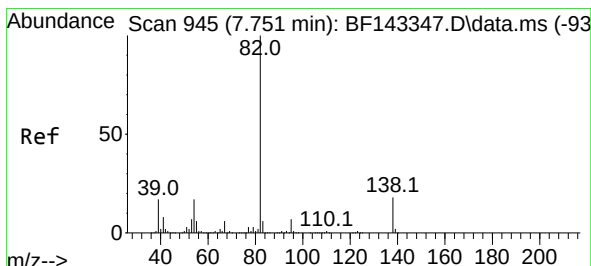
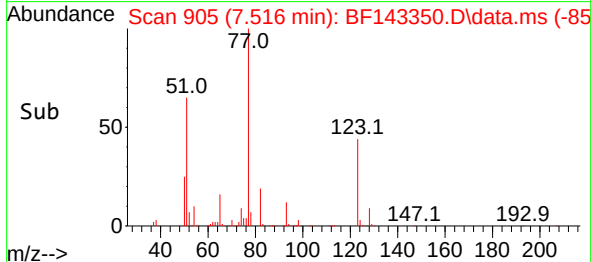
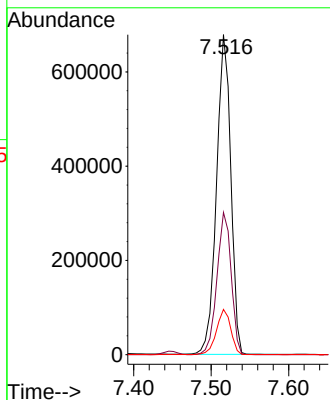
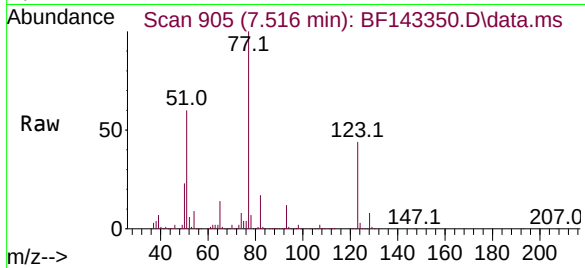




#24
Nitrobenzene
Concen: 79.634 ng
RT: 7.516 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

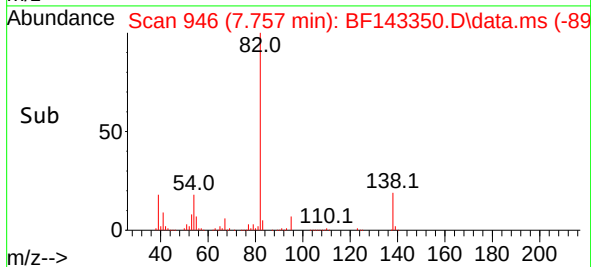
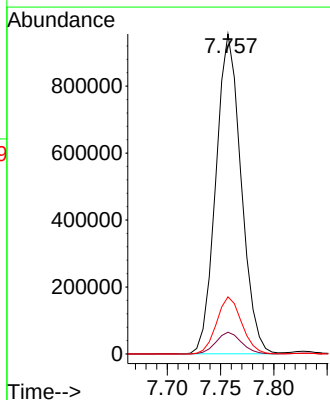
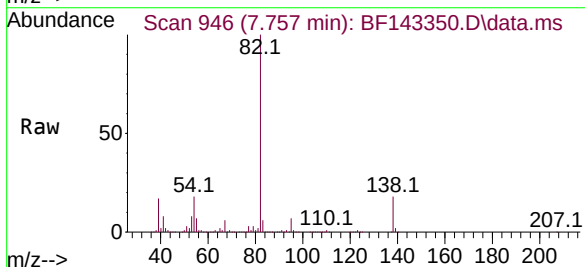
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

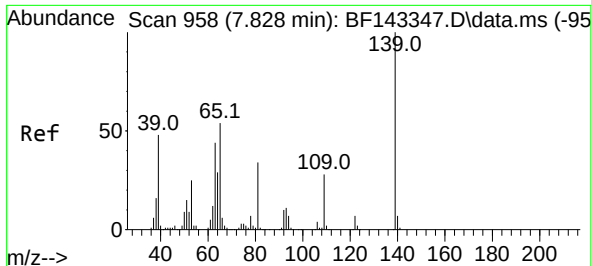
Tgt Ion: 77 Resp: 868093
Ion Ratio Lower Upper
77 100
123 44.4 34.8 52.2
65 14.1 11.0 16.6



#25
Isophorone
Concen: 76.861 ng
RT: 7.757 min Scan# 946
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 82 Resp: 1574935
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.8 14.6 21.8

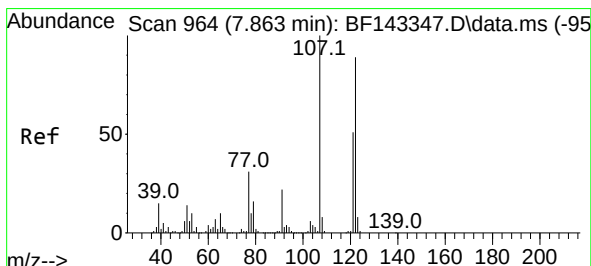
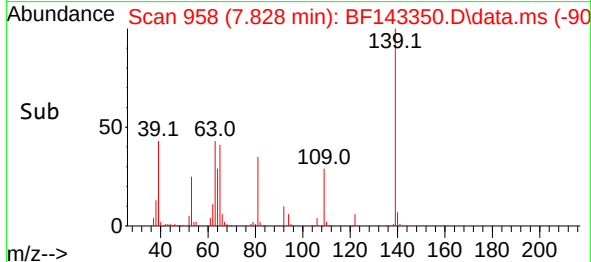
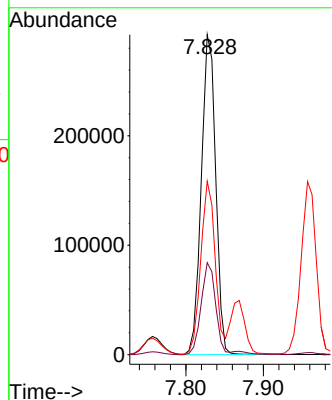
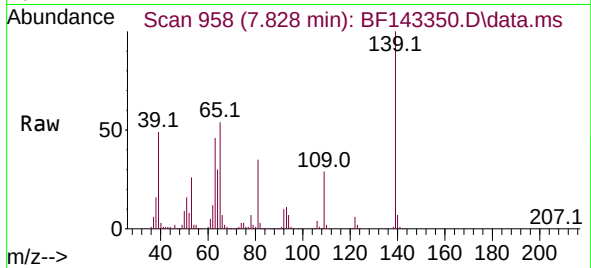




#26
2-Nitrophenol
Concen: 83.229 ng
RT: 7.828 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

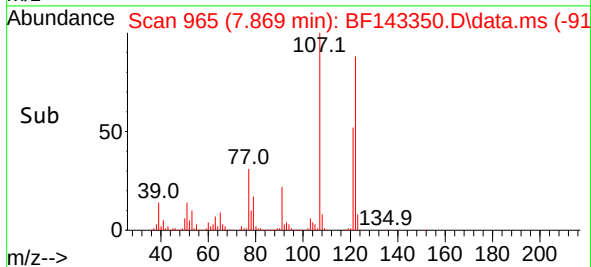
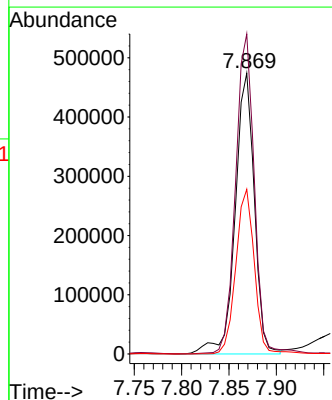
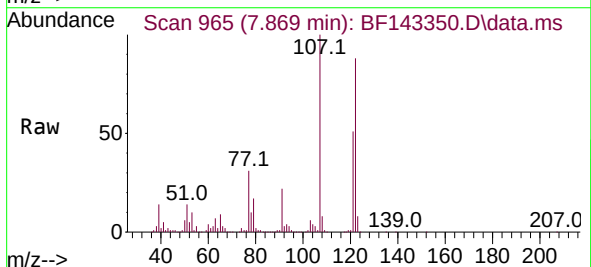
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

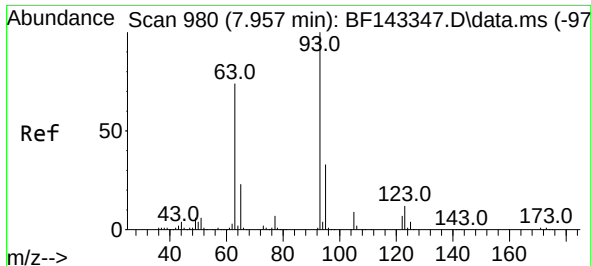
Tgt Ion:139 Resp: 376225
Ion Ratio Lower Upper
139 100
109 28.8 22.4 33.6
65 54.2 42.9 64.3



#27
2,4-Dimethylphenol
Concen: 78.052 ng
RT: 7.869 min Scan# 965
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:122 Resp: 667248
Ion Ratio Lower Upper
122 100
107 114.0 89.9 134.9
121 58.7 46.2 69.4

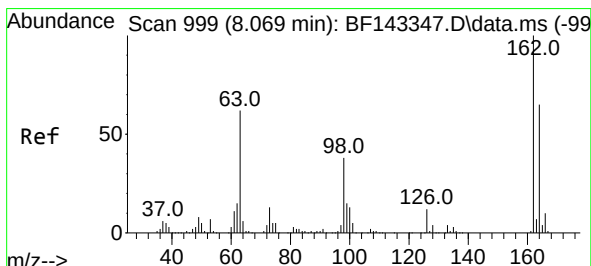
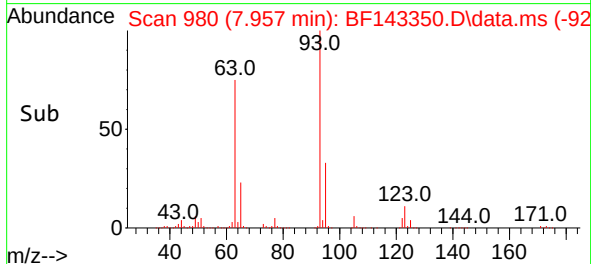
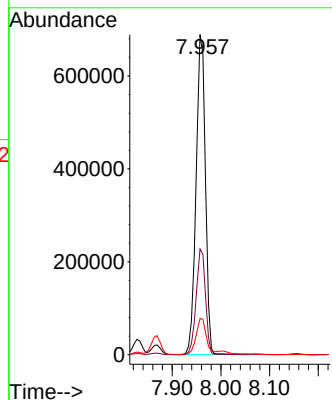
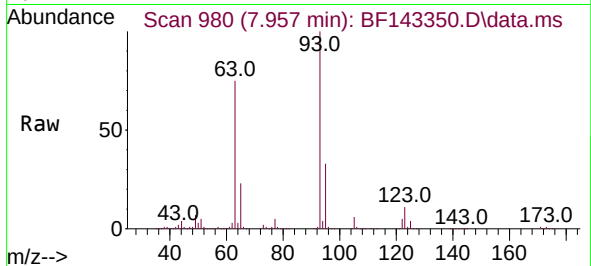




#28
bis(2-Chloroethoxy)methane
Concen: 73.686 ng
RT: 7.957 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

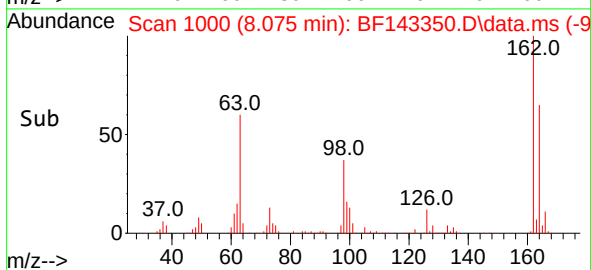
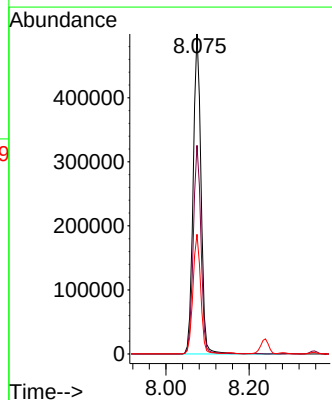
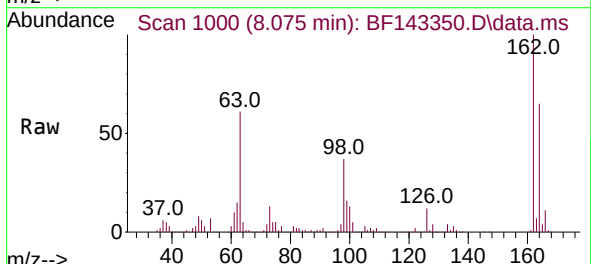
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

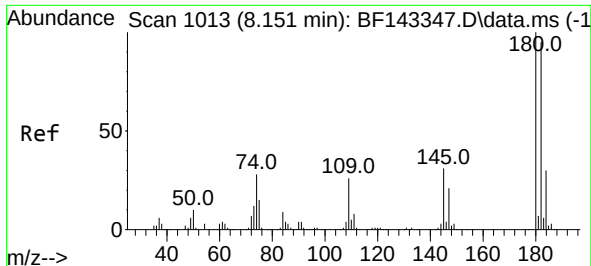
Tgt Ion: 93 Resp: 921854
Ion Ratio Lower Upper
93 100
95 33.0 26.2 39.4
123 11.3 9.4 14.2



#29
2,4-Dichlorophenol
Concen: 78.392 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 162 Resp: 654545
Ion Ratio Lower Upper
162 100
164 65.2 44.5 84.5
98 37.4 17.7 57.7





#30

1,2,4-Trichlorobenzene

Concen: 73.707 ng

RT: 8.157 min Scan# 1013

Delta R.T. 0.006 min

Lab File: BF143350.D

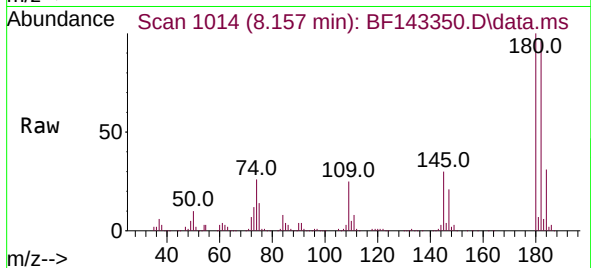
Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



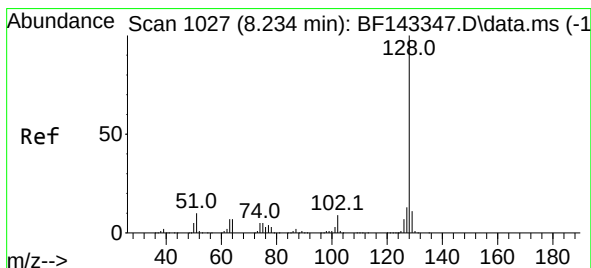
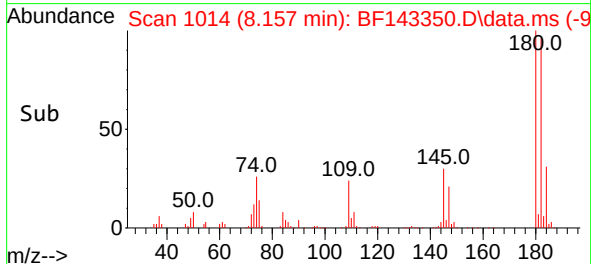
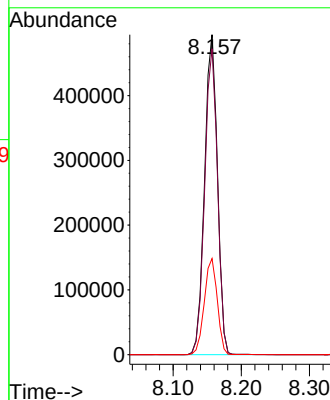
Tgt Ion:180 Resp: 649172

Ion Ratio Lower Upper

180 100

182 95.6 76.1 114.1

145 30.0 24.9 37.3



#31

Naphthalene

Concen: 69.783 ng

RT: 8.239 min Scan# 1028

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

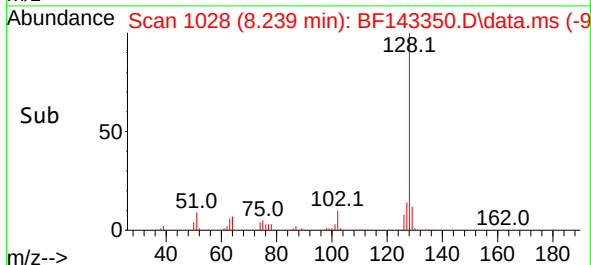
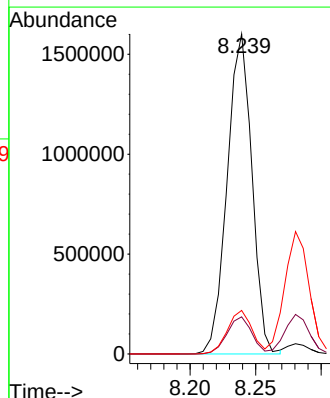
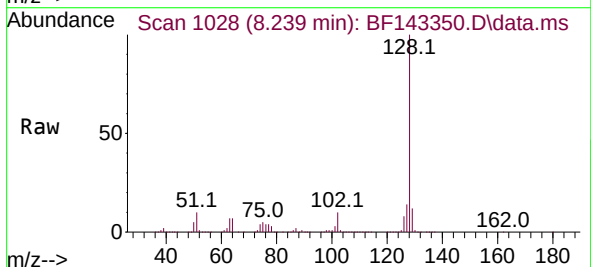
Tgt Ion:128 Resp: 2098892

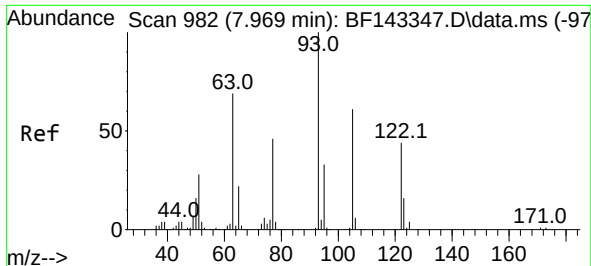
Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

127 13.6 10.7 16.1

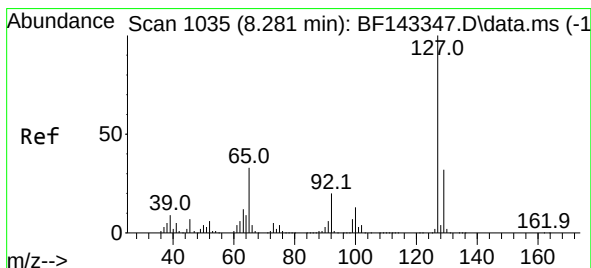
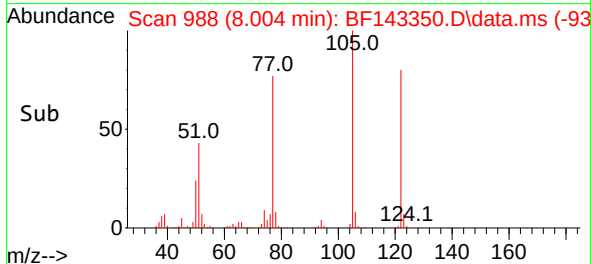
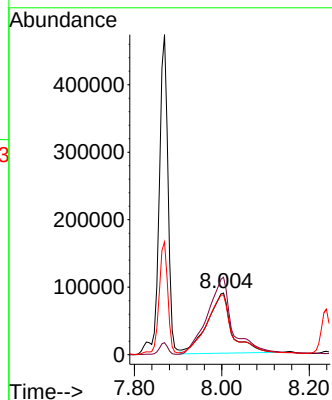
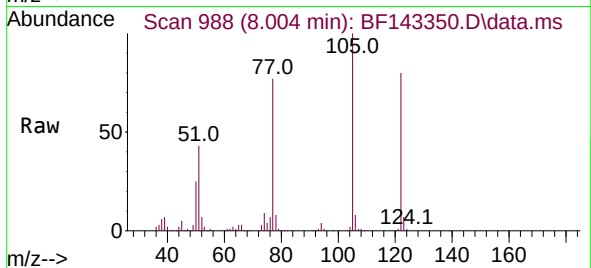




#32
Benzoic acid
Concen: 78.960 ng
RT: 8.004 min Scan# 982
Delta R.T. 0.035 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

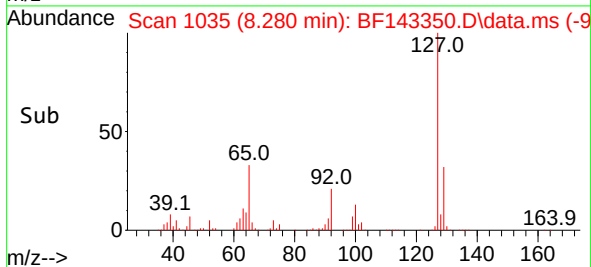
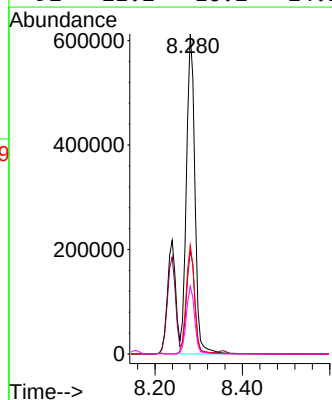
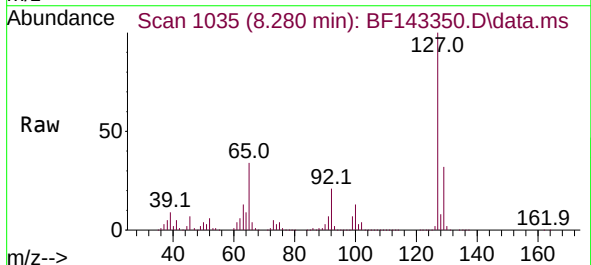
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

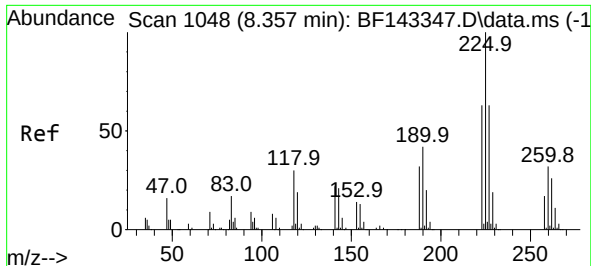
Tgt Ion:122 Resp: 354618
Ion Ratio Lower Upper
122 100
105 125.6 106.4 146.4
77 97.0 79.2 119.2



#33
4-Chloroaniline
Concen: 75.228 ng
RT: 8.280 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:127 Resp: 816103
Ion Ratio Lower Upper
127 100
129 32.3 26.0 39.0
65 34.0 27.0 40.4
92 21.2 16.2 24.2

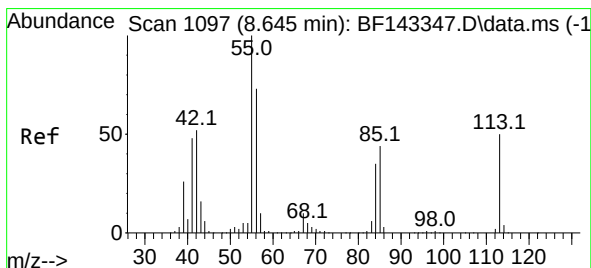
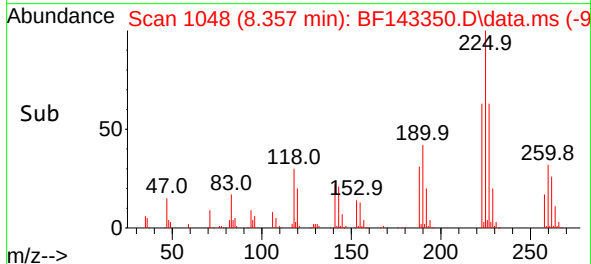
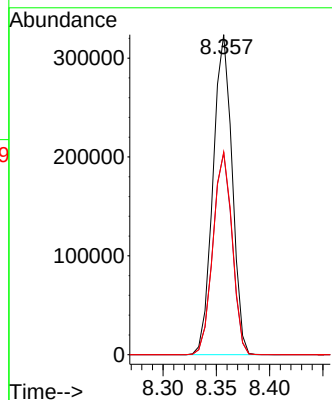
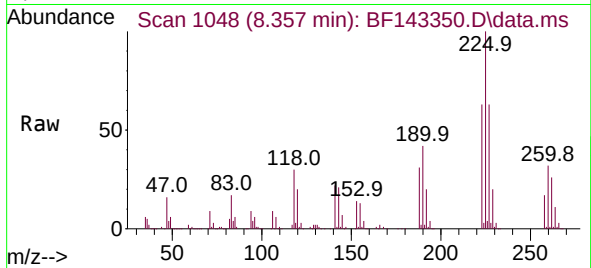




#34
Hexachlorobutadiene
Concen: 73.592 ng
RT: 8.357 min Scan# 1101
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

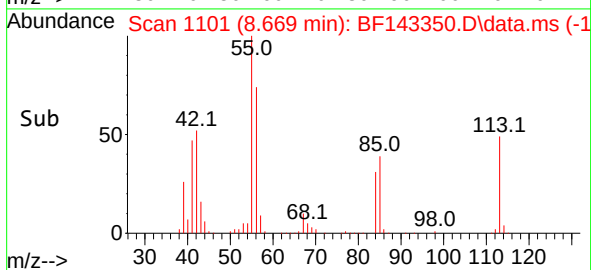
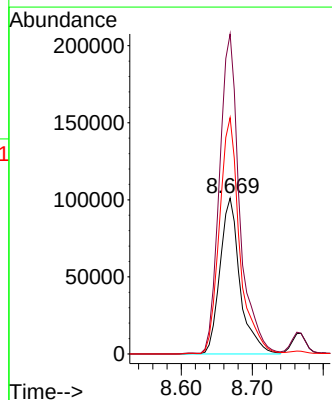
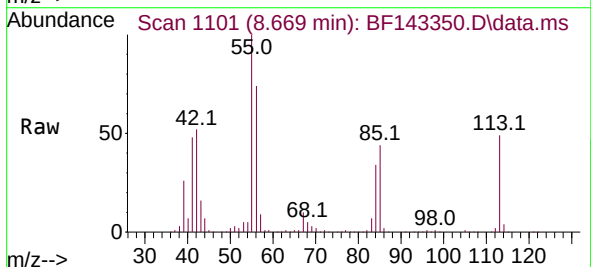
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

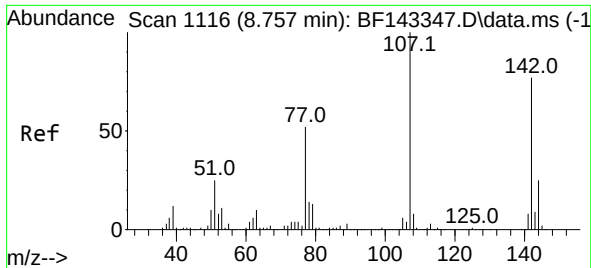
Tgt Ion:225 Resp: 403199
Ion Ratio Lower Upper
225 100
223 63.0 50.1 75.1
227 63.3 50.6 75.8



#35
Caprolactam
Concen: 84.172 ng
RT: 8.669 min Scan# 1101
Delta R.T. 0.023 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:113 Resp: 197571
Ion Ratio Lower Upper
113 100
55 205.3 181.4 221.4
56 151.6 127.3 167.3

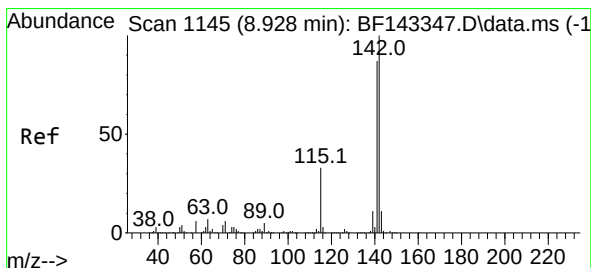
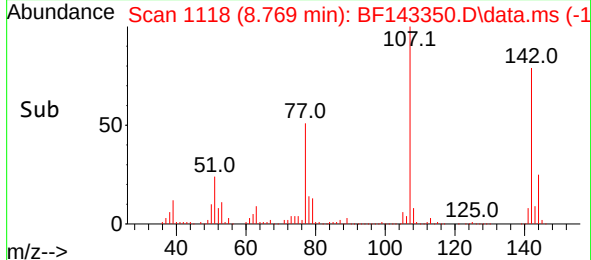
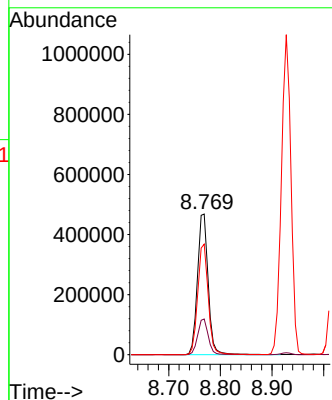
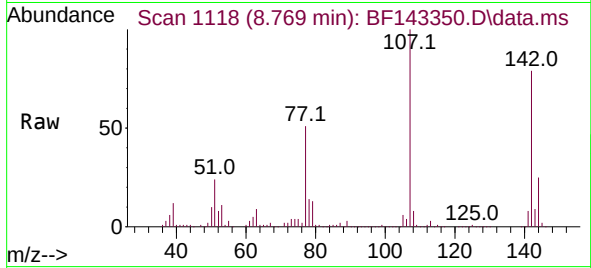




#36
4-Chloro-3-methylphenol
Concen: 77.000 ng
RT: 8.769 min Scan# 1116
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

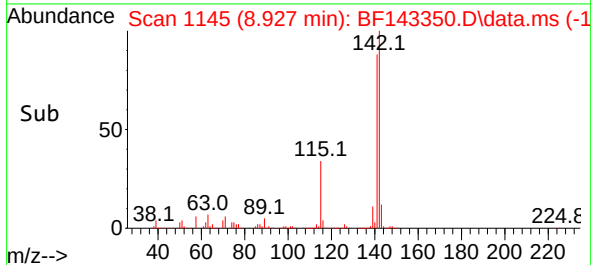
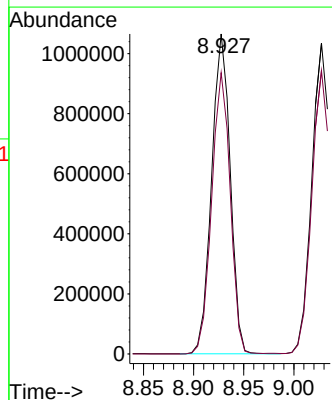
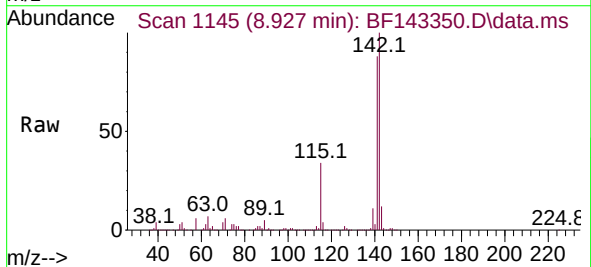
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

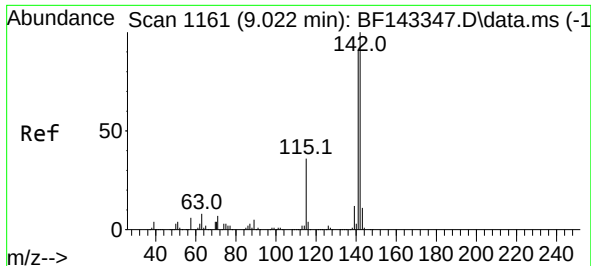
Tgt Ion:107 Resp: 674001
Ion Ratio Lower Upper
107 100
144 25.4 20.0 30.0
142 78.5 61.3 91.9



#37
2-Methylnaphthalene
Concen: 69.303 ng
RT: 8.927 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:142 Resp: 1370352
Ion Ratio Lower Upper
142 100
141 87.9 69.8 104.8

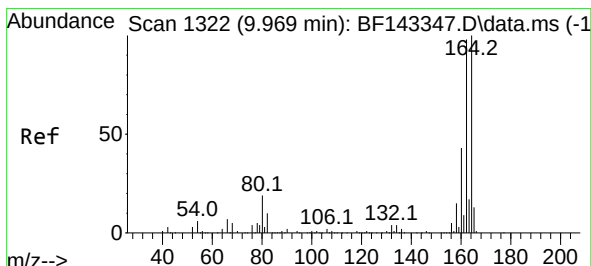
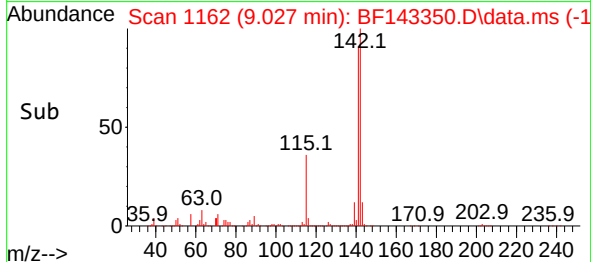
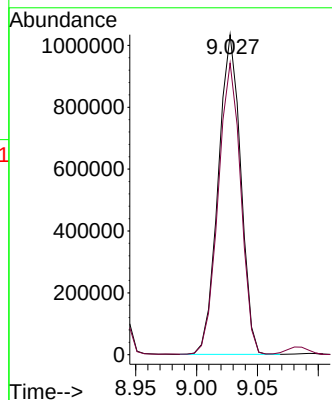
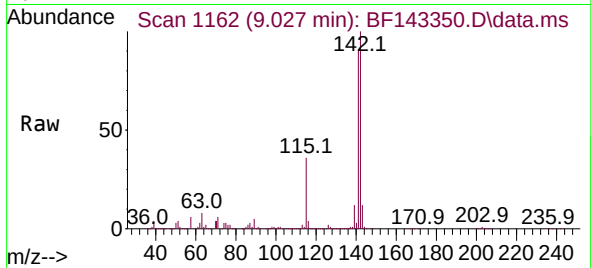




#38
1-Methylnaphthalene
Concen: 69.780 ng
RT: 9.027 min Scan# 1161
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

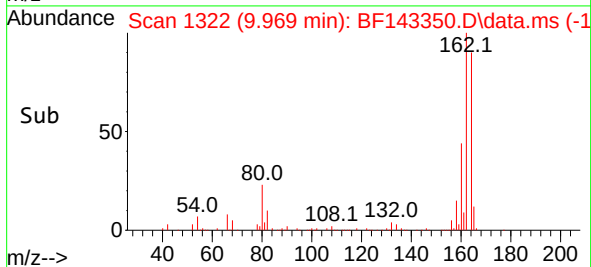
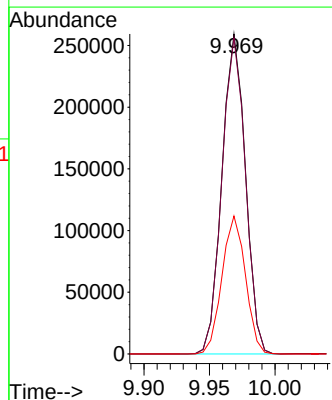
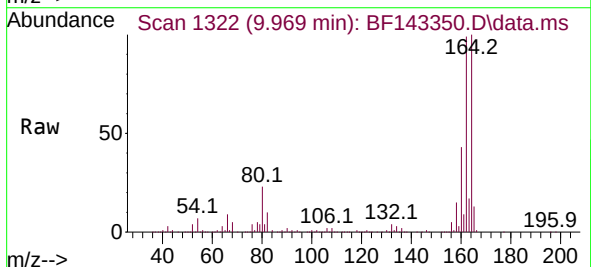
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

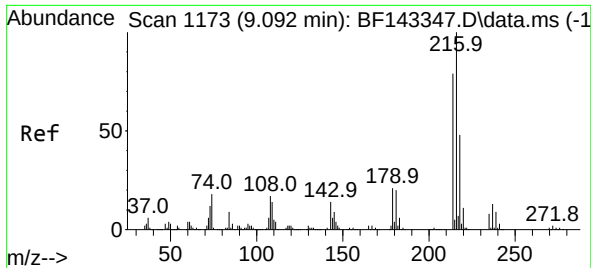
Tgt Ion:142 Resp: 1328881
Ion Ratio Lower Upper
142 100
141 91.2 73.0 109.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:164 Resp: 322984
Ion Ratio Lower Upper
164 100
162 98.8 78.6 118.0
160 43.1 34.4 51.6

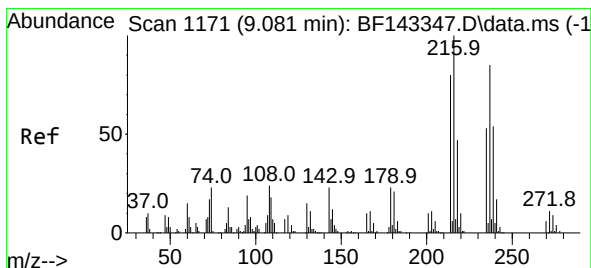
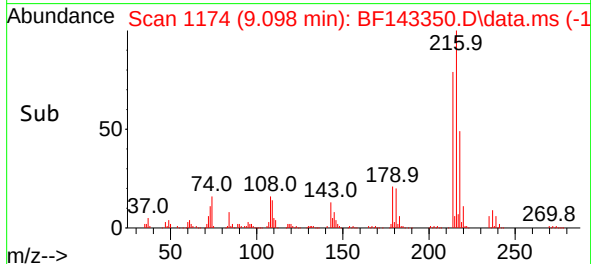
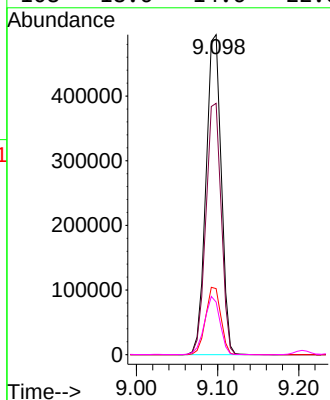
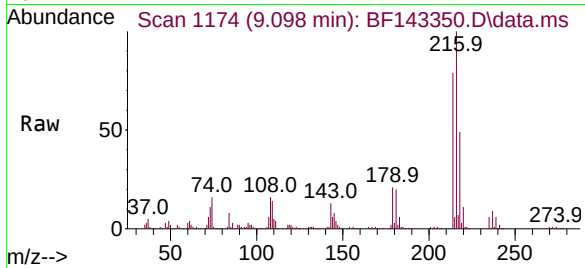




#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.936 ng
RT: 9.098 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

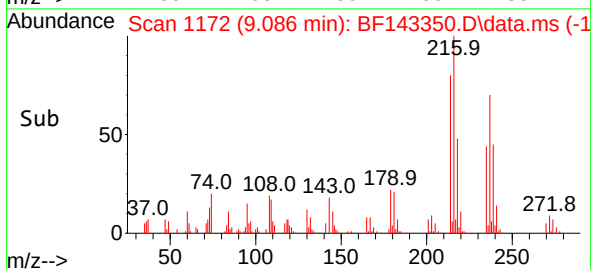
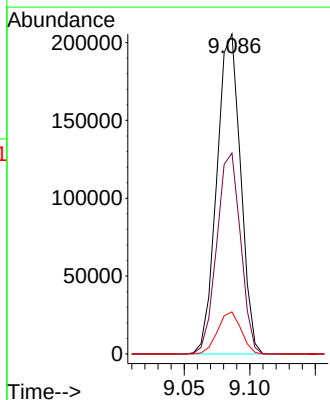
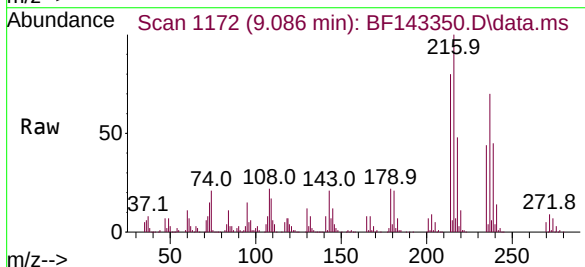
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

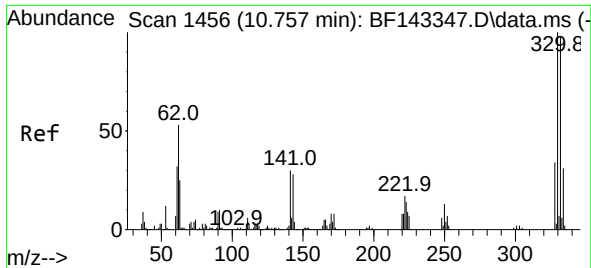
Tgt Ion:	216	Resp:	644623
Ion Ratio	Lower	Upper	
216	100		
214	79.0	63.0	94.4
179	21.0	17.0	25.4
108	18.6	14.6	22.0



#41
Hexachlorocyclopentadiene
Concen: 82.835 ng
RT: 9.086 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:	237	Resp:	259048
Ion Ratio	Lower	Upper	
237	100		
235	62.8	42.0	82.0
272	13.2	0.0	32.6

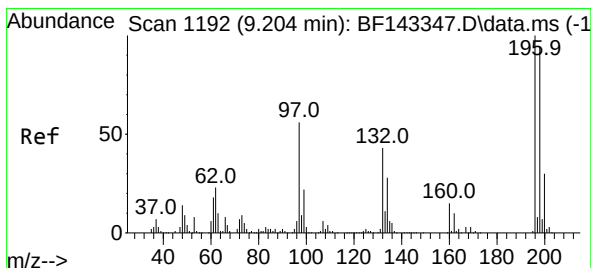
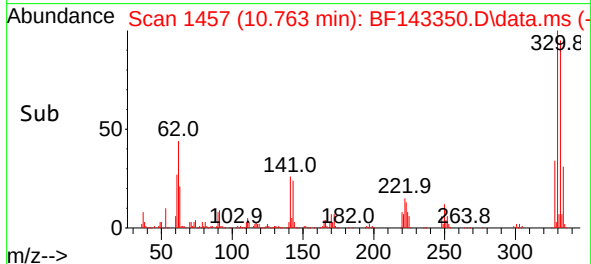
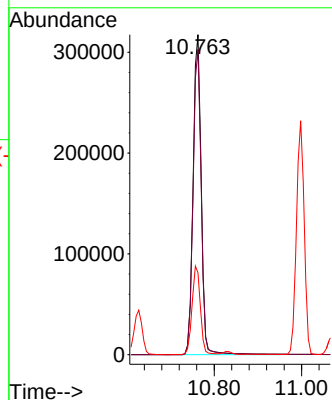
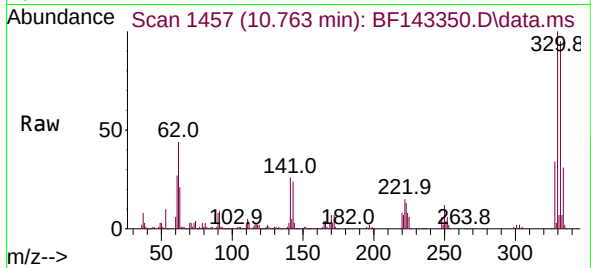




#42
2,4,6-Tribromophenol
Concen: 174.486 ng
RT: 10.763 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

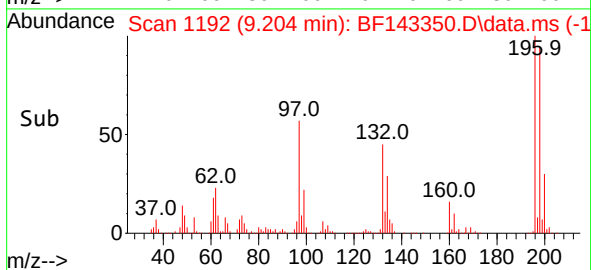
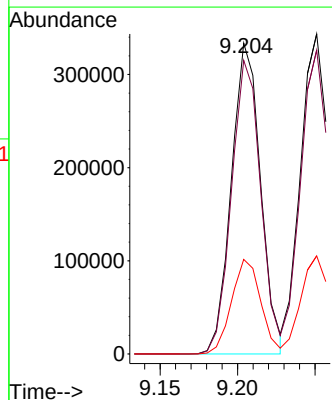
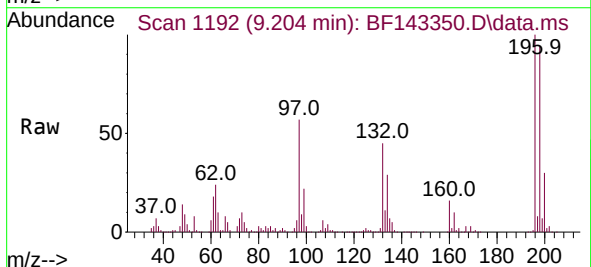
Instrument :
BNA_F
ClientSampleId :
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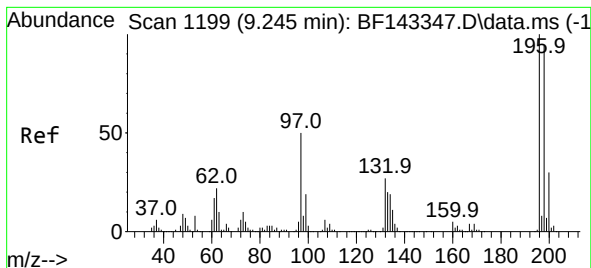
Tgt Ion: 330 Resp: 411864
Ion Ratio Lower Upper
330 100
332 95.5 78.1 117.1
141 28.4 25.4 38.0



#43
2,4,6-Trichlorophenol
Concen: 87.149 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 196 Resp: 437022
Ion Ratio Lower Upper
196 100
198 94.5 75.4 113.0
200 30.4 24.3 36.5

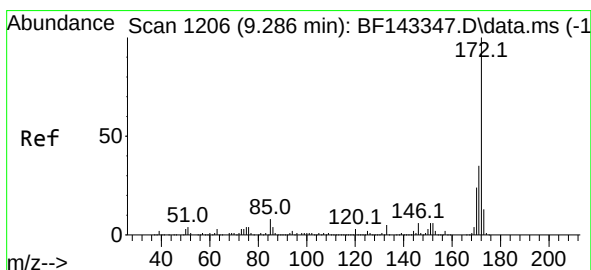
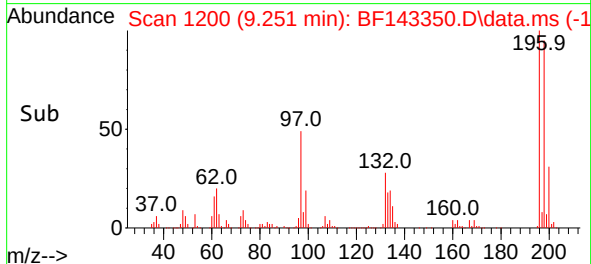
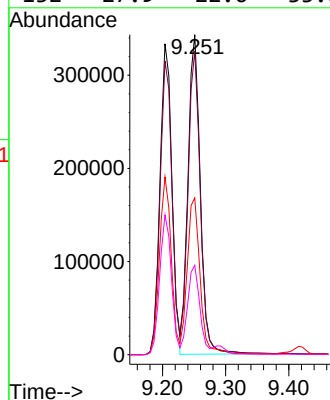
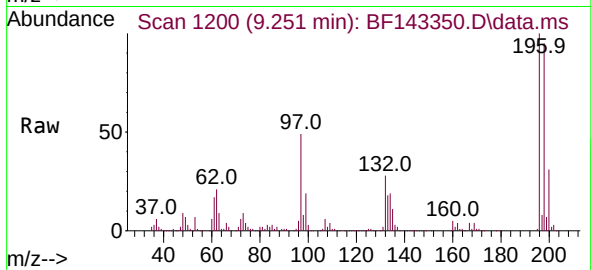




#44
2,4,5-Trichlorophenol
Concen: 82.433 ng
RT: 9.251 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

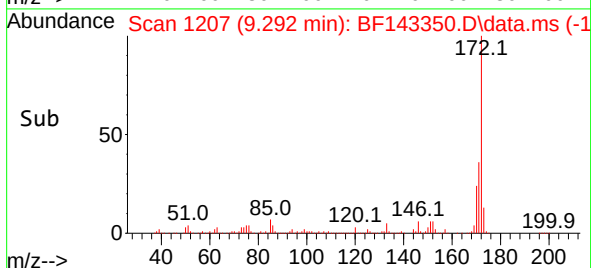
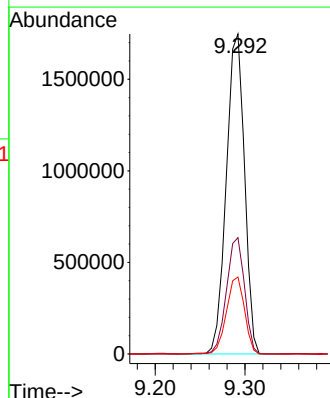
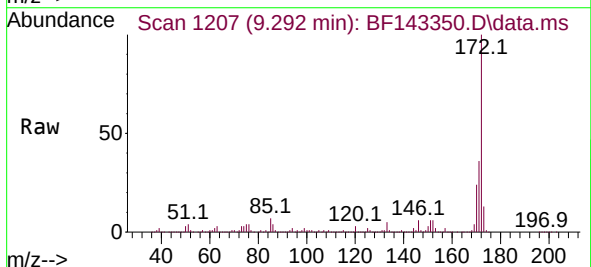
Instrument :
BNA_F
ClientSampleId :
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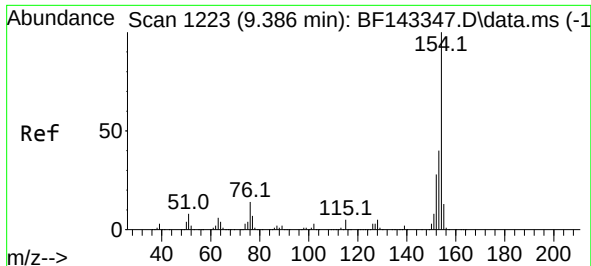
Tgt Ion:196	Resp: 466807
Ion Ratio	Lower Upper
196 100	
198 95.0	75.4 113.2
97 49.0	39.9 59.9
132 27.9	22.6 33.8



#45
2-Fluorobiphenyl
Concen: 129.045 ng
RT: 9.292 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:172	Resp: 2457872		
Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.4	42.6
170	24.0	19.1	28.7

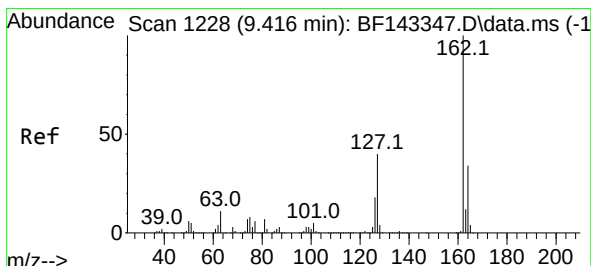
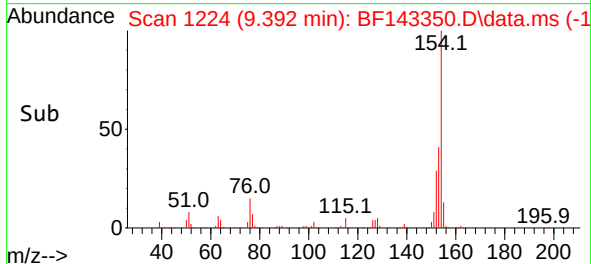
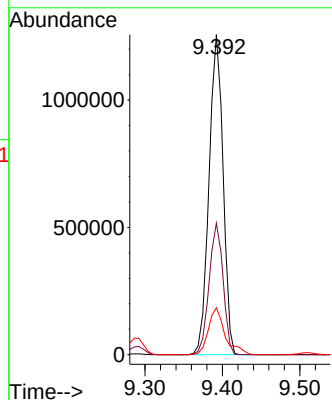
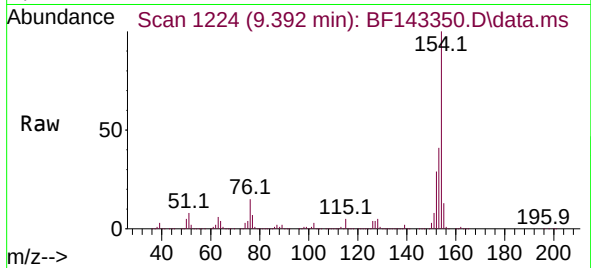




#46
1,1'-Biphenyl
Concen: 69.203 ng
RT: 9.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

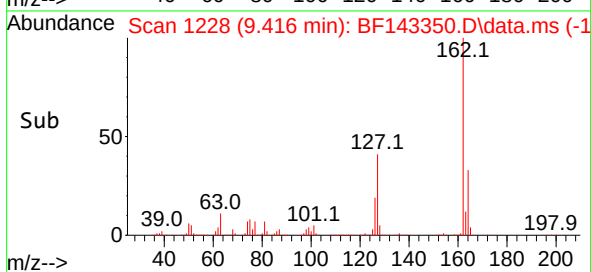
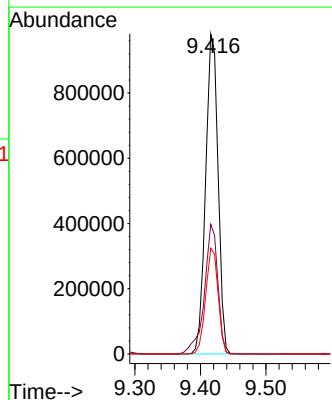
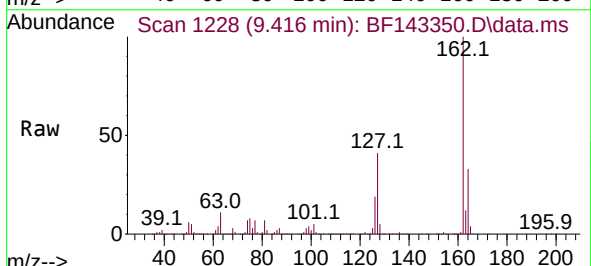
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

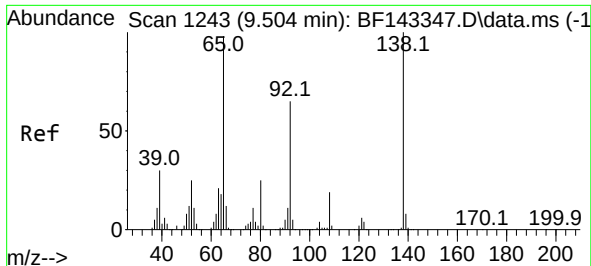
Tgt Ion:154 Resp: 1580379
Ion Ratio Lower Upper
154 100
153 41.1 20.2 60.2
76 14.6 0.0 34.4



#47
2-Chloronaphthalene
Concen: 72.042 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:162 Resp: 1295723
Ion Ratio Lower Upper
162 100
127 40.5 32.1 48.1
164 33.1 27.0 40.4

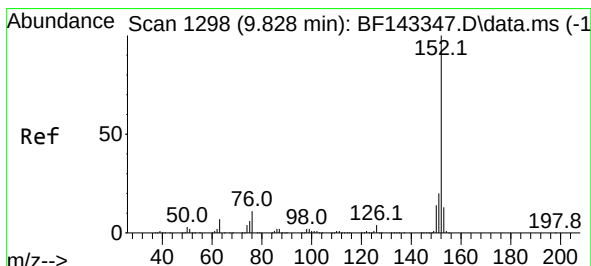
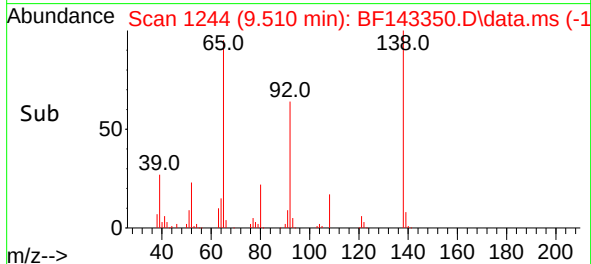
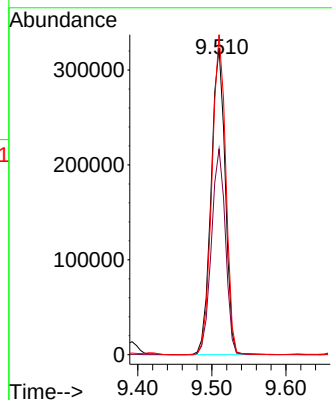
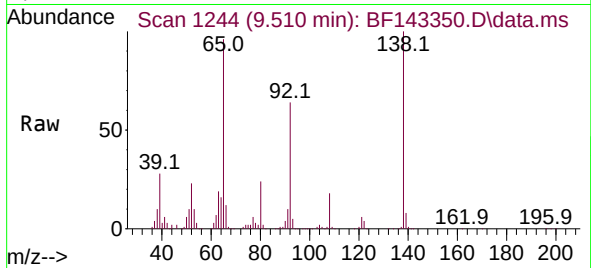




#48
2-Nitroaniline
Concen: 80.247 ng
RT: 9.510 min Scan# 1244
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

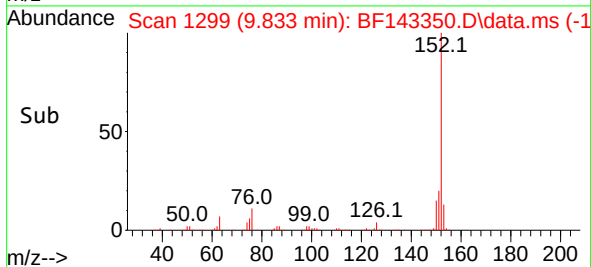
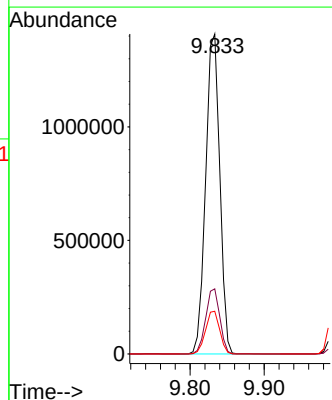
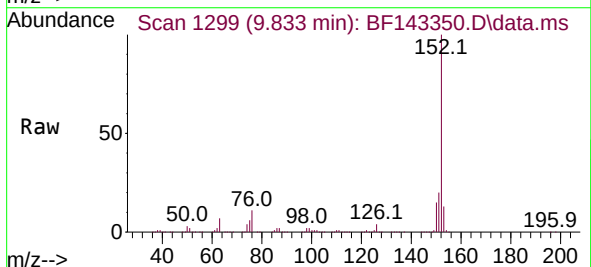
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

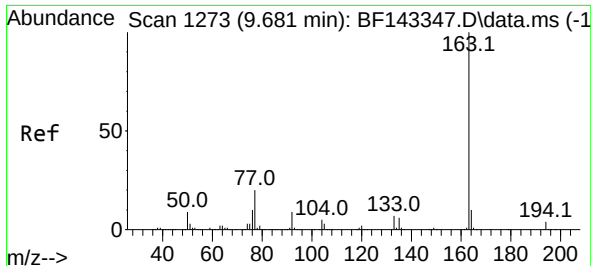
Tgt Ion: 65 Resp: 426490
Ion Ratio Lower Upper
65 100
92 67.1 53.1 79.7
138 104.4 81.4 122.0



#49
Acenaphthylene
Concen: 71.842 ng
RT: 9.833 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 152 Resp: 1865988
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 13.3 10.6 16.0

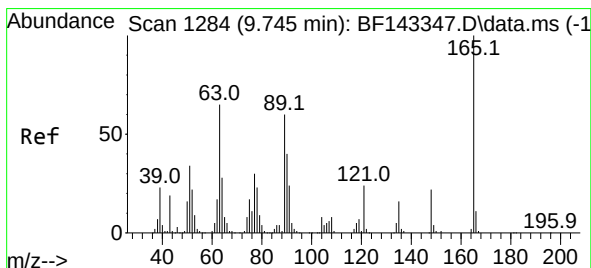
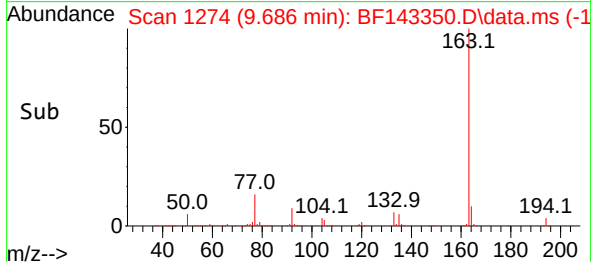
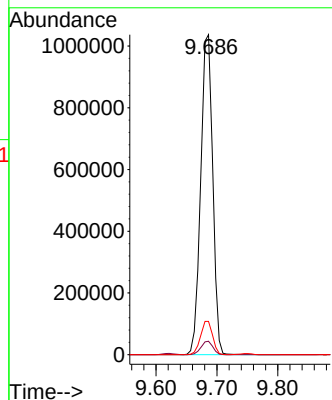
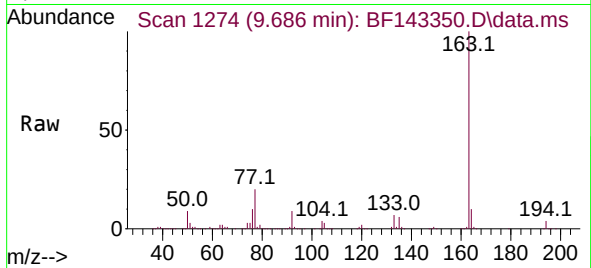




#50
Dimethylphthalate
Concen: 75.513 ng
RT: 9.686 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

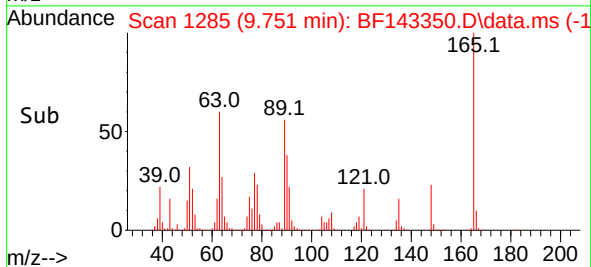
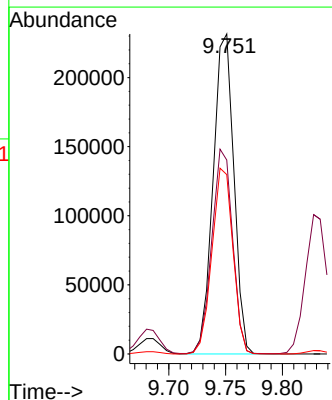
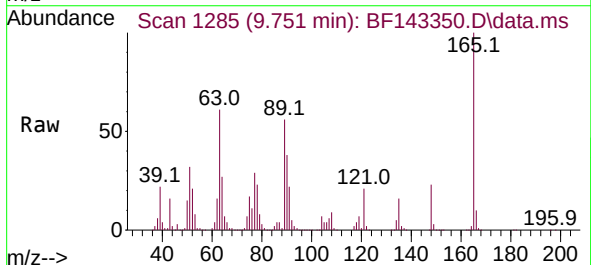
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

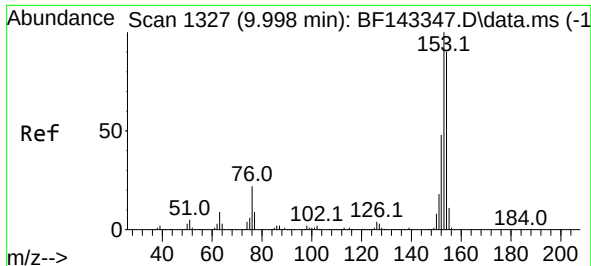
Tgt Ion:163 Resp: 1425124
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.4 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 80.211 ng
RT: 9.751 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:165 Resp: 294018
Ion Ratio Lower Upper
165 100
63 60.6 51.6 77.4
89 56.1 47.7 71.5

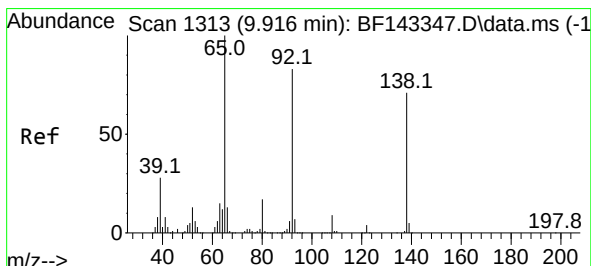
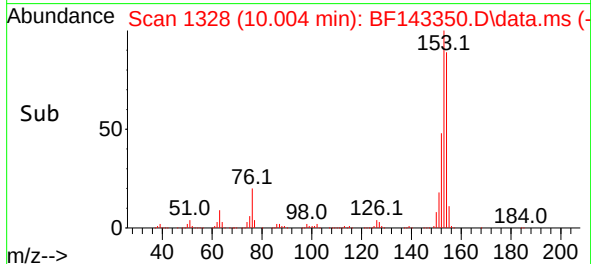
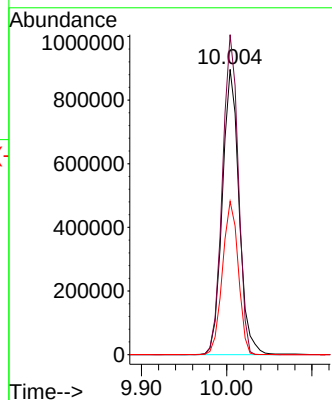
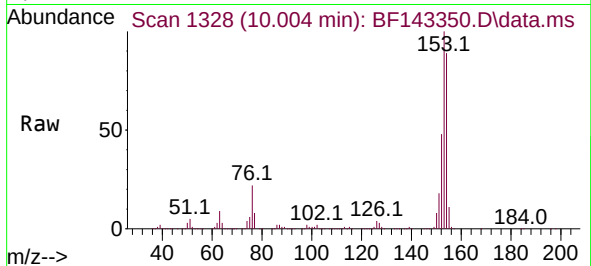




#52
Acenaphthene
Concen: 70.714 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

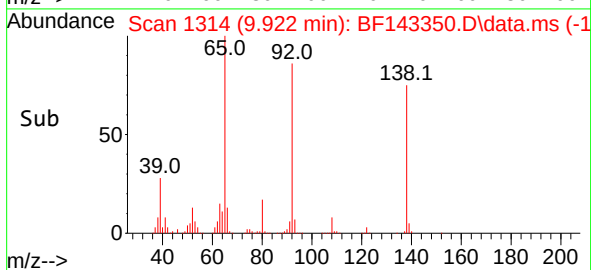
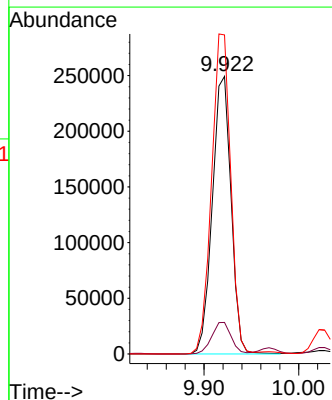
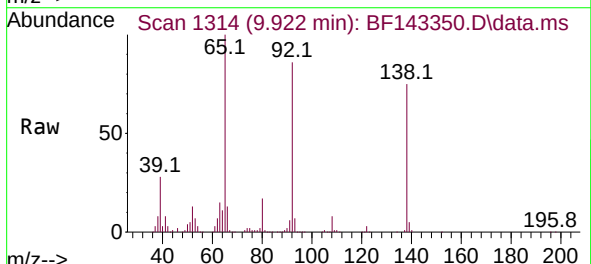
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

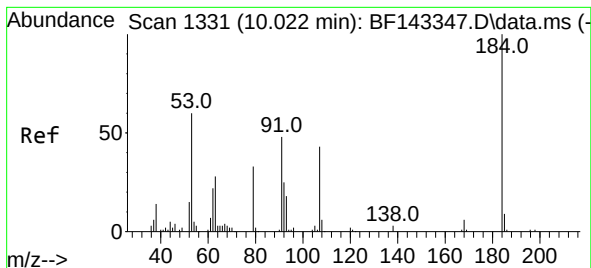
Tgt Ion:154 Resp: 1221046
Ion Ratio Lower Upper
154 100
153 112.2 88.5 132.7
152 53.7 42.4 63.6



#53
3-Nitroaniline
Concen: 88.887 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:138 Resp: 343541
Ion Ratio Lower Upper
138 100
108 11.3 9.6 14.4
92 114.9 93.4 140.2

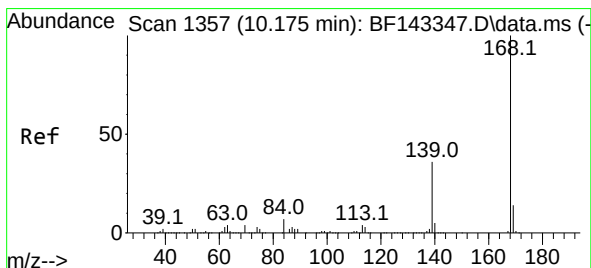
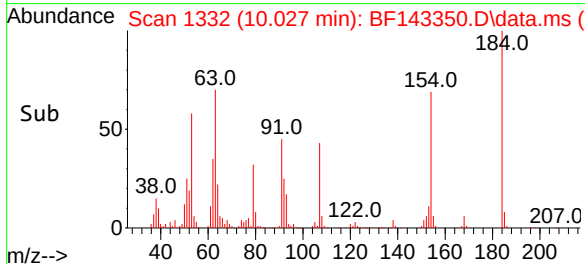
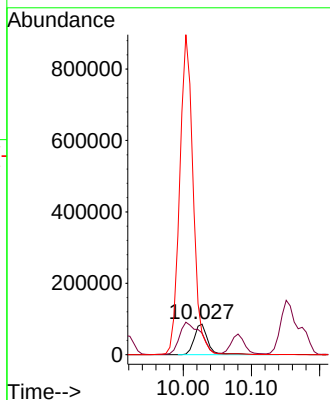
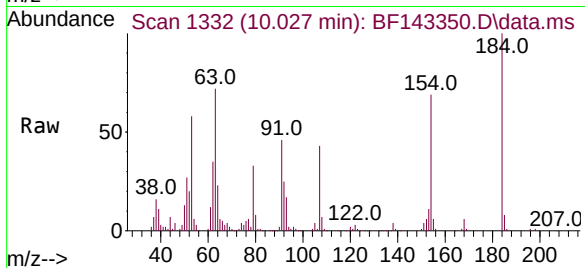




#54
2,4-Dinitrophenol
Concen: 79.041 ng
RT: 10.027 min Scan# 1331
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

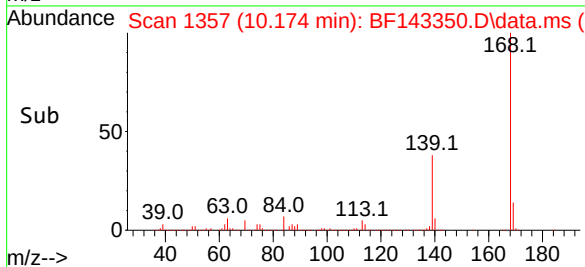
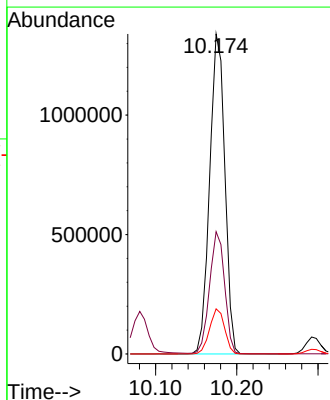
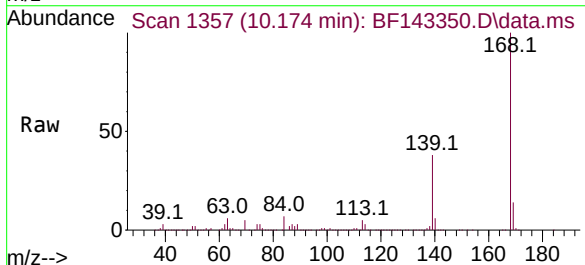
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

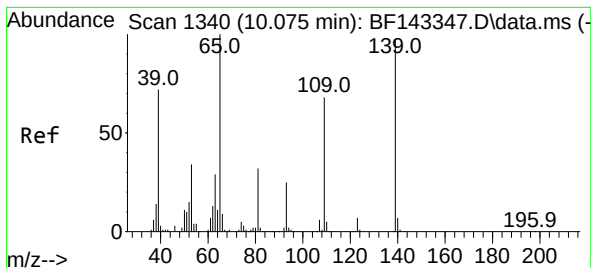
Tgt Ion:184 Resp: 118753
Ion Ratio Lower Upper
184 100
63 71.5 62.5 93.7
154 69.2 73.0 109.4#



#55
Dibenzofuran
Concen: 69.969 ng
RT: 10.174 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:168 Resp: 1738835
Ion Ratio Lower Upper
168 100
139 38.2 29.4 44.0
169 14.1 11.0 16.6

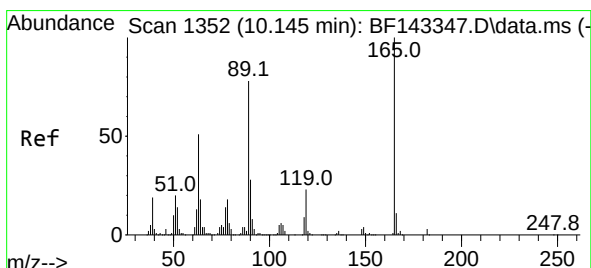
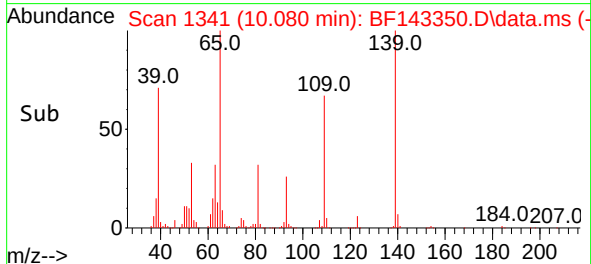
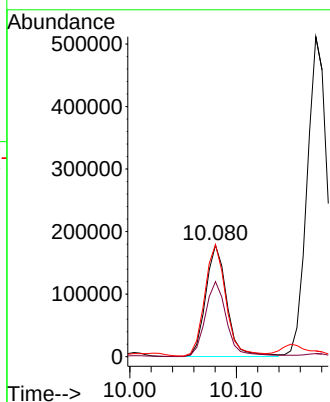
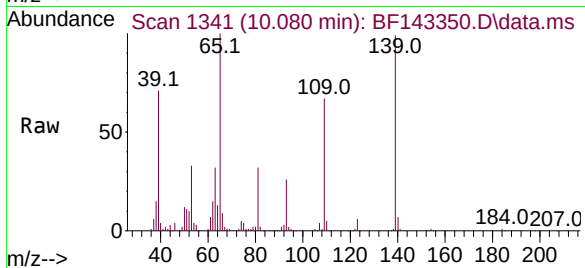




#56
4-Nitrophenol
Concen: 79.477 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

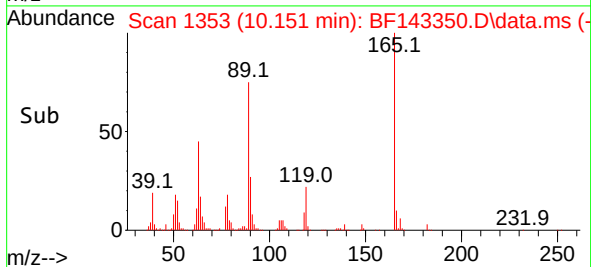
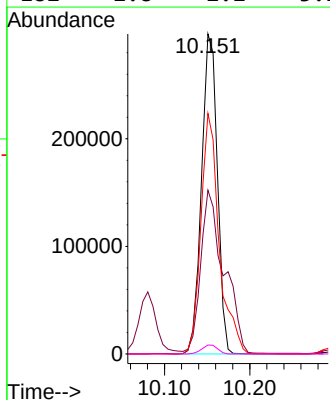
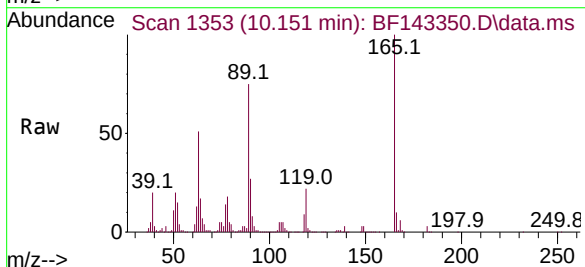
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

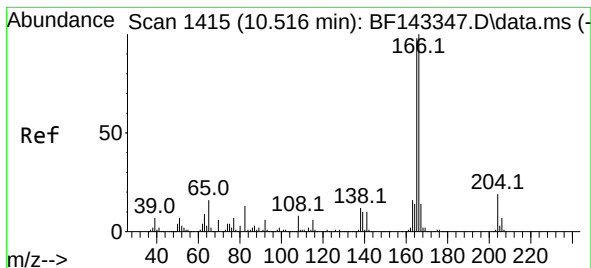
Tgt Ion:139 Resp: 245374
Ion Ratio Lower Upper
139 100
109 67.4 49.4 89.4
65 100.6 83.7 123.7



#57
2,4-Dinitrotoluene
Concen: 78.864 ng
RT: 10.151 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:165 Resp: 383533
Ion Ratio Lower Upper
165 100
63 51.2 41.8 62.8
89 75.1 62.4 93.6
182 2.8 2.2 3.2





#58

Fluorene

Concen: 67.103 ng

RT: 10.522 min Scan# 1416

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

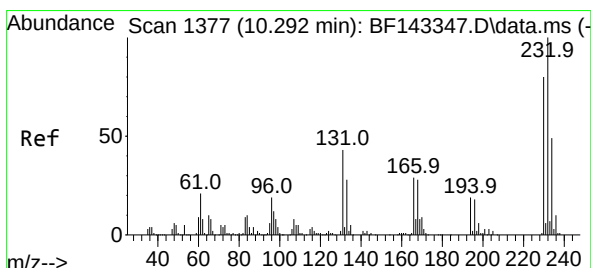
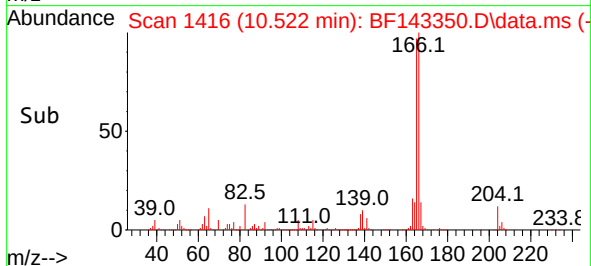
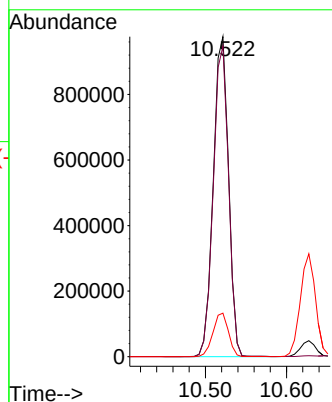
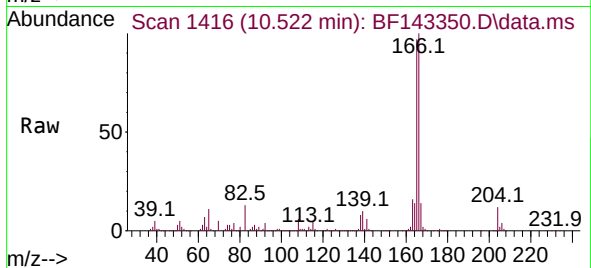
Tgt Ion:166 Resp: 1273759

Ion Ratio Lower Upper

166 100

165 97.0 78.2 117.4

167 13.6 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 91.466 ng

RT: 10.292 min Scan# 1377

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Tgt Ion:232 Resp: 349157

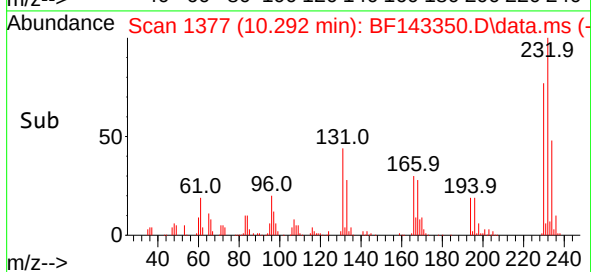
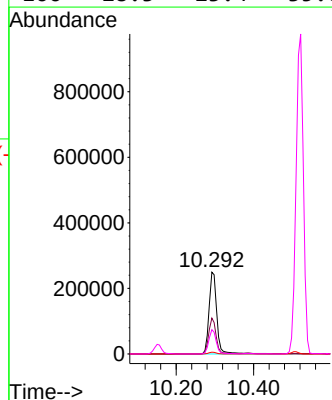
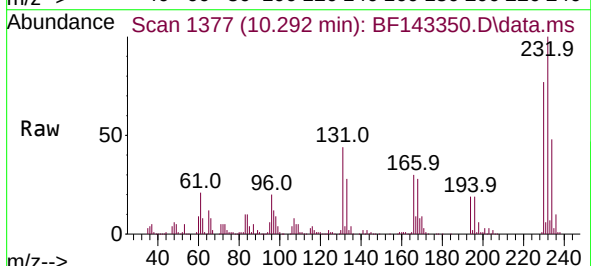
Ion Ratio Lower Upper

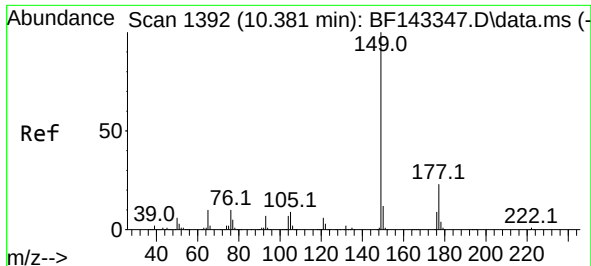
232 100

131 41.7 34.6 51.8

130 2.1 1.7 2.5

166 28.3 23.4 35.0

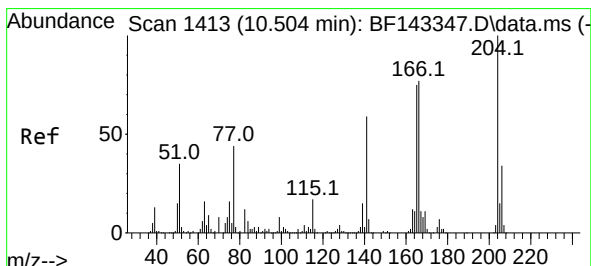
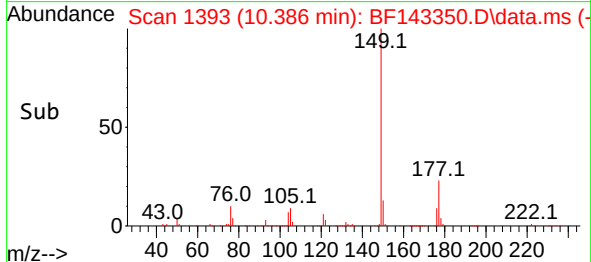
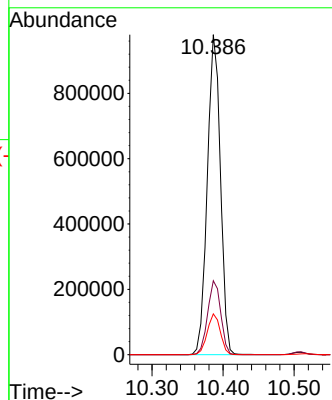
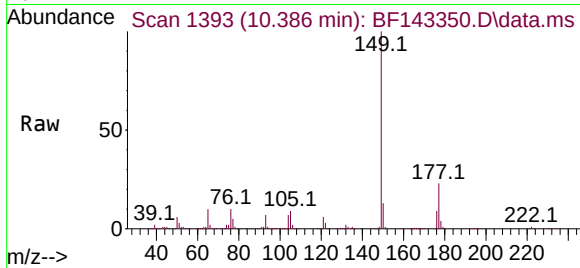




#60
Diethylphthalate
Concen: 74.465 ng
RT: 10.386 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

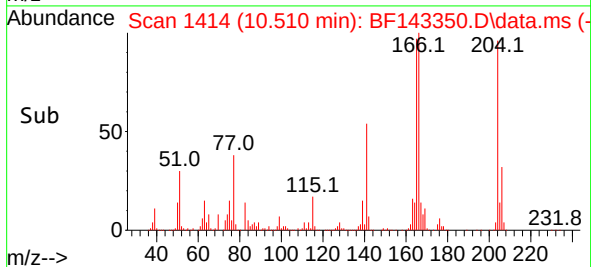
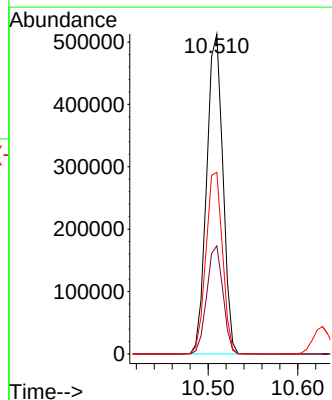
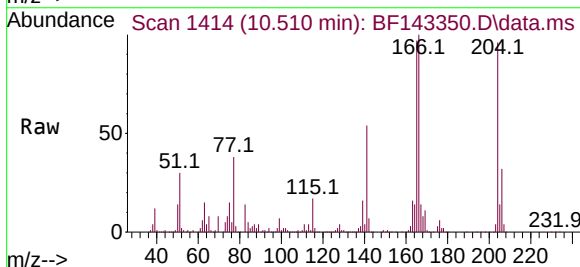
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

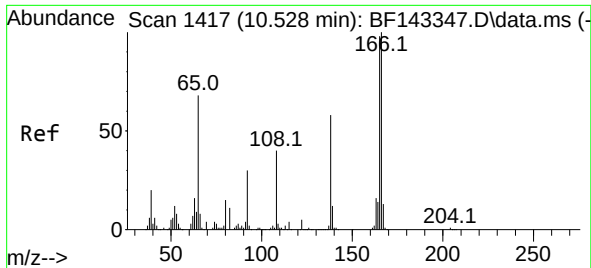
Tgt Ion:149 Resp: 1258798
Ion Ratio Lower Upper
149 100
177 23.1 18.2 27.2
150 12.8 9.9 14.9



#61
4-Chlorophenyl-phenylether
Concen: 70.191 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:204 Resp: 643793
Ion Ratio Lower Upper
204 100
206 33.8 27.4 41.2
141 56.8 46.9 70.3

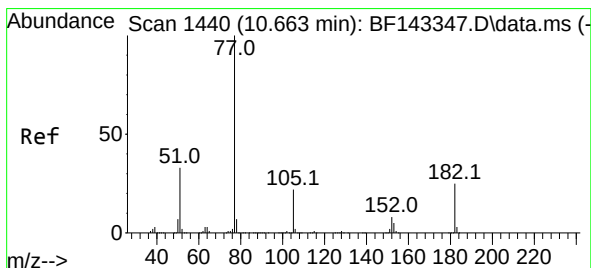
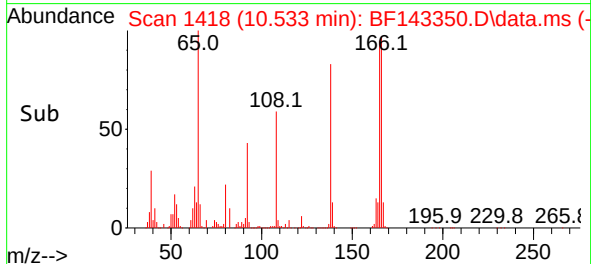
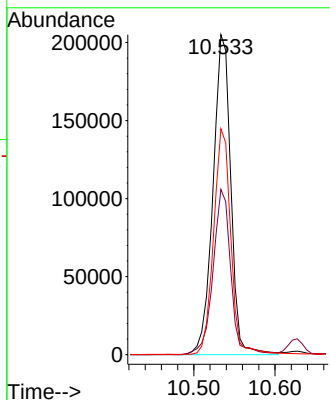
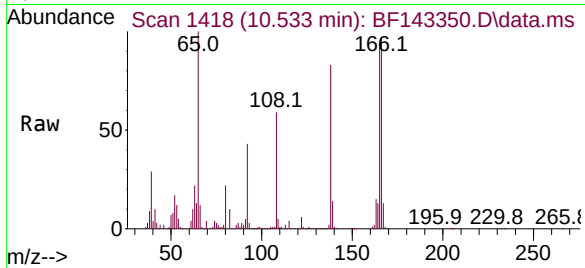




#62
4-Nitroaniline
Concen: 83.616 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

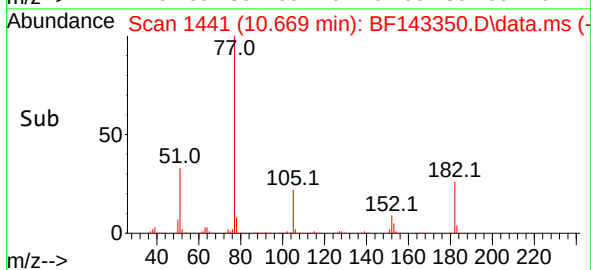
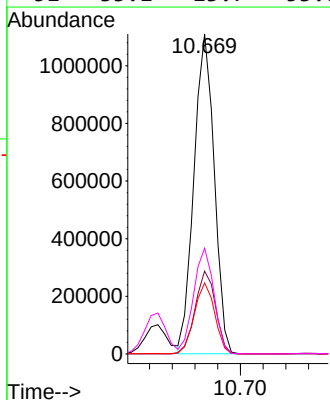
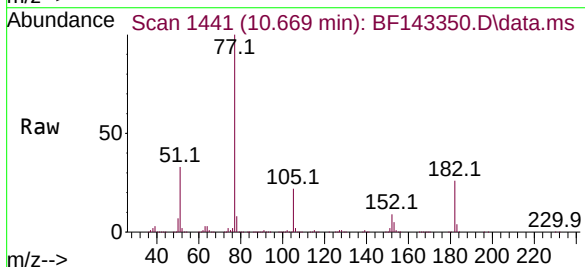
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

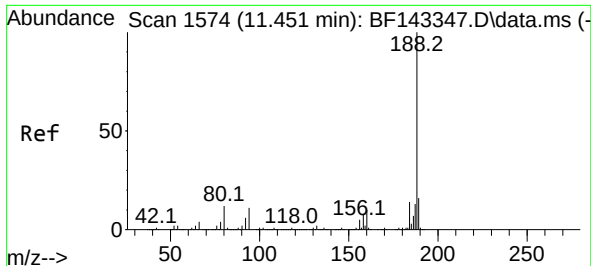
Tgt Ion:138 Resp: 312667
Ion Ratio Lower Upper
138 100
92 51.7 31.2 71.2
108 70.6 48.1 88.1



#63
Azobenzene
Concen: 71.269 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 77 Resp: 1376109
Ion Ratio Lower Upper
77 100
182 25.9 4.4 44.4
105 22.2 1.8 41.8
51 33.1 13.7 53.7

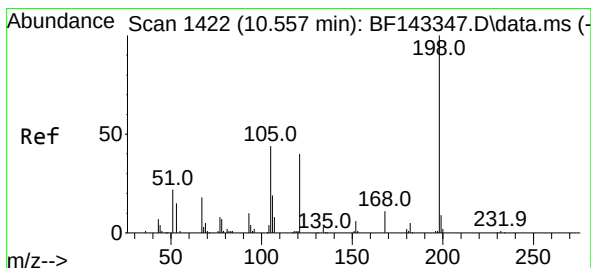
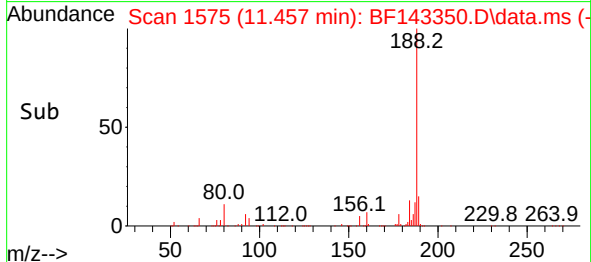
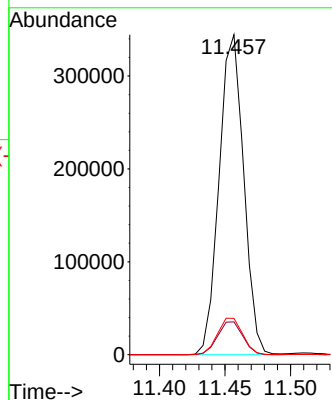
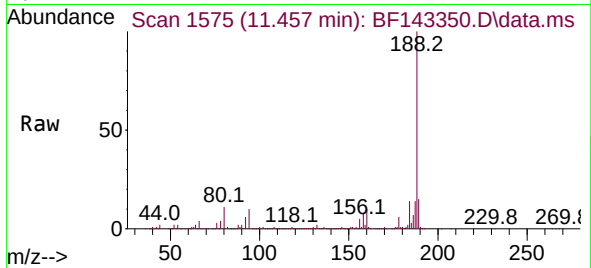




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

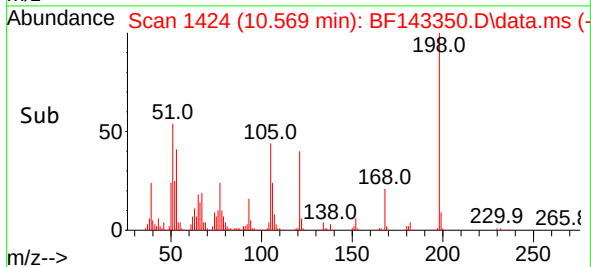
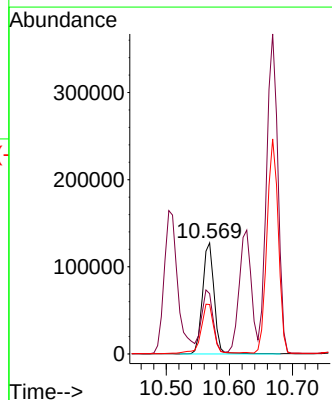
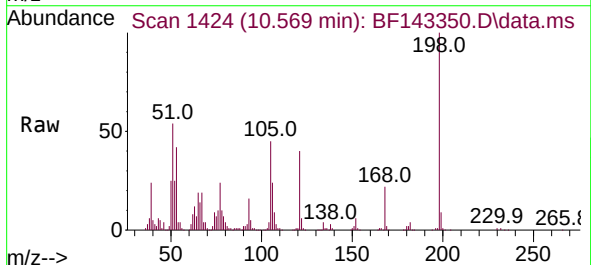
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

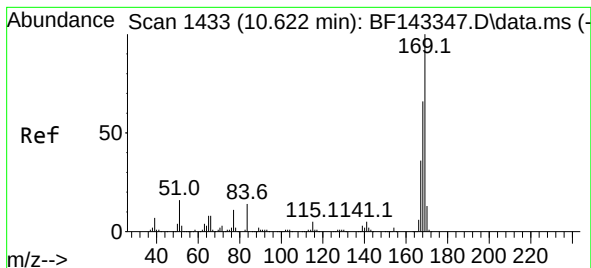
Tgt Ion:188 Resp: 448378
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 11.4 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 83.490 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:198 Resp: 162929
Ion Ratio Lower Upper
198 100
51 54.2 41.7 81.7
105 44.5 26.8 66.8





#66

n-Nitrosodiphenylamine

Concen: 76.190 ng

RT: 10.627 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

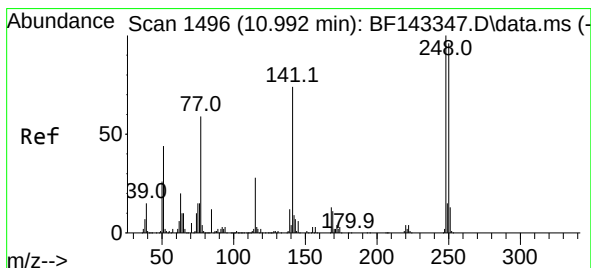
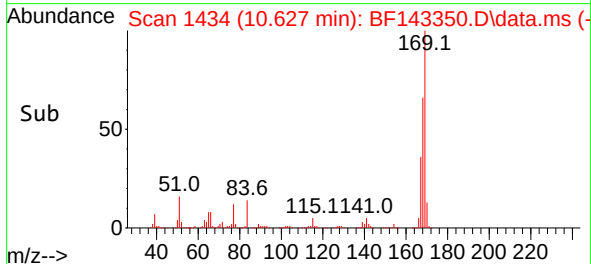
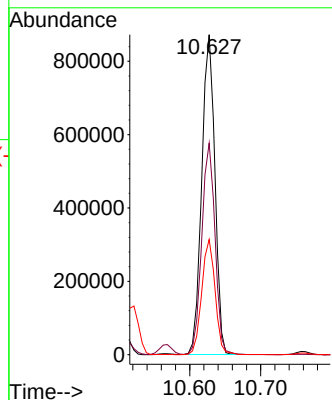
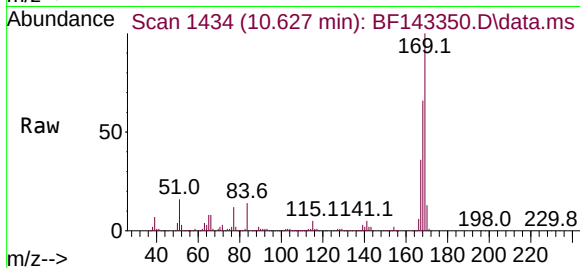
Tgt Ion:169 Resp: 1124872

Ion Ratio Lower Upper

169 100

168 66.1 52.7 79.1

167 36.0 28.6 42.8



#67

4-Bromophenyl-phenylether

Concen: 79.007 ng

RT: 10.998 min Scan# 1497

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

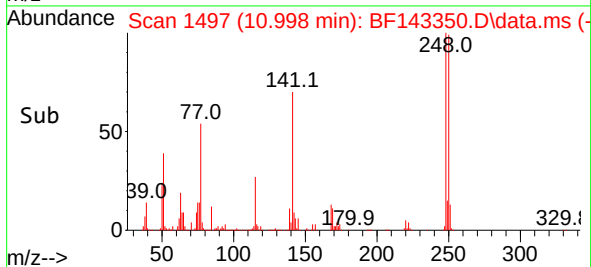
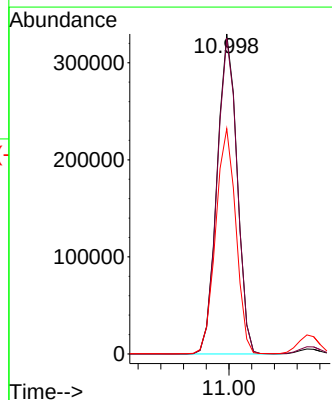
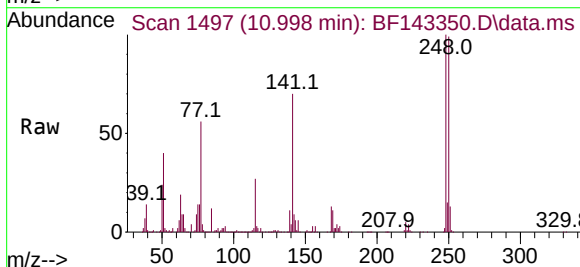
Tgt Ion:248 Resp: 405148

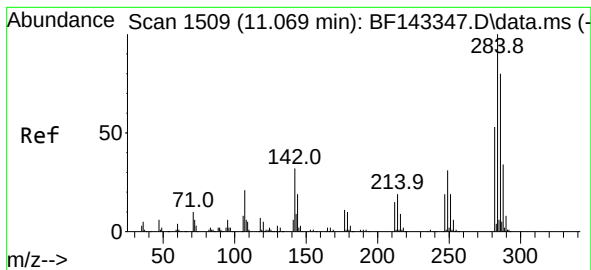
Ion Ratio Lower Upper

248 100

250 98.7 77.1 115.7

141 70.4 59.1 88.7





#68

Hexachlorobenzene

Concen: 78.001 ng

RT: 11.074 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

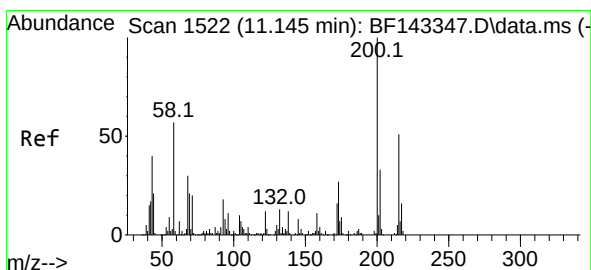
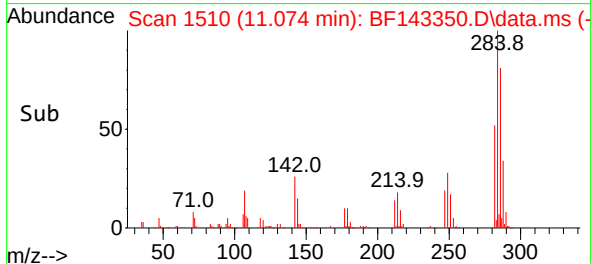
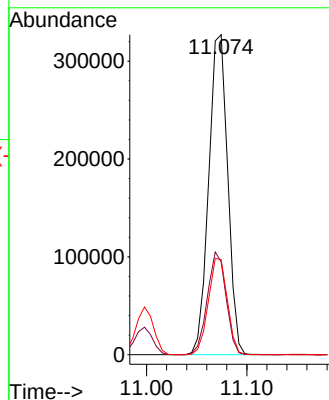
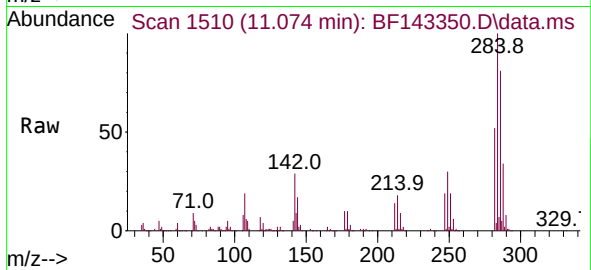
Tgt Ion:284 Resp: 431148

Ion Ratio Lower Upper

284 100

142 29.0 25.7 38.5

249 29.7 24.6 37.0



#69

Atrazine

Concen: 80.438 ng

RT: 11.151 min Scan# 1523

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

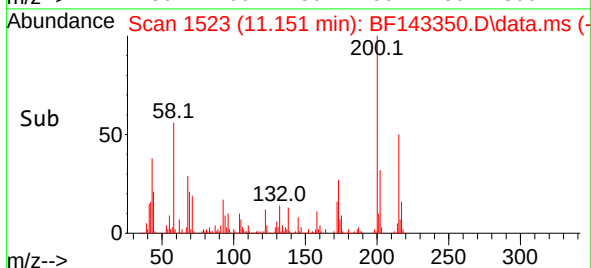
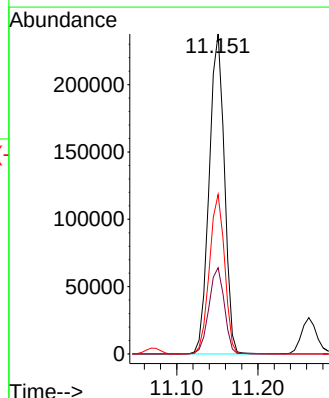
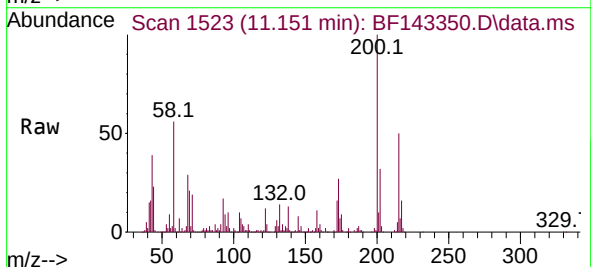
Tgt Ion:200 Resp: 309748

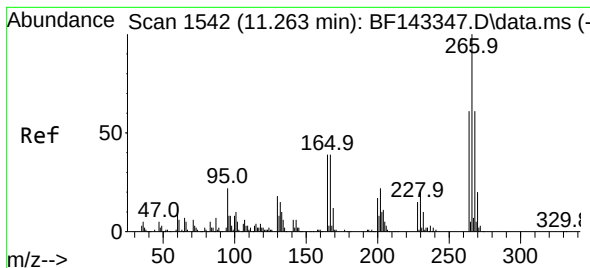
Ion Ratio Lower Upper

200 100

173 26.9 6.6 46.6

215 49.8 30.6 70.6

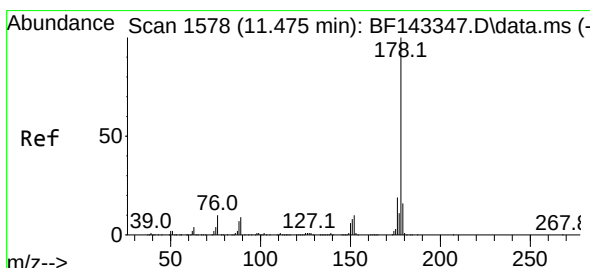
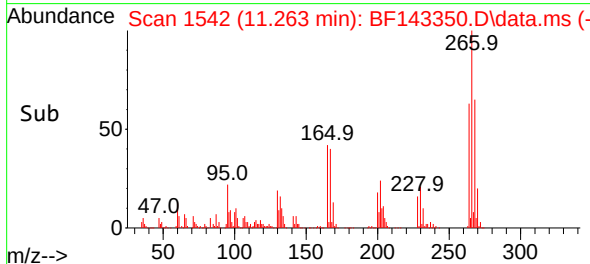
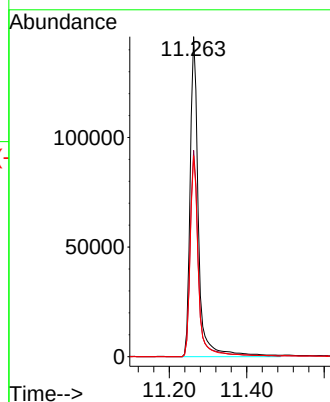
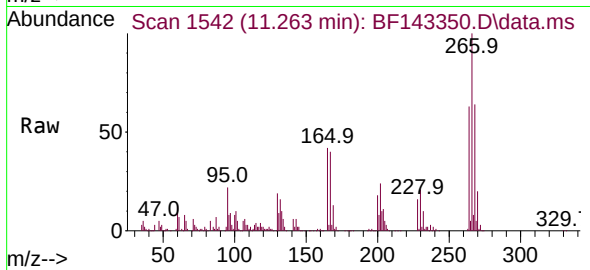




#70
Pentachlorophenol
Concen: 80.616 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

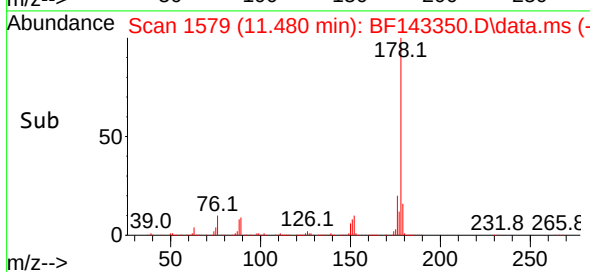
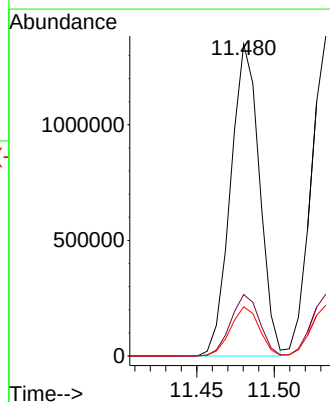
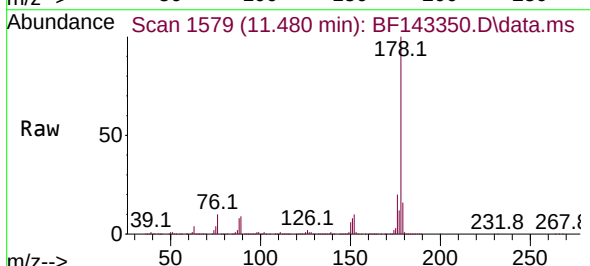
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

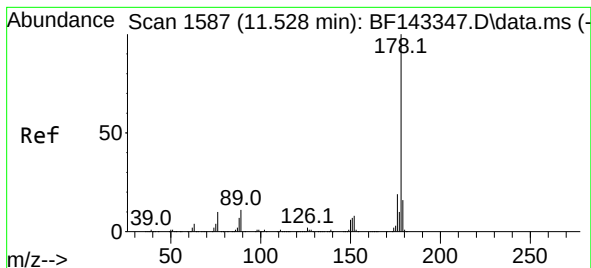
Tgt Ion:266 Resp: 218250
Ion Ratio Lower Upper
266 100
268 64.5 48.8 73.2
264 62.8 48.8 73.2



#71
Phenanthrene
Concen: 71.351 ng
RT: 11.480 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:178 Resp: 1745493
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.7 12.5 18.7





#72

Anthracene

Concen: 70.871 ng

RT: 11.533 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

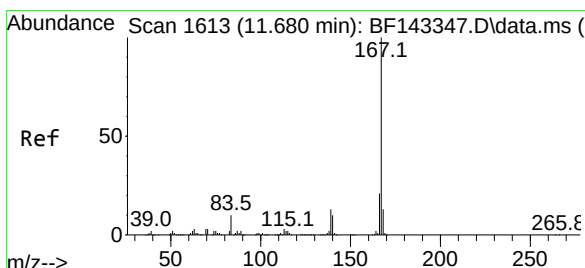
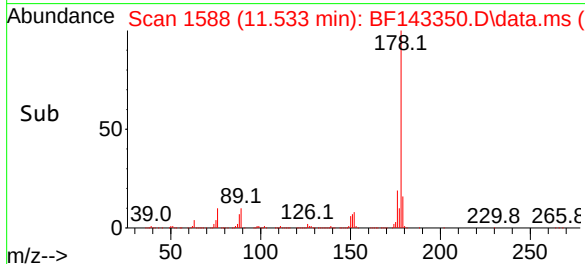
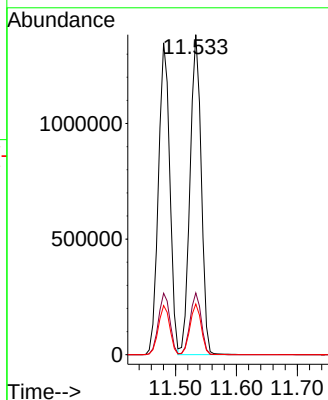
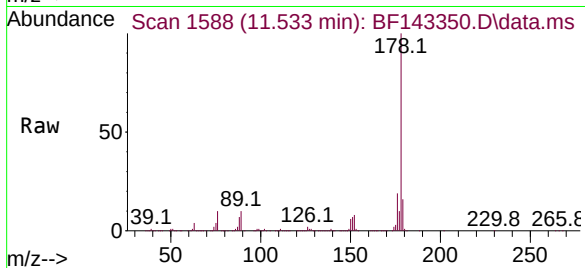
Tgt Ion:178 Resp: 1758274

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.9 12.7 19.1



#73

Carbazole

Concen: 70.029 ng

RT: 11.686 min Scan# 1614

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

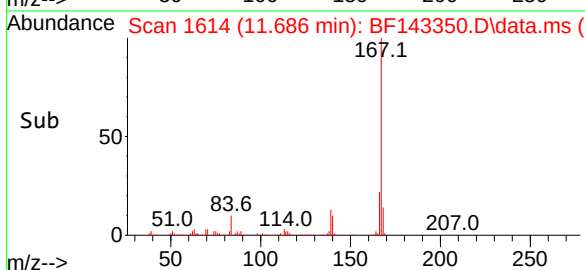
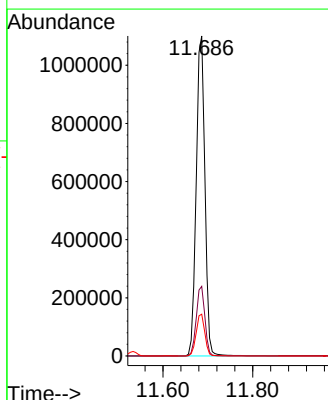
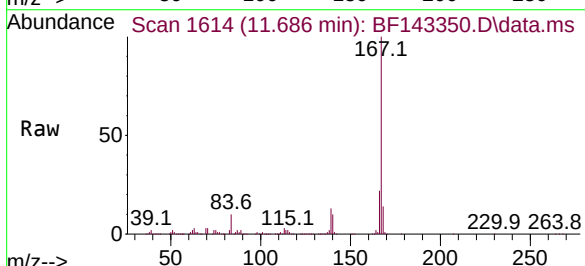
Tgt Ion:167 Resp: 1479652

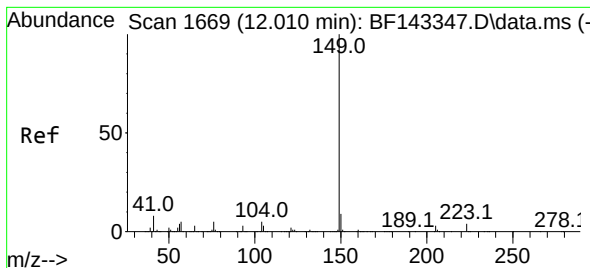
Ion Ratio Lower Upper

167 100

166 21.7 16.8 25.2

139 13.1 10.2 15.2

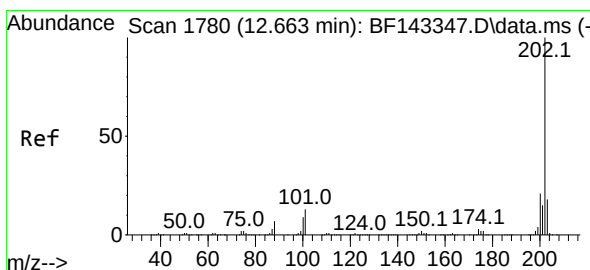
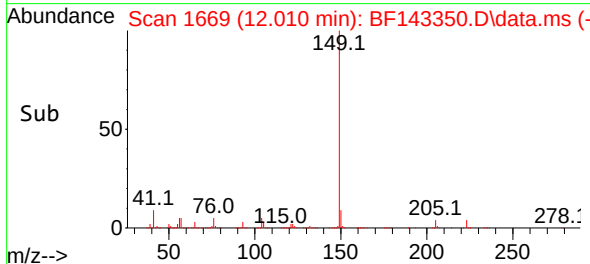
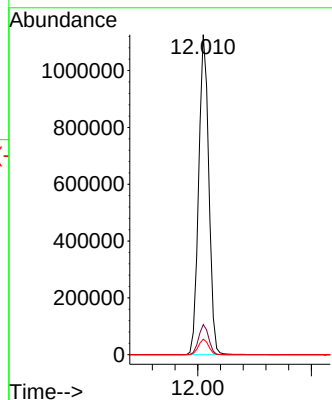
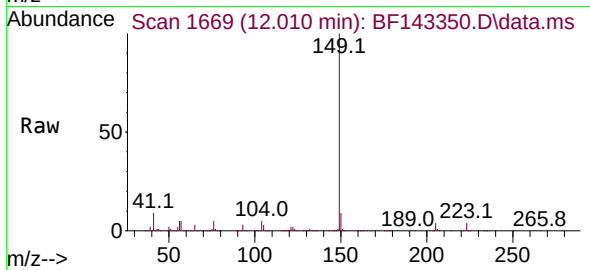




#74
Di-n-butylphthalate
Concen: 78.244 ng
RT: 12.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

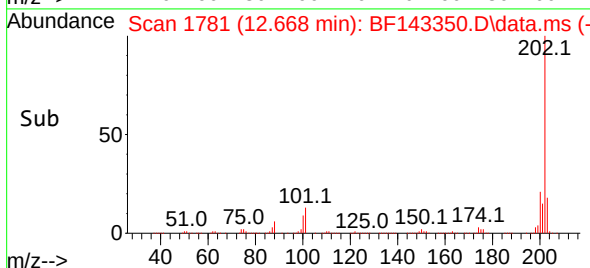
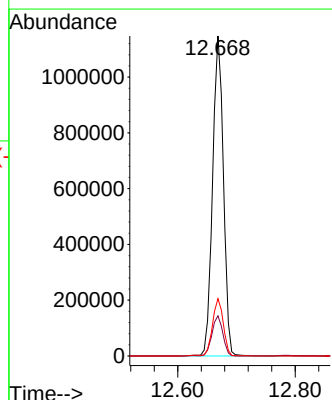
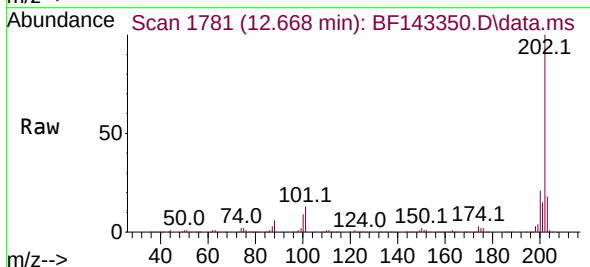
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

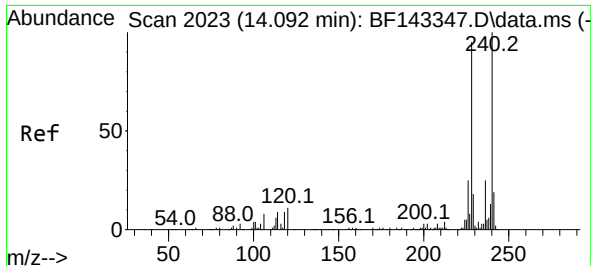
Tgt Ion:149 Resp: 1398975
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.0
104 4.9 3.8 5.8



#75
Fluoranthene
Concen: 68.634 ng
RT: 12.668 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:202 Resp: 1470742
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 17.9 0.0 37.6

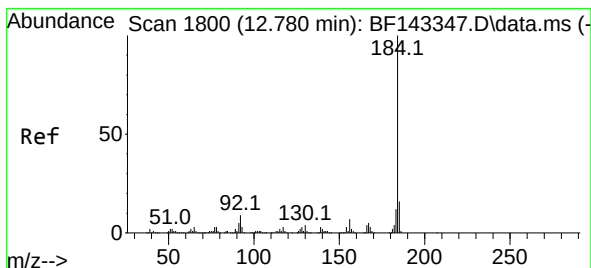
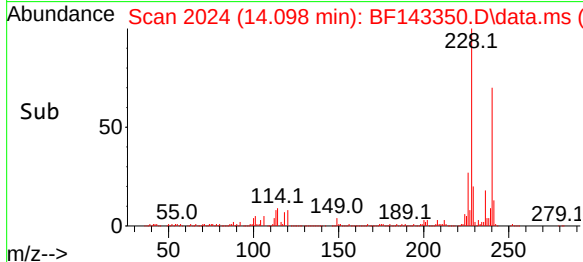
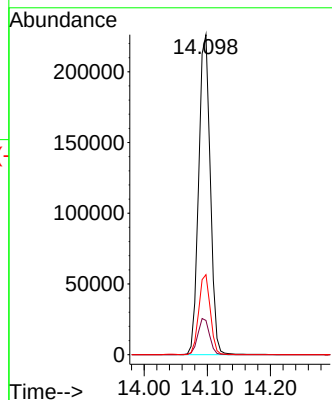
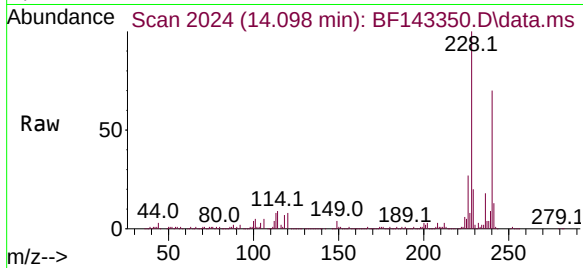




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

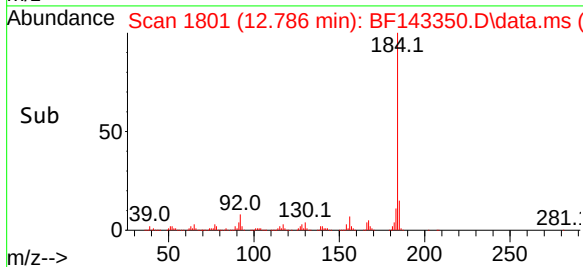
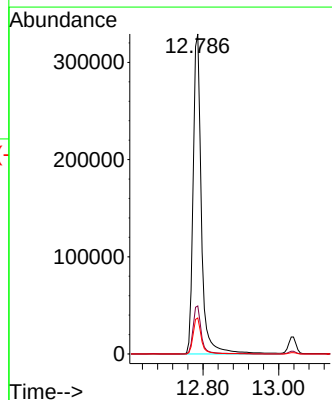
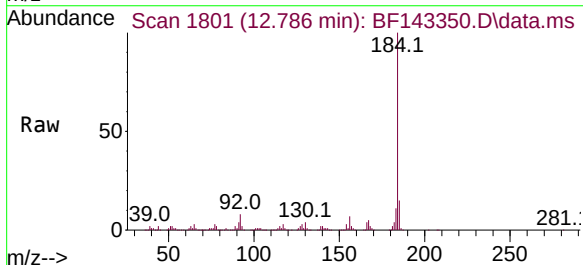
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

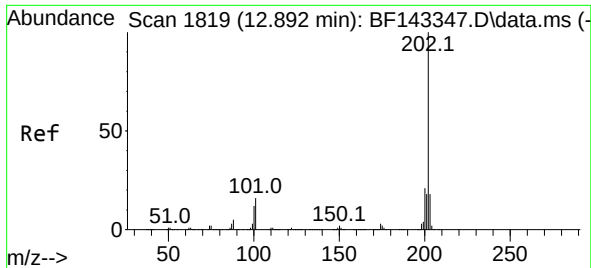
Tgt Ion:240 Resp: 287871
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.6
236 25.0 19.9 29.9



#77
Benzidine
Concen: 63.571 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:184 Resp: 500314
Ion Ratio Lower Upper
184 100
185 15.0 12.8 19.2
183 11.2 9.3 13.9

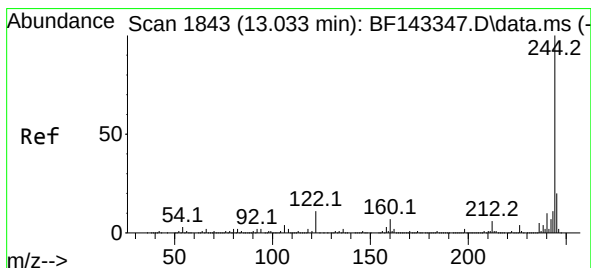
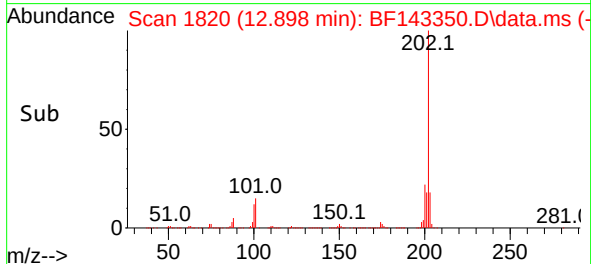
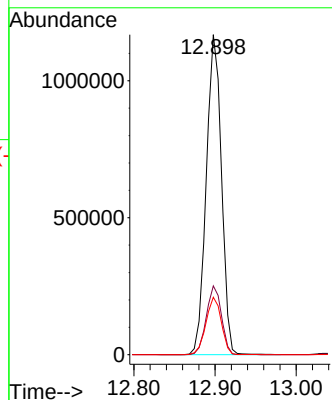
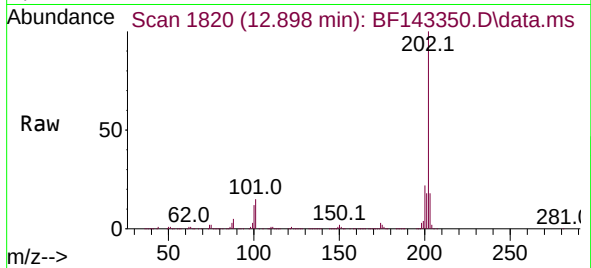




#78
Pyrene
Concen: 62.684 ng
RT: 12.898 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

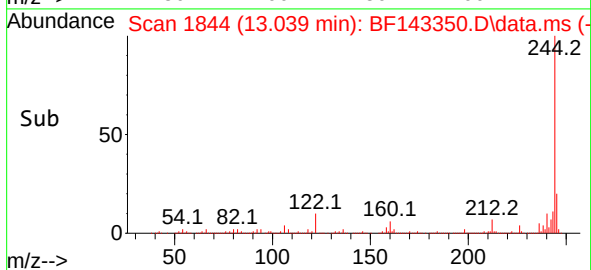
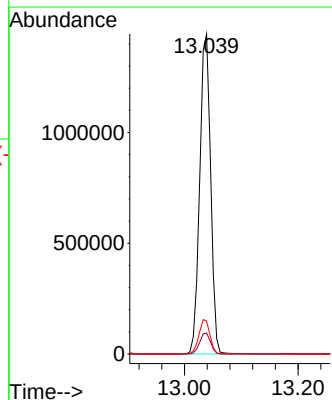
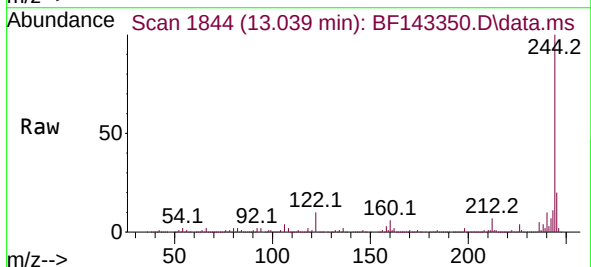
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

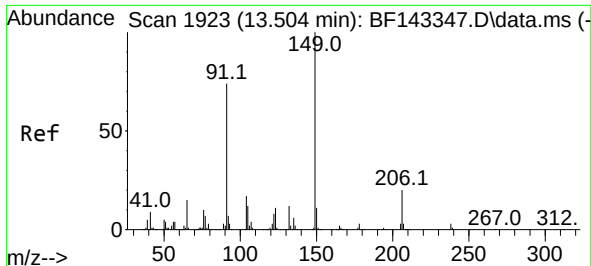
Tgt Ion:202 Resp: 1513789
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 18.0 14.2 21.4



#79
Terphenyl-d14
Concen: 120.053 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:244 Resp: 1935761
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 10.2 8.9 13.3

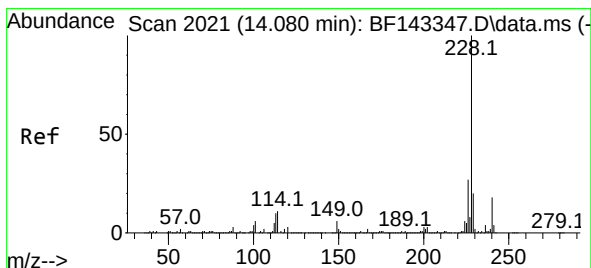
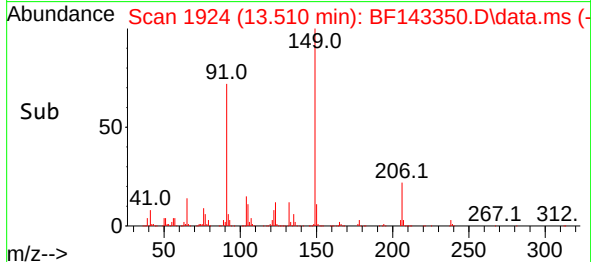
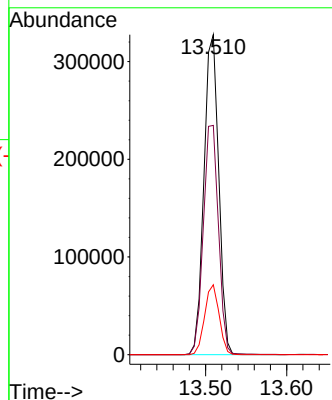
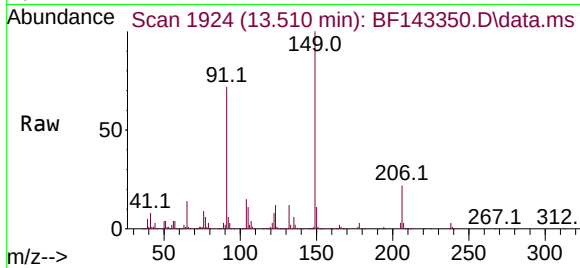




#80
Butylbenzylphthalate
Concen: 84.007 ng
RT: 13.510 min Scan# 1923
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

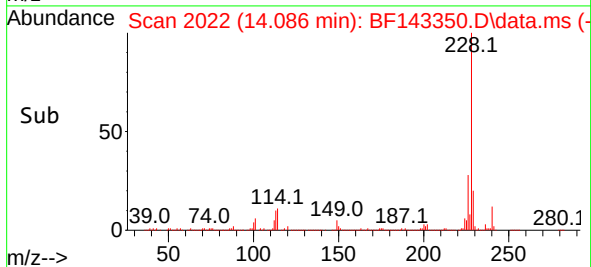
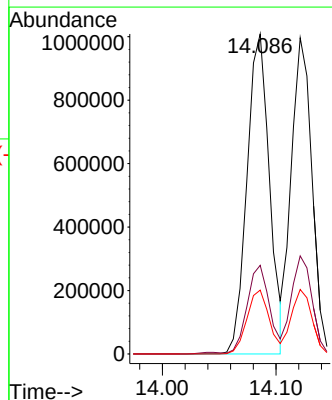
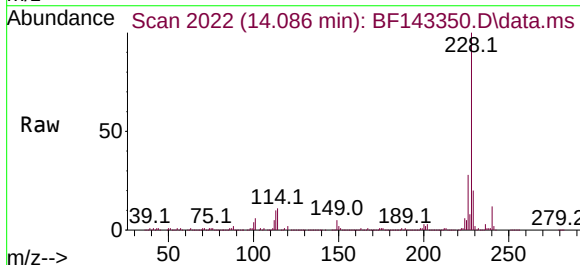
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

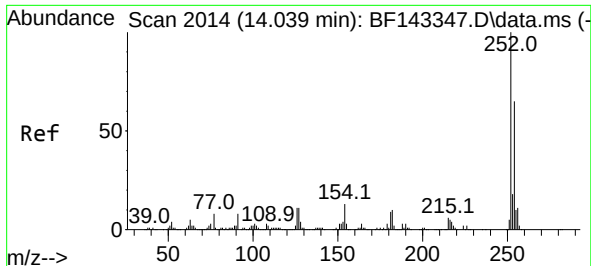
Tgt Ion:149 Resp: 413801
Ion Ratio Lower Upper
149 100
91 71.6 58.8 88.2
206 21.9 16.4 24.6



#81
Benzo(a)anthracene
Concen: 75.847 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

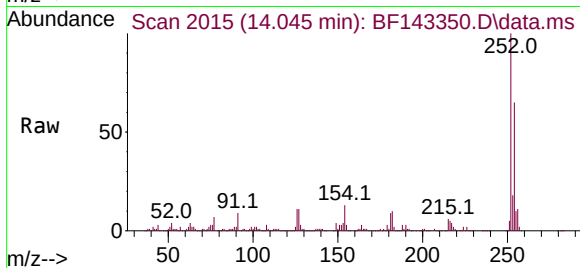
Tgt Ion:228 Resp: 1387766
Ion Ratio Lower Upper
228 100
226 27.7 22.0 33.0
229 19.9 15.8 23.8



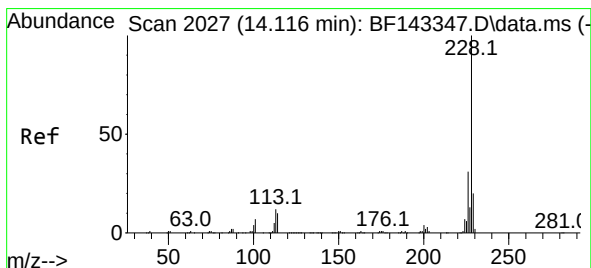
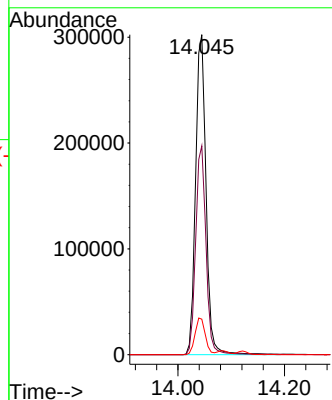
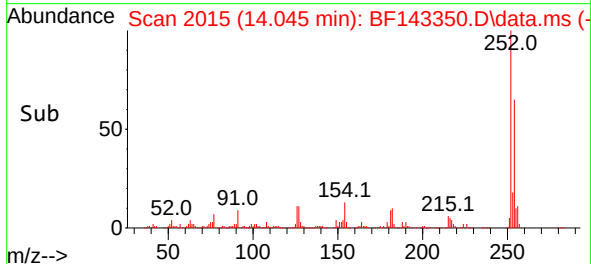


#82
 3,3'-Dichlorobenzidine
 Concen: 83.540 ng
 RT: 14.045 min Scan# 2014
 Delta R.T. 0.006 min
 Lab File: BF143350.D
 Acq: 12 Aug 2025 12:38

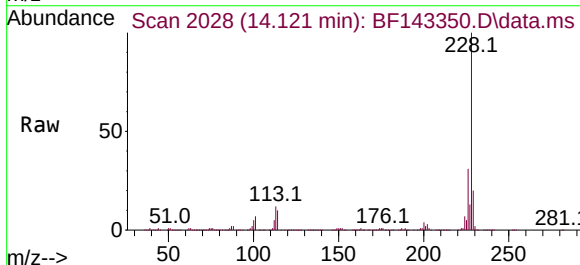
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080



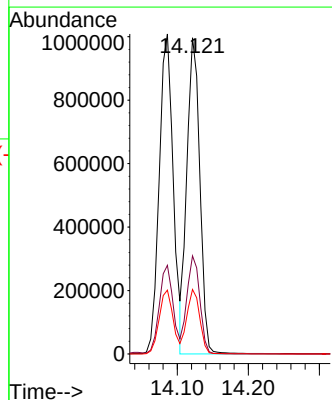
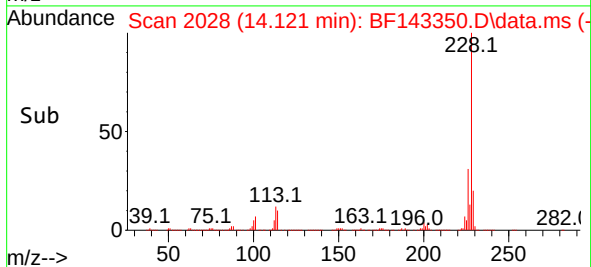
Tgt Ion:252 Resp: 412736
 Ion Ratio Lower Upper
 252 100
 254 65.2 51.7 77.5
 126 11.1 9.2 13.8

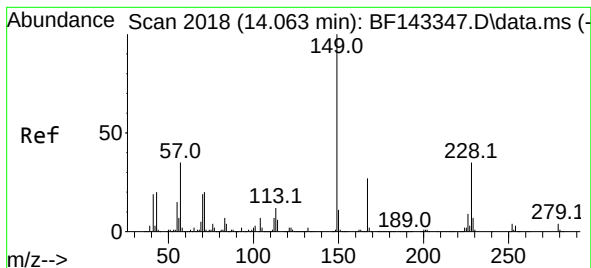


#83
 Chrysene
 Concen: 74.077 ng
 RT: 14.121 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: BF143350.D
 Acq: 12 Aug 2025 12:38



Tgt Ion:228 Resp: 1263816
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.2 36.2
 229 20.4 15.8 23.6

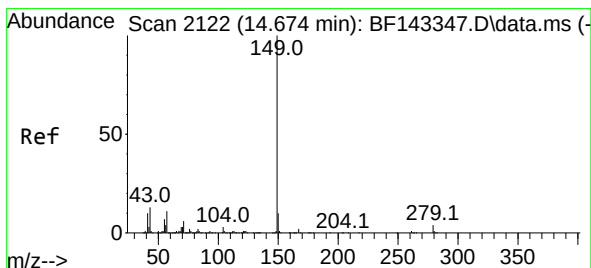
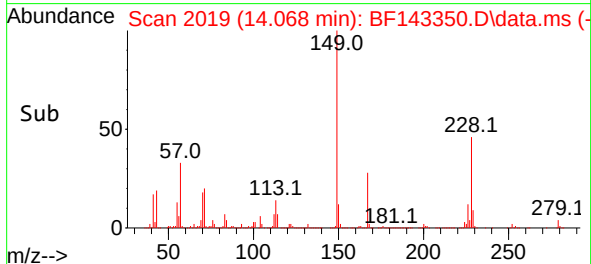
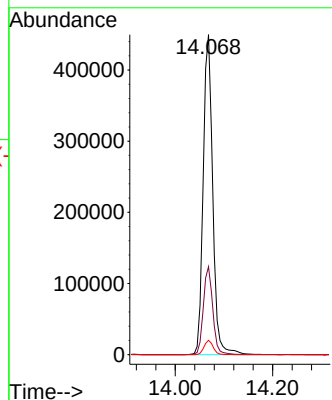
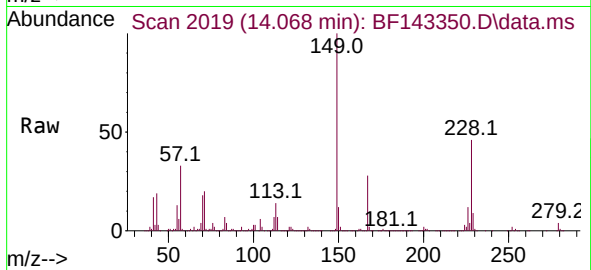




#84
Bis(2-ethylhexyl)phthalate
Concen: 83.803 ng
RT: 14.068 min Scan# 2018
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

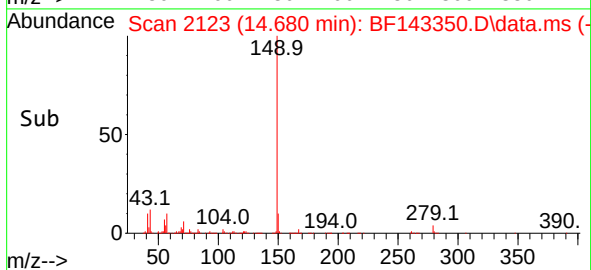
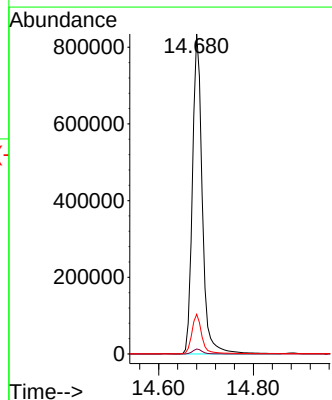
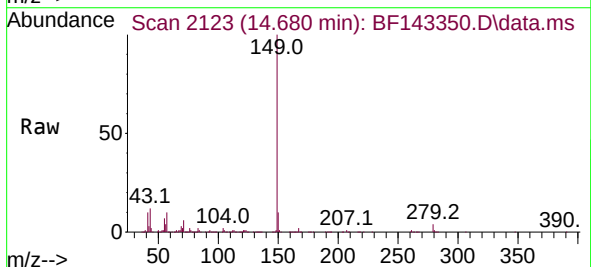
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

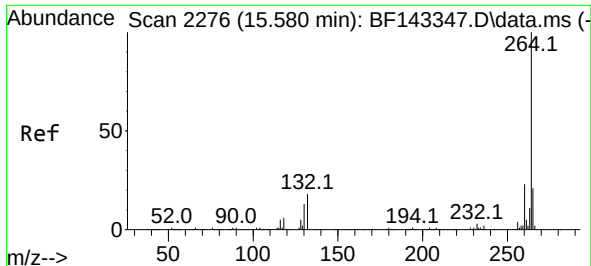
Tgt Ion:149 Resp: 611031
Ion Ratio Lower Upper
149 100
167 27.5 21.4 32.0
279 4.5 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 81.478 ng
RT: 14.680 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

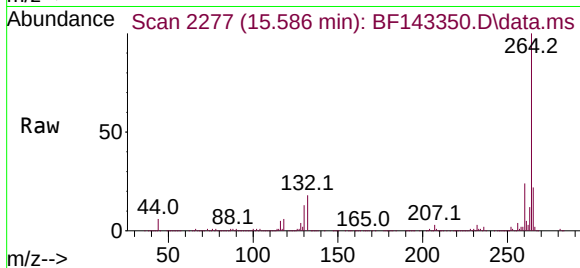
Tgt Ion:149 Resp: 1205873
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.6 10.8 16.2



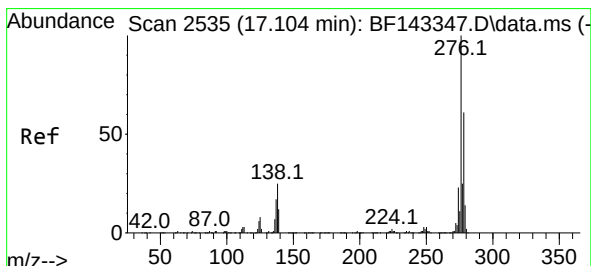
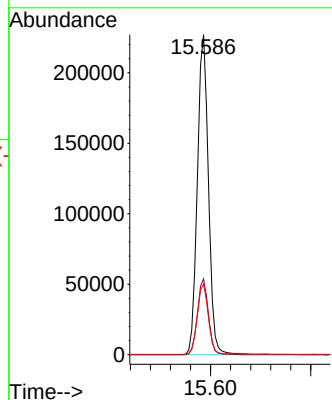
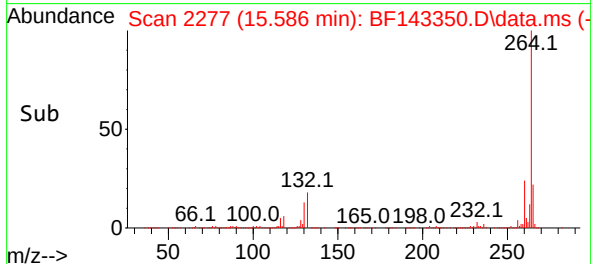


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

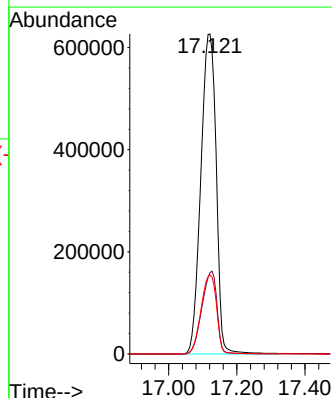
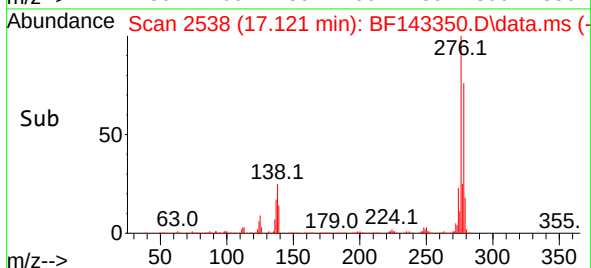
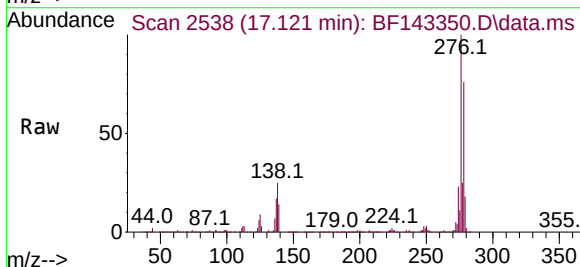


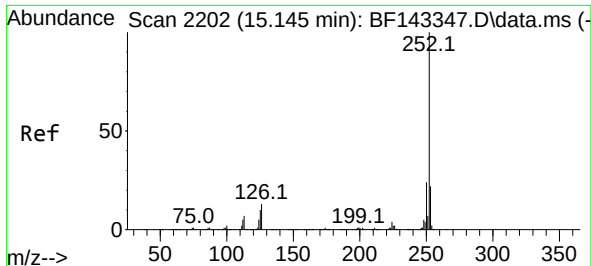
Tgt Ion:264 Resp: 348017
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.0 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 78.760 ng
RT: 17.121 min Scan# 2538
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:276 Resp: 1963736
Ion Ratio Lower Upper
276 100
138 25.3 21.1 31.7
277 24.9 20.2 30.2

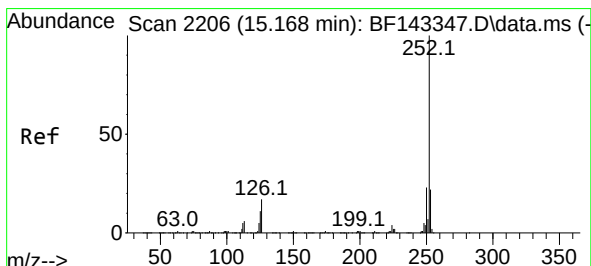
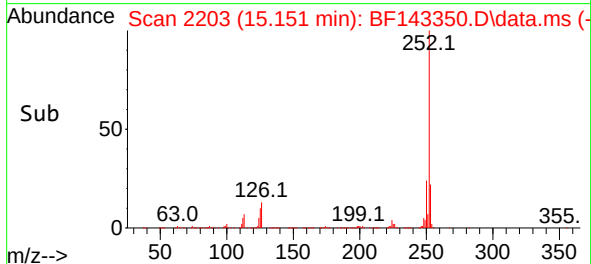
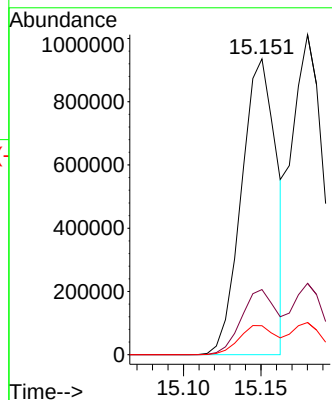
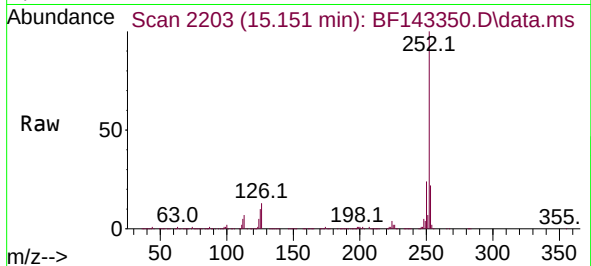




#88
Benzo(b)fluoranthene
Concen: 77.108 ng
RT: 15.151 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

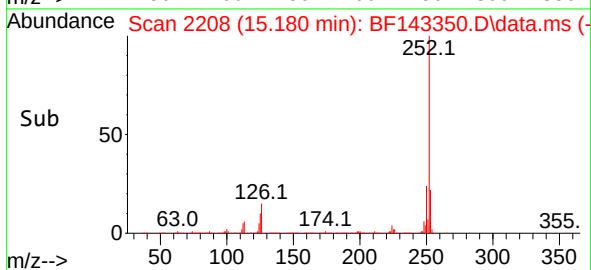
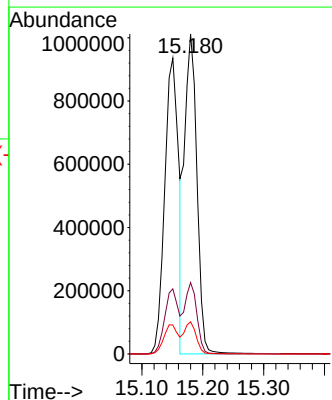
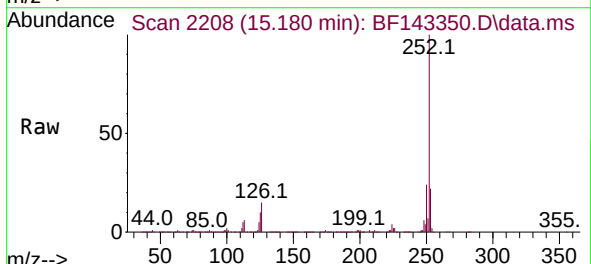
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

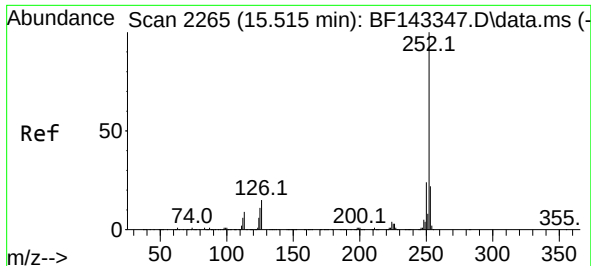
Tgt Ion:252 Resp: 1467752
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 9.8 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 77.299 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:252 Resp: 1429731
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 10.0 8.4 12.6

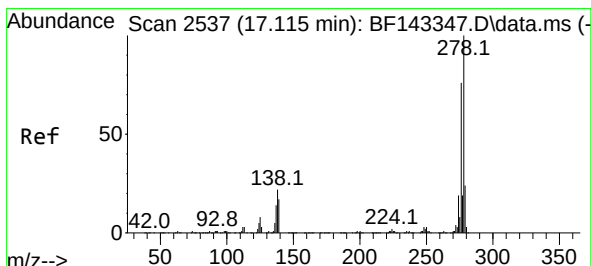
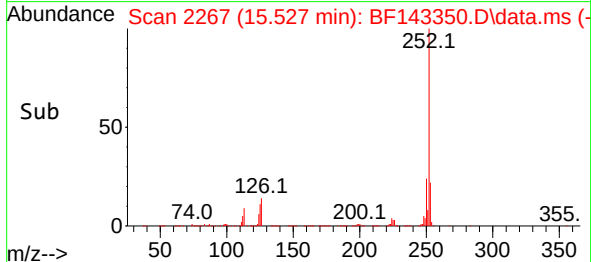
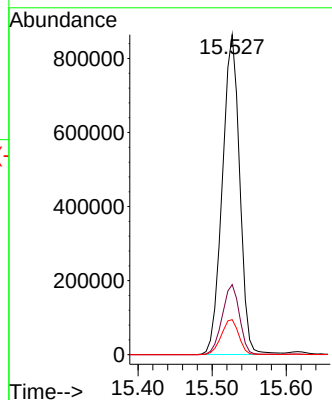
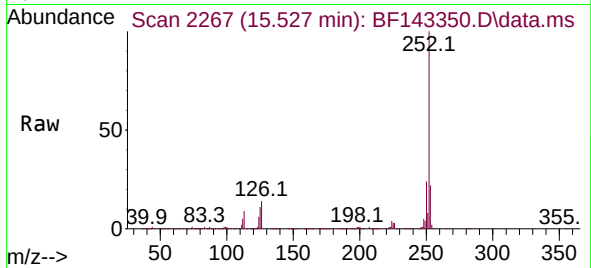




#90
Benzo(a)pyrene
Concen: 78.270 ng
RT: 15.527 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

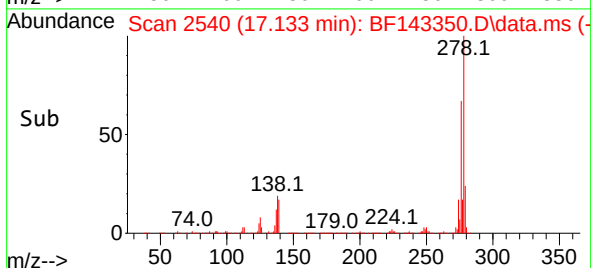
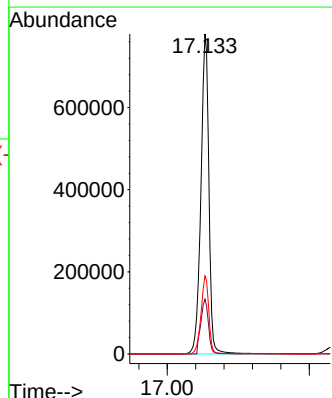
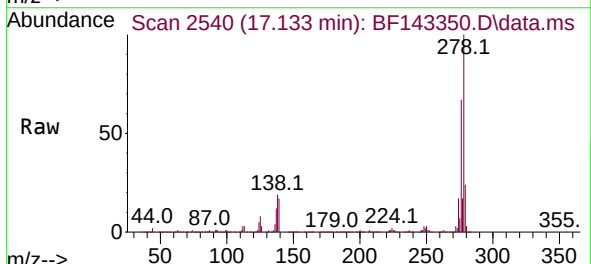
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

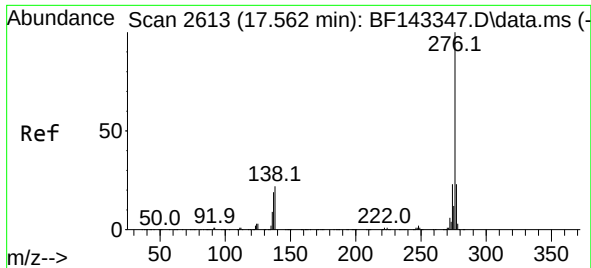
Tgt Ion:252 Resp: 1403212
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 11.0 9.1 13.7



#91
Dibenzo(a,h)anthracene
Concen: 76.479 ng
RT: 17.133 min Scan# 2540
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

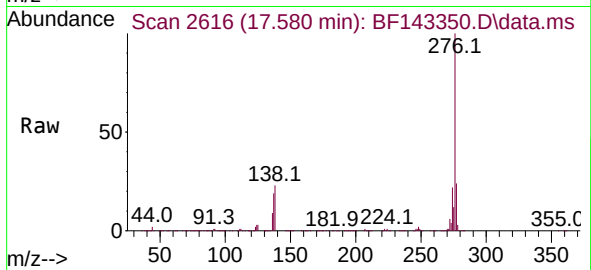
Tgt Ion:278 Resp: 1523387
Ion Ratio Lower Upper
278 100
139 17.1 14.0 21.0
279 24.3 19.4 29.0



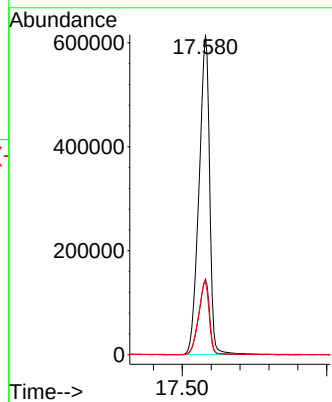
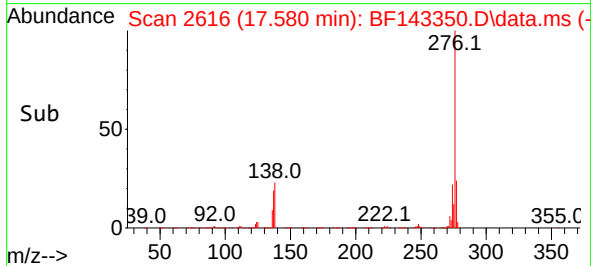


#92
Benzo(g,h,i)perylene
Concen: 77.932 ng
RT: 17.580 min Scan# 20
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:276 Resp: 1563773
Ion Ratio Lower Upper
276 100
277 23.7 18.7 28.1
138 22.6 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143351.D
 Acq On : 12 Aug 2025 13:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF081225

Quant Time: Aug 12 14:13:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162839	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	633786	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	340813	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	507289	20.000	ng	0.00
76) Chrysene-d12	14.092	240	280276	20.000	ng	0.00
86) Perylene-d12	15.580	264	324835	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	726544	77.155	ng	0.00
7) Phenol-d6	6.557	99	917587	75.986	ng	0.00
23) Nitrobenzene-d5	7.487	82	846400	83.164	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	211383	84.868	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1489585	74.116	ng	0.00
79) Terphenyl-d14	13.033	244	1227991	78.222	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.758	88	181552	37.259	ng	100
3) Pyridine	3.534	79	503048	38.741	ng	98
4) n-Nitrosodimethylamine	3.469	42	250430	41.403	ng	99
6) Aniline	6.593	93	691138	40.597	ng	98
8) 2-Chlorophenol	6.716	128	412875	41.033	ng	99
9) Benzaldehyde	6.481	77	322014	40.346	ng	99
10) Phenol	6.575	94	575912	40.258	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	411435	39.024	ng	99
12) 1,3-Dichlorobenzene	6.875	146	462064	39.813	ng	99
13) 1,4-Dichlorobenzene	6.946	146	467795	40.160	ng	99
14) 1,2-Dichlorobenzene	7.098	146	446591	40.389	ng	99
15) Benzyl Alcohol	7.069	79	366386	42.327	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	748899	39.787	ng	96
17) 2-Methylphenol	7.181	107	347573	40.922	ng	99
18) Hexachloroethane	7.445	117	154629	42.342	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	298013	39.940	ng	99
20) 3+4-Methylphenols	7.334	107	422225	41.105	ng	97
22) Acetophenone	7.334	105	558359	39.985	ng	98
24) Nitrobenzene	7.510	77	452284	40.919	ng	99
25) Isophorone	7.745	82	825406	39.728	ng	98
26) 2-Nitrophenol	7.828	139	190171	43.318	ng	99
27) 2,4-Dimethylphenol	7.863	122	384805	44.394	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	503776	39.714	ng	100
29) 2,4-Dichlorophenol	8.069	162	349559	41.289	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	366302	41.017	ng	100
31) Naphthalene	8.234	128	1170219	38.372	ng	100
32) Benzoic acid	7.969	122	157226	43.285	ng	99
33) 4-Chloroaniline	8.275	127	490782	44.618	ng	98
34) Hexachlorobutadiene	8.351	225	218687	39.366	ng	99
35) Caprolactam	8.640	113	99702	41.892	ng	95
36) 4-Chloro-3-methylphenol	8.757	107	361383	40.717	ng	99
37) 2-Methylnaphthalene	8.922	142	707136	35.270	ng	100
38) 1-Methylnaphthalene	9.022	142	733181	37.970	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	365752	39.218	ng	100
41) Hexachlorocyclopentadiene	9.081	237	161472	51.644	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	226704	42.843	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143351.D
 Acq On : 12 Aug 2025 13:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF081225

Quant Time: Aug 12 14:13:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

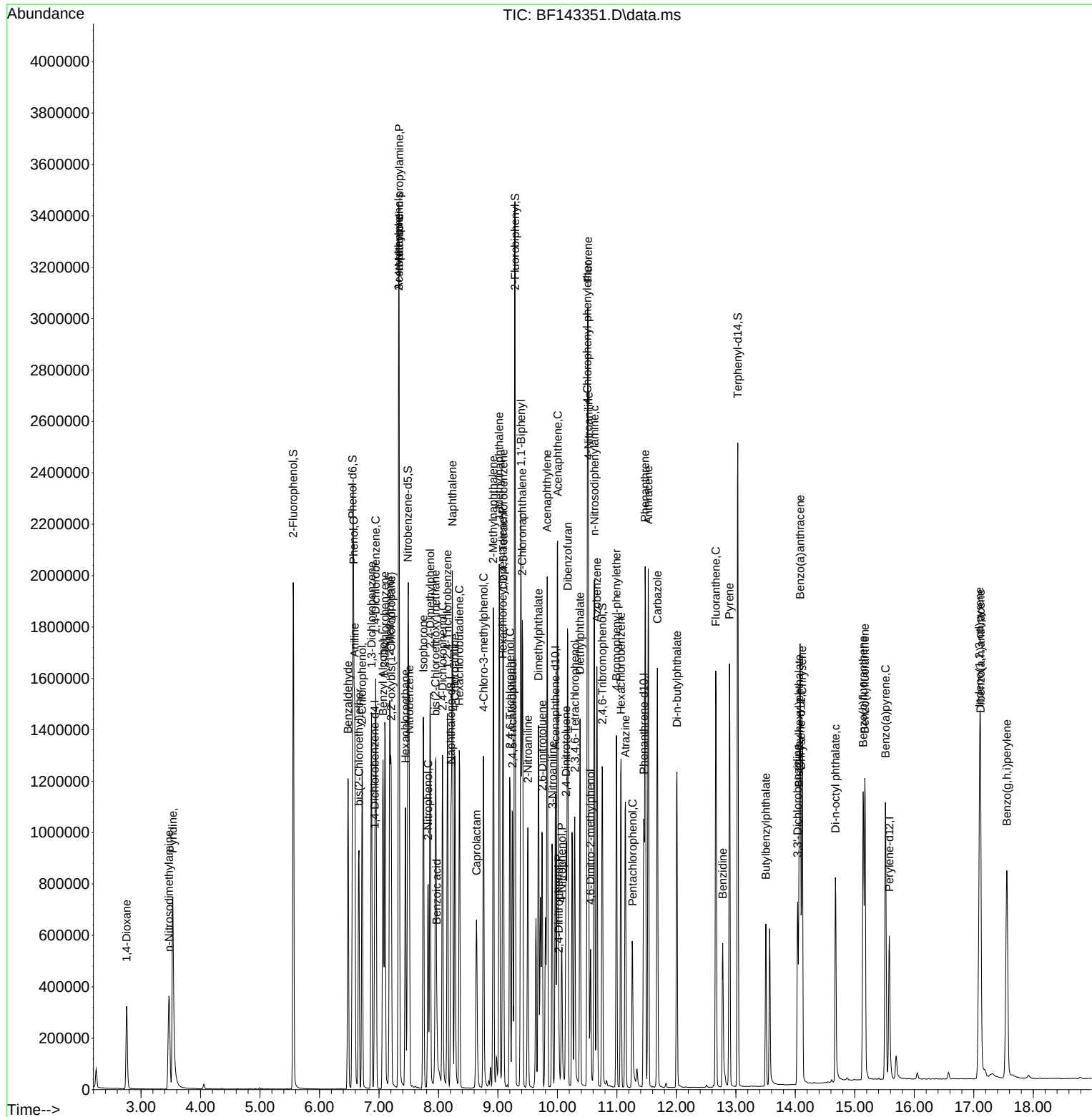
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	246815	41.305	ng	99
46) 1,1'-Biphenyl	9.387	154	935277	38.812	ng	100
47) 2-Chloronaphthalene	9.410	162	722952	38.093	ng	99
48) 2-Nitroaniline	9.504	65	228854	42.167	ng	100
49) Acenaphthylene	9.828	152	1164992	42.507	ng	100
50) Dimethylphthalate	9.681	163	799080	40.126	ng	99
51) 2,6-Dinitrotoluene	9.745	165	168880	45.012	ng	94
52) Acenaphthene	10.004	154	690443	37.893	ng	99
53) 3-Nitroaniline	9.916	138	194097	47.593	ng	97
54) 2,4-Dinitrophenol	10.022	184	56042	45.910	ng	98
55) Dibenzofuran	10.175	168	1013581	38.652	ng	99
56) 4-Nitrophenol	10.075	139	124501	41.060	ng	97
57) 2,4-Dinitrotoluene	10.145	165	215795	43.458	ng	98
58) Fluorene	10.516	166	761581	38.022	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	201768	50.091	ng	98
60) Diethylphthalate	10.381	149	719164	40.317	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	368971	38.123	ng	99
62) 4-Nitroaniline	10.522	138	174863	44.317	ng	99
63) Azobenzene	10.663	77	809295	39.721	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	87717	43.535	ng	97
66) n-Nitrosodiphenylamine	10.622	169	659263	39.468	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	228971	39.466	ng	99
68) Hexachlorobenzene	11.069	284	240521	38.460	ng	99
69) Atrazine	11.145	200	178347	40.936	ng	99
70) Pentachlorophenol	11.263	266	108593	38.771	ng	96
71) Phenanthrene	11.475	178	1060892	38.330	ng	100
72) Anthracene	11.528	178	1090047	38.834	ng	99
73) Carbazole	11.681	167	929366	38.877	ng	99
74) Di-n-butylphthalate	12.010	149	871054	43.060	ng	100
75) Fluoranthene	12.663	202	910203	37.543	ng	99
77) Benzidine	12.780	184	336170	43.872	ng	99
78) Pyrene	12.892	202	924712	39.329	ng	100
80) Butylbenzylphthalate	13.504	149	188120	41.012	ng	99
81) Benzo(a)anthracene	14.080	228	693960	38.956	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	222482	46.252	ng	99
83) Chrysene	14.116	228	639568	38.503	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	285665	42.315	ng	100
85) Di-n-octyl phthalate	14.674	149	563193	42.219	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	934056	40.136	ng	100
88) Benzo(b)fluoranthene	15.139	252	725882	40.856	ng	99
89) Benzo(k)fluoranthene	15.169	252	639883	37.064	ng	100
90) Benzo(a)pyrene	15.516	252	686526	41.027	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	757376	40.736	ng	99
92) Benzo(g,h,i)perylene	17.557	276	767923	41.001	ng	99

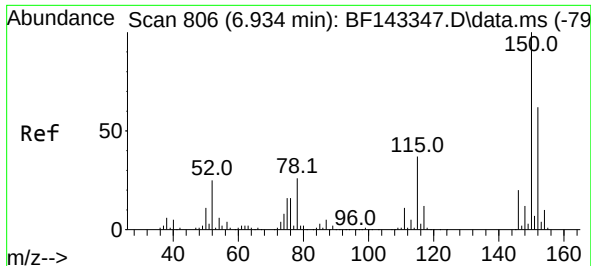
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

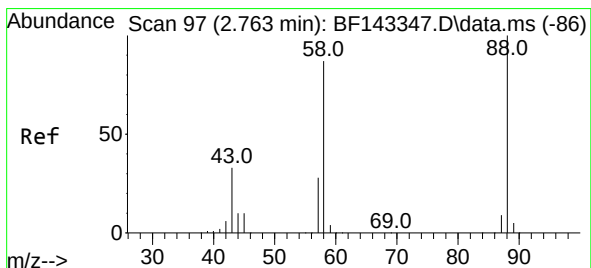
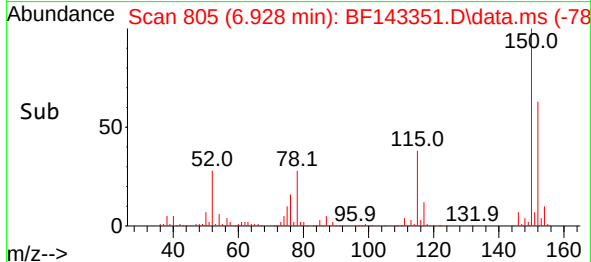
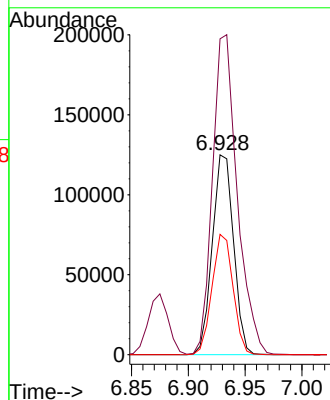
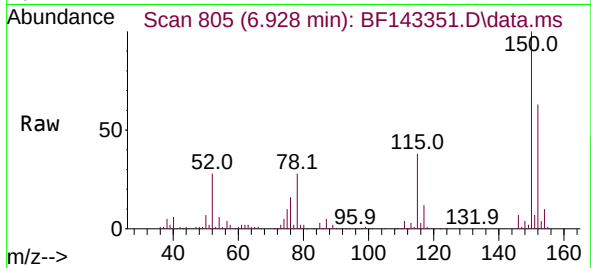




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF143351.D
 Acq: 12 Aug 2025 13:52

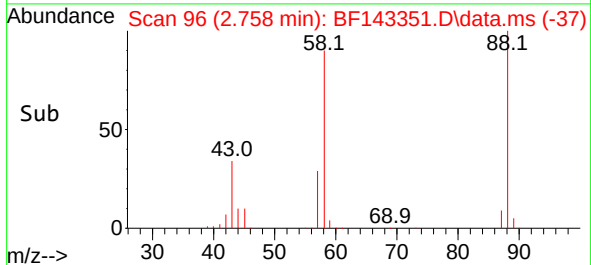
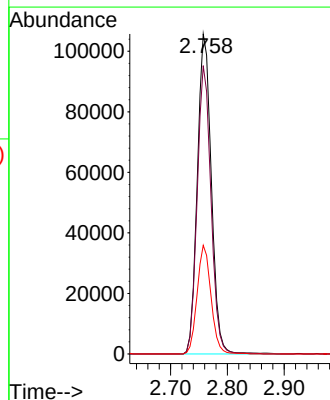
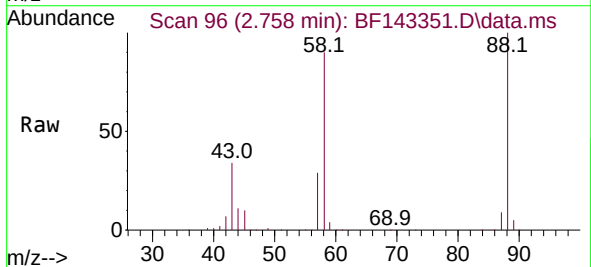
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF081225

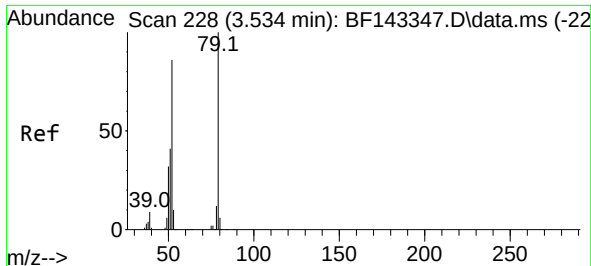
Tgt Ion:152 Resp: 162839
 Ion Ratio Lower Upper
 152 100
 150 158.0 129.8 194.8
 115 60.2 47.8 71.8



#2
 1,4-Dioxane
 Concen: 37.259 ng
 RT: 2.758 min Scan# 96
 Delta R.T. -0.006 min
 Lab File: BF143351.D
 Acq: 12 Aug 2025 13:52

Tgt Ion: 88 Resp: 181552
 Ion Ratio Lower Upper
 88 100
 58 88.6 71.0 106.6
 43 33.7 27.0 40.6





#3

Pyridine

Concen: 38.741 ng

RT: 3.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

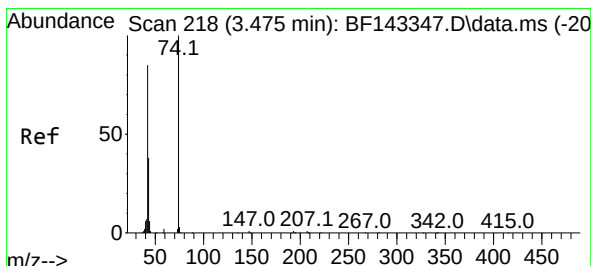
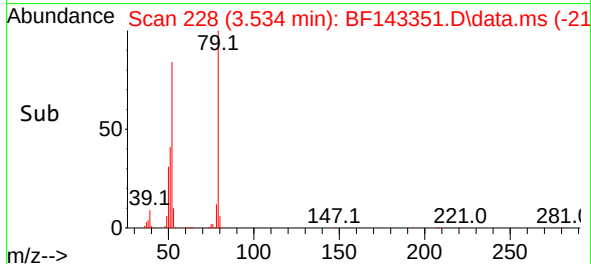
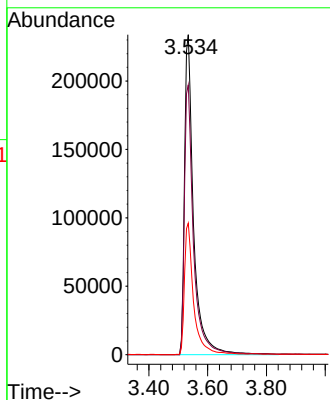
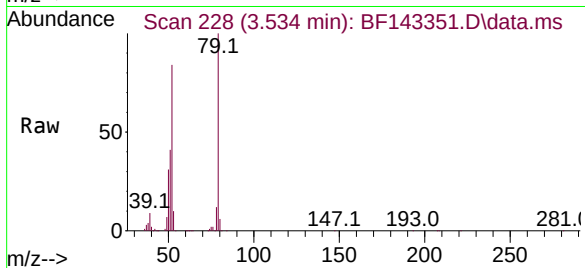
Tgt Ion: 79 Resp: 503048

Ion Ratio Lower Upper

79 100

52 84.3 68.7 103.1

51 41.1 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 41.403 ng

RT: 3.469 min Scan# 217

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

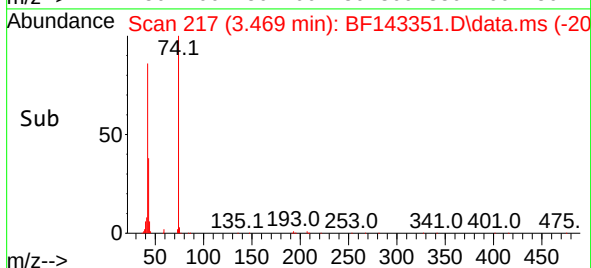
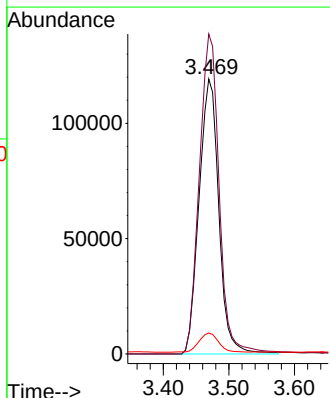
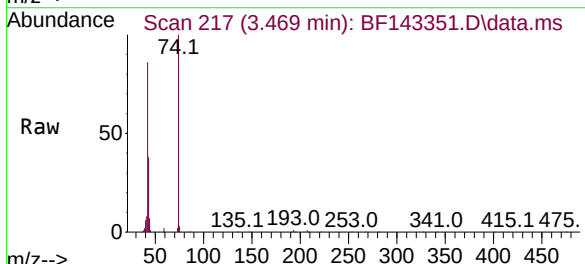
Tgt Ion: 42 Resp: 250430

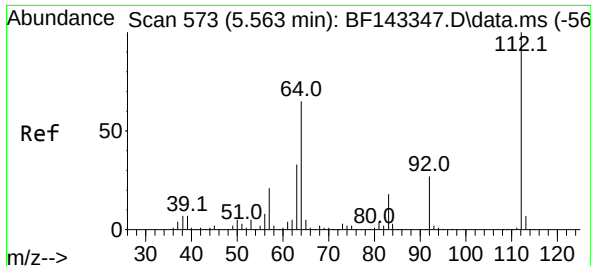
Ion Ratio Lower Upper

42 100

74 116.3 94.1 141.1

44 7.6 6.5 9.7

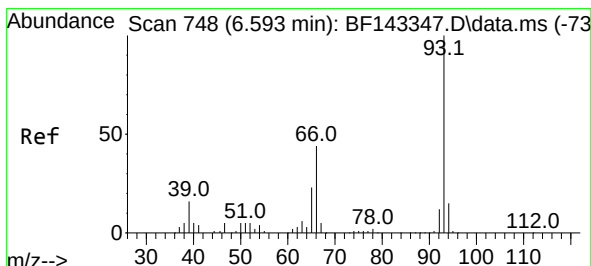
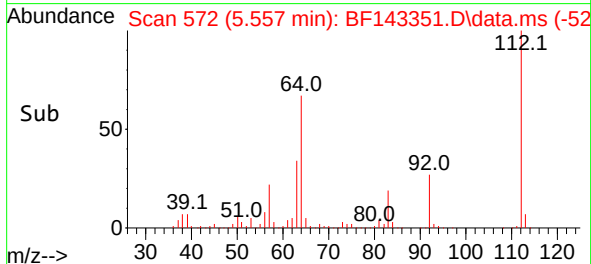
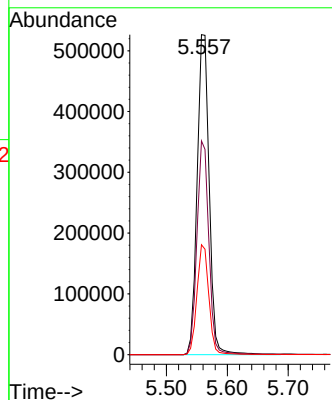
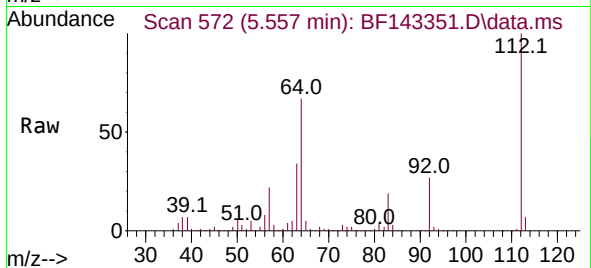




#5
2-Fluorophenol
Concen: 77.155 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

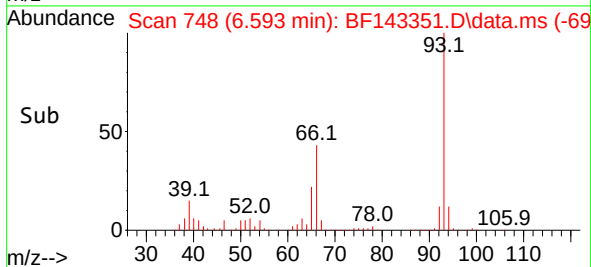
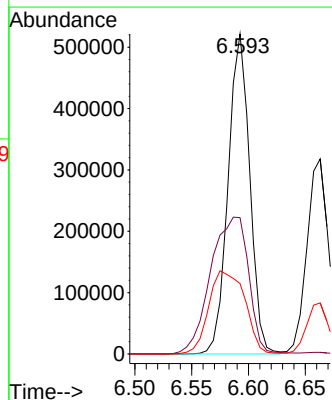
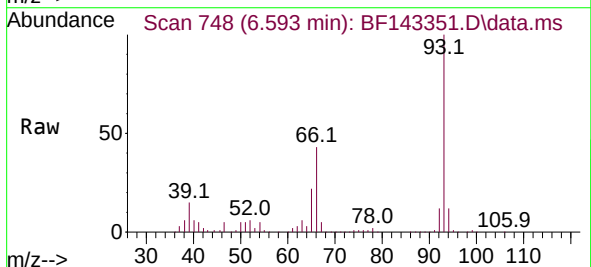
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

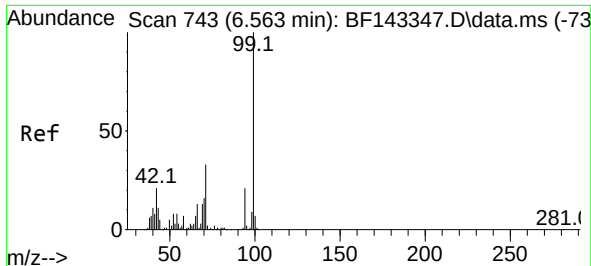
Tgt Ion:112 Resp: 726544
Ion Ratio Lower Upper
112 100
64 66.8 52.1 78.1
63 34.4 26.6 39.8



#6
Aniline
Concen: 40.597 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 93 Resp: 691138
Ion Ratio Lower Upper
93 100
66 42.6 35.3 52.9
65 22.0 18.2 27.4

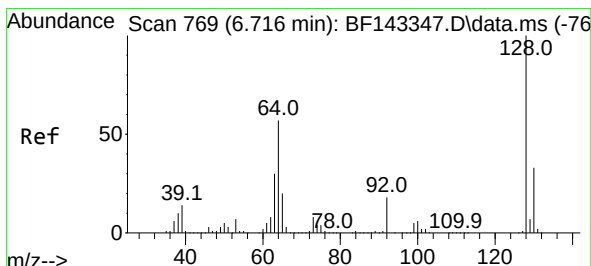
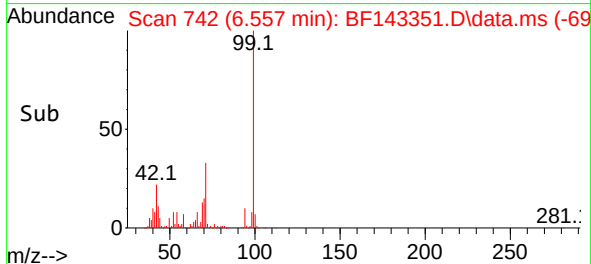
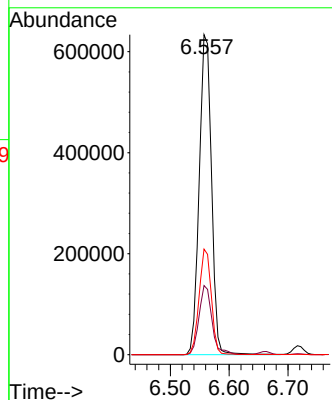
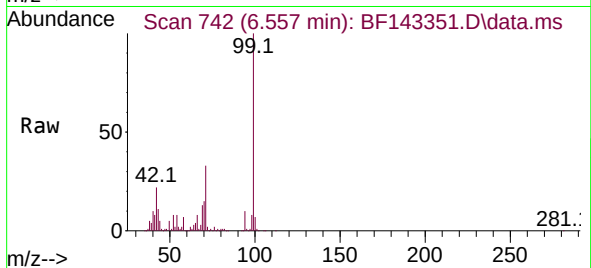




#7
Phenol-d6
Concen: 75.986 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

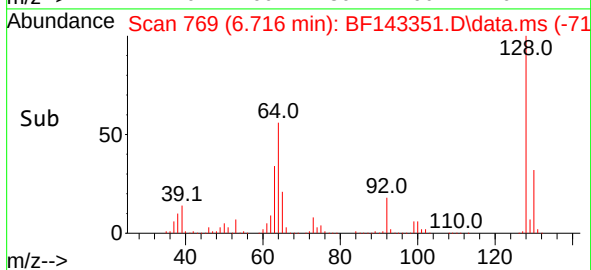
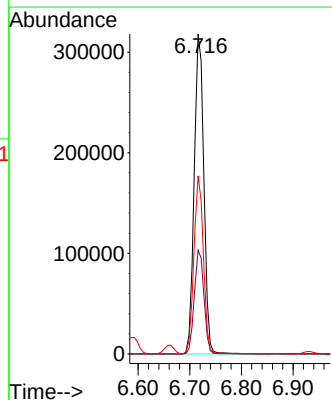
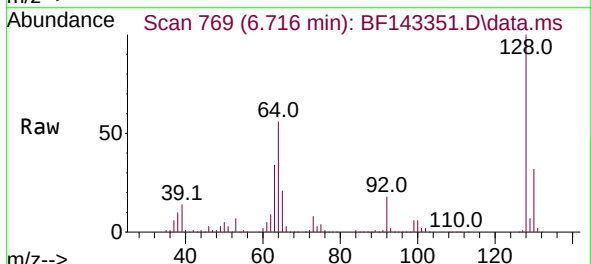
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

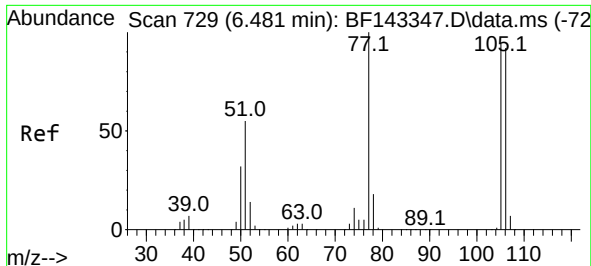
Tgt Ion: 99 Resp: 917587
Ion Ratio Lower Upper
99 100
42 21.6 16.6 25.0
71 33.0 26.2 39.2



#8
2-Chlorophenol
Concen: 41.033 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

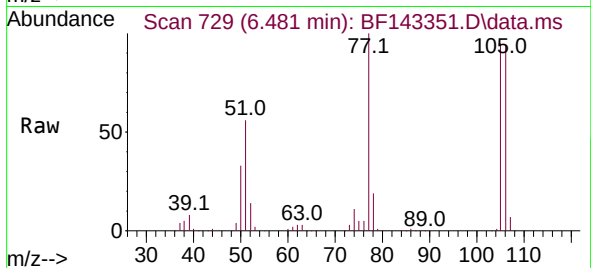
Tgt Ion: 128 Resp: 412875
Ion Ratio Lower Upper
128 100
130 32.4 12.6 52.6
64 55.6 36.7 76.7



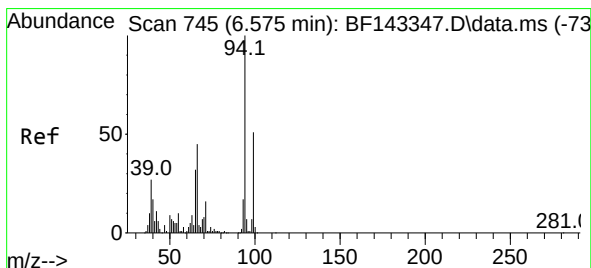
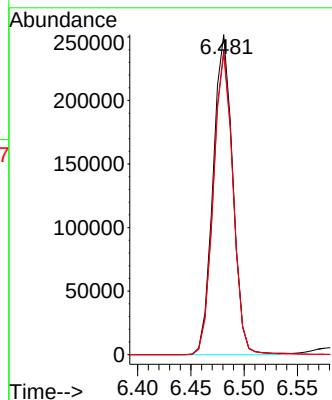
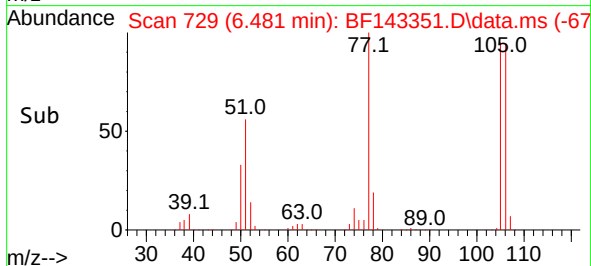


#9
Benzaldehyde
Concen: 40.346 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

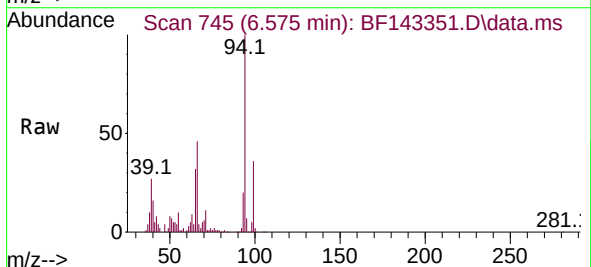
Instrument :
BNA_F
ClientSampleId :
ICVBF081225



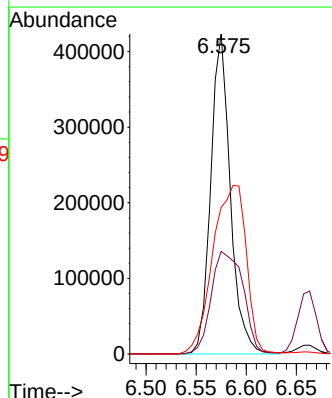
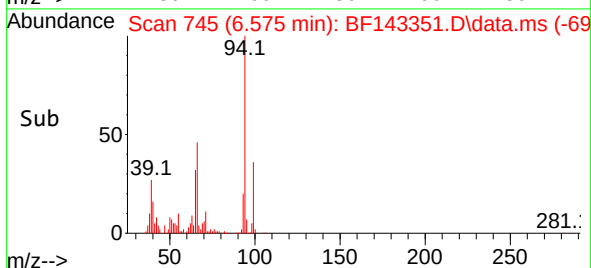
Tgt Ion: 77 Resp: 322014
Ion Ratio Lower Upper
77 100
105 95.2 74.2 114.2
106 94.0 72.2 112.2

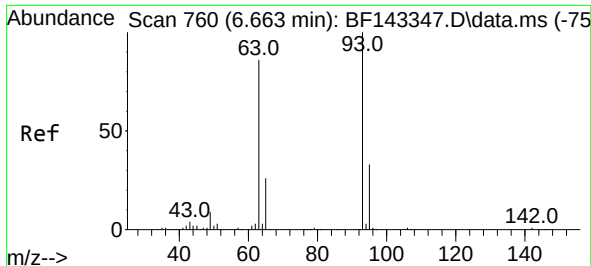


#10
Phenol
Concen: 40.258 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52



Tgt Ion: 94 Resp: 575912
Ion Ratio Lower Upper
94 100
65 32.1 12.0 52.0
66 45.8 25.6 65.6





#11

bis(2-Chloroethyl)ether

Concen: 39.024 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

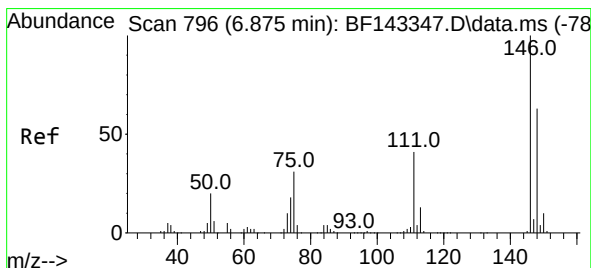
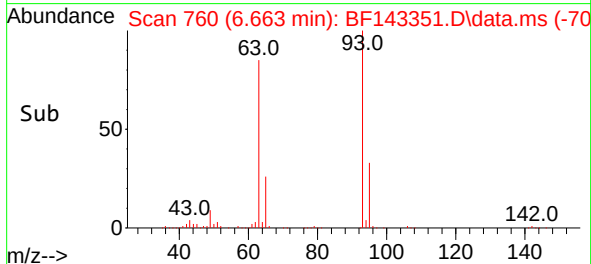
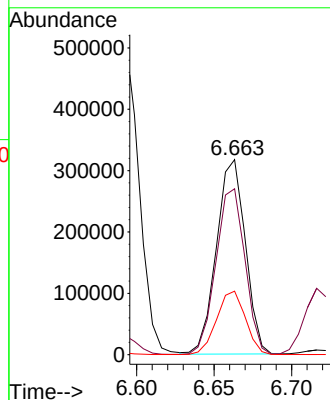
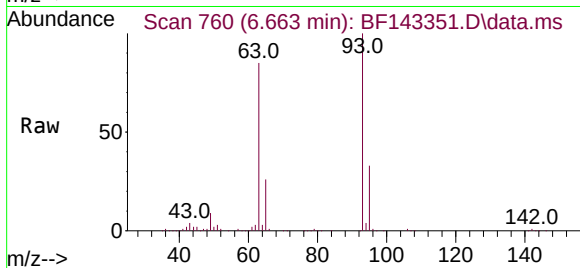
Tgt Ion: 93 Resp: 411435

Ion Ratio Lower Upper

93 100

63 85.1 65.7 105.7

95 32.6 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 39.813 ng

RT: 6.875 min Scan# 796

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

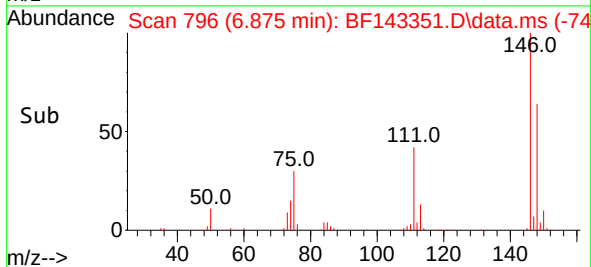
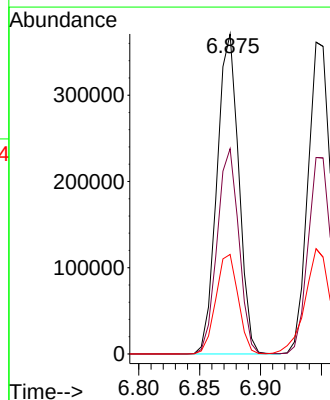
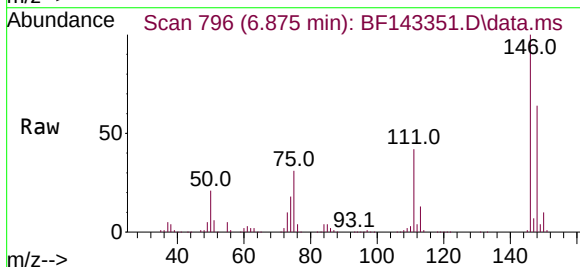
Tgt Ion: 146 Resp: 462064

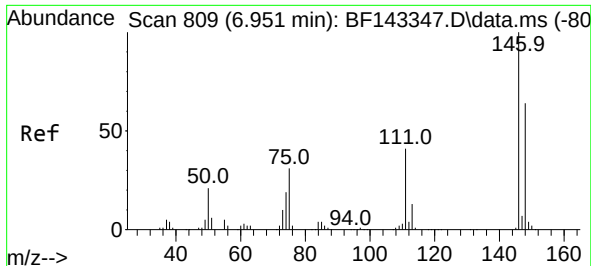
Ion Ratio Lower Upper

146 100

148 64.1 50.5 75.7

75 31.1 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 40.160 ng

RT: 6.946 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

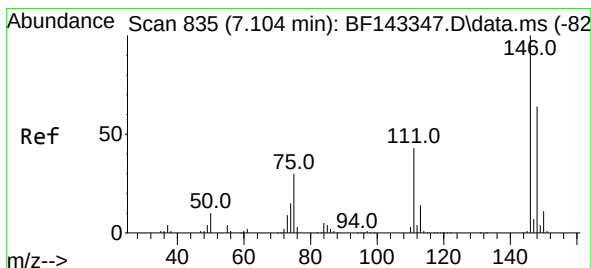
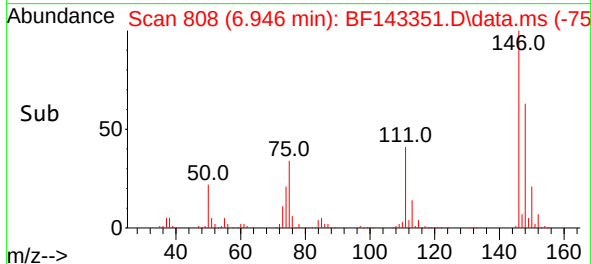
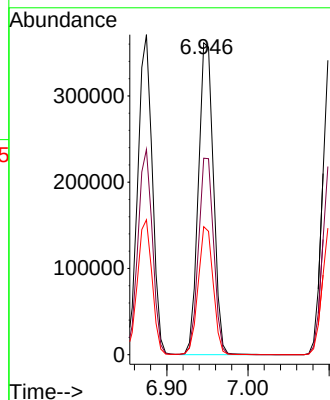
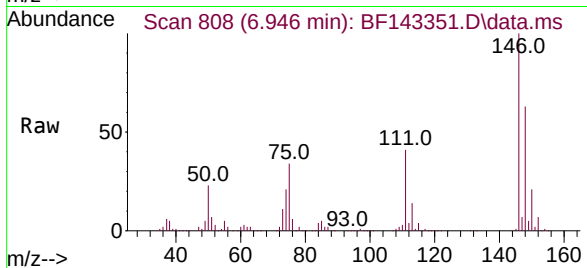
Tgt Ion:146 Resp: 467795

Ion Ratio Lower Upper

146 100

148 63.0 51.4 77.0

111 41.0 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 40.389 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

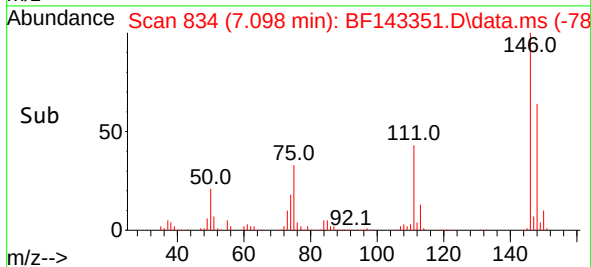
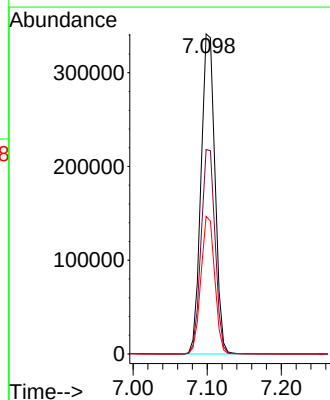
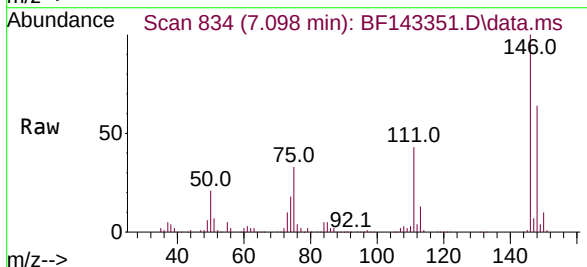
Tgt Ion:146 Resp: 446591

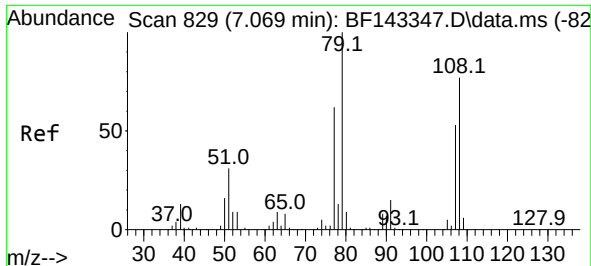
Ion Ratio Lower Upper

146 100

148 63.9 51.4 77.2

111 43.0 34.1 51.1

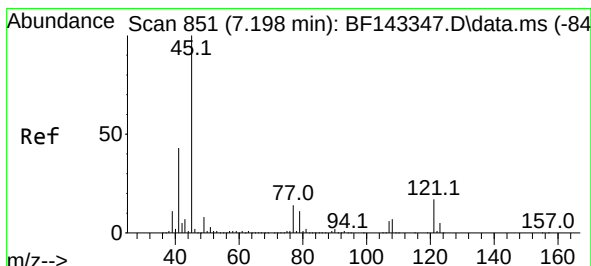
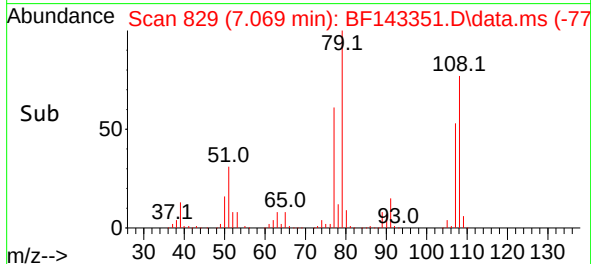
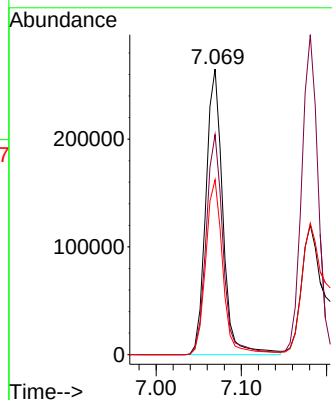
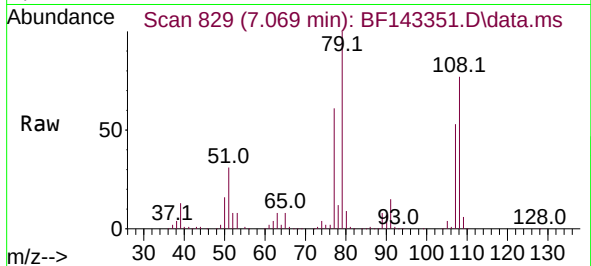




#15
Benzyl Alcohol
Concen: 42.327 ng
RT: 7.069 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

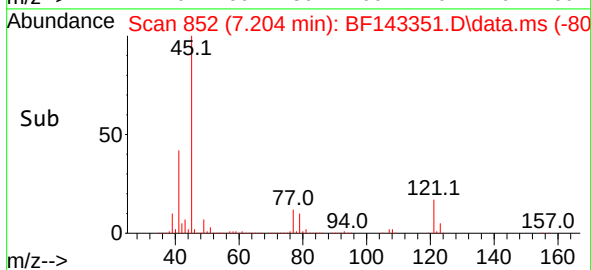
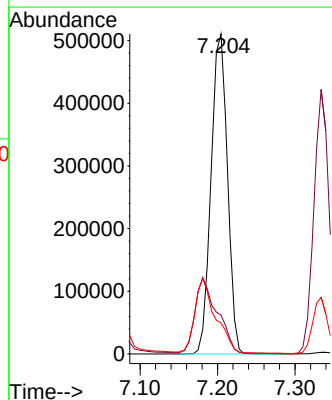
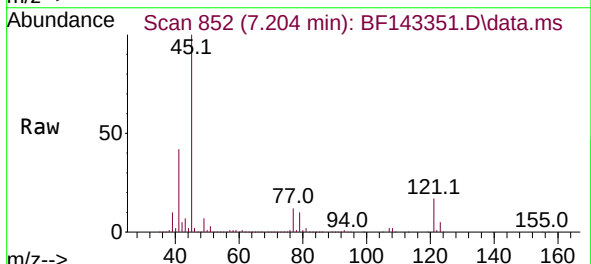
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

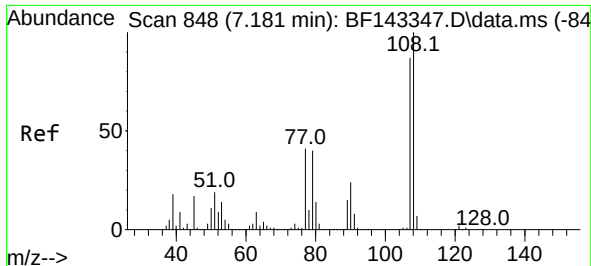
Tgt Ion: 79 Resp: 366386
Ion Ratio Lower Upper
79 100
108 77.1 61.5 92.3
77 61.3 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.787 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

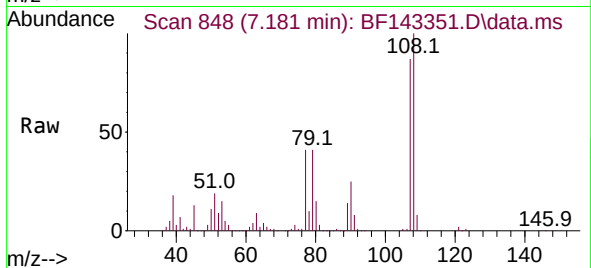
Tgt Ion: 45 Resp: 748899
Ion Ratio Lower Upper
45 100
77 12.1 0.0 34.0
79 9.7 0.0 31.1



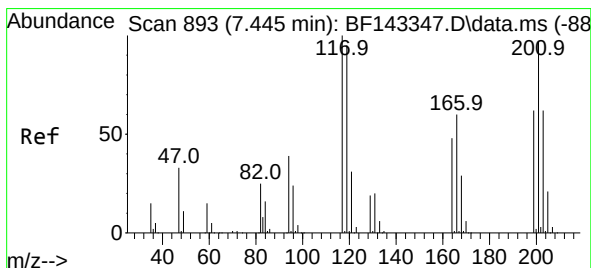
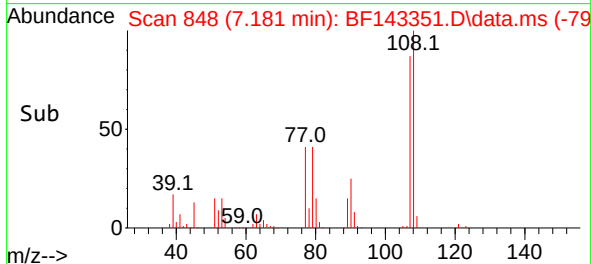
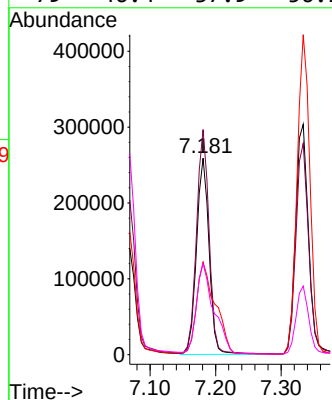


#17
2-Methylphenol
Concen: 40.922 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

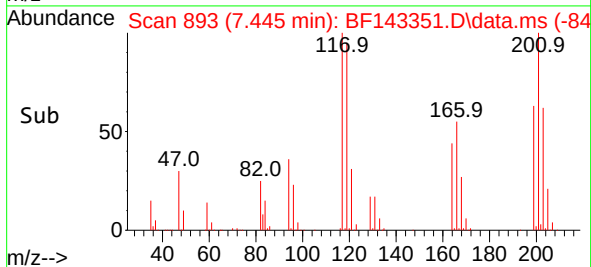
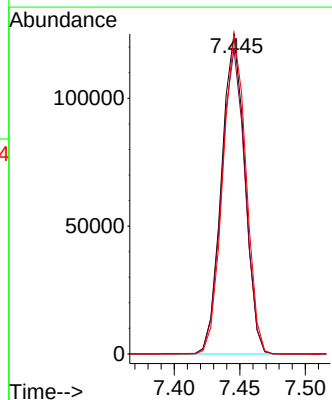
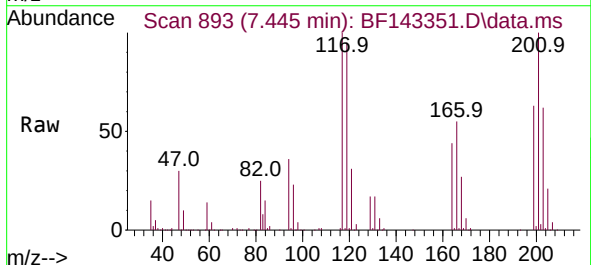


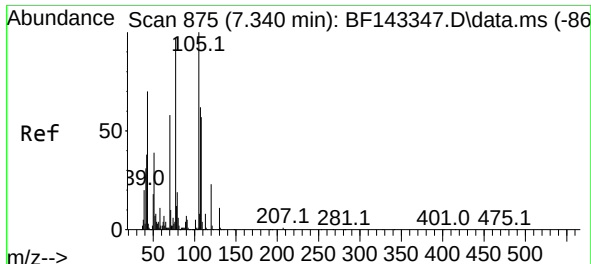
Tgt Ion:	107	Resp:	347573
Ion	Ratio	Lower	Upper
107	100		
108	114.6	92.0	138.0
77	47.1	38.2	57.2
79	46.4	37.9	56.9



#18
Hexachloroethane
Concen: 42.342 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:	117	Resp:	154629
Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.8	113.8
201	99.7	77.2	115.8



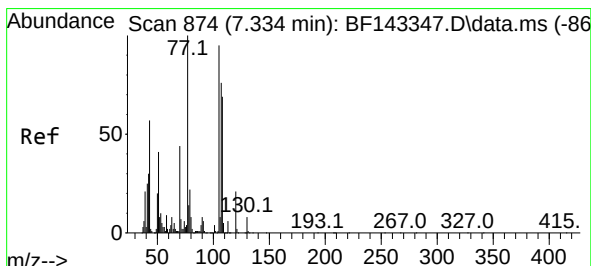
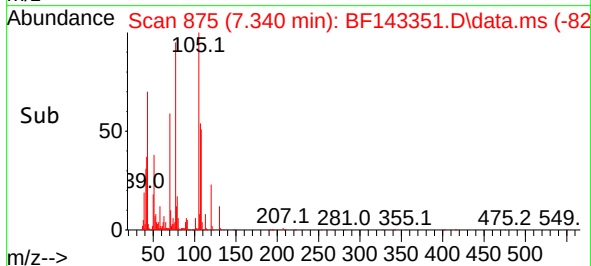
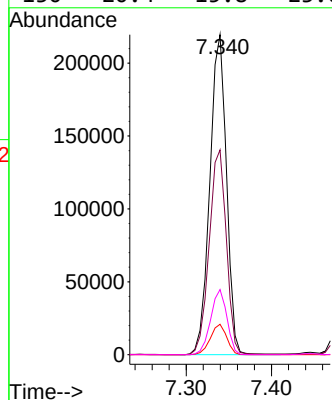
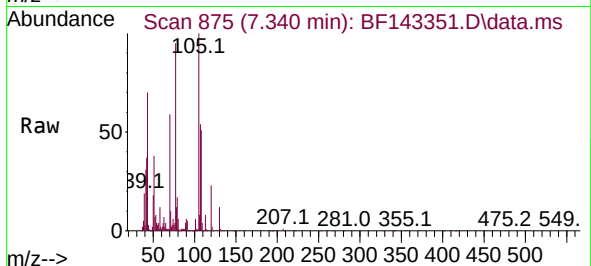


#19
n-Nitroso-di-n-propylamine
Concen: 39.940 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 70 Resp: 298013

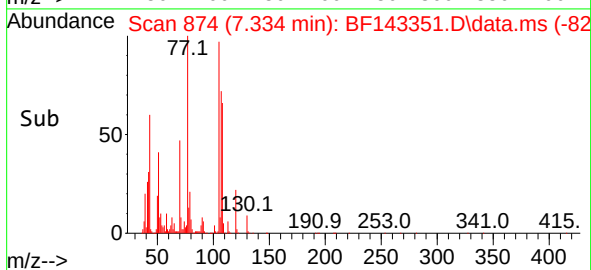
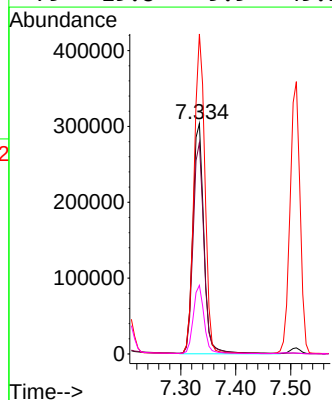
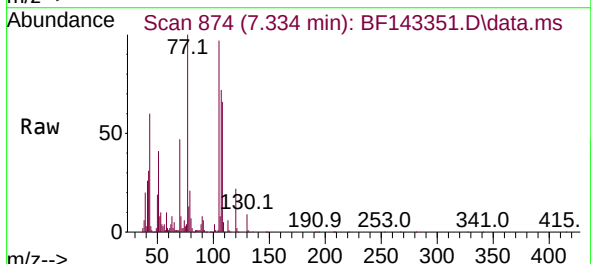
Ion	Ratio	Lower	Upper
70	100		
42	64.0	51.6	77.4
101	9.5	7.5	11.3
130	20.4	15.8	23.6

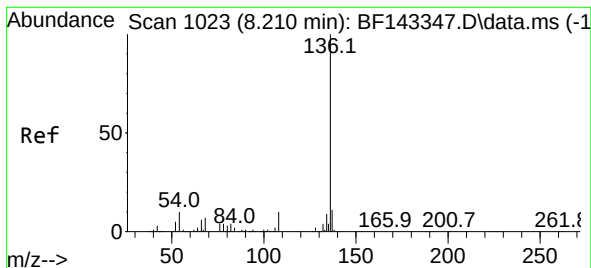


#20
3+4-Methylphenols
Concen: 41.105 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 107 Resp: 422225

Ion	Ratio	Lower	Upper
107	100		
108	91.7	70.6	110.6
77	138.9	112.0	152.0
79	29.8	9.9	49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

Tgt Ion:136 Resp: 633786

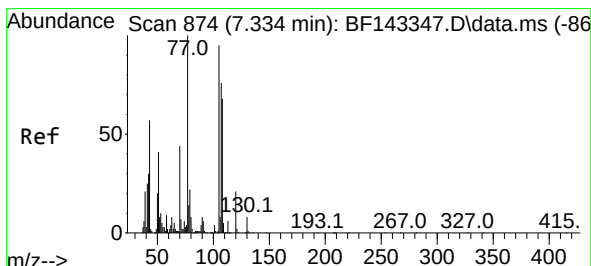
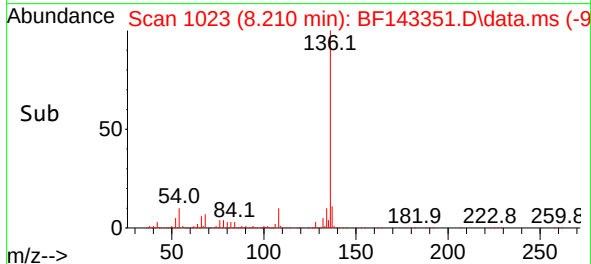
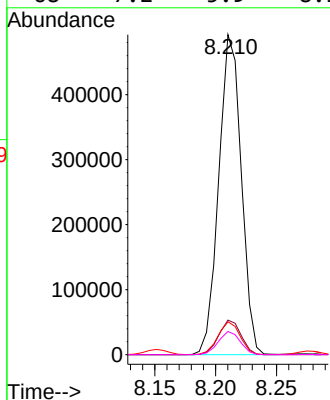
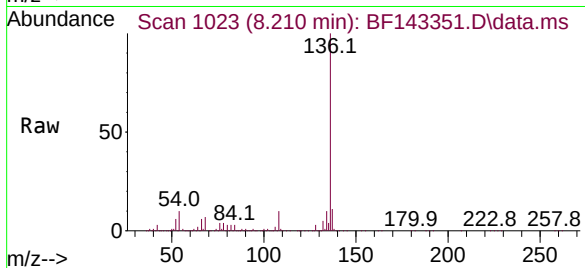
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 10.3 8.4 12.6

68 7.2 5.9 8.9



#22

Acetophenone

Concen: 39.985 ng

RT: 7.334 min Scan# 874

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Tgt Ion:105 Resp: 558359

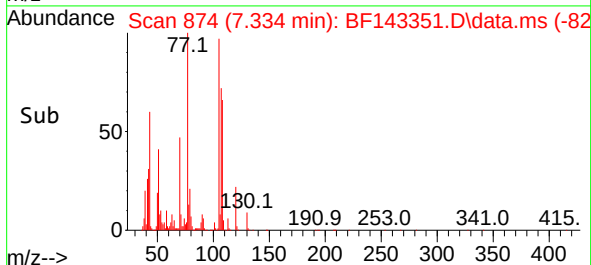
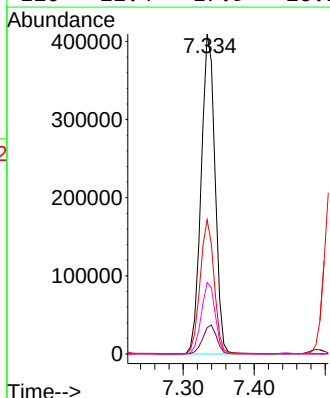
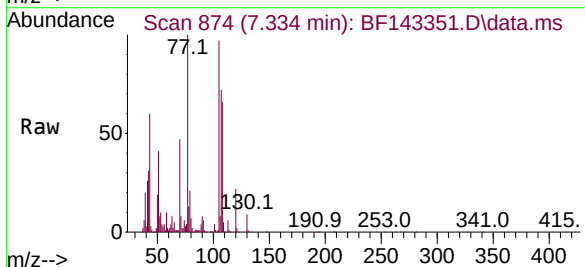
Ion Ratio Lower Upper

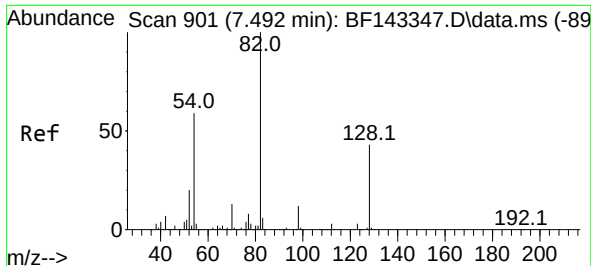
105 100

71 8.3 6.2 9.4

51 41.9 34.8 52.2

120 22.4 17.9 26.9





#23

Nitrobenzene-d5

Concen: 83.164 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

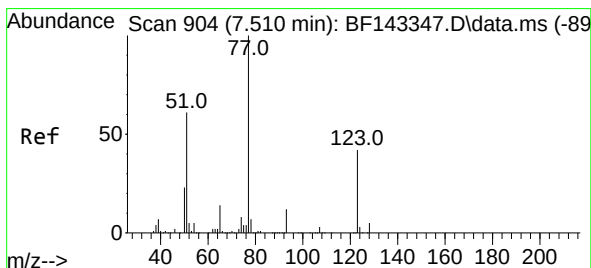
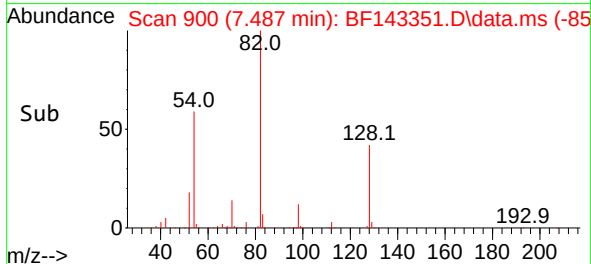
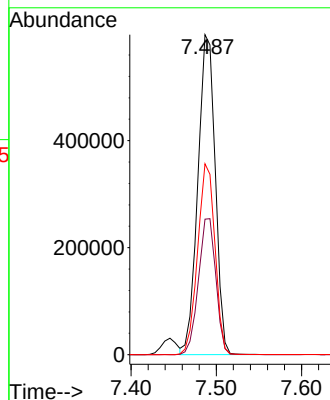
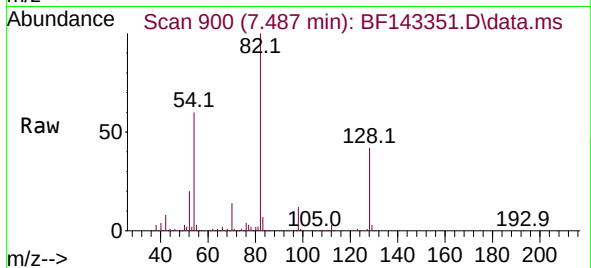
Tgt Ion: 82 Resp: 846400

Ion Ratio Lower Upper

82 100

128 42.3 33.5 50.3

54 59.7 46.7 70.1



#24

Nitrobenzene

Concen: 40.919 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

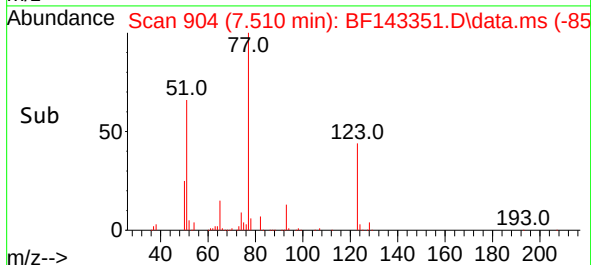
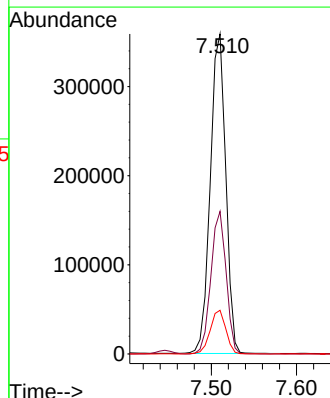
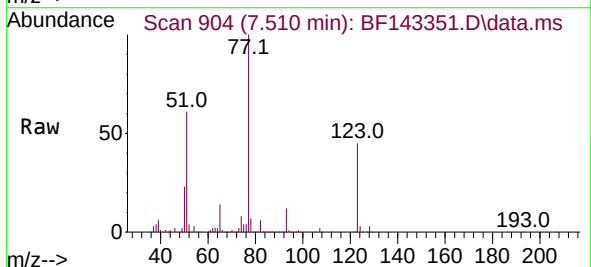
Tgt Ion: 77 Resp: 452284

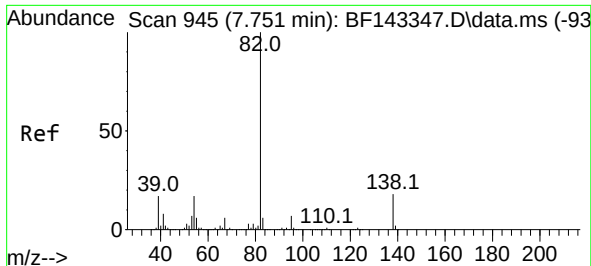
Ion Ratio Lower Upper

77 100

123 44.6 34.8 52.2

65 13.7 11.0 16.6

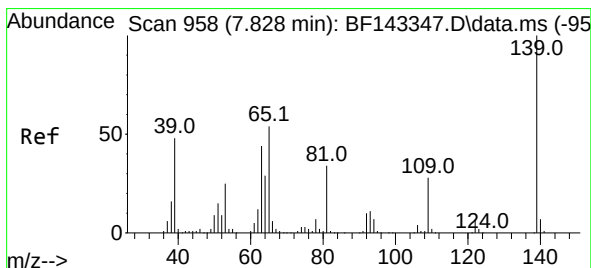
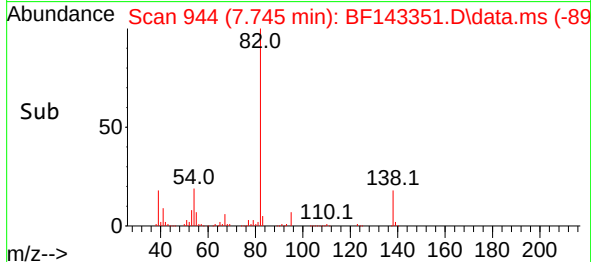
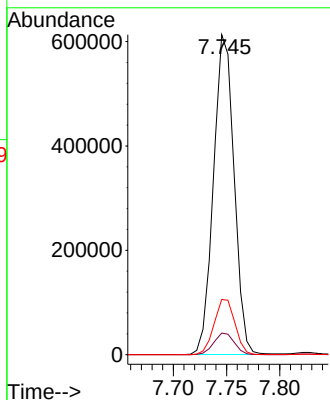
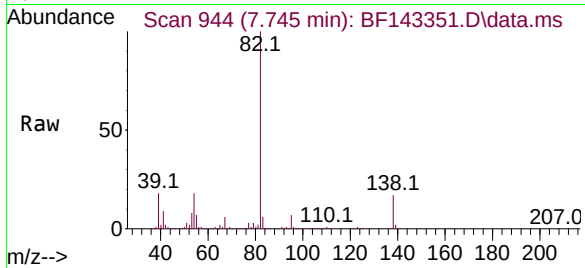




#25
Isophorone
Concen: 39.728 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

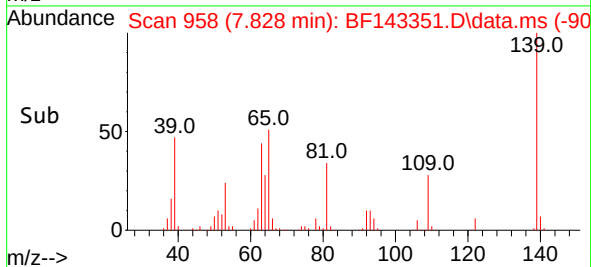
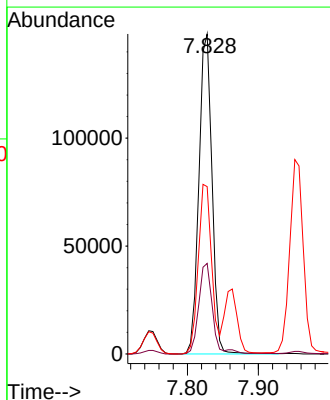
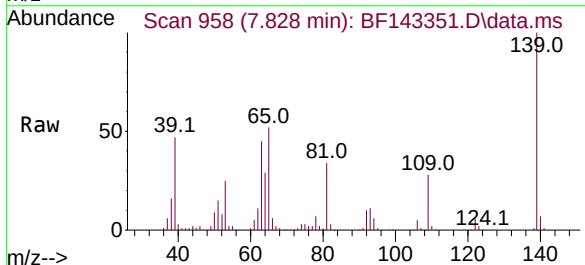
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

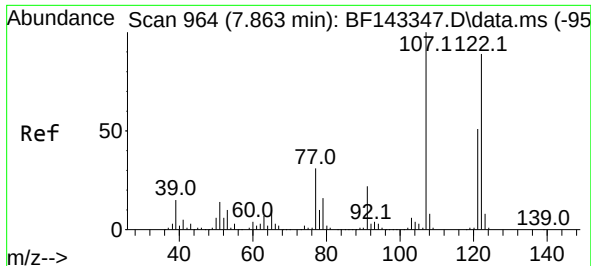
Tgt Ion: 82 Resp: 825406
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.2 14.6 21.8



#26
2-Nitrophenol
Concen: 43.318 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 139 Resp: 190171
Ion Ratio Lower Upper
139 100
109 28.3 22.4 33.6
65 52.3 42.9 64.3

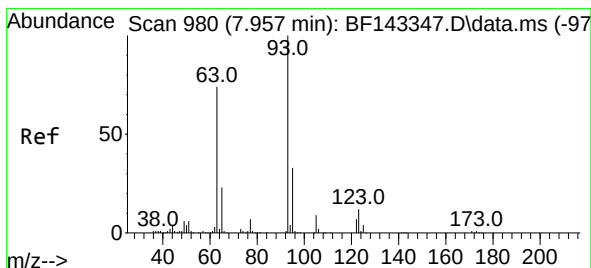
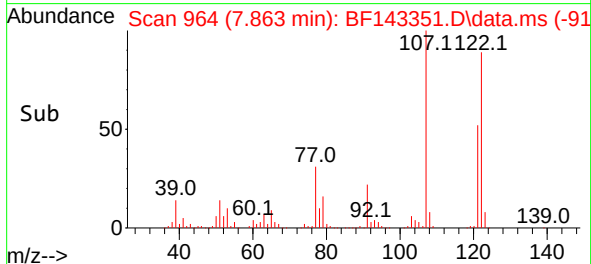
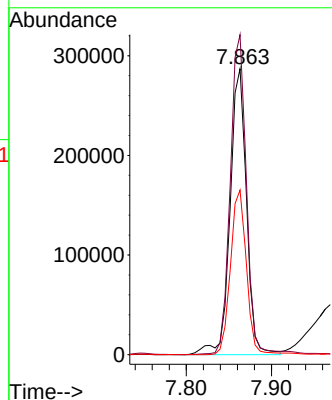
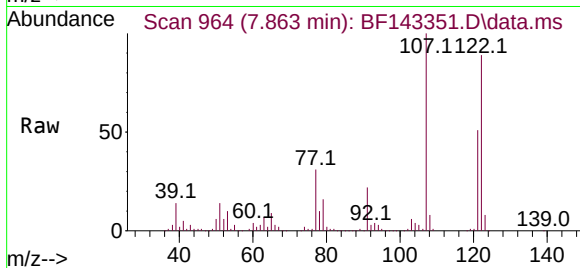




#27
2,4-Dimethylphenol
Concen: 44.394 ng
RT: 7.863 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

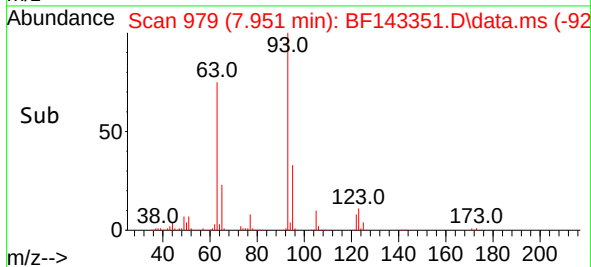
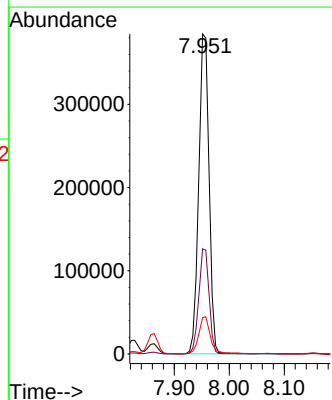
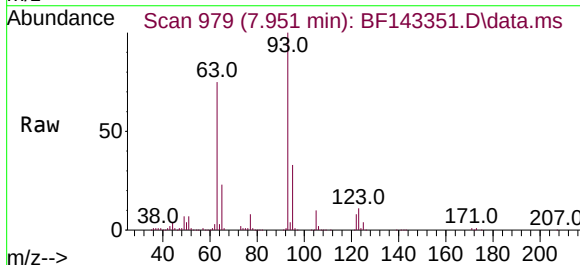
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

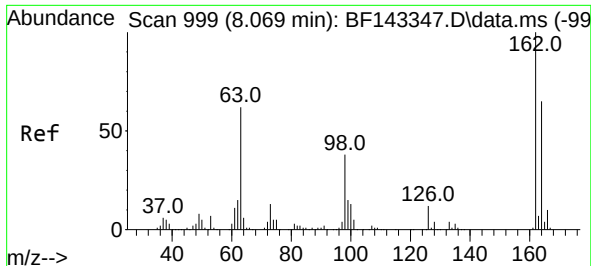
Tgt Ion:122 Resp: 384805
Ion Ratio Lower Upper
122 100
107 111.9 89.9 134.9
121 57.6 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 39.714 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 93 Resp: 503776
Ion Ratio Lower Upper
93 100
95 32.8 26.2 39.4
123 11.4 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 41.289 ng

RT: 8.069 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF143351.D

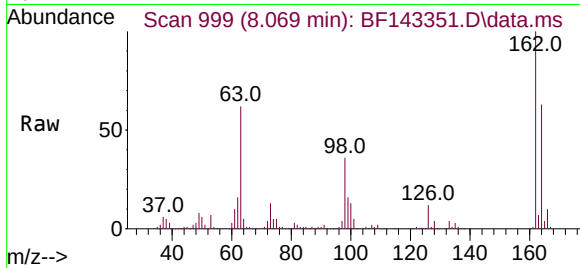
Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225



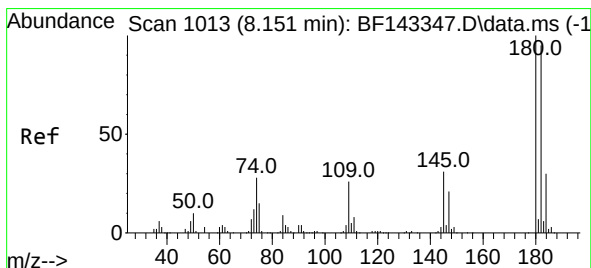
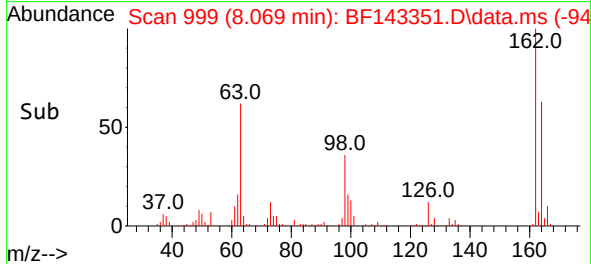
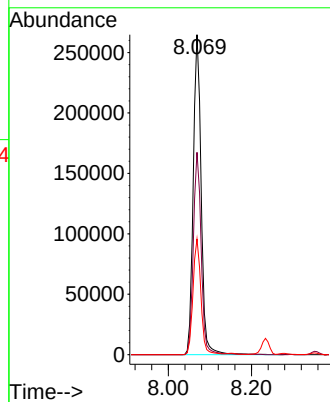
Tgt Ion:162 Resp: 349559

Ion Ratio Lower Upper

162 100

164 63.2 44.5 84.5

98 36.2 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 41.017 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

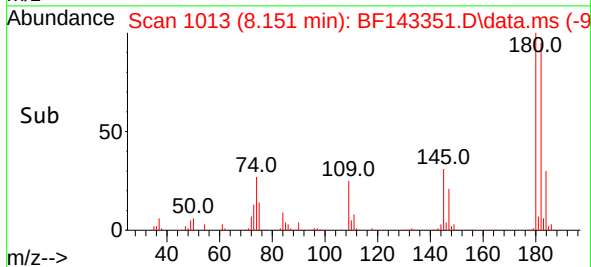
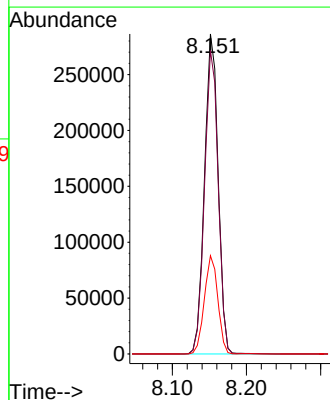
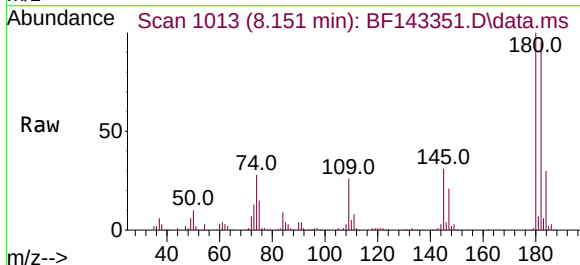
Tgt Ion:180 Resp: 366302

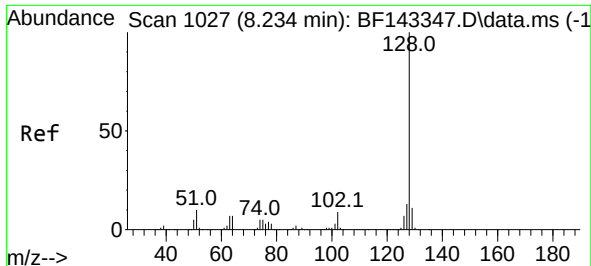
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 30.7 24.9 37.3

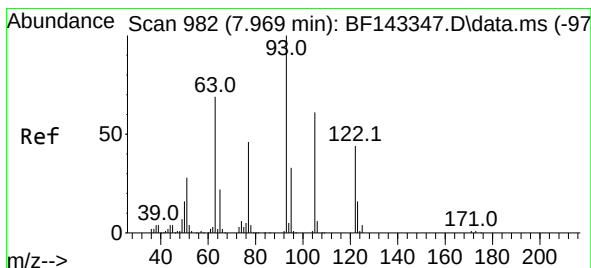
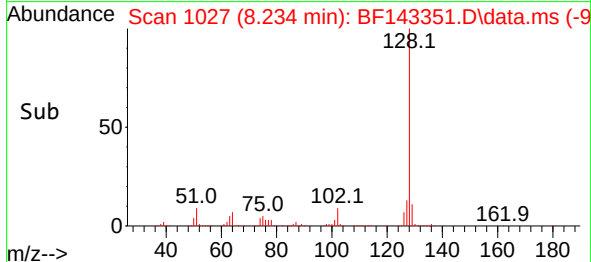
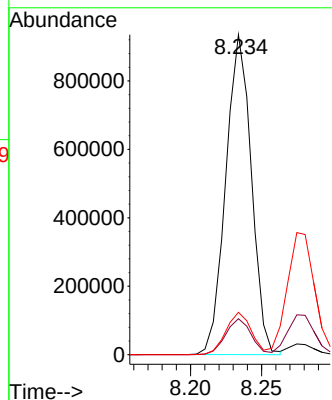
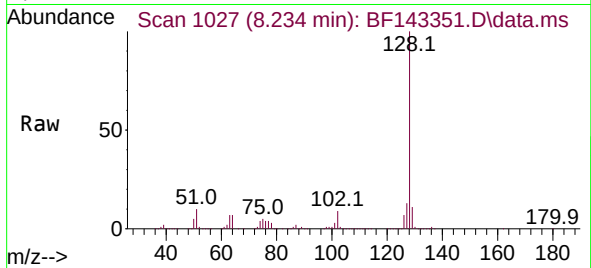




#31
Naphthalene
Concen: 38.372 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

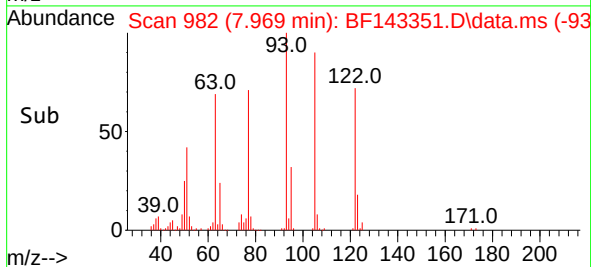
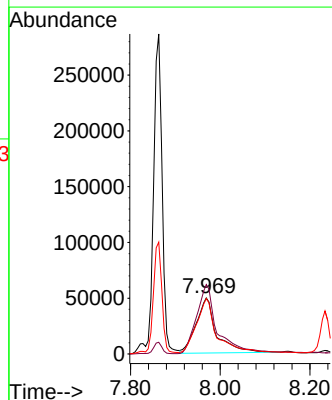
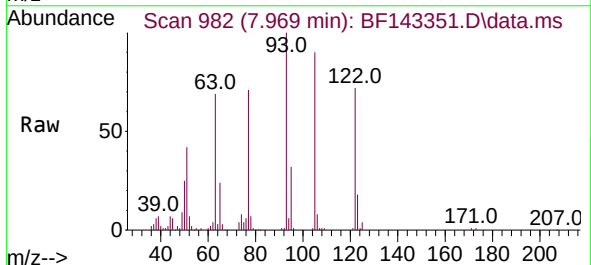
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

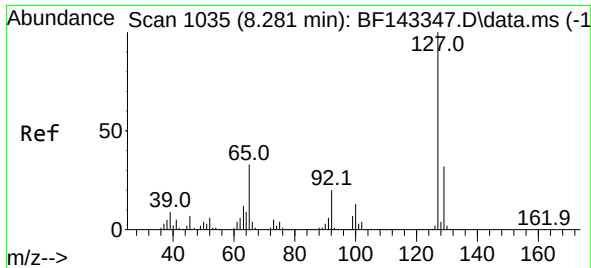
Tgt Ion:128 Resp: 1170219
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 43.285 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:122 Resp: 157226
Ion Ratio Lower Upper
122 100
105 124.0 106.4 146.4
77 98.7 79.2 119.2

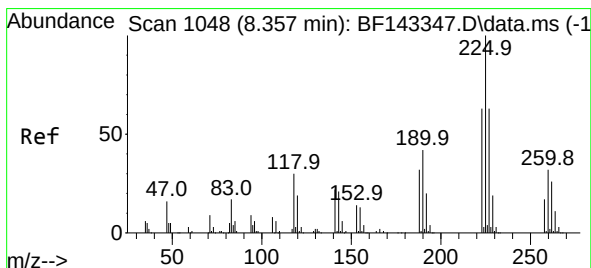
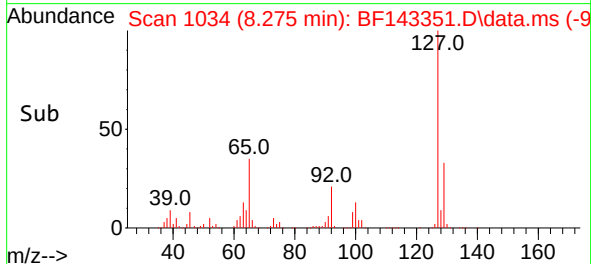
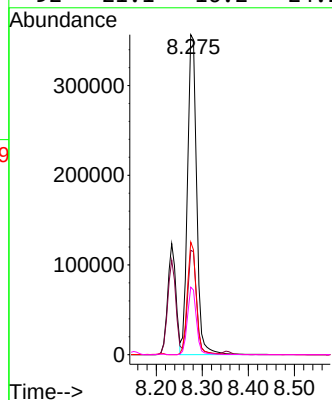
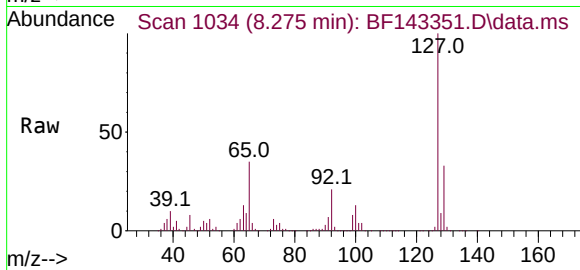




#33
4-Chloroaniline
Concen: 44.618 ng
RT: 8.275 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

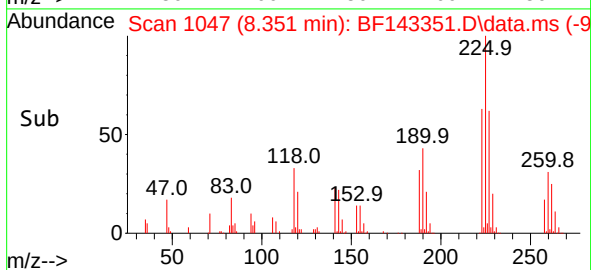
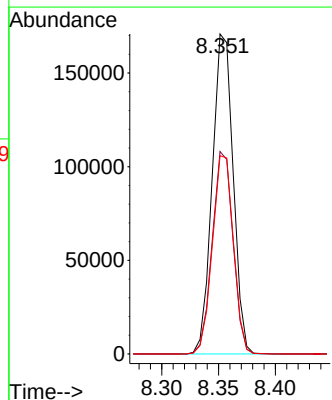
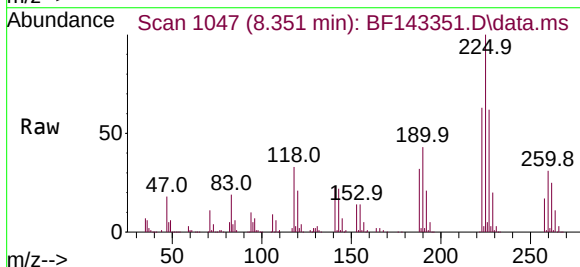
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

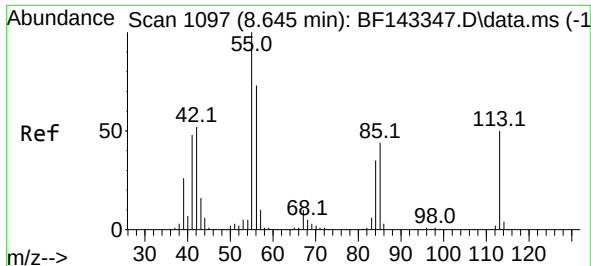
Tgt Ion:	127	Resp:	490782
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	35.2	27.0	40.4
92	21.1	16.2	24.2



#34
Hexachlorobutadiene
Concen: 39.366 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:	225	Resp:	218687
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.1	75.1
227	62.0	50.6	75.8

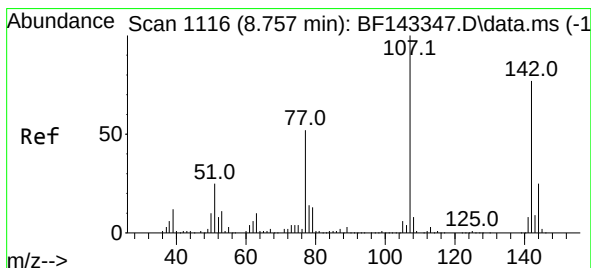
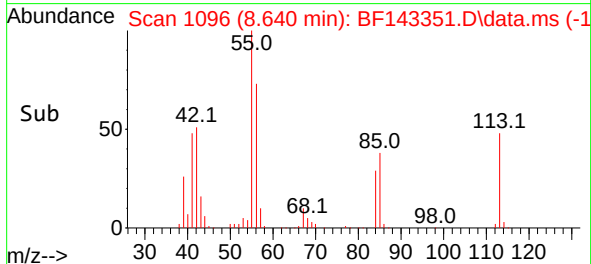
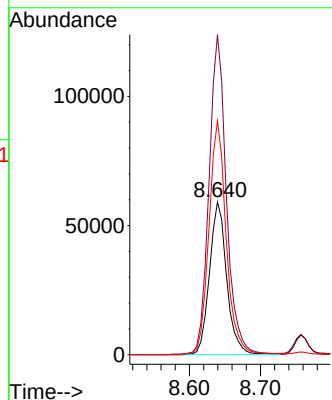
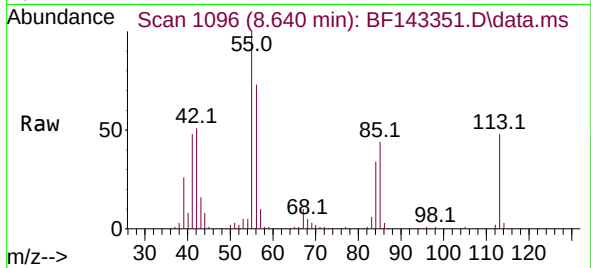




#35
Caprolactam
Concen: 41.892 ng
RT: 8.640 min Scan# 1097
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

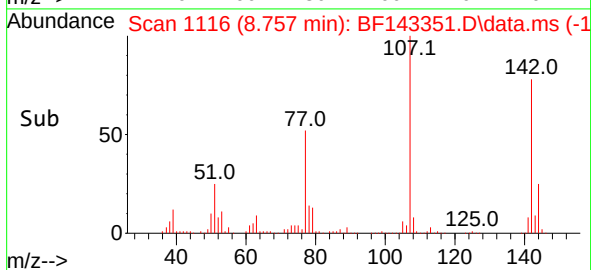
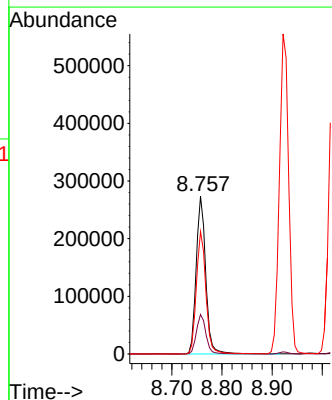
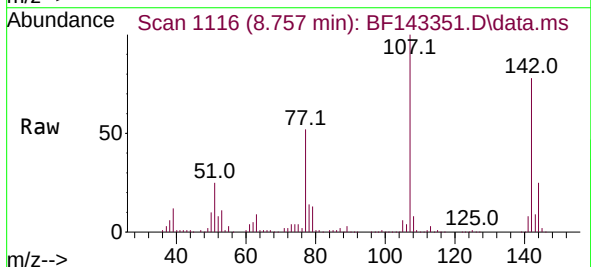
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

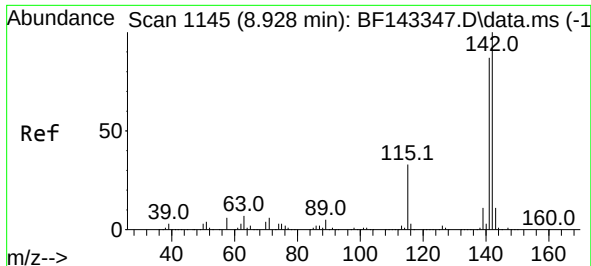
Tgt Ion:113 Resp: 99702
Ion Ratio Lower Upper
113 100
55 209.5 181.4 221.4
56 153.0 127.3 167.3



#36
4-Chloro-3-methylphenol
Concen: 40.717 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:107 Resp: 361383
Ion Ratio Lower Upper
107 100
144 25.1 20.0 30.0
142 77.6 61.3 91.9





#37

2-Methylnaphthalene

Concen: 35.270 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

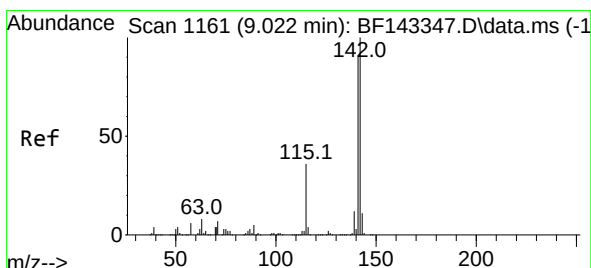
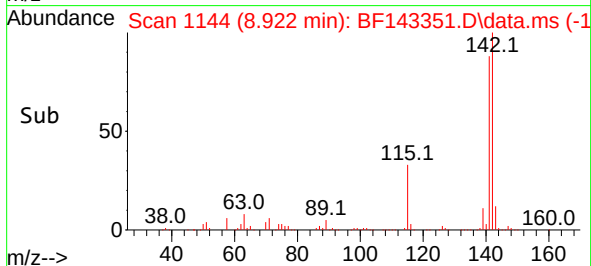
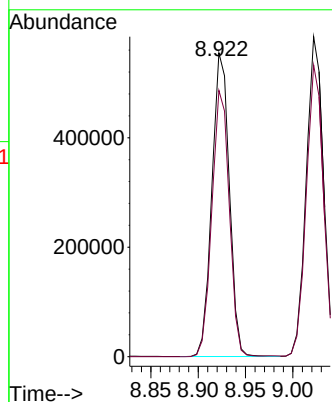
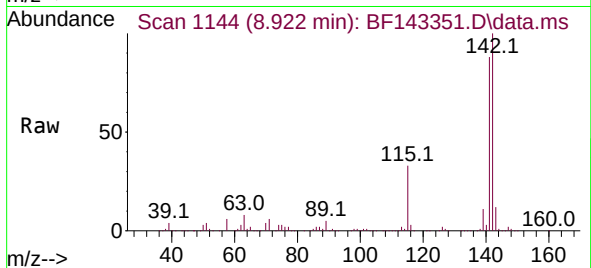
ICVBF081225

Tgt Ion:142 Resp: 707136

Ion Ratio Lower Upper

142 100

141 87.6 69.8 104.8



#38

1-Methylnaphthalene

Concen: 37.970 ng

RT: 9.022 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF143351.D

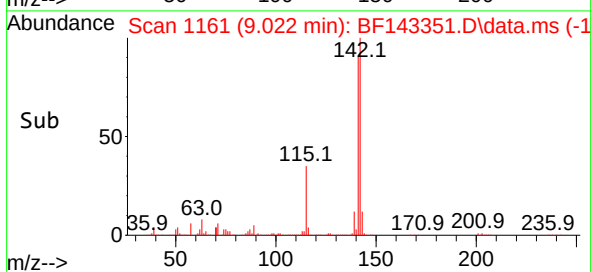
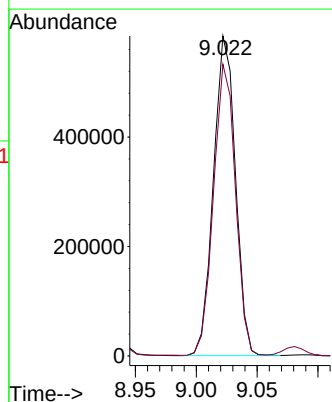
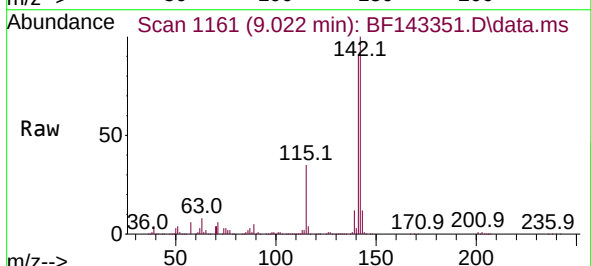
Acq: 12 Aug 2025 13:52

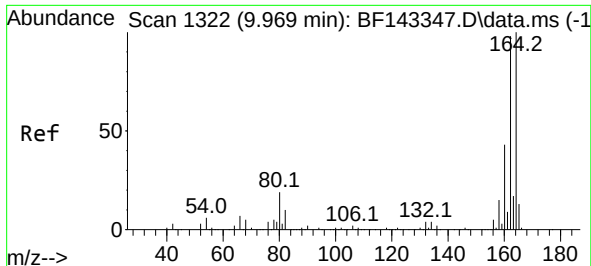
Tgt Ion:142 Resp: 733181

Ion Ratio Lower Upper

142 100

141 91.1 73.0 109.4

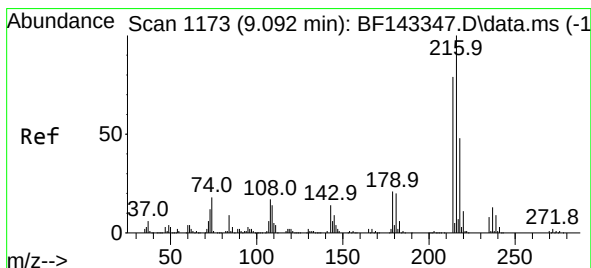
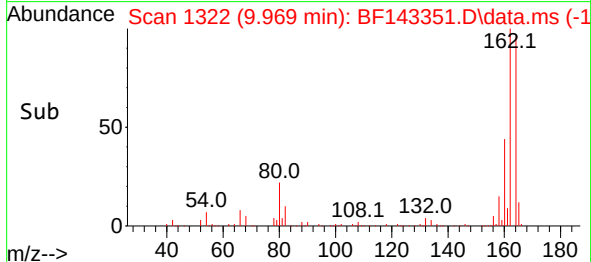
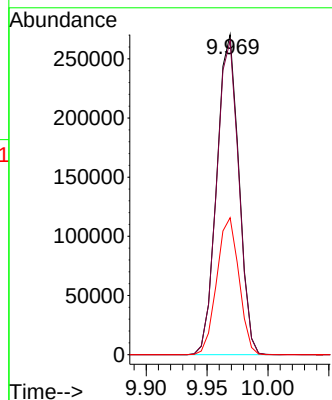
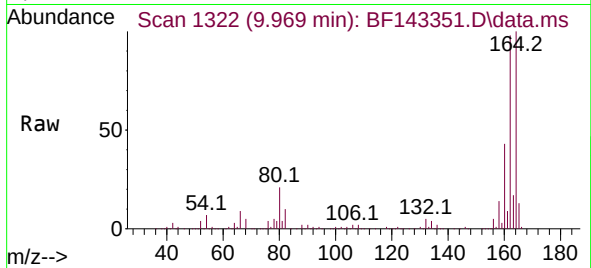




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

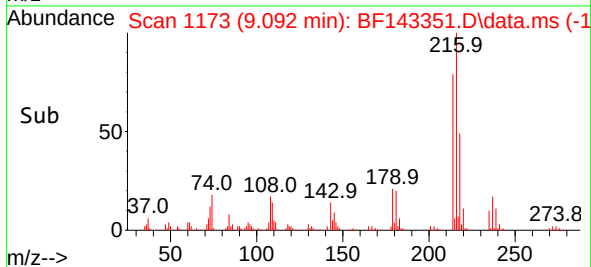
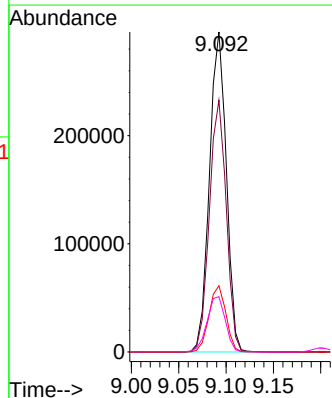
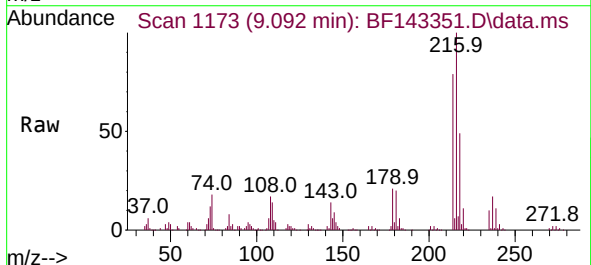
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

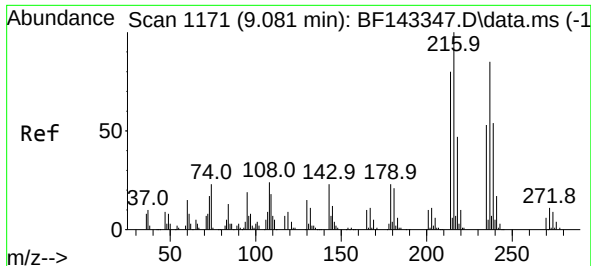
Tgt Ion:164 Resp: 340813
Ion Ratio Lower Upper
164 100
162 98.0 78.6 118.0
160 42.8 34.4 51.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.218 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

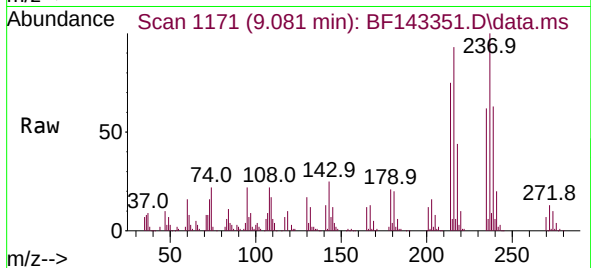
Tgt Ion:216 Resp: 365752
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 20.8 17.0 25.4
108 18.9 14.6 22.0



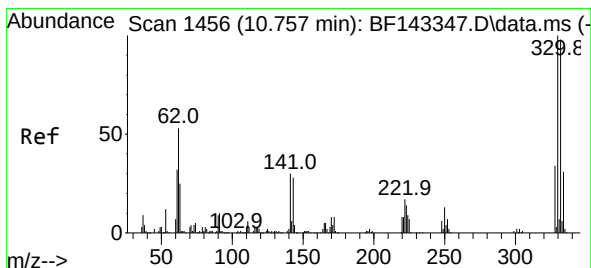
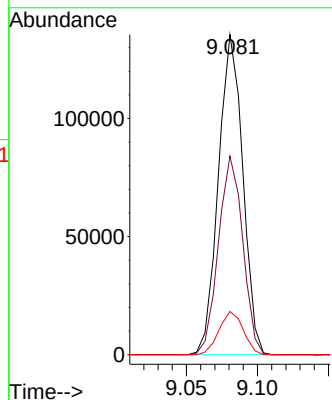
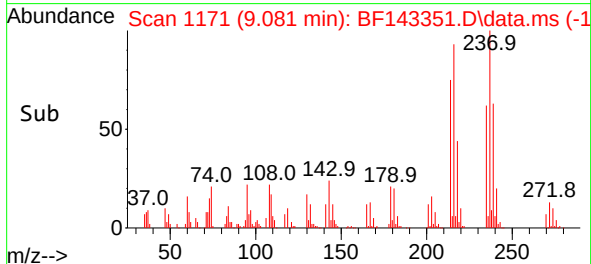


#41
Hexachlorocyclopentadiene
Concen: 51.644 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

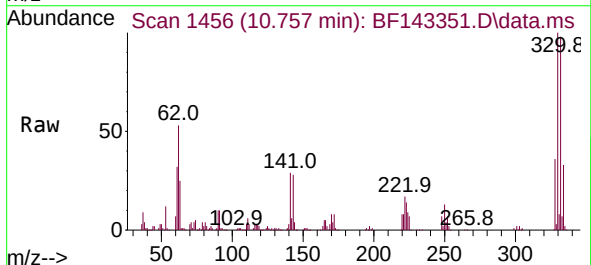
Instrument :
BNA_F
ClientSampleId :
ICVBF081225



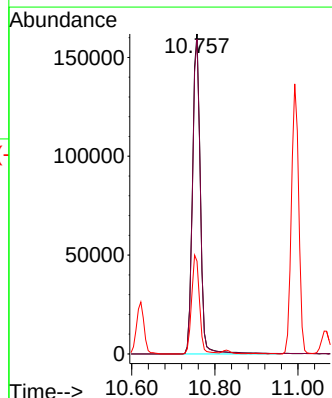
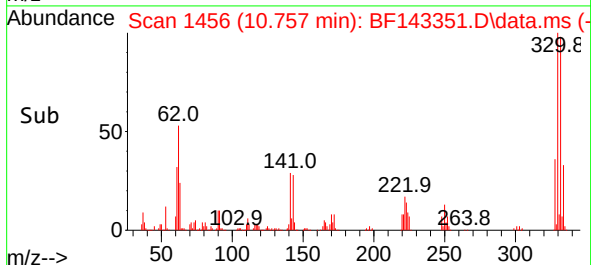
Tgt Ion:237 Resp: 161472
Ion Ratio Lower Upper
237 100
235 62.1 42.0 82.0
272 13.5 0.0 32.6

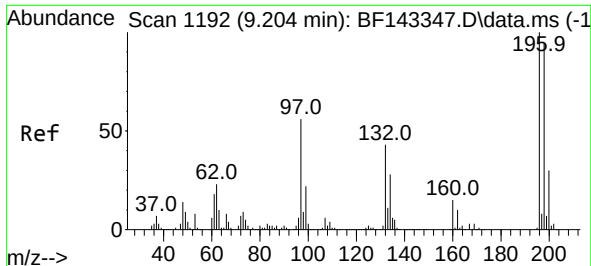


#42
2,4,6-Tribromophenol
Concen: 84.868 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52



Tgt Ion:330 Resp: 211383
Ion Ratio Lower Upper
330 100
332 97.7 78.1 117.1
141 31.2 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 42.843 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

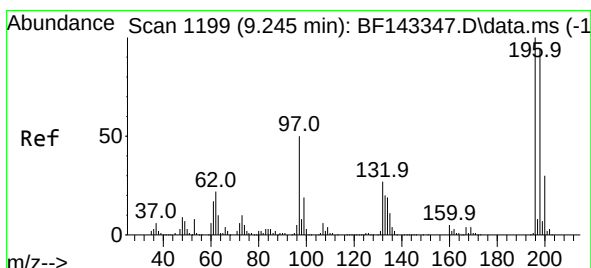
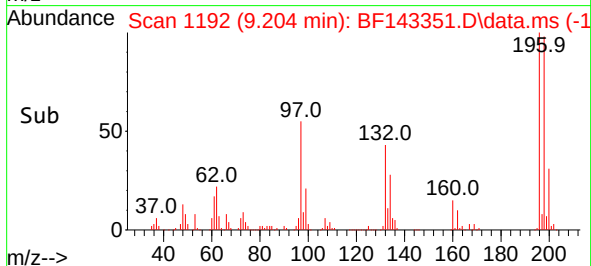
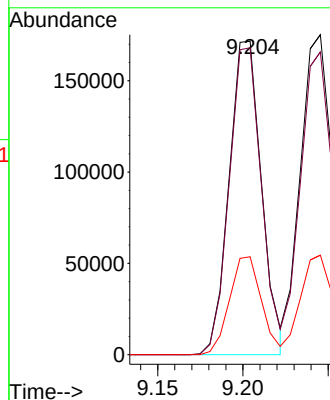
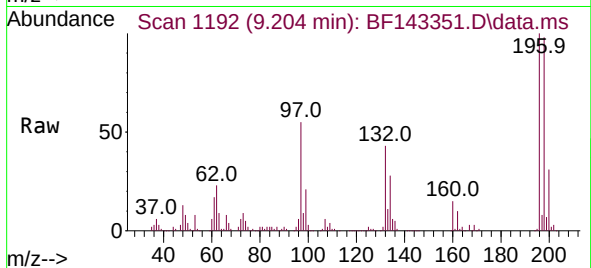
Tgt Ion:196 Resp: 226704

Ion Ratio Lower Upper

196 100

198 97.9 75.4 113.0

200 31.2 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 41.305 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Tgt Ion:196 Resp: 246815

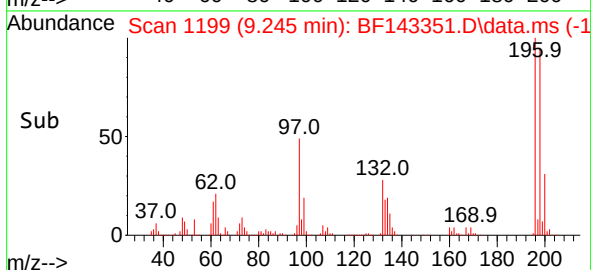
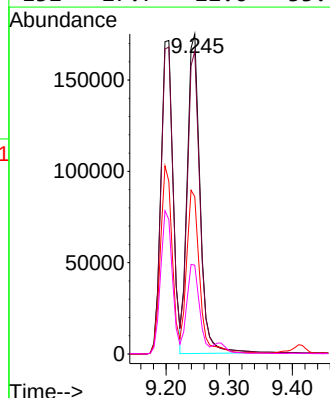
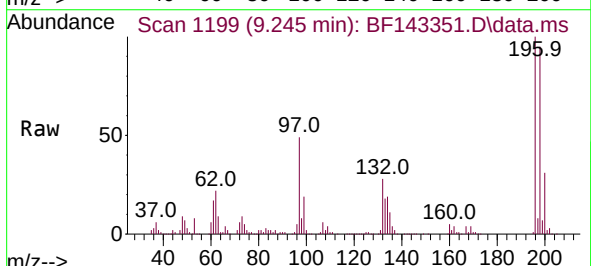
Ion Ratio Lower Upper

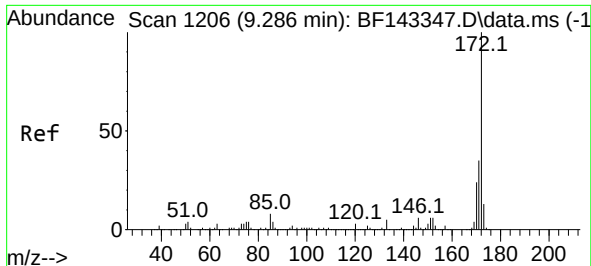
196 100

198 94.6 75.4 113.2

97 49.1 39.9 59.9

132 27.7 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 74.116 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

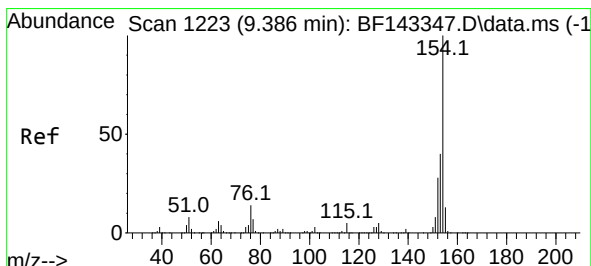
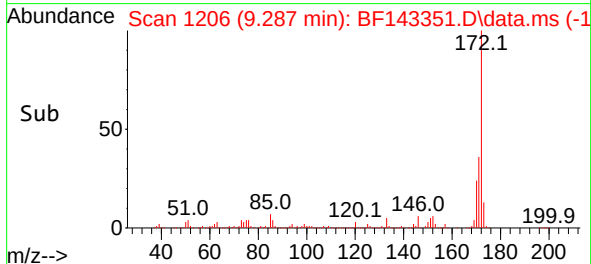
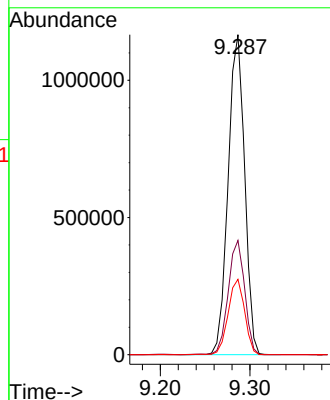
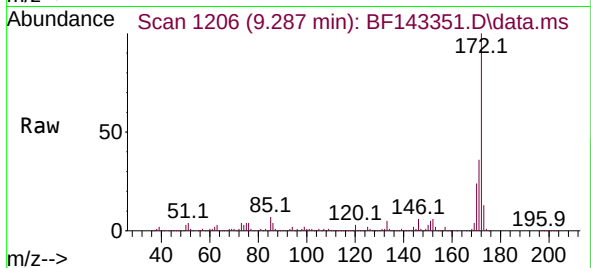
Tgt Ion:172 Resp: 1489585

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.6 19.1 28.7



#46

1,1'-Biphenyl

Concen: 38.812 ng

RT: 9.387 min Scan# 1223

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

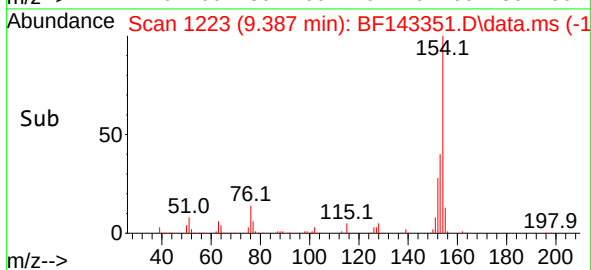
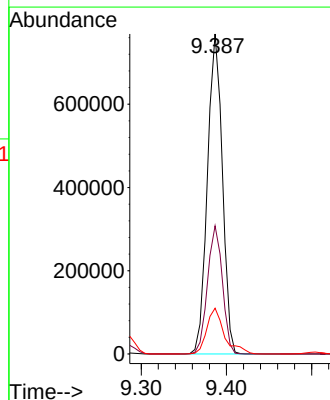
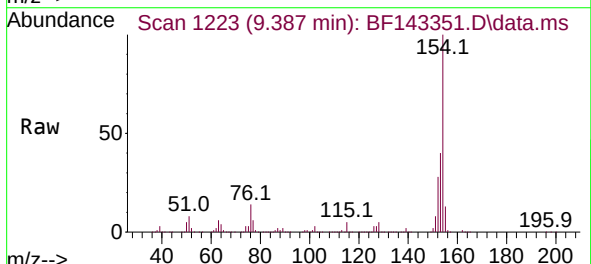
Tgt Ion:154 Resp: 935277

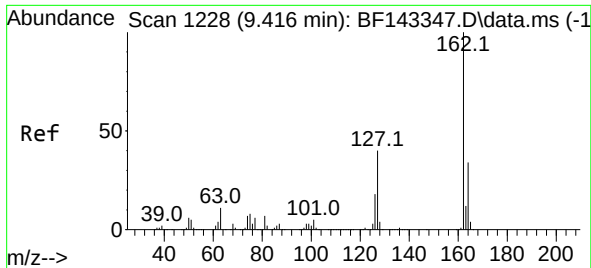
Ion Ratio Lower Upper

154 100

153 40.1 20.2 60.2

76 14.3 0.0 34.4

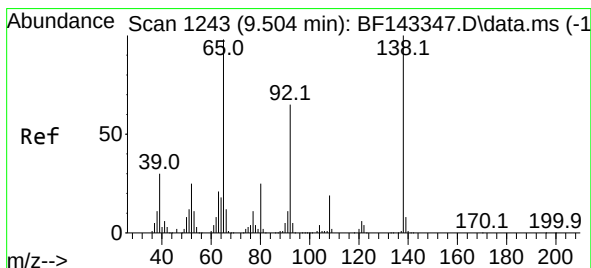
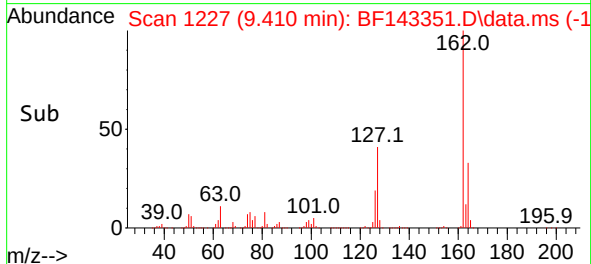
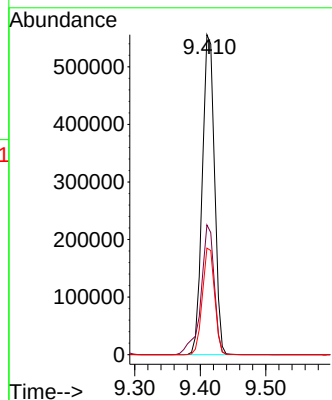
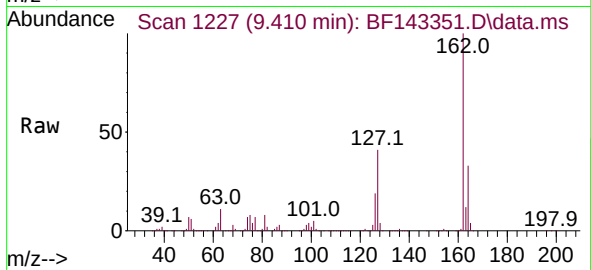




#47
2-Chloronaphthalene
Concen: 38.093 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

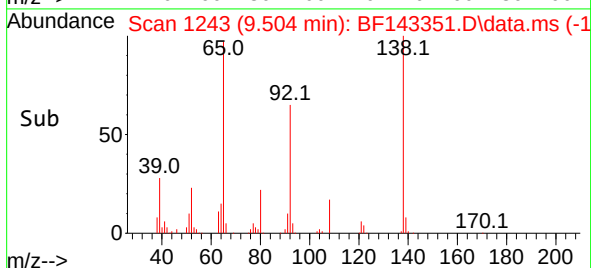
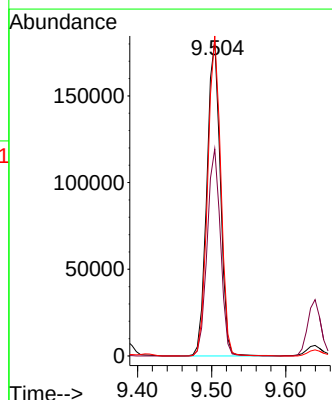
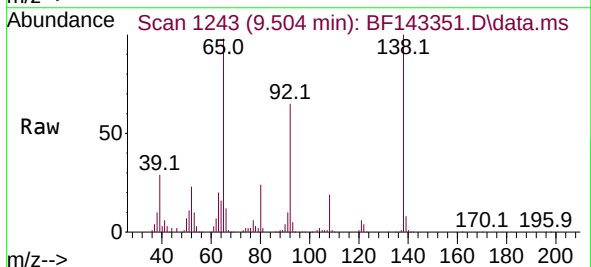
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

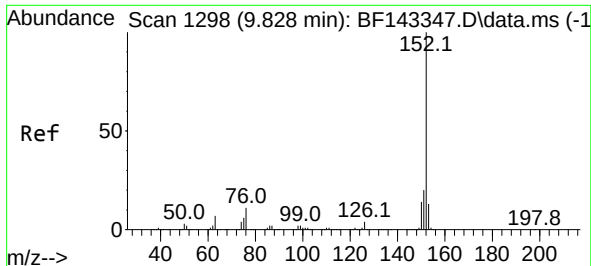
Tgt Ion:162 Resp: 722952
Ion Ratio Lower Upper
162 100
127 40.6 32.1 48.1
164 33.3 27.0 40.4



#48
2-Nitroaniline
Concen: 42.167 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 65 Resp: 228854
Ion Ratio Lower Upper
65 100
92 65.7 53.1 79.7
138 101.5 81.4 122.0

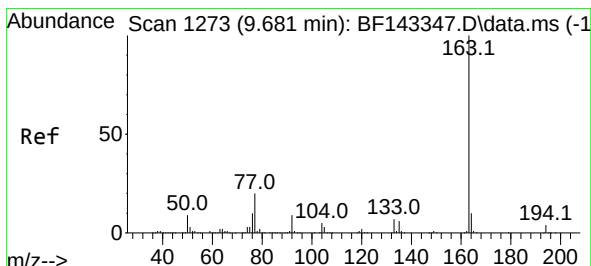
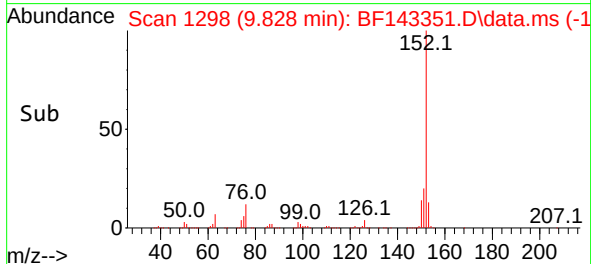
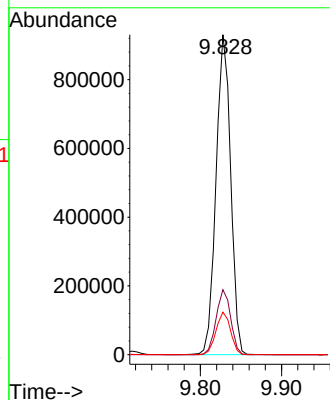
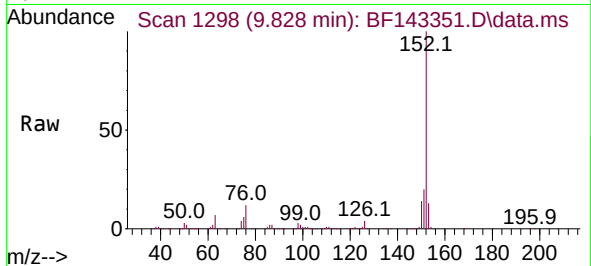




#49
Acenaphthylene
Concen: 42.507 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

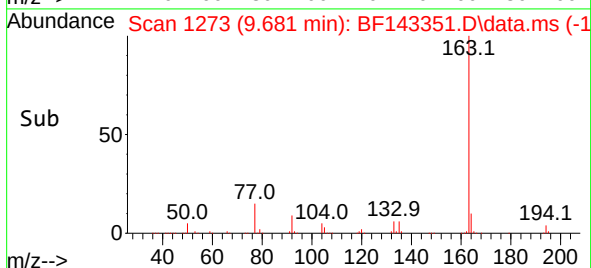
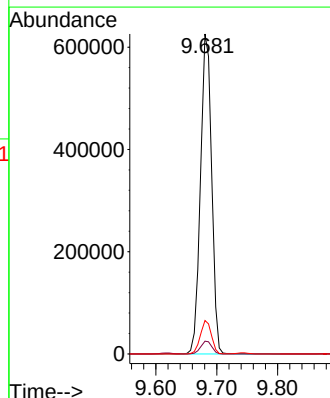
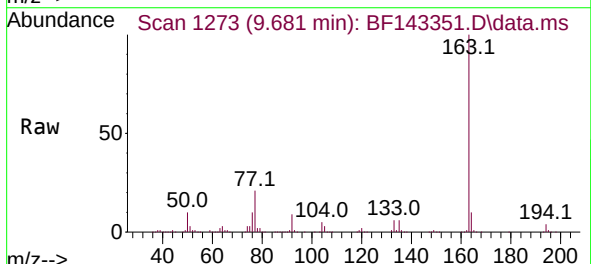
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

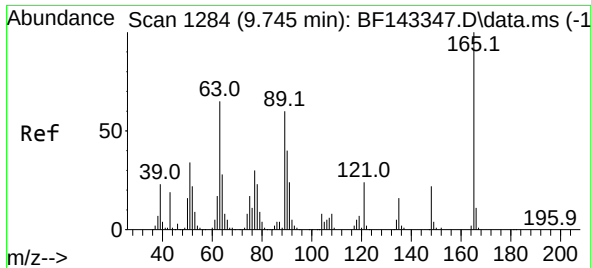
Tgt Ion:152 Resp: 1164992
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 40.126 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:163 Resp: 799080
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.4 8.2 12.2

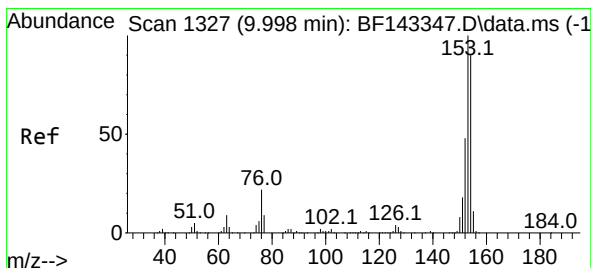
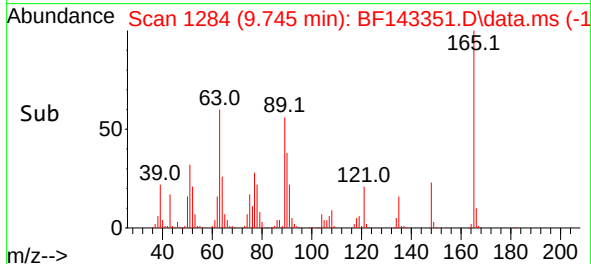
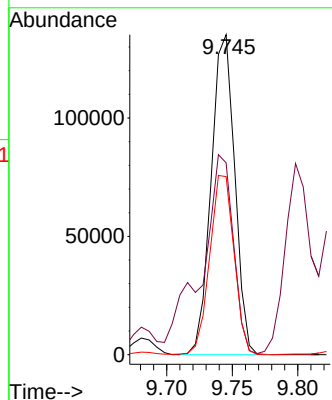
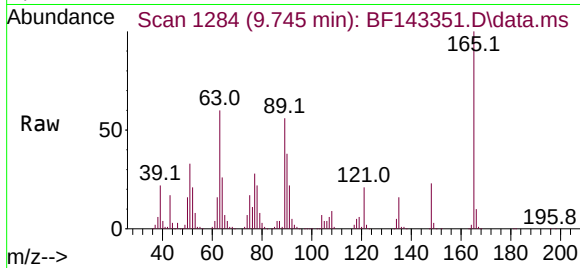




#51
2,6-Dinitrotoluene
Concen: 45.012 ng
RT: 9.745 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

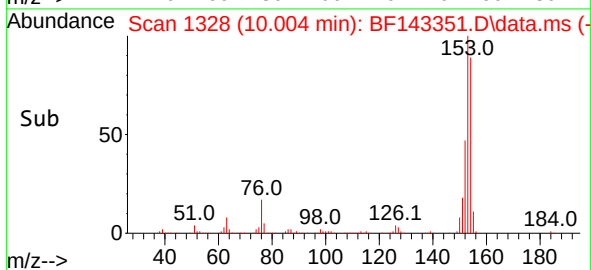
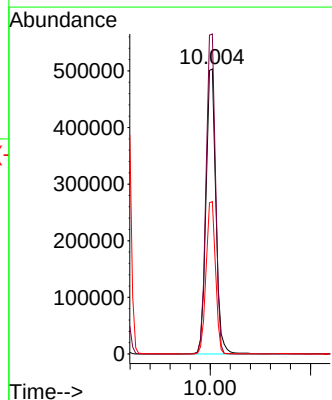
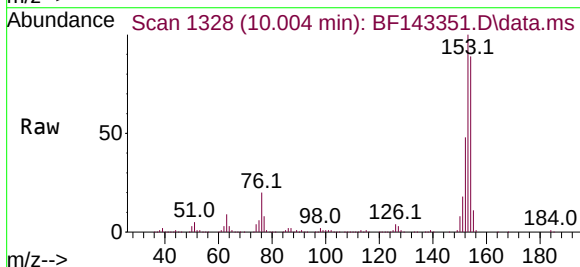
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

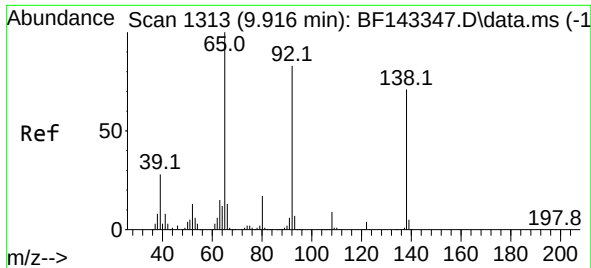
Tgt Ion:165 Resp: 168880
Ion Ratio Lower Upper
165 100
63 60.0 51.6 77.4
89 55.7 47.7 71.5



#52
Acenaphthene
Concen: 37.893 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:154 Resp: 690443
Ion Ratio Lower Upper
154 100
153 112.3 88.5 132.7
152 53.4 42.4 63.6

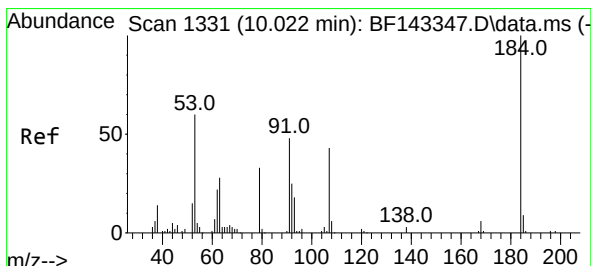
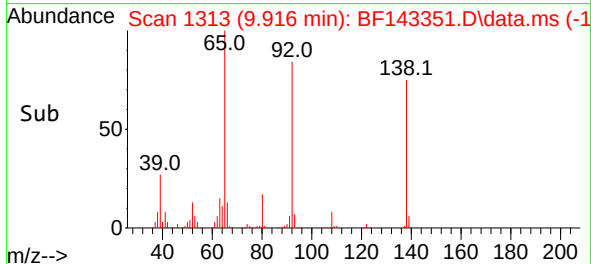
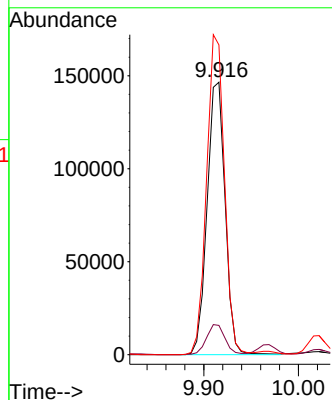
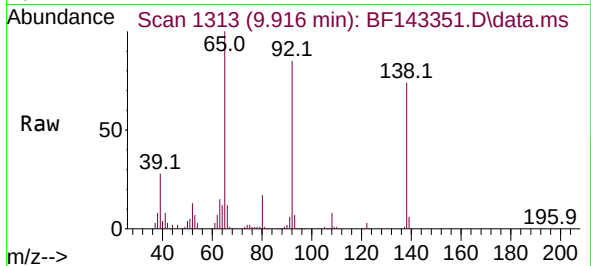




#53
3-Nitroaniline
Concen: 47.593 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

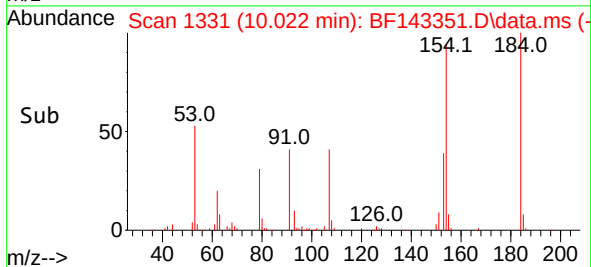
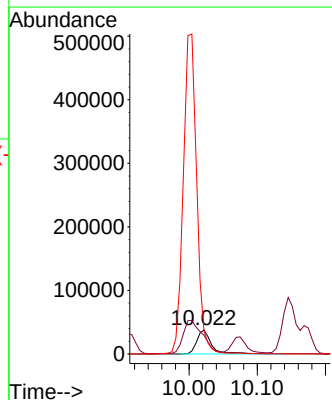
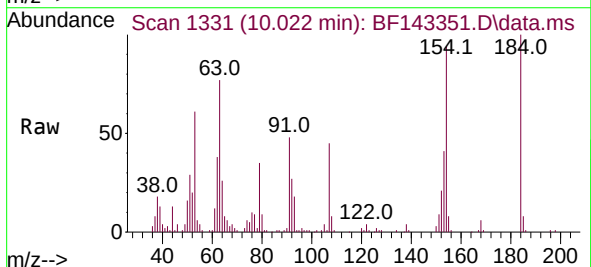
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

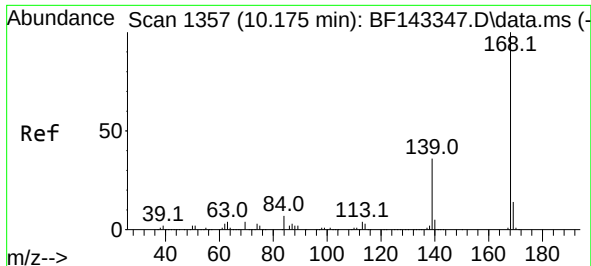
Tgt Ion:138 Resp: 194097
Ion Ratio Lower Upper
138 100
108 10.8 9.6 14.4
92 113.7 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 45.910 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:184 Resp: 56042
Ion Ratio Lower Upper
184 100
63 77.4 62.5 93.7
154 94.4 73.0 109.4

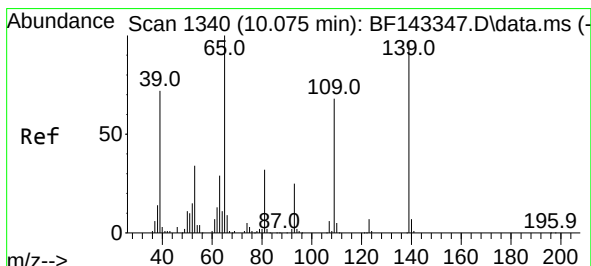
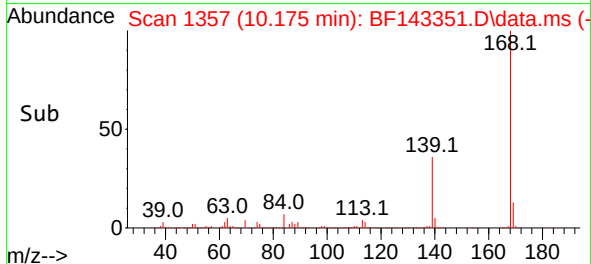
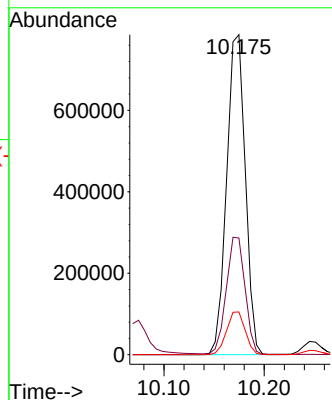
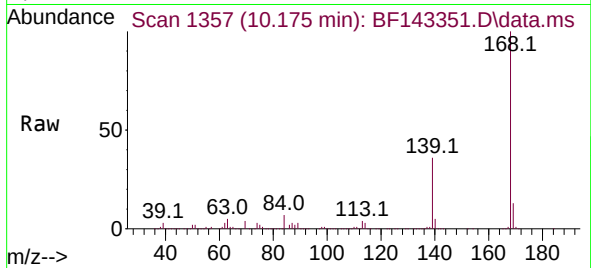




#55
Dibenzofuran
Concen: 38.652 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

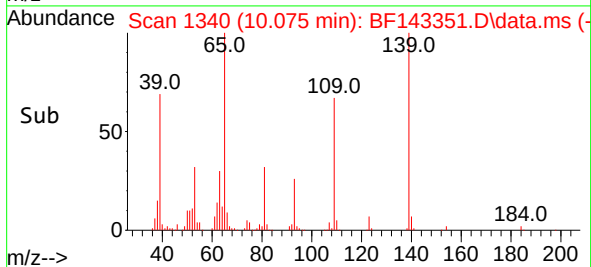
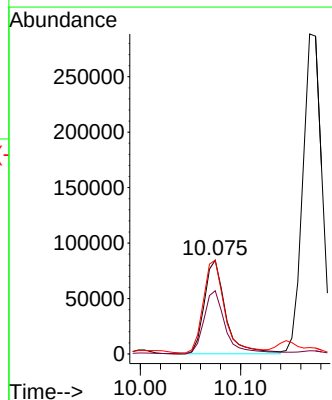
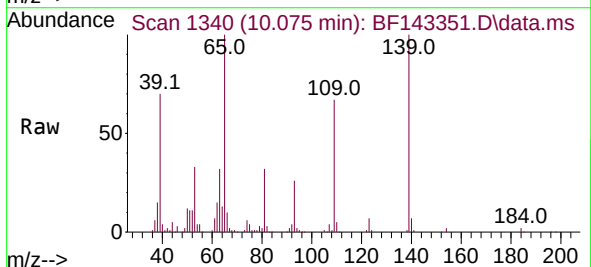
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

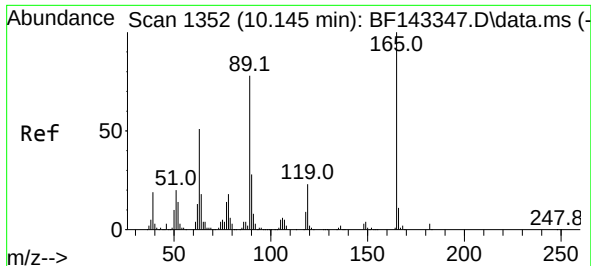
Tgt Ion:168 Resp: 1013581
Ion Ratio Lower Upper
168 100
139 36.5 29.4 44.0
169 13.4 11.0 16.6



#56
4-Nitrophenol
Concen: 41.060 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

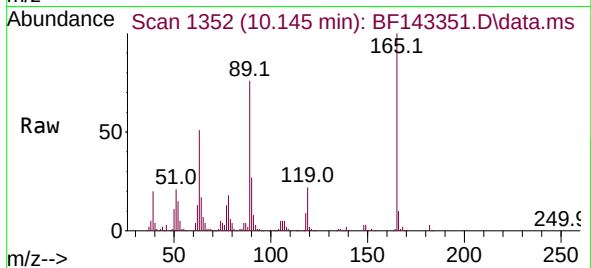
Tgt Ion:139 Resp: 124501
Ion Ratio Lower Upper
139 100
109 67.4 49.4 89.4
65 100.1 83.7 123.7



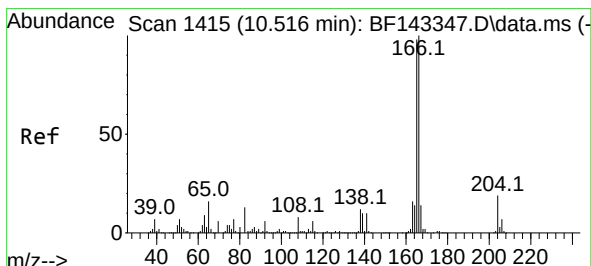
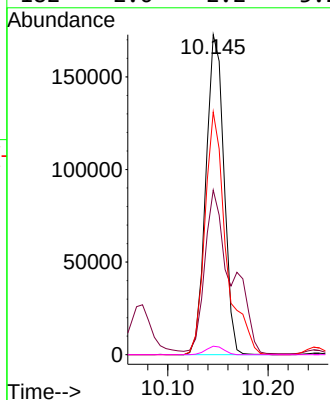
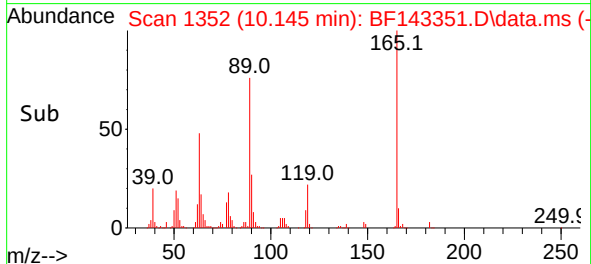


#57
2,4-Dinitrotoluene
Concen: 43.458 ng
RT: 10.145 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

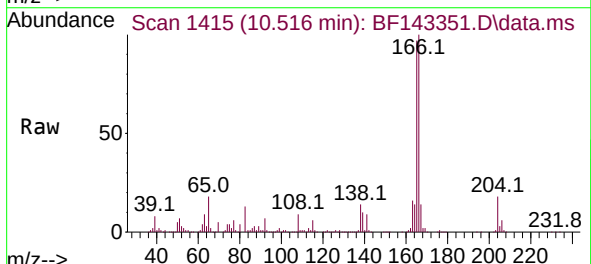
Instrument :
BNA_F
ClientSampleId :
ICVBF081225



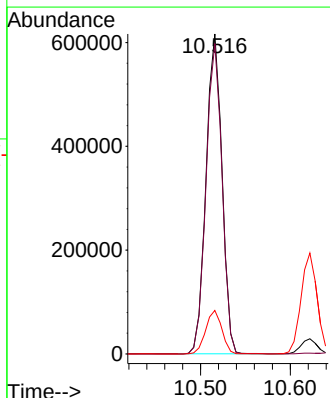
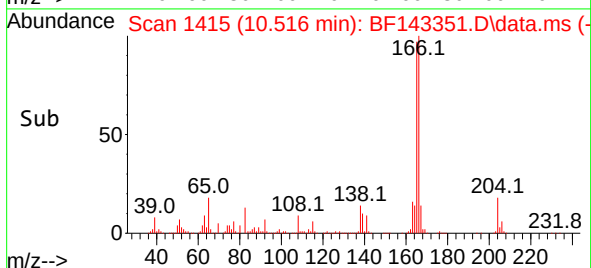
Tgt Ion:165	Resp:	215795
Ion	Ratio	Lower Upper
165	100	
63	51.4	41.8 62.8
89	75.9	62.4 93.6
182	2.6	2.2 3.2

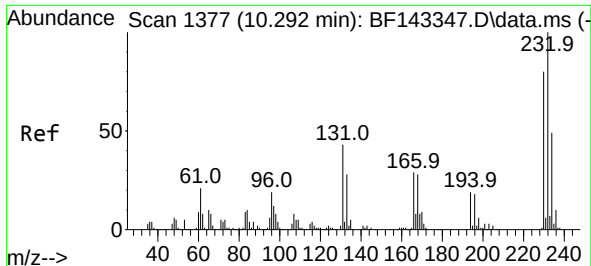


#58
Fluorene
Concen: 38.022 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52



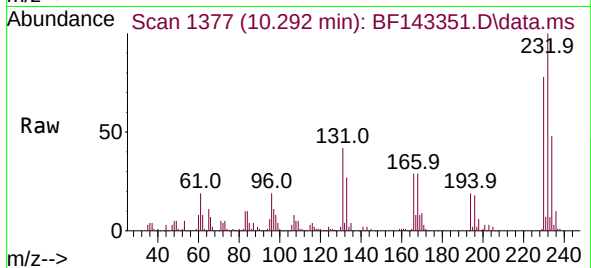
Tgt Ion:166	Resp:	761581
Ion	Ratio	Lower Upper
166	100	
165	97.0	78.2 117.4
167	13.6	10.9 16.3



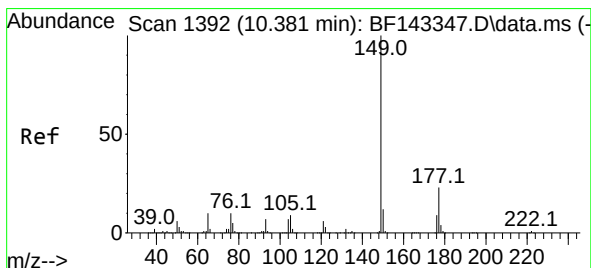
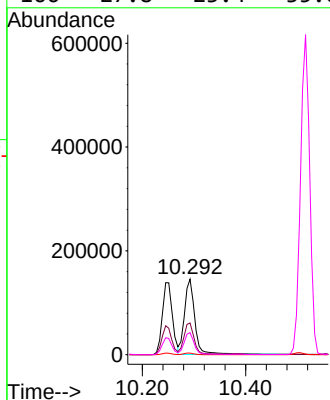
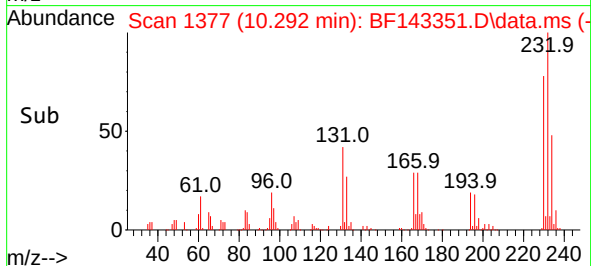


#59
2,3,4,6-Tetrachlorophenol
Concen: 50.091 ng
RT: 10.292 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

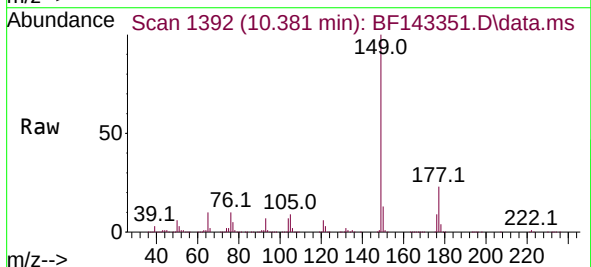
Instrument :
BNA_F
ClientSampleId :
ICVBF081225



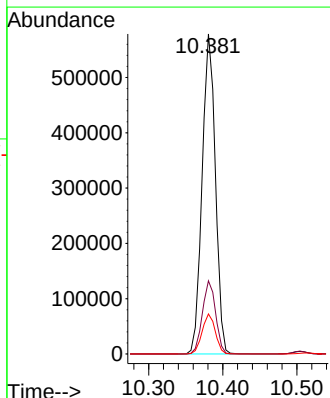
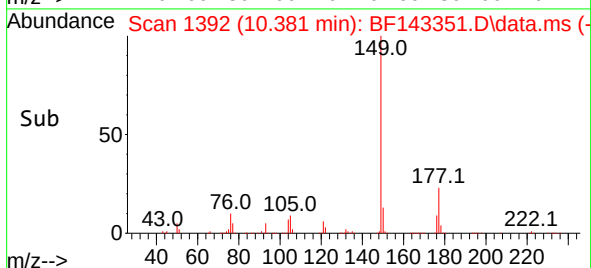
Tgt Ion:232 Resp: 201768
Ion Ratio Lower Upper
232 100
131 42.2 34.6 51.8
130 2.1 1.7 2.5
166 27.8 23.4 35.0

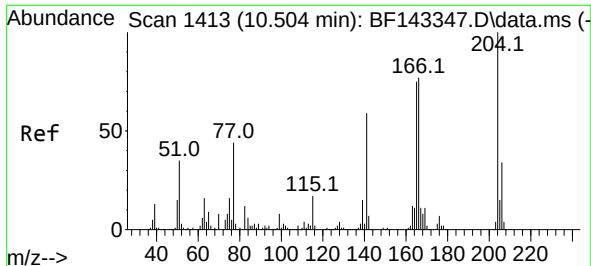


#60
Diethylphthalate
Concen: 40.317 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52



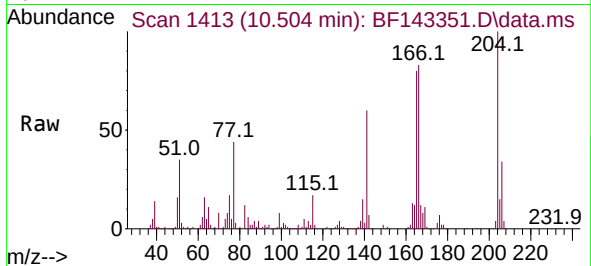
Tgt Ion:149 Resp: 719164
Ion Ratio Lower Upper
149 100
177 22.9 18.2 27.2
150 12.5 9.9 14.9



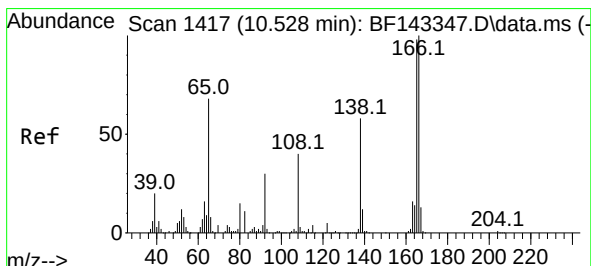
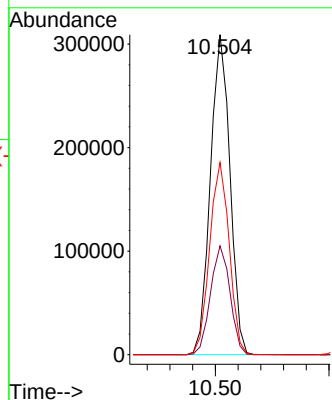
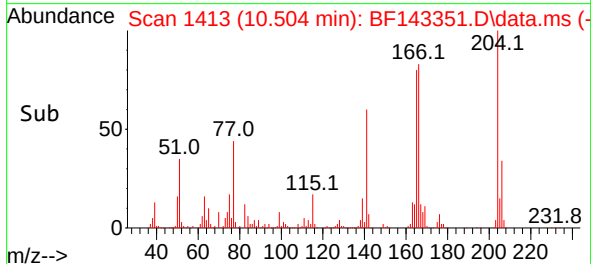


#61
4-Chlorophenyl-phenylether
Concen: 38.123 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

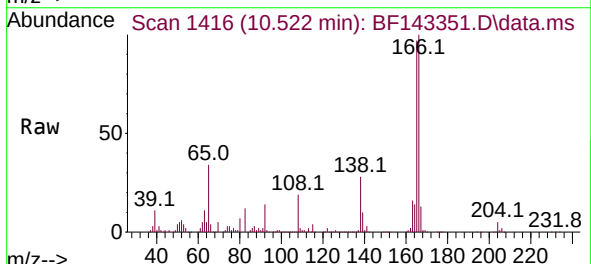
Instrument :
BNA_F
ClientSampleId :
ICVBF081225



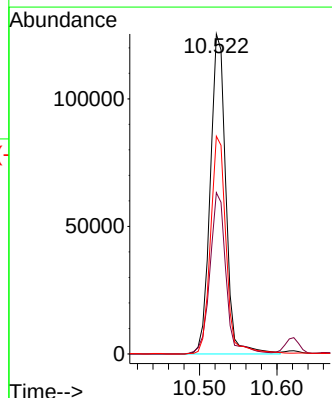
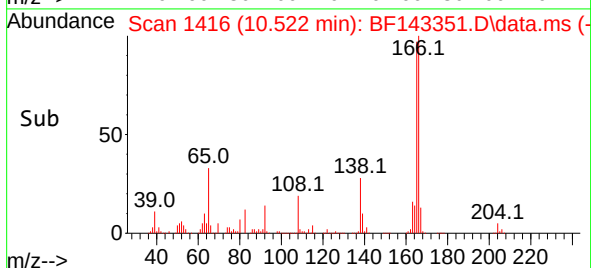
Tgt Ion:204 Resp: 368971
Ion Ratio Lower Upper
204 100
206 34.0 27.4 41.2
141 60.1 46.9 70.3

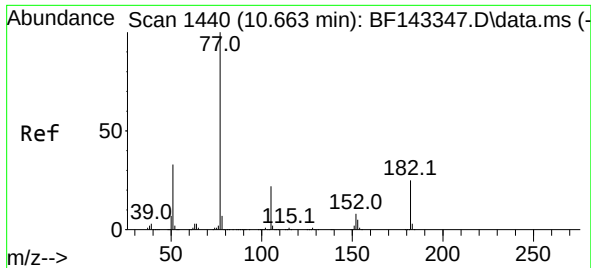


#62
4-Nitroaniline
Concen: 44.317 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52



Tgt Ion:138 Resp: 174863
Ion Ratio Lower Upper
138 100
92 50.4 31.2 71.2
108 68.1 48.1 88.1

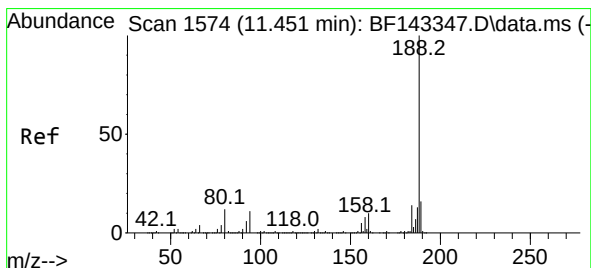
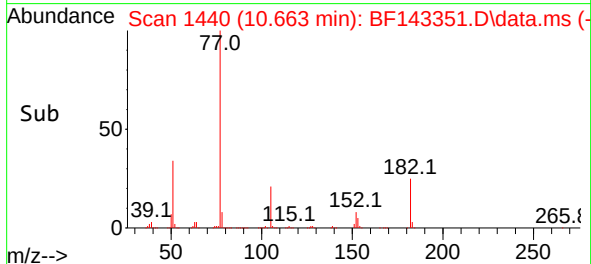
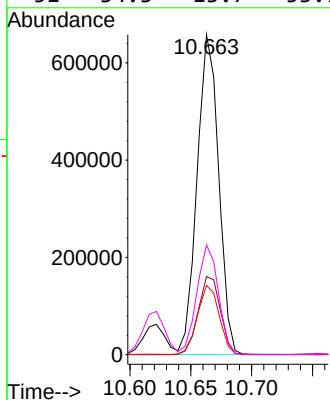
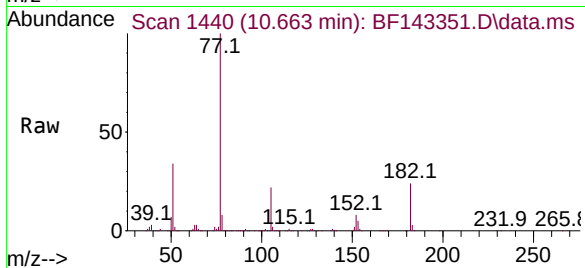




#63
Azobenzene
Concen: 39.721 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

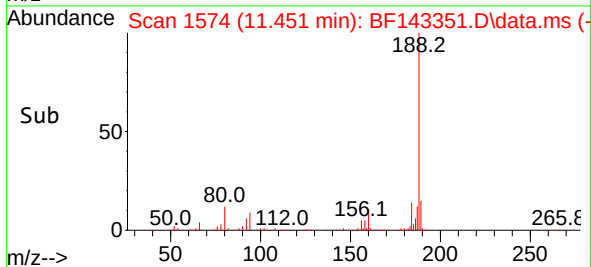
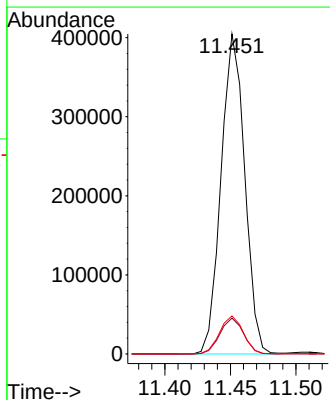
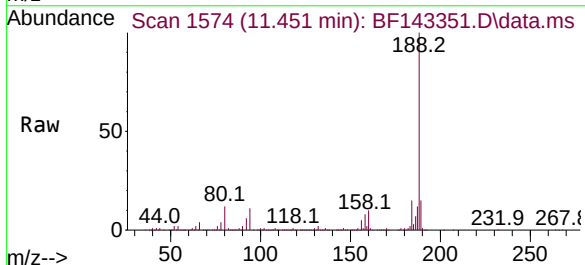
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

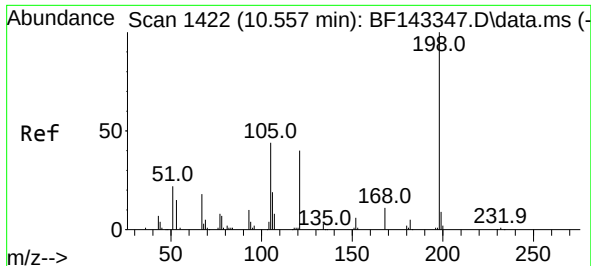
Tgt Ion: 77	Resp: 809295
Ion Ratio	Lower Upper
77 100	
182 24.4	4.4 44.4
105 21.7	1.8 41.8
51 34.3	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:188	Resp: 507289
Ion Ratio	Lower Upper
188 100	
94 11.2	8.8 13.2
80 11.9	9.7 14.5

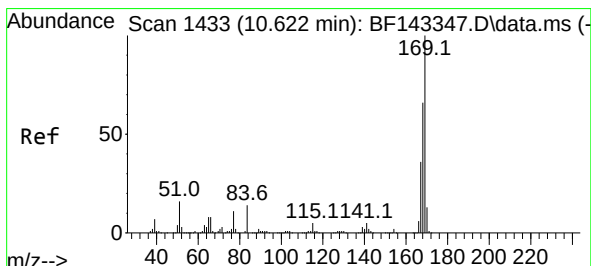
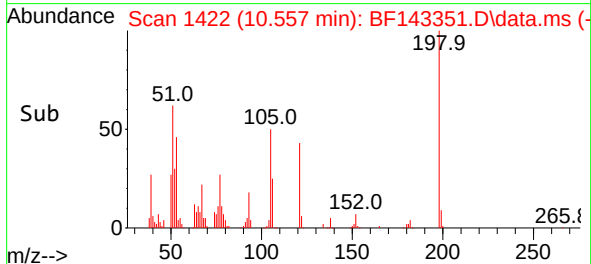
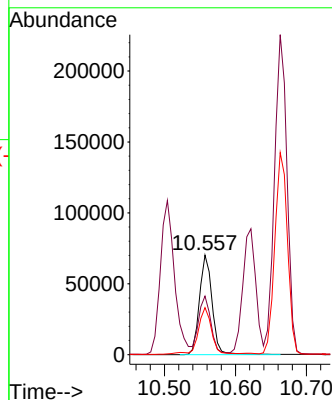
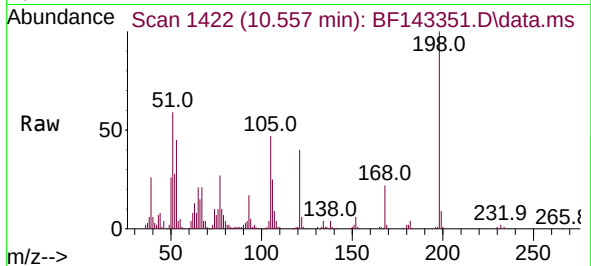




#65
4,6-Dinitro-2-methylphenol
Concen: 43.535 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

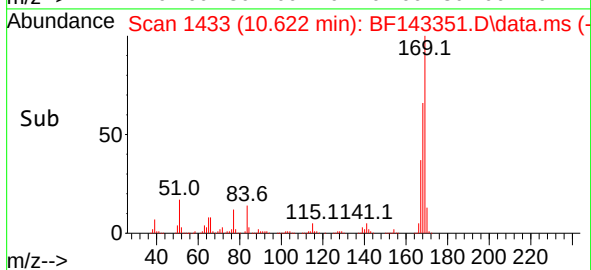
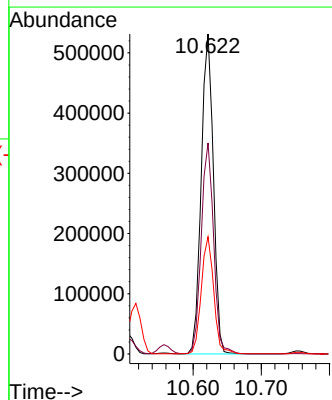
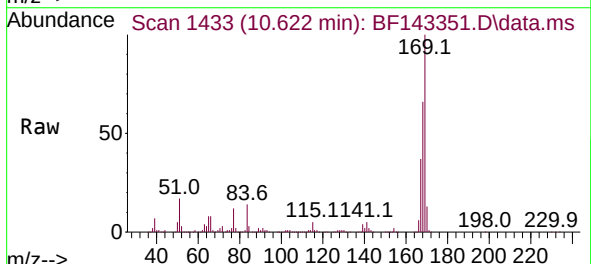
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

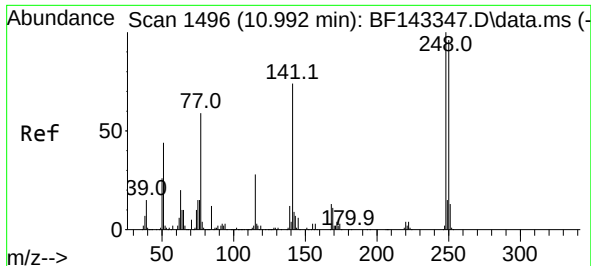
Tgt Ion:198 Resp: 87717
Ion Ratio Lower Upper
198 100
51 58.8 41.7 81.7
105 47.3 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 39.468 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:169 Resp: 659263
Ion Ratio Lower Upper
169 100
168 66.0 52.7 79.1
167 36.6 28.6 42.8

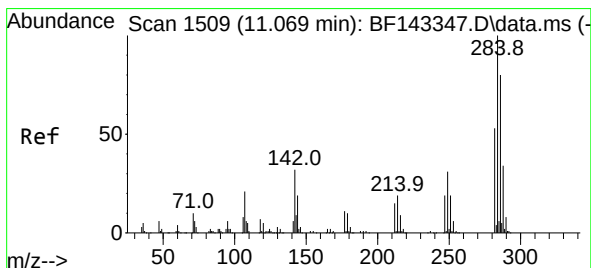
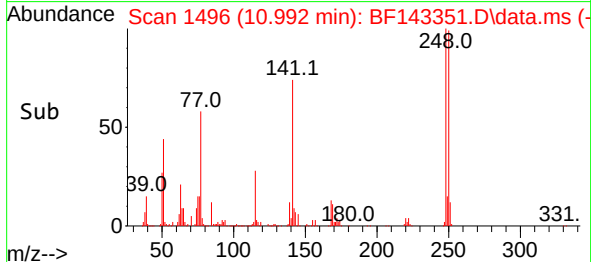
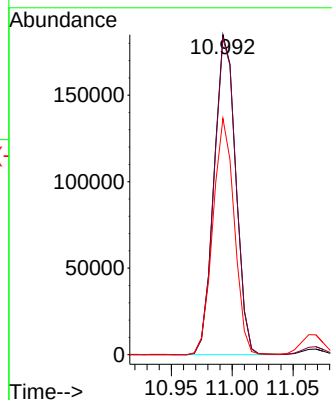
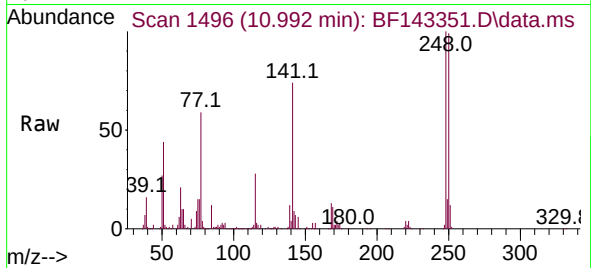




#67
4-Bromophenyl-phenylether
Concen: 39.466 ng
RT: 10.992 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

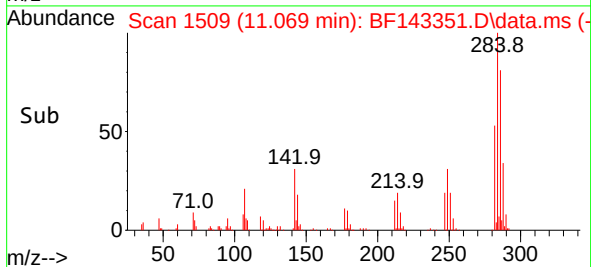
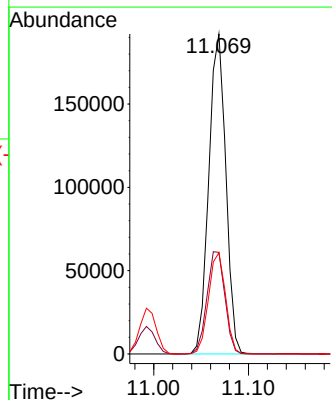
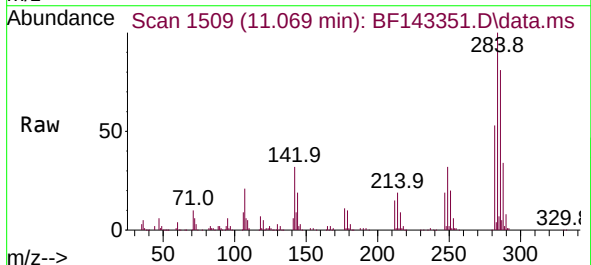
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

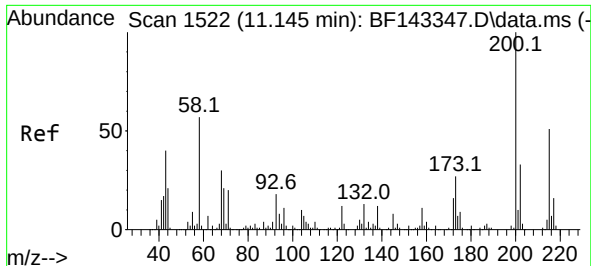
Tgt Ion:	248	Resp:	228971
Ion Ratio	Lower	Upper	
248	100		
250	98.9	77.1	115.7
141	73.9	59.1	88.7



#68
Hexachlorobenzene
Concen: 38.460 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:	284	Resp:	240521
Ion Ratio	Lower	Upper	
284	100		
142	31.7	25.7	38.5
249	31.6	24.6	37.0

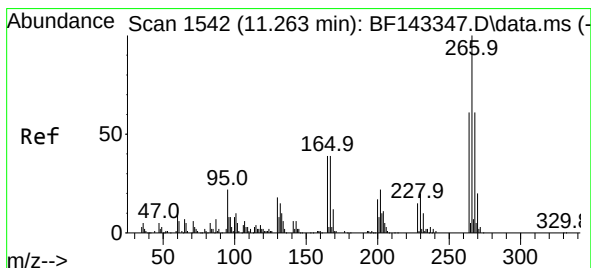
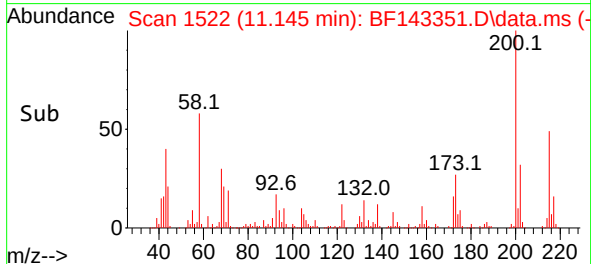
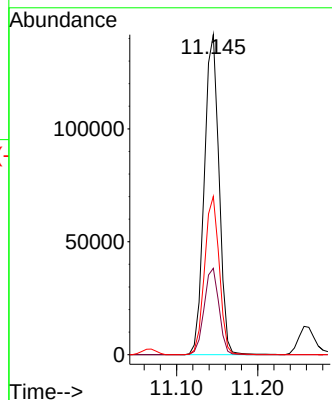
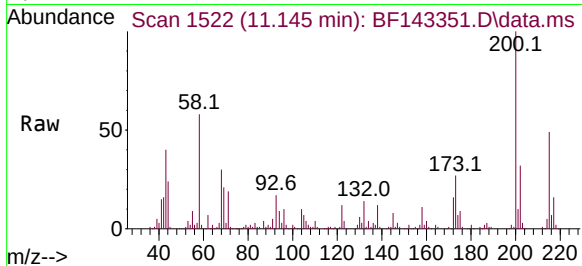




#69
Atrazine
Concen: 40.936 ng
RT: 11.145 min Scan# 1522
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

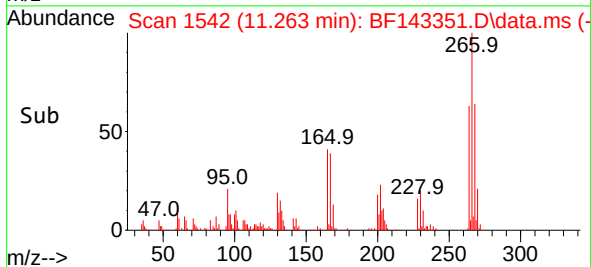
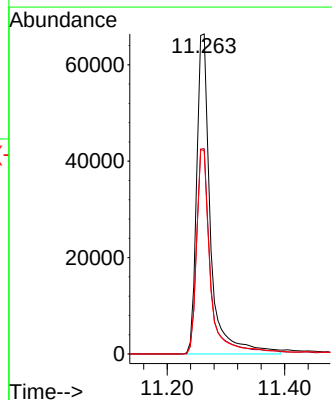
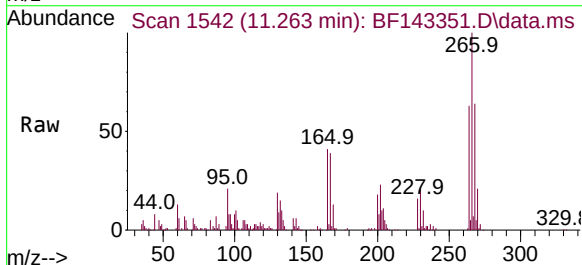
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

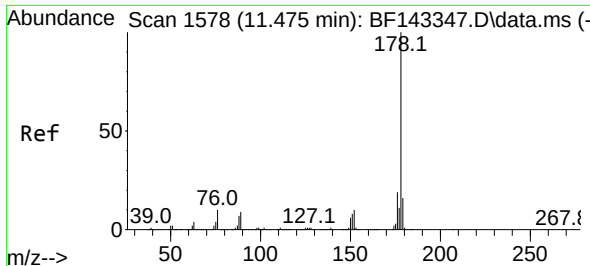
Tgt Ion:200 Resp: 178347
Ion Ratio Lower Upper
200 100
173 27.0 6.6 46.6
215 49.4 30.6 70.6



#70
Pentachlorophenol
Concen: 38.771 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:266 Resp: 108593
Ion Ratio Lower Upper
266 100
268 64.2 48.8 73.2
264 63.4 48.8 73.2

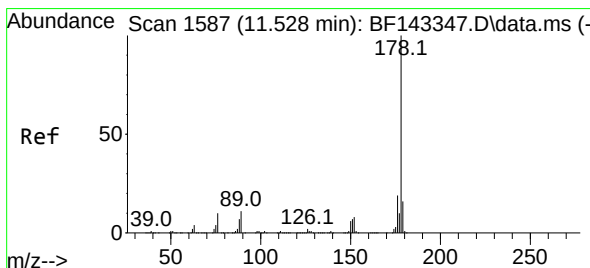
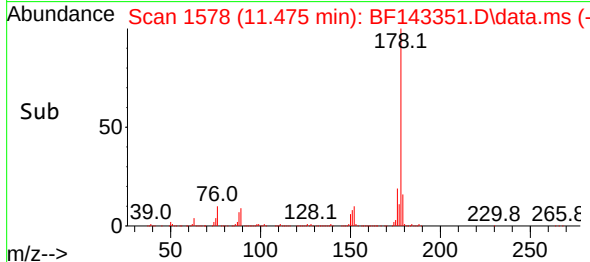
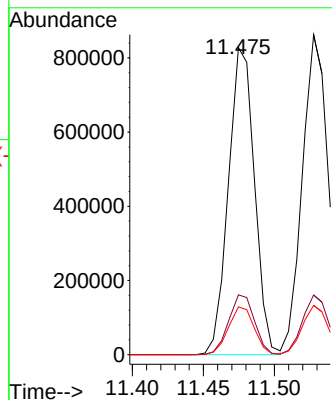
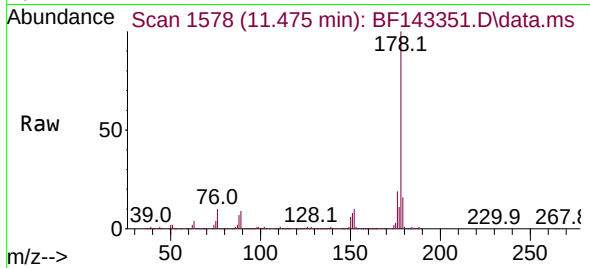




#71
Phenanthrene
Concen: 38.330 ng
RT: 11.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

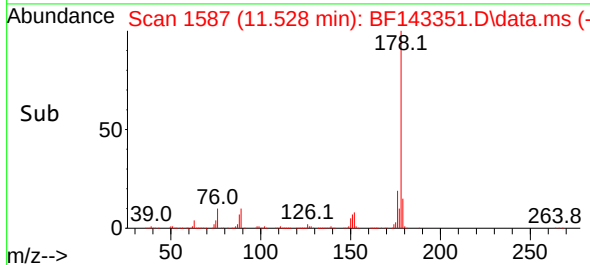
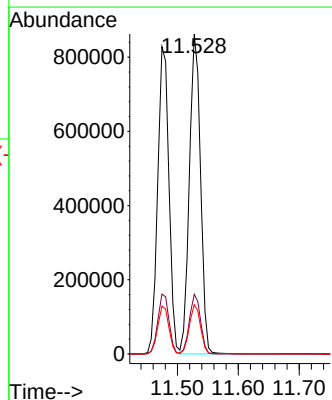
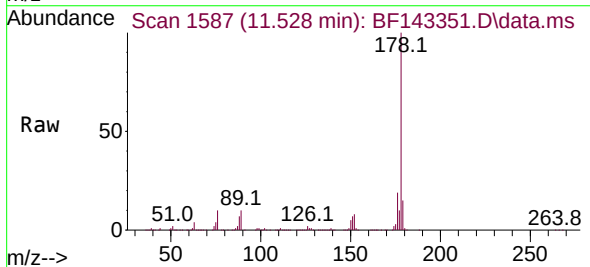
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

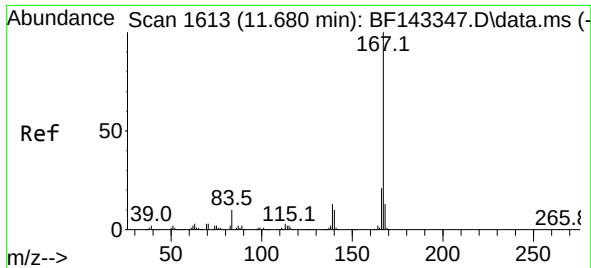
Tgt Ion:178 Resp: 1060892
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.5 12.5 18.7



#72
Anthracene
Concen: 38.834 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

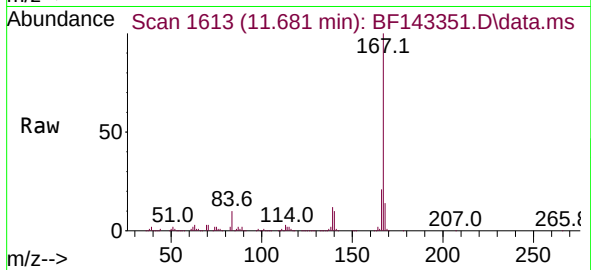
Tgt Ion:178 Resp: 1090047
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.4 12.7 19.1



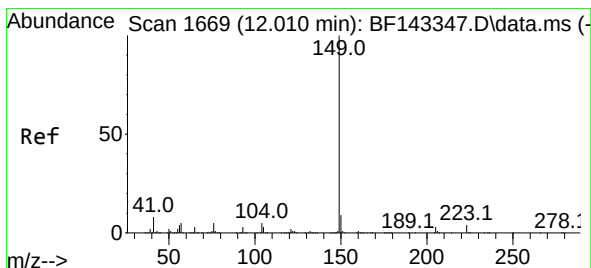
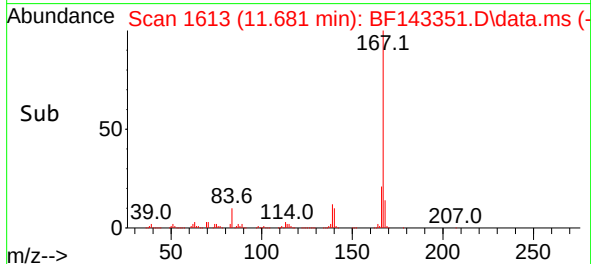
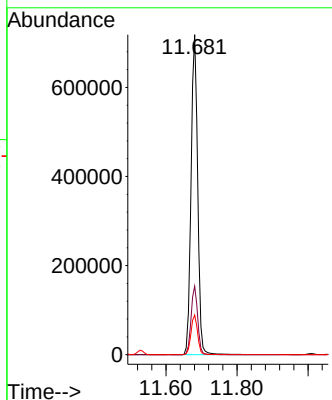


#73
 Carbazole
 Concen: 38.877 ng
 RT: 11.681 min Scan# 1613
 Delta R.T. 0.000 min
 Lab File: BF143351.D
 Acq: 12 Aug 2025 13:52

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF081225

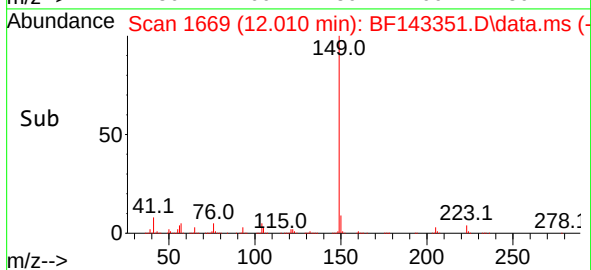
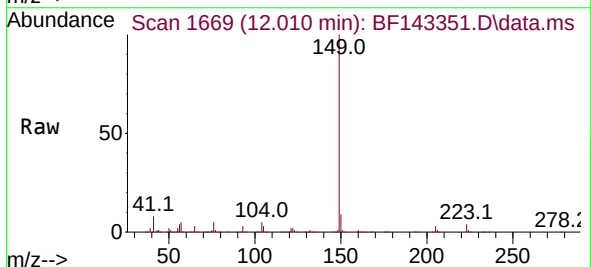
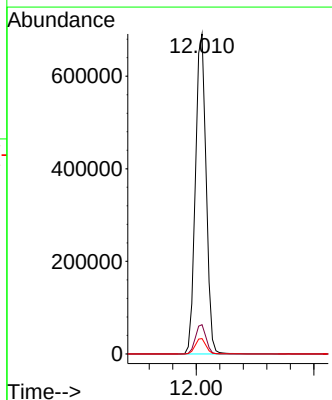


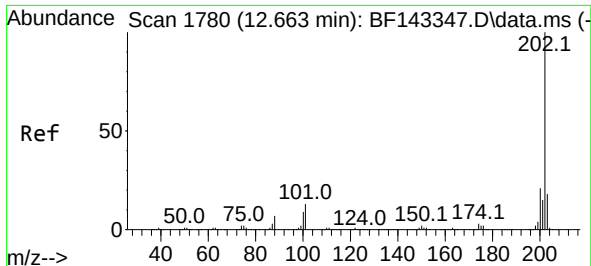
Tgt Ion:	167	Resp:	929366
Ion Ratio	Lower	Upper	
167	100		
166	21.4	16.8	25.2
139	12.4	10.2	15.2



#74
 Di-n-butylphthalate
 Concen: 43.060 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF143351.D
 Acq: 12 Aug 2025 13:52

Tgt Ion:	149	Resp:	871054
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.4	11.0
104	4.8	3.8	5.8

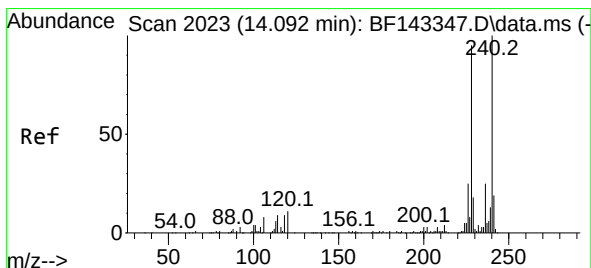
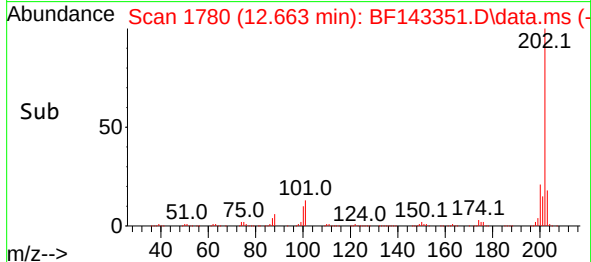
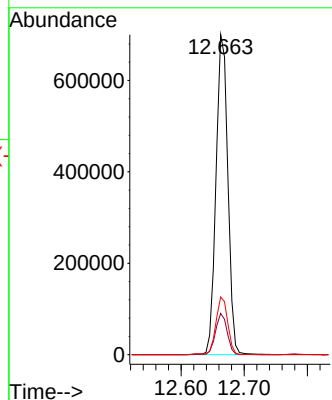
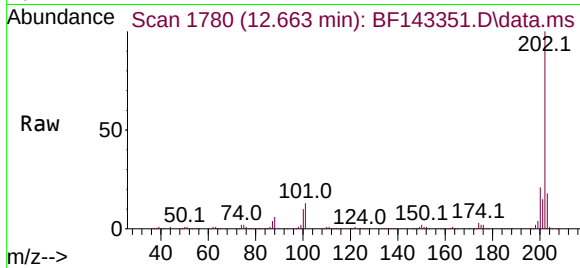




#75
Fluoranthene
Concen: 37.543 ng
RT: 12.663 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

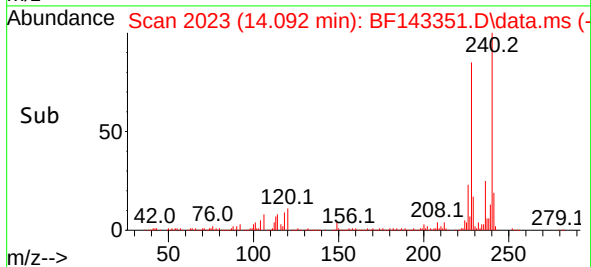
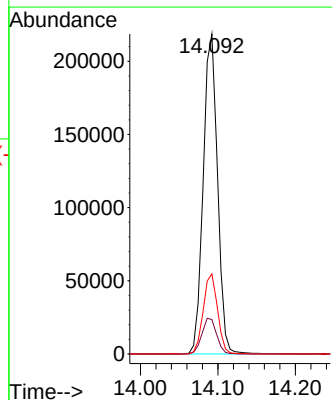
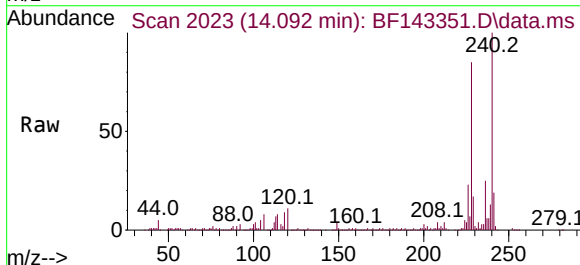
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

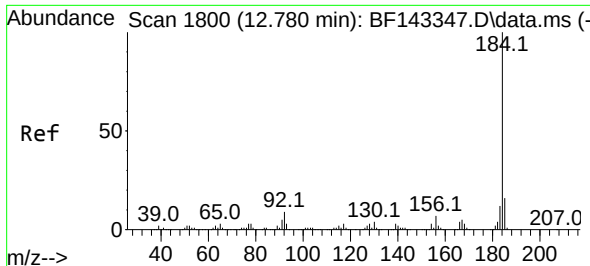
Tgt Ion:	202	Resp:	910203
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	18.1	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

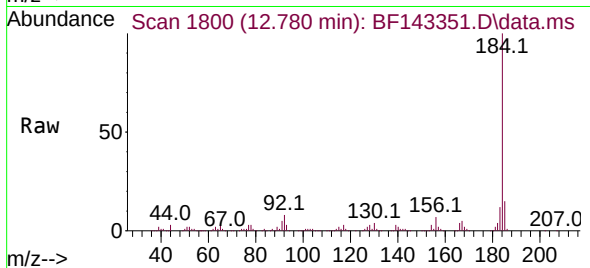
Tgt Ion:	240	Resp:	280276
Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.6
236	25.0	19.9	29.9



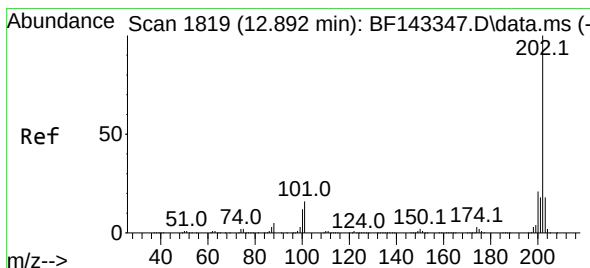
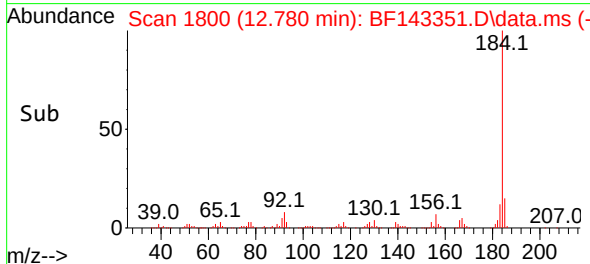
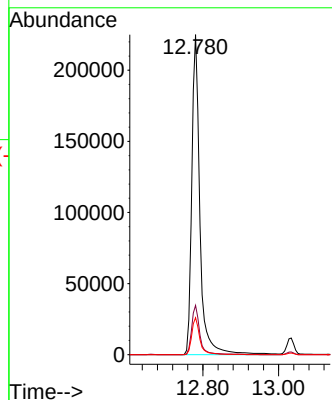


#77
Benzidine
Concen: 43.872 ng
RT: 12.780 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

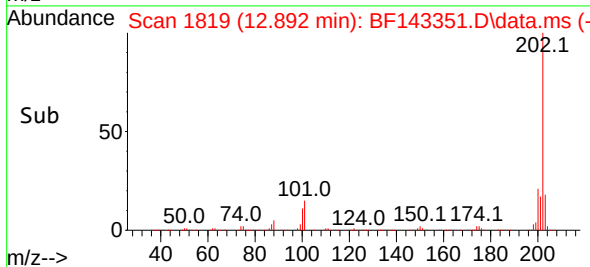
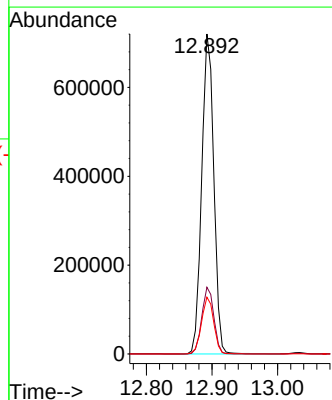
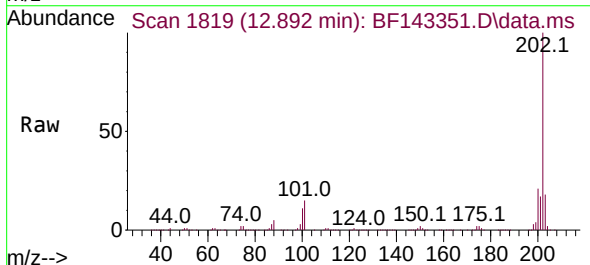


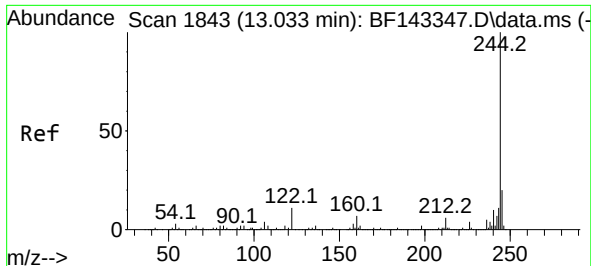
Tgt Ion:184 Resp: 336170
Ion Ratio Lower Upper
184 100
185 15.4 12.8 19.2
183 11.5 9.3 13.9



#78
Pyrene
Concen: 39.329 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

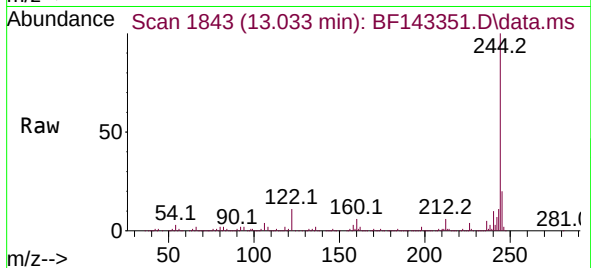
Tgt Ion:202 Resp: 924712
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 17.7 14.2 21.4



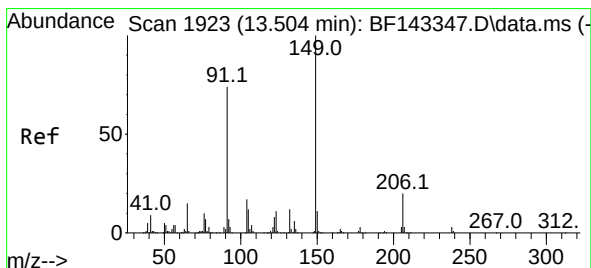
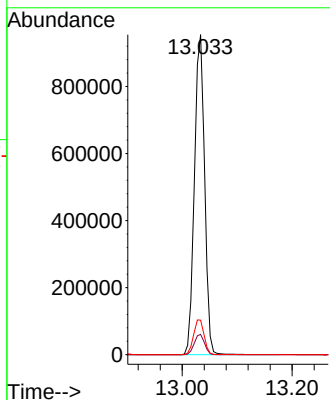
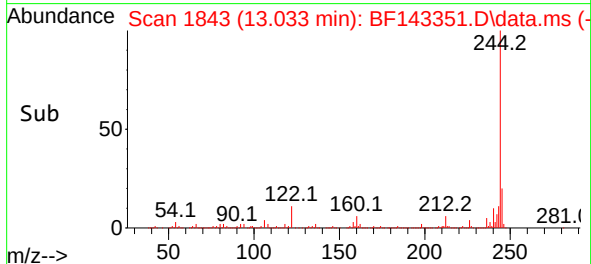


#79
 Terphenyl-d14
 Concen: 78.222 ng
 RT: 13.033 min Scan# 1843
 Delta R.T. 0.000 min
 Lab File: BF143351.D
 Acq: 12 Aug 2025 13:52

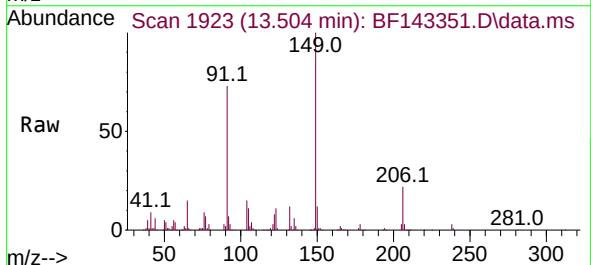
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF081225



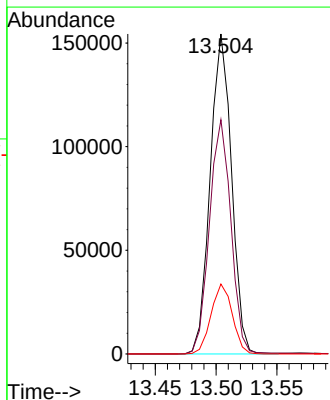
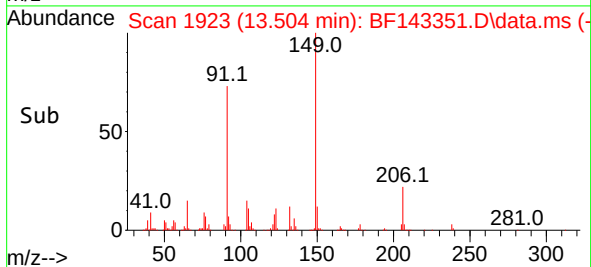
Tgt Ion:244 Resp: 1227991
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 10.8 8.9 13.3

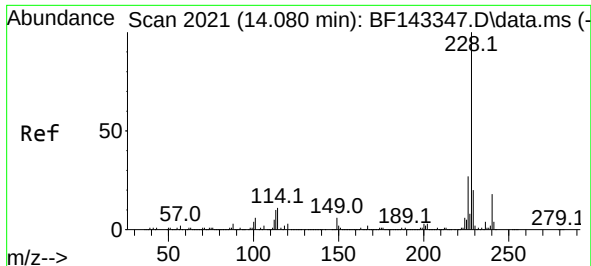


#80
 Butylbenzylphthalate
 Concen: 41.012 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BF143351.D
 Acq: 12 Aug 2025 13:52



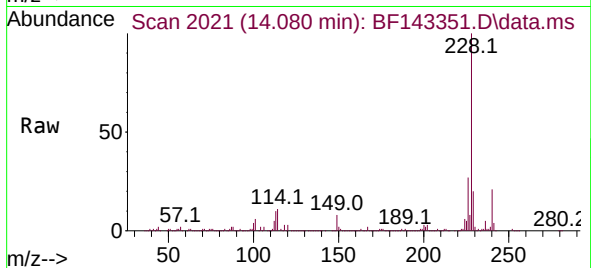
Tgt Ion:149 Resp: 188120
 Ion Ratio Lower Upper
 149 100
 91 73.2 58.8 88.2
 206 21.8 16.4 24.6



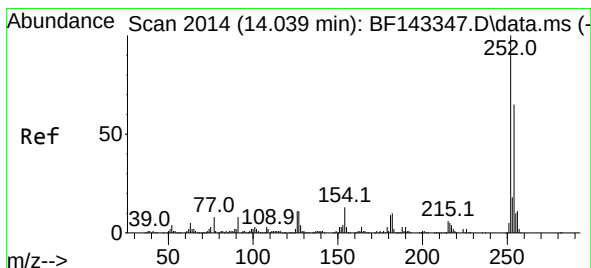
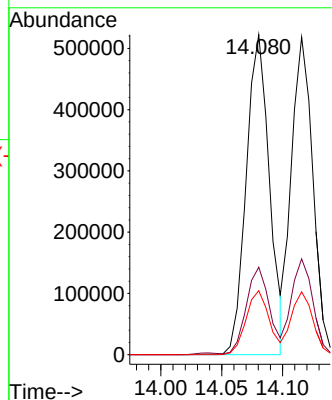
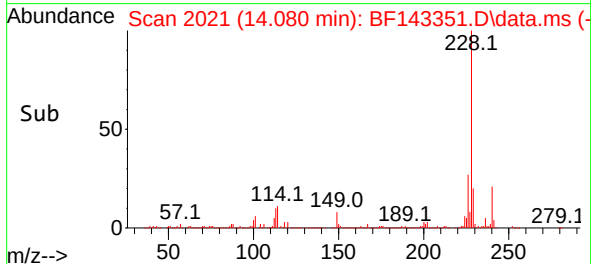


#81
Benzo(a)anthracene
Concen: 38.956 ng
RT: 14.080 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

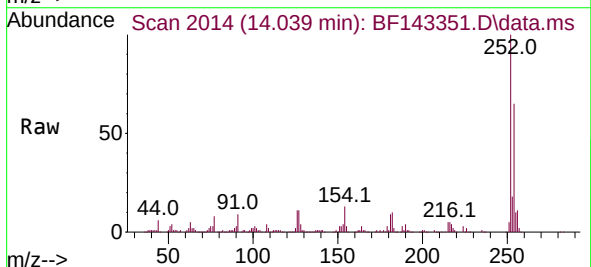
Instrument :
BNA_F
ClientSampleId :
ICVBF081225



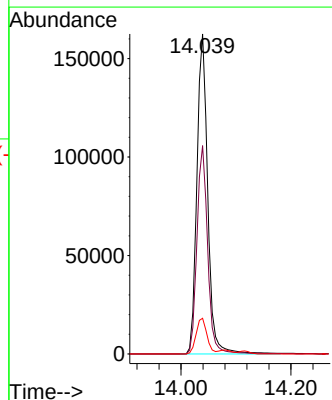
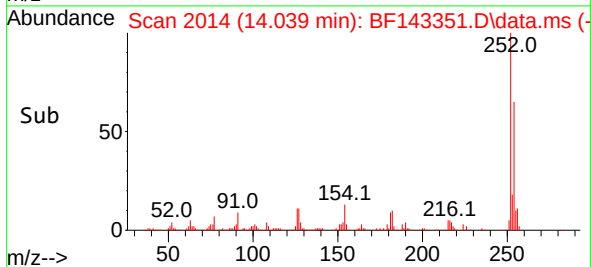
Tgt Ion:228 Resp: 693960
Ion Ratio Lower Upper
228 100
226 27.3 22.0 33.0
229 20.0 15.8 23.8

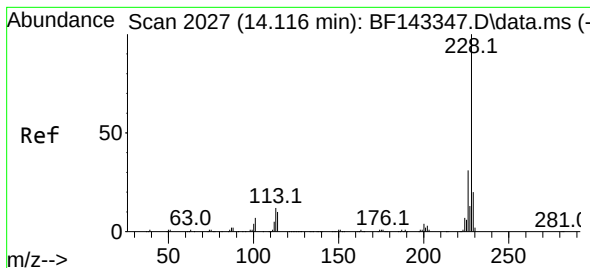


#82
3,3'-Dichlorobenzidine
Concen: 46.252 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52



Tgt Ion:252 Resp: 222482
Ion Ratio Lower Upper
252 100
254 65.1 51.7 77.5
126 11.2 9.2 13.8





#83

Chrysene

Concen: 38.503 ng

RT: 14.116 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

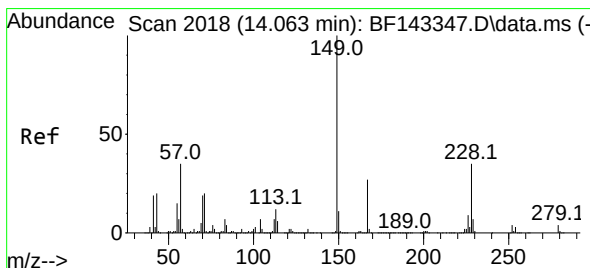
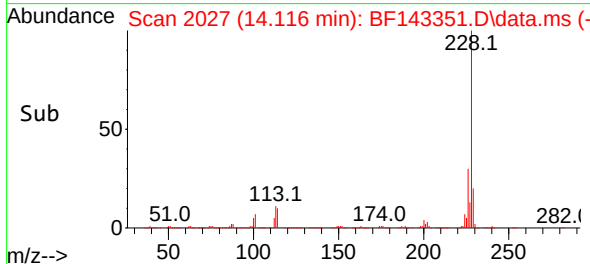
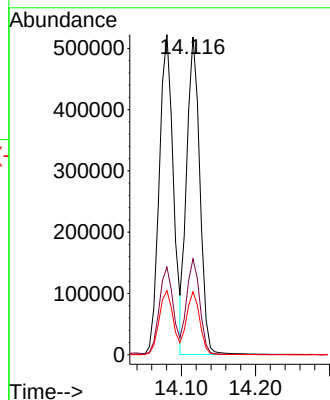
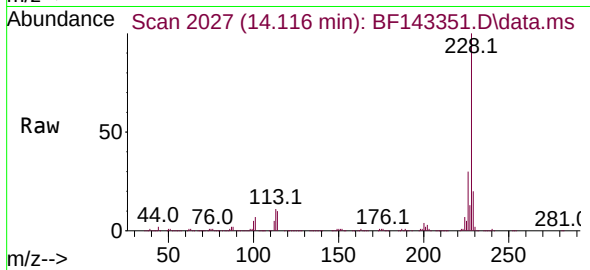
Tgt Ion:228 Resp: 639568

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.315 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

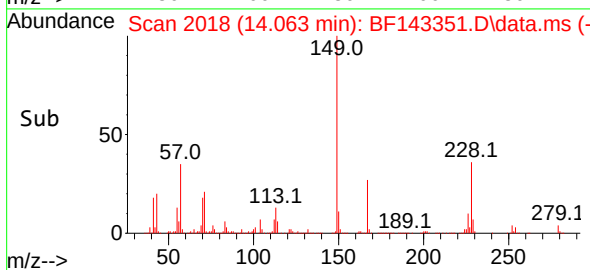
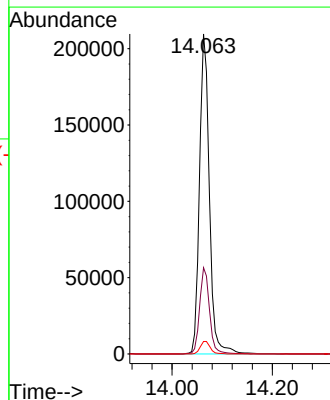
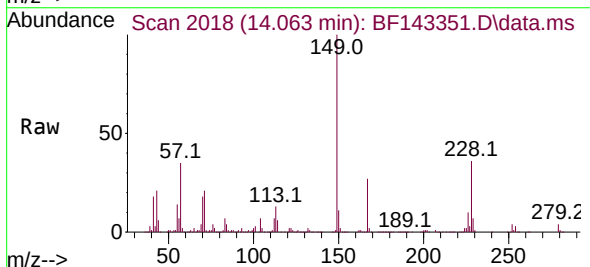
Tgt Ion:149 Resp: 285665

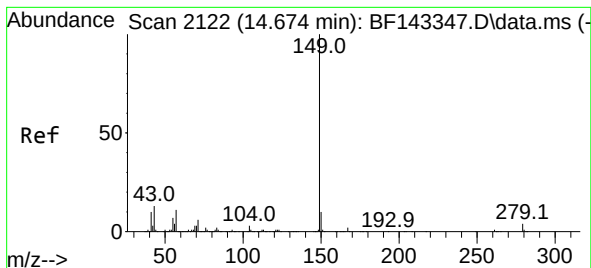
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 3.9 3.2 4.8

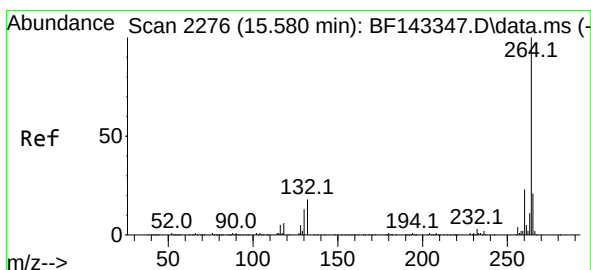
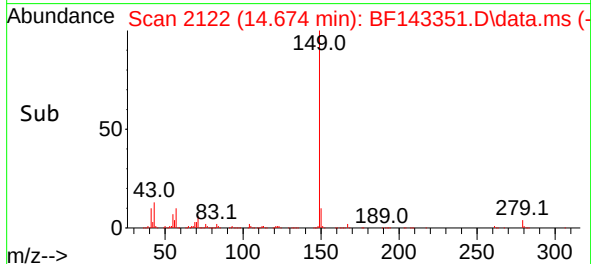
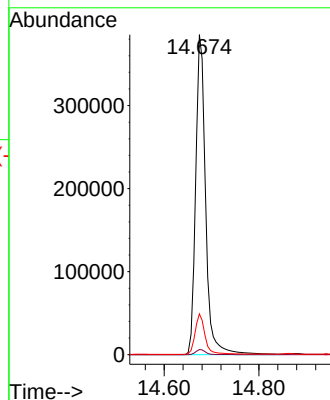
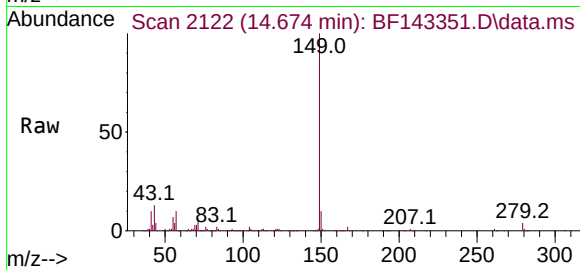




#85
Di-n-octyl phthalate
Concen: 42.219 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

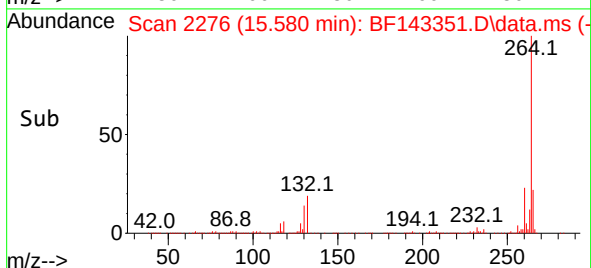
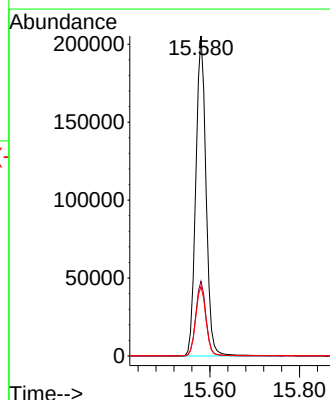
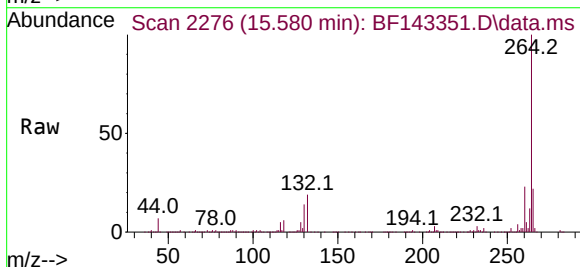
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

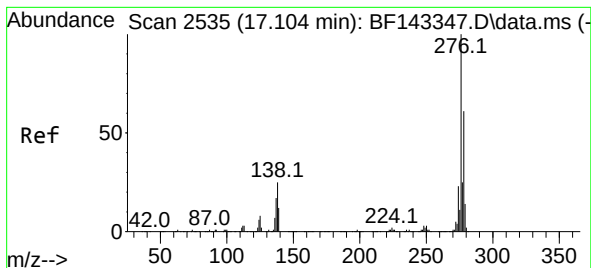
Tgt Ion:149 Resp: 563193
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.6 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:264 Resp: 324835
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.136 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

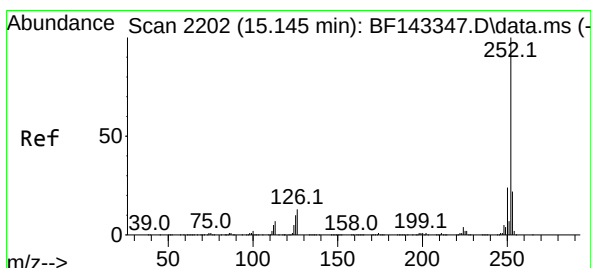
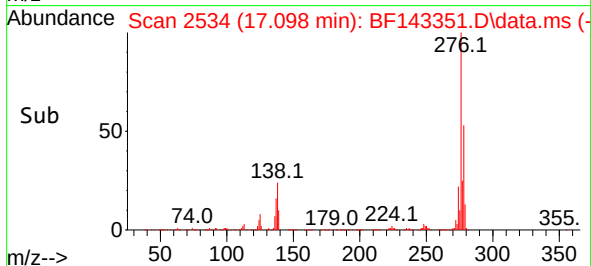
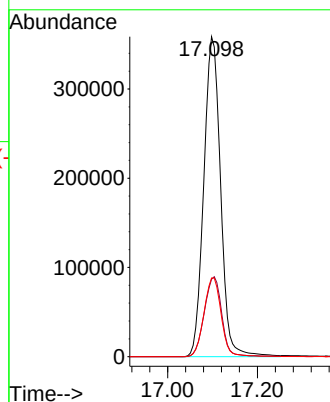
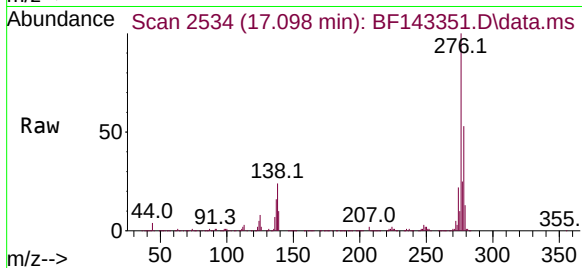
Tgt Ion:276 Resp: 934056

Ion Ratio Lower Upper

276 100

138 26.0 21.1 31.7

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 40.856 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

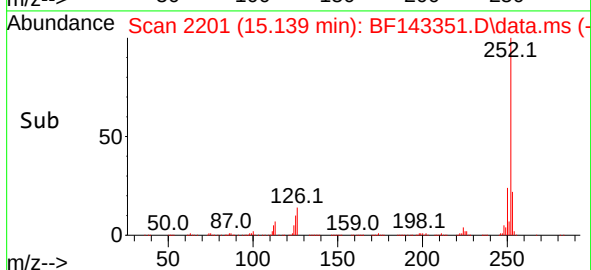
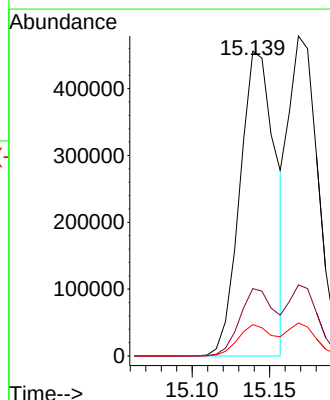
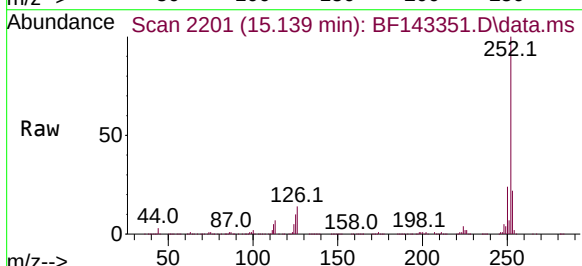
Tgt Ion:252 Resp: 725882

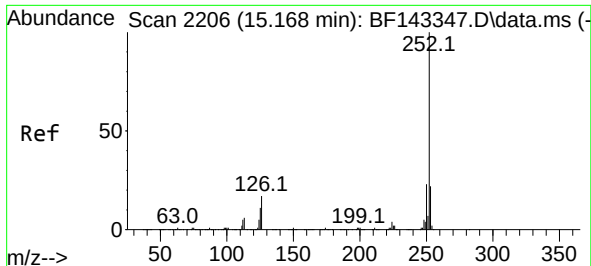
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 10.3 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 37.064 ng

RT: 15.169 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

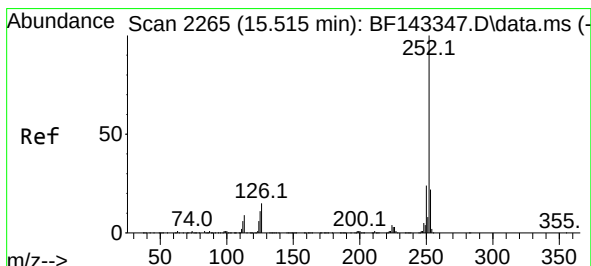
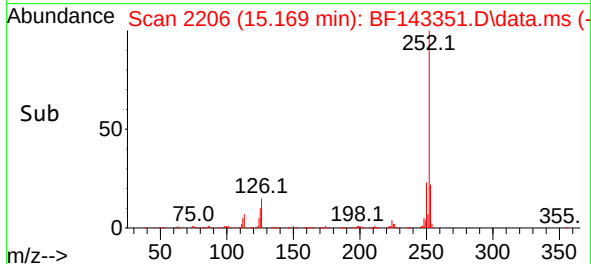
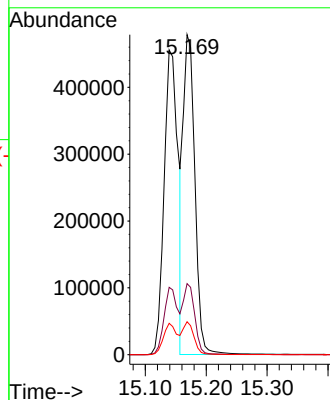
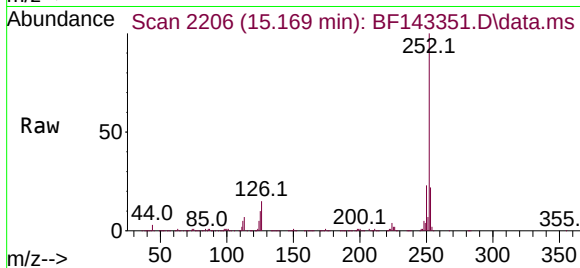
Tgt Ion:252 Resp: 639883

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 41.027 ng

RT: 15.516 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

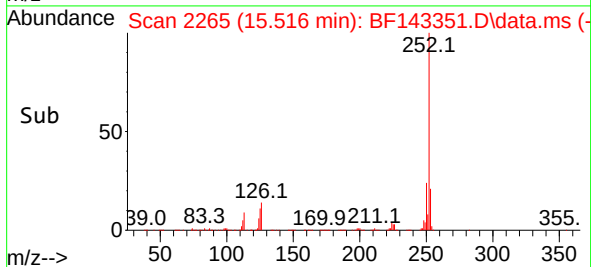
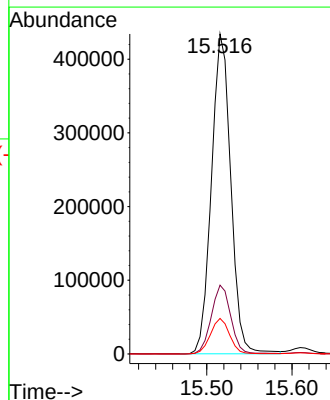
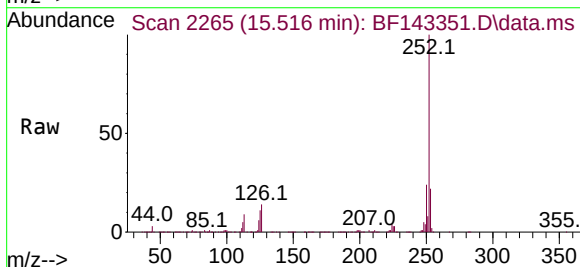
Tgt Ion:252 Resp: 686526

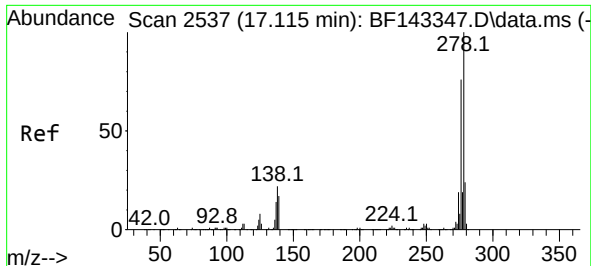
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 11.1 9.1 13.7

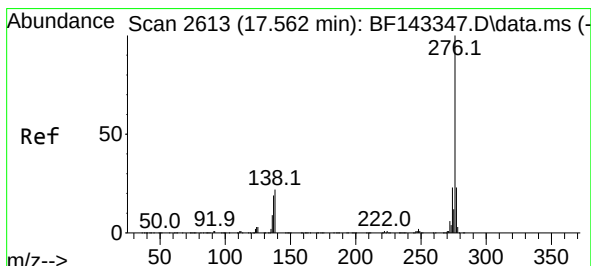
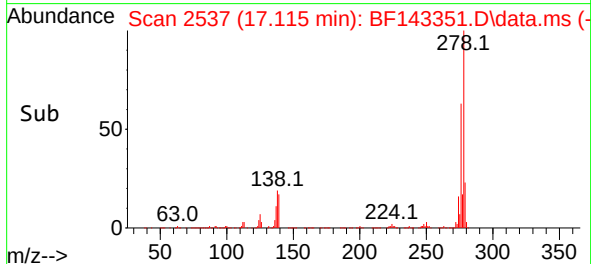
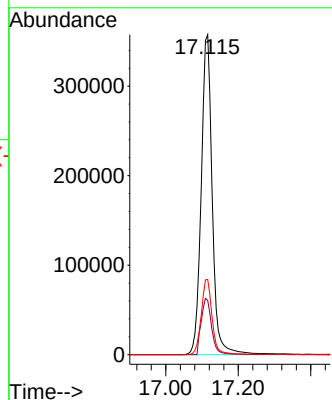
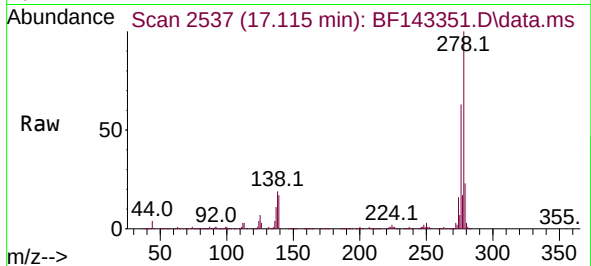




#91
Dibenzo(a,h)anthracene
Concen: 40.736 ng
RT: 17.115 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

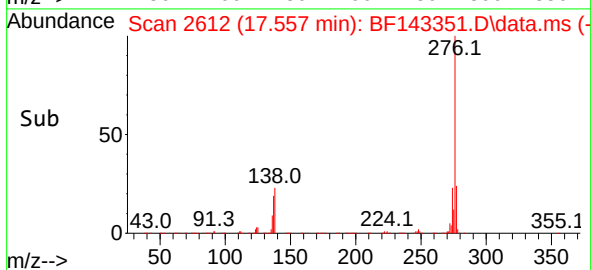
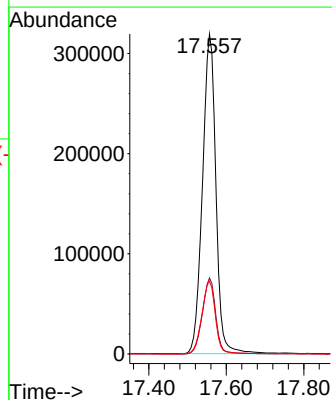
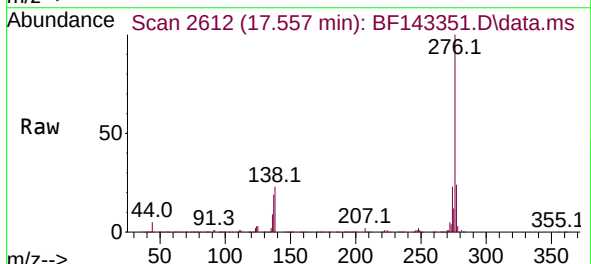
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:278 Resp: 757376
Ion Ratio Lower Upper
278 100
139 17.0 14.0 21.0
279 23.5 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 41.001 ng
RT: 17.557 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:276 Resp: 767923
Ion Ratio Lower Upper
276 100
277 23.7 18.7 28.1
138 22.8 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143351.D
 Acq On : 12 Aug 2025 13:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF081225

Quant Time: Aug 12 14:13:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
2	1,4-Dioxane	0.598	0.557	6.9	91	0.00
3	Pyridine	1.595	1.545	3.1	93	0.00
4	n-Nitrosodimethylamine	0.743	0.769	-3.5	99	0.00
5 S	2-Fluorophenol	1.157	1.115	3.6	92	0.00
6	Aniline	2.091	2.122	-1.5	97	0.00
7 S	Phenol-d6	1.483	1.409	5.0	91	0.00
8	2-Chlorophenol	1.236	1.268	-2.6	98	0.00
9	Benzaldehyde	0.980	0.989	-0.9	95	0.00
10 C	Phenol	1.757	1.768	-0.6	97	0.00
11	bis(2-Chloroethyl)ether	1.295	1.263	2.5	94	0.00
12	1,3-Dichlorobenzene	1.425	1.419	0.4	96	0.00
13 C	1,4-Dichlorobenzene	1.431	1.436	-0.3	99	0.00
14	1,2-Dichlorobenzene	1.358	1.371	-1.0	99	0.00
15	Benzyl Alcohol	1.063	1.125	-5.8	101	0.00
16	2,2'-oxybis(1-Chloropropane	2.312	2.300	0.5	97	0.00
17	2-Methylphenol	1.043	1.067	-2.3	98	0.00
18	Hexachloroethane	0.449	0.475	-5.8	100	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.915	0.1	98	0.00
20	3+4-Methylphenols	1.262	1.296	-2.7	98	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
22	Acetophenone	0.441	0.440	0.2	99	0.00
23 S	Nitrobenzene-d5	0.321	0.334	-4.0	96	0.00
24	Nitrobenzene	0.349	0.357	-2.3	96	0.00
25	Isophorone	0.656	0.651	0.8	98	0.00
26 C	2-Nitrophenol	0.118	0.150	-27.1#	115	0.00
27	2,4-Dimethylphenol	0.274	0.304	-10.9	105	0.00
28	bis(2-Chloroethoxy)methane	0.400	0.397	0.8	97	0.00
29 C	2,4-Dichlorophenol	0.267	0.276	-3.4	97	0.00
30	1,2,4-Trichlorobenzene	0.282	0.289	-2.5	101	0.00
31	Naphthalene	0.962	0.923	4.1	95	0.00
32	Benzoic acid	0.110	0.124	-12.7	111	0.00
33	4-Chloroaniline	0.347	0.387	-11.5	109	0.00
34 C	Hexachlorobutadiene	0.175	0.173	1.1	95	0.00
35	Caprolactam	0.075	0.079	-5.3	97	0.00
36 C	4-Chloro-3-methylphenol	0.280	0.285	-1.8	96	0.00
37	2-Methylnaphthalene	0.633	0.558	11.8	87	0.00
38	1-Methylnaphthalene	0.609	0.578	5.1	94	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	0.547	0.537	1.8	98	0.00
41 P	Hexachlorocyclopentadiene	0.158	0.237	-50.0#	140	0.00
42 S	2,4,6-Tribromophenol	0.146	0.155	-6.2	96	0.00
43 C	2,4,6-Trichlorophenol	0.311	0.333	-7.1	98	0.00
44	2,4,5-Trichlorophenol	0.351	0.362	-3.1	95	0.00
45 S	2-Fluorobiphenyl	1.179	1.093	7.3	95	0.00
46	1,1'-Biphenyl	1.414	1.372	3.0	97	0.00
47	2-Chloronaphthalene	1.114	1.061	4.8	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143351.D
 Acq On : 12 Aug 2025 13:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF081225

Quant Time: Aug 12 14:13:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.284	0.336	-18.3	107	0.00
49	Acenaphthylene	1.608	1.709	-6.3	106	0.00
50	Dimethylphthalate	1.169	1.172	-0.3	98	0.00
51	2,6-Dinitrotoluene	0.193	0.248	-28.5#	115	0.00
52 C	Acenaphthene	1.069	1.013	5.2	95	0.00
53	3-Nitroaniline	0.239	0.285	-19.2	108	0.00
54 P	2,4-Dinitrophenol	0.065	0.082	-26.2#	123	0.00
55	Dibenzofuran	1.539	1.487	3.4	97	0.00
56 P	4-Nitrophenol	0.163	0.183	-12.3	104	0.00
57	2,4-Dinitrotoluene	0.256	0.317	-23.8	108	0.00
58	Fluorene	1.175	1.117	4.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	0.236	0.296	-25.4#	115	0.00
60	Diethylphthalate	1.047	1.055	-0.8	96	0.00
61	4-Chlorophenyl-phenylether	0.568	0.541	4.8	95	0.00
62	4-Nitroaniline	0.232	0.257	-10.8	102	0.00
63	Azobenzene	1.196	1.187	0.8	98	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	0.069	0.086	-24.6	119	0.00
66 c	n-Nitrosodiphenylamine	0.659	0.650	1.4	97	0.00
67	4-Bromophenyl-phenylether	0.229	0.226	1.3	96	0.00
68	Hexachlorobenzene	0.247	0.237	4.0	95	0.00
69	Atrazine	0.172	0.176	-2.3	97	0.00
70 C	Pentachlorophenol	0.101	0.107	-5.9	97	0.00
71	Phenanthrene	1.091	1.046	4.1	95	0.00
72	Anthracene	1.107	1.074	3.0	97	0.00
73	Carbazole	0.942	0.916	2.8	96	0.00
74	Di-n-butylphthalate	0.798	0.859	-7.6	97	0.00
75 C	Fluoranthene	0.956	0.897	6.2	96	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77	Benzydine	0.547	0.600	-9.7	98	0.00
78	Pyrene	1.678	1.650	1.7	96	0.00
79 S	Terphenyl-d14	1.120	1.095	2.2	97	0.00
80	Butylbenzylphthalate	0.284	0.336	-18.3	107	0.00
81	Benzo(a)anthracene	1.271	1.238	2.6	95	0.00
82	3,3'-Dichlorobenzidine	0.343	0.397	-15.7	105	0.00
83	Chrysene	1.185	1.141	3.7	94	0.00
84	Bis(2-ethylhexyl)phthalate	0.403	0.510	-26.6#	112	0.00
85 c	Di-n-octyl phthalate	0.860	1.005	-16.9	109	0.00
86 I	Perylene-d12	1.000	1.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	1.433	1.438	-0.3	98	0.00
88	Benzo(b)fluoranthene	1.094	1.117	-2.1	99	0.00
89	Benzo(k)fluoranthene	1.063	0.985	7.3	94	0.00
90 C	Benzo(a)pyrene	1.030	1.057	-2.6	101	0.00
91	Dibenzo(a,h)anthracene	1.145	1.166	-1.8	99	0.00
92	Benzo(g,h,i)perylene	1.153	1.182	-2.5	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	97	0.00
2	1,4-Dioxane	40.000	37.259	6.9	91	0.00
3	Pyridine	40.000	38.741	3.1	93	0.00
4	n-Nitrosodimethylamine	40.000	41.403	-3.5	99	0.00
5 S	2-Fluorophenol	80.000	77.155	3.6	92	0.00
6	Aniline	40.000	40.597	-1.5	97	0.00
7 S	Phenol-d6	80.000	75.986	5.0	91	0.00
8	2-Chlorophenol	40.000	41.033	-2.6	98	0.00
9	Benzaldehyde	40.000	40.346	-0.9	95	0.00
10 C	Phenol	40.000	40.258	-0.6	97	0.00
11	bis(2-Chloroethyl)ether	40.000	39.024	2.4	94	0.00
12	1,3-Dichlorobenzene	40.000	39.813	0.5	96	0.00
13 C	1,4-Dichlorobenzene	40.000	40.160	-0.4	99	0.00
14	1,2-Dichlorobenzene	40.000	40.389	-1.0	99	0.00
15	Benzyl Alcohol	40.000	42.327	-5.8	101	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.787	0.5	97	0.00
17	2-Methylphenol	40.000	40.922	-2.3	98	0.00
18	Hexachloroethane	40.000	42.342	-5.9	100	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.940	0.2	98	0.00
20	3+4-Methylphenols	40.000	41.105	-2.8	98	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	97	0.00
22	Acetophenone	40.000	39.985	0.0	99	0.00
23 S	Nitrobenzene-d5	80.000	83.164	-4.0	96	0.00
24	Nitrobenzene	40.000	40.919	-2.3	96	0.00
25	Isophorone	40.000	39.728	0.7	98	0.00
26 C	2-Nitrophenol	40.000	43.318	-8.3	115	0.00
27	2,4-Dimethylphenol	40.000	44.394	-11.0	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.714	0.7	97	0.00
29 C	2,4-Dichlorophenol	40.000	41.289	-3.2	97	0.00
30	1,2,4-Trichlorobenzene	40.000	41.017	-2.5	101	0.00
31	Naphthalene	40.000	38.372	4.1	95	0.00
32	Benzoic acid	40.000	43.285	-8.2	111	0.00
33	4-Chloroaniline	40.000	44.618	-11.5	109	0.00
34 C	Hexachlorobutadiene	40.000	39.366	1.6	95	0.00
35	Caprolactam	40.000	41.892	-4.7	97	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.717	-1.8	96	0.00
37	2-Methylnaphthalene	40.000	35.270	11.8	87	0.00
38	1-Methylnaphthalene	40.000	37.970	5.1	94	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.218	2.0	98	0.00
41 P	Hexachlorocyclopentadiene	40.000	51.644	-29.1#	140	0.00
42 S	2,4,6-Tribromophenol	80.000	84.868	-6.1	96	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.843	-7.1	98	0.00
44	2,4,5-Trichlorophenol	40.000	41.305	-3.3	95	0.00
45 S	2-Fluorobiphenyl	80.000	74.116	7.4	95	0.00
46	1,1'-Biphenyl	40.000	38.812	3.0	97	0.00
47	2-Chloronaphthalene	40.000	38.093	4.8	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143351.D
 Acq On : 12 Aug 2025 13:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF081225

Quant Time: Aug 12 14:13:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.167	-5.4	107	0.00
49	Acenaphthylene	40.000	42.507	-6.3	106	0.00
50	Dimethylphthalate	40.000	40.126	-0.3	98	0.00
51	2,6-Dinitrotoluene	40.000	45.012	-12.5	115	0.00
52 C	Acenaphthene	40.000	37.893	5.3	95	0.00
53	3-Nitroaniline	40.000	47.593	-19.0	108	0.00
54 P	2,4-Dinitrophenol	40.000	45.910	-14.8	123	0.00
55	Dibenzofuran	40.000	38.652	3.4	97	0.00
56 P	4-Nitrophenol	40.000	41.060	-2.7	104	0.00
57	2,4-Dinitrotoluene	40.000	43.458	-8.6	108	0.00
58	Fluorene	40.000	38.022	4.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	50.091	-25.2#	115	0.00
60	Diethylphthalate	40.000	40.317	-0.8	96	0.00
61	4-Chlorophenyl-phenylether	40.000	38.123	4.7	95	0.00
62	4-Nitroaniline	40.000	44.317	-10.8	102	0.00
63	Azobenzene	40.000	39.721	0.7	98	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.535	-8.8	119	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.468	1.3	97	0.00
67	4-Bromophenyl-phenylether	40.000	39.466	1.3	96	0.00
68	Hexachlorobenzene	40.000	38.460	3.8	95	0.00
69	Atrazine	40.000	40.936	-2.3	97	0.00
70 C	Pentachlorophenol	40.000	38.771	3.1	97	0.00
71	Phenanthrene	40.000	38.330	4.2	95	0.00
72	Anthracene	40.000	38.834	2.9	97	0.00
73	Carbazole	40.000	38.877	2.8	96	0.00
74	Di-n-butylphthalate	40.000	43.060	-7.7	97	0.00
75 C	Fluoranthene	40.000	37.543	6.1	96	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77	Benzydine	40.000	43.872	-9.7	98	0.00
78	Pyrene	40.000	39.329	1.7	96	0.00
79 S	Terphenyl-d14	80.000	78.222	2.2	97	0.00
80	Butylbenzylphthalate	40.000	41.012	-2.5	107	0.00
81	Benzo(a)anthracene	40.000	38.956	2.6	95	0.00
82	3,3'-Dichlorobenzidine	40.000	46.252	-15.6	105	0.00
83	Chrysene	40.000	38.503	3.7	94	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.315	-5.8	112	0.00
85 c	Di-n-octyl phthalate	40.000	42.219	-5.5	109	0.00
86 I	Perylene-d12	20.000	20.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.136	-0.3	98	0.00
88	Benzo(b)fluoranthene	40.000	40.856	-2.1	99	0.00
89	Benzo(k)fluoranthene	40.000	37.064	7.3	94	0.00
90 C	Benzo(a)pyrene	40.000	41.027	-2.6	101	0.00
91	Dibenzo(a,h)anthracene	40.000	40.736	-1.8	99	0.00
92	Benzo(g,h,i)perylene	40.000	41.001	-2.5	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BF143477.D 5 =BF143478.D 10 =BF143479.D 20 =BF143480.D 40 =BF143481.D 50 =BF143482.D 60 =BF143483.D 80 =BF143484.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.528	0.529	0.539	0.536	0.519	0.542	0.522	0.531	1.62
3) Pyridine		1.339	1.392	1.435	1.438	1.389	1.477	1.421	1.413	3.13
4) n-Nitrosodimet...			0.604	0.619	0.641	0.633	0.666	0.648	0.635	3.44
5) S 2-Fluorophenol		1.203	1.198	1.194	1.138	1.087	1.137	1.061	1.145	4.92
6) Aniline		2.034	1.969	1.959	1.890	1.800	1.864	1.714	1.890	5.78
7) S Phenol-d6		1.536	1.460	1.471	1.407	1.342	1.384	1.299	1.414	5.76
8) 2-Chlorophenol		1.301	1.284	1.302	1.268	1.229	1.270	1.202	1.265	2.94
9) Benzaldehyde			1.008	0.981	1.200	1.133	1.402		1.145	14.80
10) C Phenol		1.741	1.695	1.725	1.646	1.554	1.593	1.449	1.629	6.43
11) bis(2-Chloroet...		1.296	1.230	1.235	1.213	1.170	1.221	1.156	1.217	3.78
12) 1,3-Dichlorobe...		1.558	1.451	1.466	1.414	1.345	1.399	1.317	1.421	5.65
13) C 1,4-Dichlorobe...		1.531	1.487	1.483	1.411	1.355	1.409	1.304	1.426	5.62
14) 1,2-Dichlorobe...		1.448	1.413	1.386	1.348	1.289	1.333	1.233	1.350	5.45
15) Benzyl Alcohol			1.037	1.063	1.083	1.040	1.088	1.041	1.059	2.14
16) 2,2'-oxybis(1-...		2.144	2.104	2.053	1.954	1.805	1.868	1.703	1.947	8.40
17) 2-Methylphenol		1.052	1.042	1.056	1.011	0.975	1.011	0.960	1.015	3.67
18) Hexachloroethane		0.495	0.498	0.502	0.491	0.462	0.489	0.456	0.485	3.79
19) P n-Nitroso-di-n...	0.922	0.943	0.912	0.879	0.844	0.800	0.832	0.781	0.864	6.86
20) 3+4-Methylphenols			1.337	1.320	1.218	1.143	1.178	1.076	1.212	8.40
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.489	0.464	0.459	0.418	0.402	0.410	0.382	0.432	8.99
23) S Nitrobenzene-d5		0.354	0.345	0.357	0.344	0.335	0.340	0.325	0.343	3.18
24) Nitrobenzene		0.353	0.351	0.366	0.356	0.348	0.358	0.337	0.353	2.55
25) Isophorone		0.666	0.630	0.644	0.621	0.608	0.625	0.603	0.628	3.41
26) C 2-Nitrophenol		0.162	0.165	0.177	0.177	0.175	0.180	0.173	0.173	3.76
27) 2,4-Dimethylph...		0.283	0.272	0.281	0.270	0.262	0.265	0.251	0.269	4.11
28) bis(2-Chloroet...		0.409	0.399	0.401	0.386	0.371	0.379	0.357	0.386	4.74
29) C 2,4-Dichloroph...		0.293	0.299	0.303	0.288	0.281	0.283	0.266	0.288	4.30
30) 1,2,4-Trichlor...		0.318	0.300	0.314	0.292	0.282	0.291	0.274	0.296	5.46
31) Naphthalene		1.069	1.009	1.014	0.943	0.907	0.921	0.859	0.960	7.58
32) Benzoic acid			0.086	0.116	0.145	0.153	0.163	0.160	0.137	21.97
33) 4-Chloroaniline		0.359	0.345	0.362	0.343	0.331	0.330	0.315	0.341	4.87
34) C Hexachlorobuta...		0.207	0.199	0.201	0.192	0.186	0.190	0.177	0.193	5.21
35) Caprolactam			0.063	0.068	0.071	0.071	0.070	0.072	0.069	4.96
36) C 4-Chloro-3-met...		0.303	0.292	0.303	0.287	0.280	0.284	0.269	0.288	4.25
37) 2-Methylnaphth...		0.716	0.684	0.684	0.633	0.600	0.610	0.562	0.641	8.62
38) 1-Methylnaphth...		0.692	0.651	0.650	0.603	0.577	0.581	0.540	0.613	8.62

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF082025.M

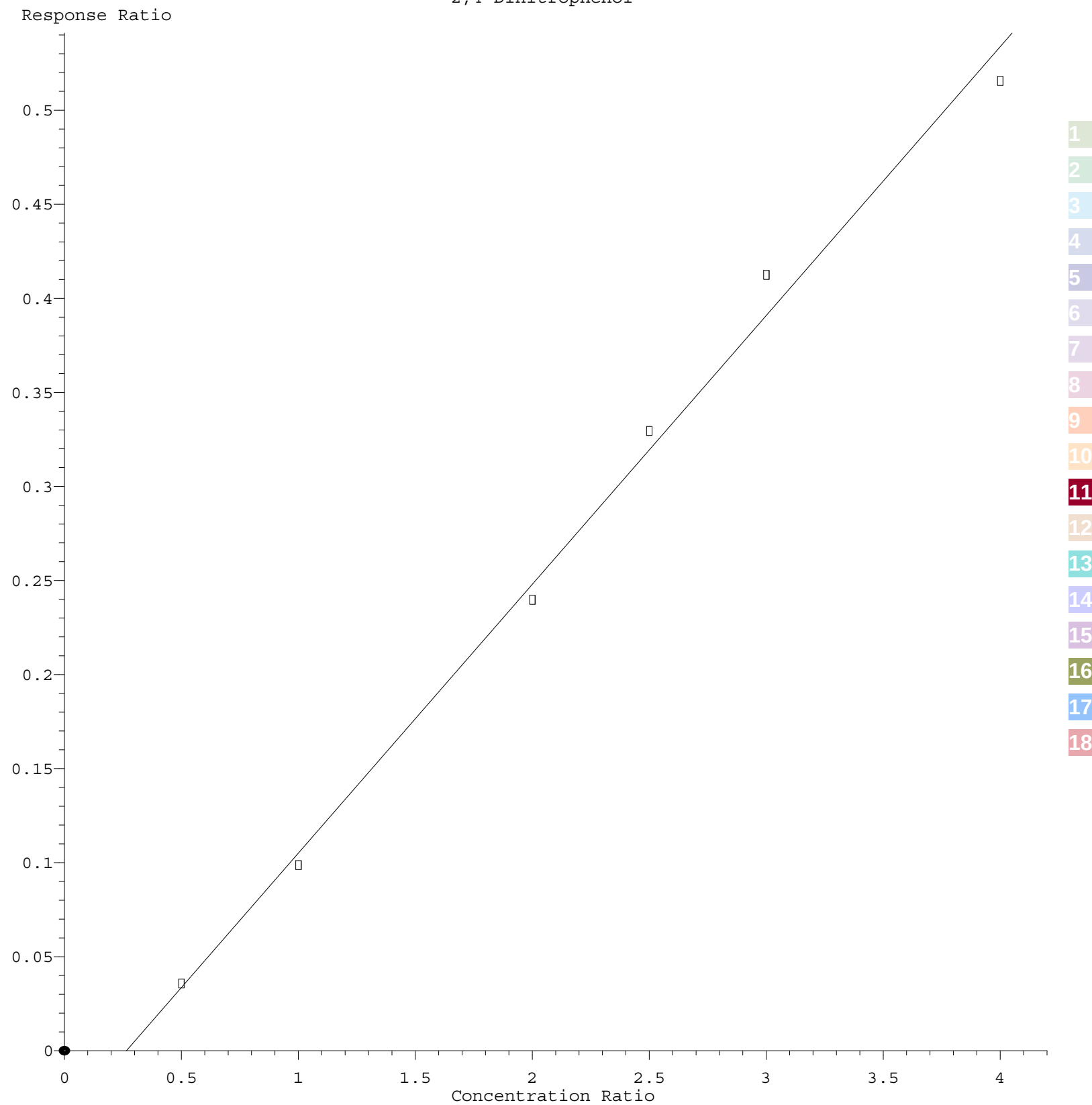
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.629	0.584	0.613	0.565	0.544	0.552	0.517	0.572	6.88	
41) P	Hexachlorocycl...	0.098	0.153	0.198	0.205	0.226	0.222	0.184	26.99		
42) S	2,4,6-Tribromo...	0.191	0.188	0.194	0.188	0.181	0.184	0.177	0.186	3.12	
43) C	2,4,6-Trichlor...	0.338	0.347	0.364	0.364	0.351	0.360	0.339	0.352	3.18	
44)	2,4,5-Trichlor...	0.391	0.376	0.413	0.382	0.377	0.387	0.365	0.385	3.94	
45) S	2-Fluorobiphenyl	1.445	1.336	1.323	1.156	1.106	1.106	0.999	1.210	13.20	
46)	1,1'-Biphenyl	1.582	1.505	1.519	1.399	1.335	1.349	1.247	1.420	8.43	
47)	2-Chloronaphth...	1.222	1.165	1.172	1.105	1.056	1.068	1.008	1.114	6.77	
48)	2-Nitroaniline	0.314	0.313	0.338	0.337	0.329	0.331	0.320	0.326	3.19	
49)	Acenaphthylene	1.747	1.663	1.687	1.580	1.516	1.533	1.437	1.595	6.85	
50)	Dimethylphthalate	1.293	1.219	1.252	1.201	1.159	1.175	1.133	1.205	4.58	
51)	2,6-Dinitrotol...	0.224	0.237	0.259	0.259	0.260	0.257	0.251	0.250	5.63	
52) C	Acenaphthene	1.170	1.131	1.137	1.076	1.037	1.044	0.985	1.083	6.07	
53)	3-Nitroaniline	0.260	0.257	0.280	0.278	0.273	0.271	0.269	0.270	3.21	
54) P	2,4-Dinitrophenol	0.072	0.099	0.120	0.132	0.137	0.129	0.115	21.92		
55)	Dibenzofuran	1.717	1.625	1.647	1.523	1.461	1.453	1.381	1.544	7.91	
56) P	4-Nitrophenol	0.115	0.147	0.171	0.177	0.172	0.181	0.161	15.78		
57)	2,4-Dinitrotol...	0.292	0.318	0.349	0.351	0.344	0.344	0.336	0.333	6.38	
58)	Fluorene	1.367	1.286	1.270	1.158	1.111	1.102	1.025	1.188	10.25	
59)	2,3,4,6-Tetrac...	0.261	0.264	0.299	0.297	0.294	0.297	0.288	0.286	5.59	
60)	Diethylphthalate	1.172	1.097	1.110	1.084	1.053	1.036	1.008	1.080	5.01	
61)	4-Chlorophenyl...	0.671	0.624	0.628	0.585	0.558	0.567	0.527	0.594	8.30	
62)	4-Nitroaniline	0.230	0.237	0.258	0.257	0.255	0.248	0.250	0.248	4.28	
63)	Azobenzene	1.221	1.154	1.177	1.122	1.080	1.067	1.018	1.120	6.26	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.085	0.103	0.119	0.120	0.124	0.126	0.113	13.97		
66) c	n-Nitrosodiphe...	0.684	0.661	0.679	0.641	0.615	0.636	0.590	0.644	5.29	
67)	4-Bromophenyl-...	0.243	0.240	0.250	0.241	0.230	0.240	0.227	0.239	3.35	
68)	Hexachlorobenzene	0.266	0.262	0.267	0.257	0.248	0.256	0.243	0.257	3.53	
69)	Atrazine	0.154	0.156	0.164	0.168	0.171	0.174	0.176	0.166	5.09	
70) C	Pentachlorophenol	0.088	0.106	0.124	0.127	0.131	0.131	0.118	14.47		
71)	Phenanthrene	1.188	1.123	1.130	1.039	1.015	1.033	0.969	1.071	7.23	
72)	Anthracene	1.191	1.144	1.148	1.074	1.022	1.036	0.980	1.085	7.16	
73)	Carbazole	0.949	0.925	0.932	0.882	0.849	0.861	0.825	0.889	5.30	
74)	Di-n-butylphth...	0.782	0.800	0.830	0.850	0.833	0.857	0.855	0.829	3.47	
75) C	Fluoranthene	1.061	1.020	1.002	0.946	0.914	0.923	0.862	0.961	7.21	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.611	0.665	0.516	0.391	0.368	0.372	0.487	26.70		
78)	Pyrene	1.891	1.768	1.793	1.635	1.590	1.512	1.327	1.645	11.63	
79) S	Terphenyl-d14	1.341	1.255	1.248	1.130	1.094	1.052	0.904	1.146	12.86	
80)	Butylbenzylpht...	0.380	0.402	0.443	0.467	0.461	0.509	0.485	0.449	10.15	
81)	Benzo(a)anthra...	1.302	1.274	1.300	1.318	1.266	1.316	1.237	1.288	2.30	
82)	3,3'-Dichlorob...	0.353	0.386	0.373	0.354	0.377	0.370	0.369	3.60		
83)	Chrysene	1.251	1.195	1.213	1.113	1.089	1.125	1.114	1.157	5.33	
84)	Bis(2-ethylhex...	0.600	0.626	0.699	0.710	0.690	0.767	0.700	0.685	8.12	
85) c	Di-n-octyl pht...	1.129	1.289	1.298	1.251	1.413	1.228	1.268	7.36		

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082025.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.425	1.433	1.565	1.449	1.427	1.466	1.295	1.437	5.51
88)	Benzo(b)fluora...	1.135	1.147	1.182	1.074	1.058	1.068	1.119	1.112	4.20
89)	Benzo(k)fluora...	1.157	1.014	1.056	1.081	1.034	1.104	1.005	1.064	5.10
90) C	Benzo(a)pyrene	1.033	1.021	1.074	1.032	1.010	1.043	1.011	1.032	2.15
91)	Dibenzo(a,h)an...	1.139	1.164	1.260	1.162	1.142	1.168	1.023	1.151	6.04
92)	Benzo(g,h,i)pe...	1.128	1.129	1.242	1.156	1.145	1.172	1.039	1.145	5.30

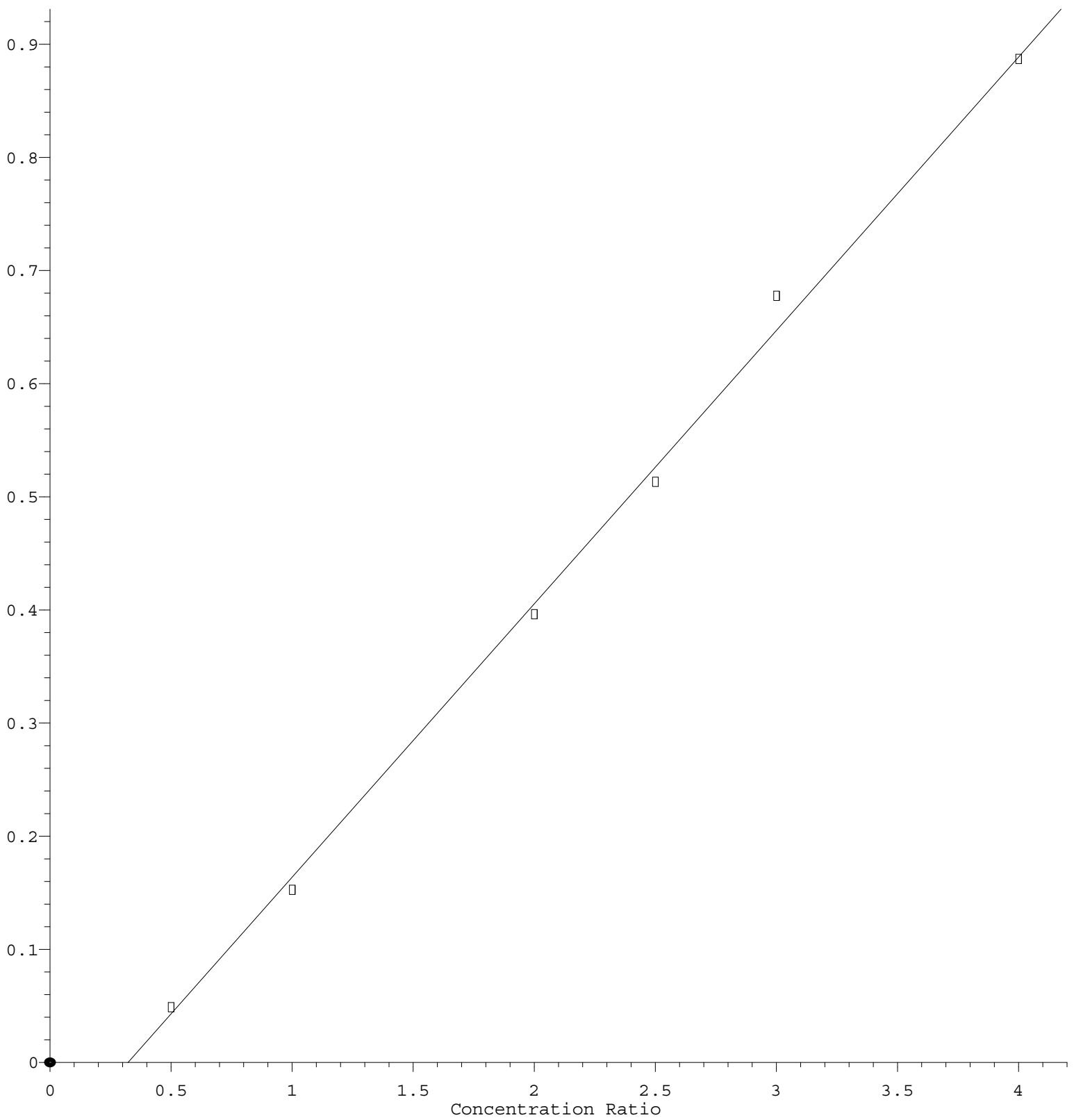
(#) = Out of Range

2,4-Dinitrophenol



Hexachlorocyclopentadiene

Response Ratio



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143477.D
Acq On : 20 Aug 2025 10:55
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 20 16:19:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

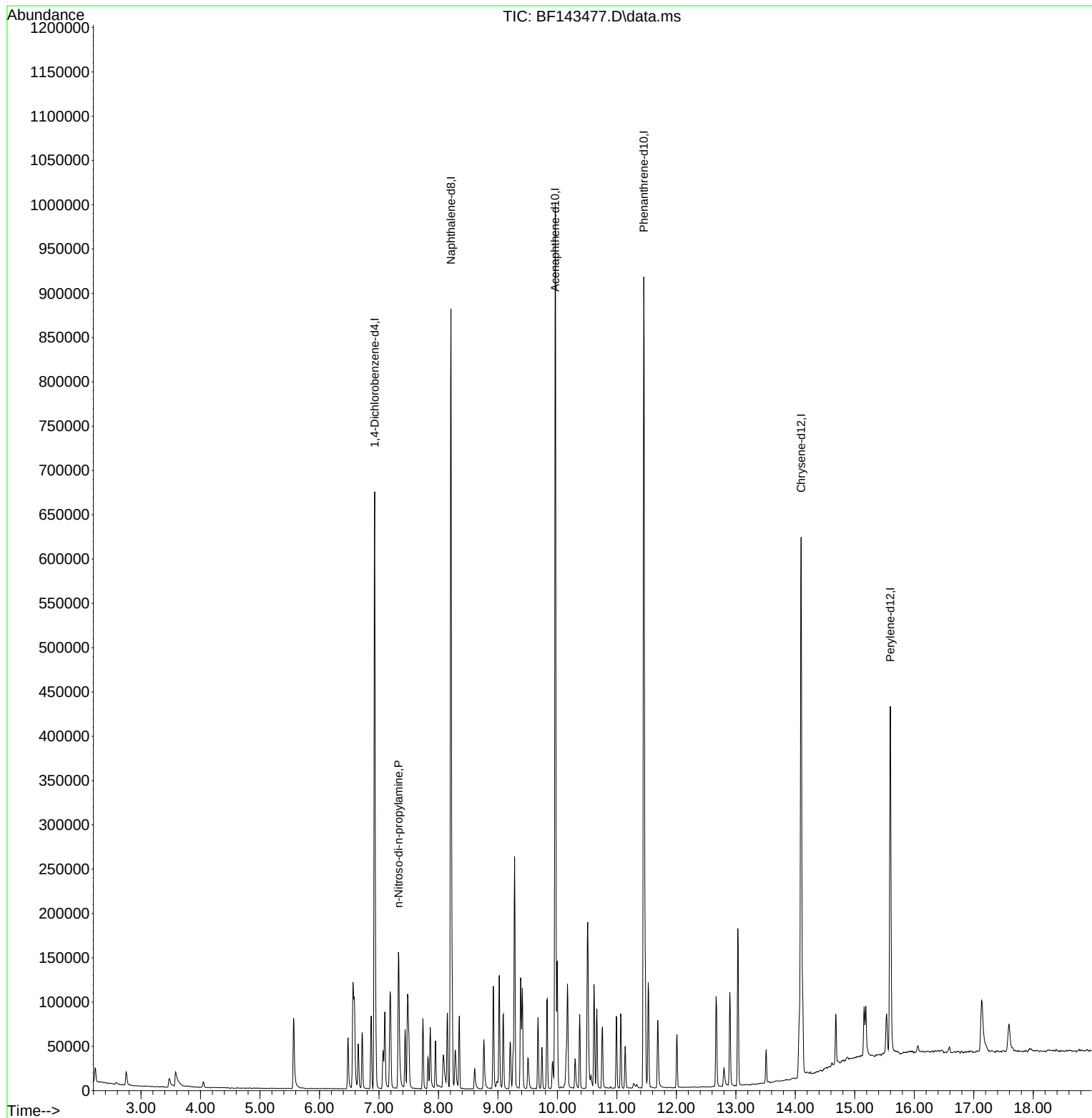
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	139562	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	543954	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	302590	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	471116	20.000	ng	0.00
76) Chrysene-d12	14.098	240	283668	20.000	ng	0.00
86) Perylene-d12	15.598	264	247340	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.328	70	16082	2.667	ng	Qvalue 96

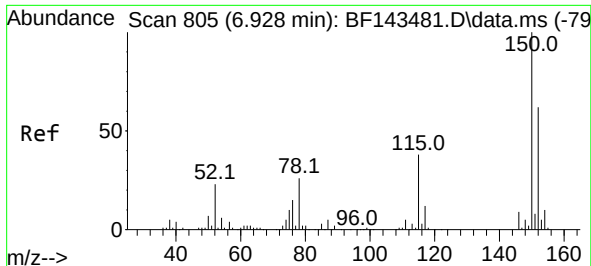
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143477.D
Acq On : 20 Aug 2025 10:55
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

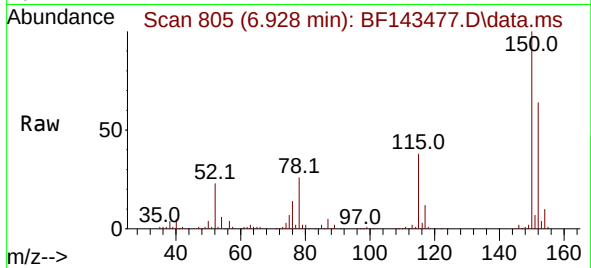
Quant Time: Aug 20 16:19:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



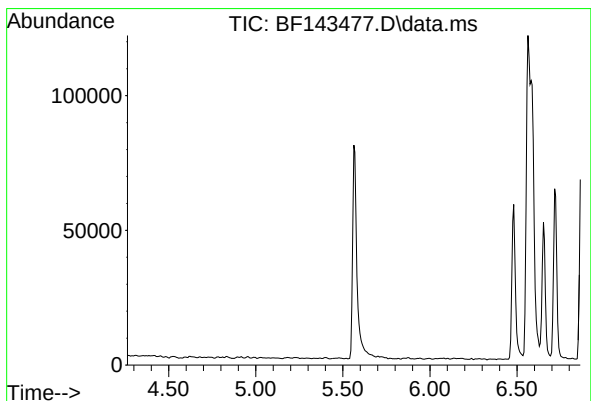
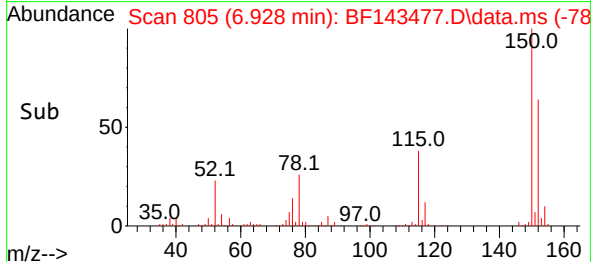
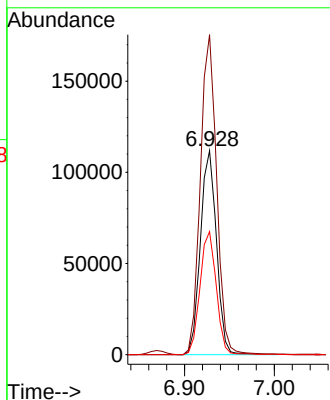


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143477.D
 Acq: 20 Aug 2025 10:55

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5



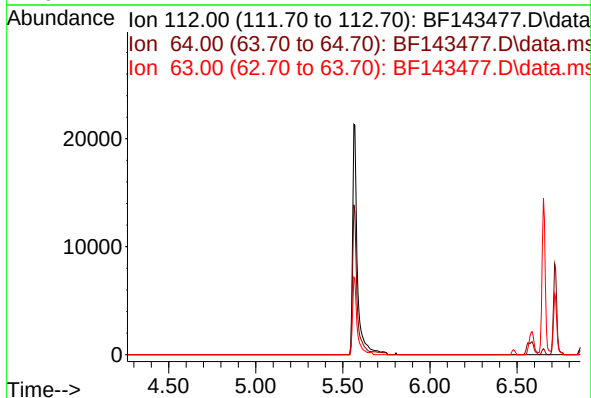
Tgt Ion:152 Resp: 139562
 Ion Ratio Lower Upper
 152 100
 150 156.9 128.9 193.3
 115 60.4 49.2 73.8

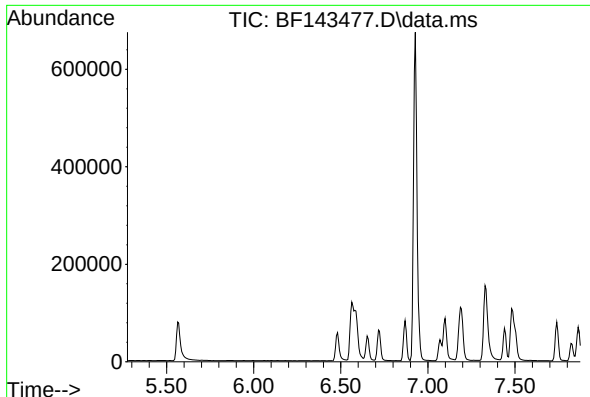


#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.56 min

Lab File: BF143477.D
 Acq: 20 Aug 2025 10:55

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 63.0
 63 33.0



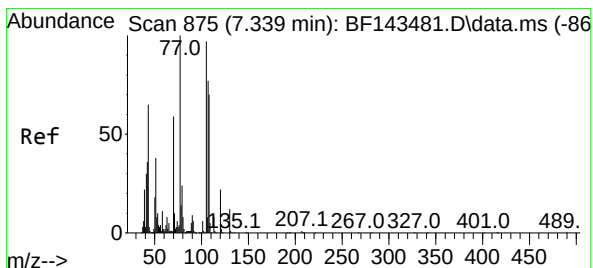
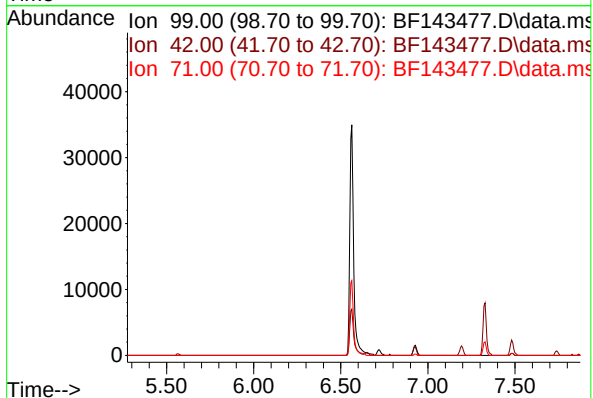


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.57 min
 Lab File: BF143477.D
 Acq: 20 Aug 2025 10:55

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Tgt Ion: 99

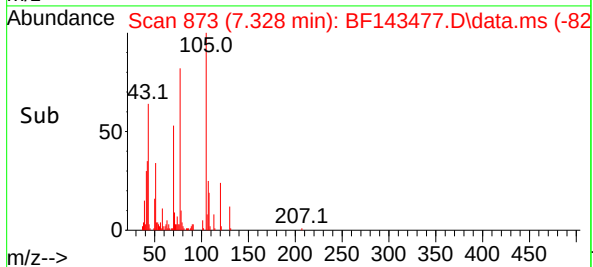
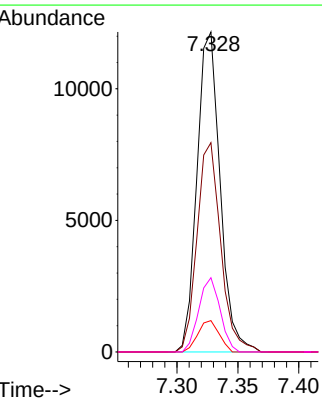
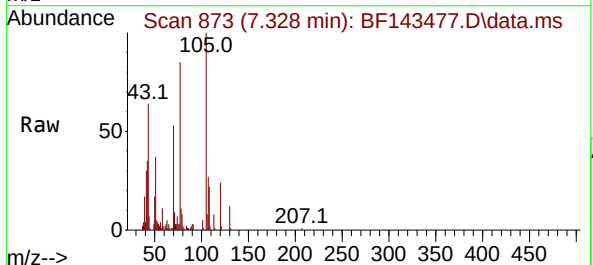
Sig	Exp Ratio
99	100
42	20.4
71	35.2

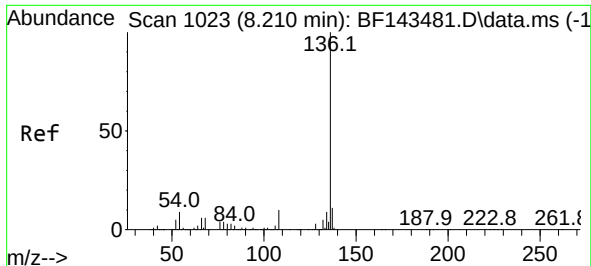


#19
 n-Nitroso-di-n-propylamine
 Concen: 2.667 ng
 RT: 7.328 min Scan# 873
 Delta R.T. -0.023 min
 Lab File: BF143477.D
 Acq: 20 Aug 2025 10:55

Tgt Ion: 70 Resp: 16082

Ion	Ratio	Lower	Upper
70	100		
42	65.4	49.3	73.9
101	9.8	7.8	11.8
130	23.2	16.6	25.0

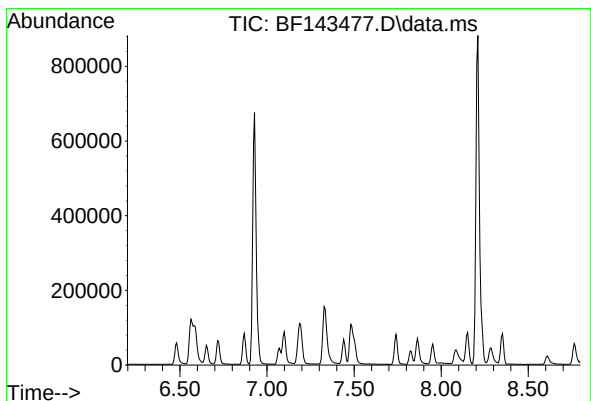
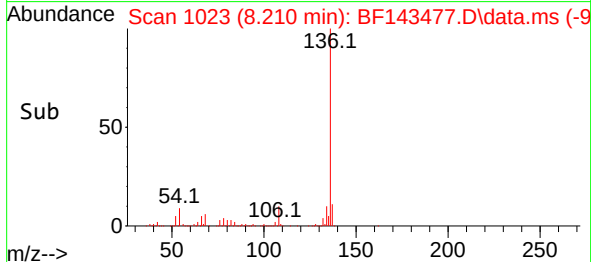
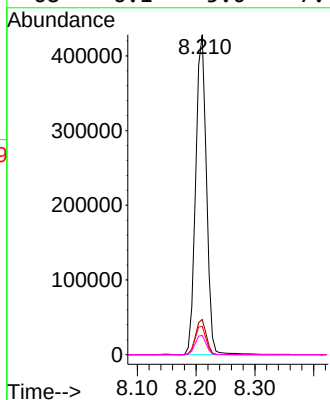
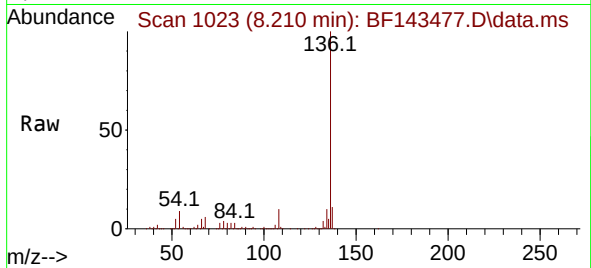




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

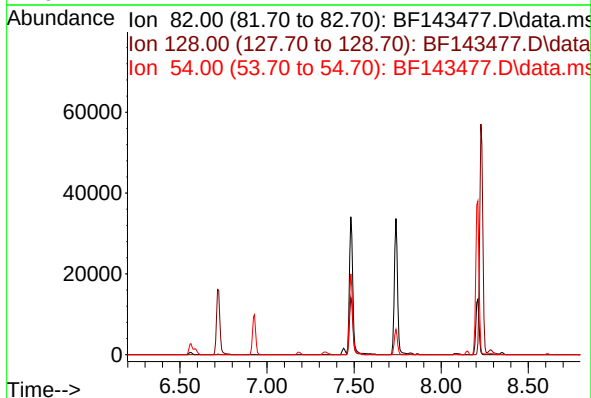
Tgt Ion:136	Resp:	543954
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.4
54	8.9	7.4 11.2
68	6.1	5.0 7.4

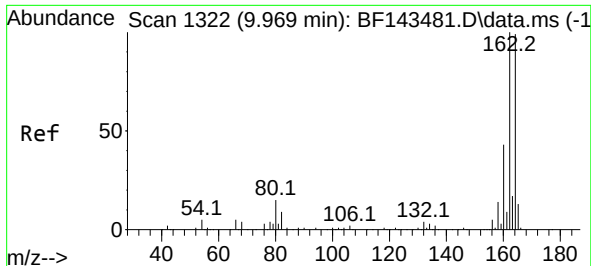


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.50 min

Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Tgt Ion: 82	
Sig	Exp Ratio
82	100
128	44.4
54	55.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143477.D

Acq: 20 Aug 2025 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

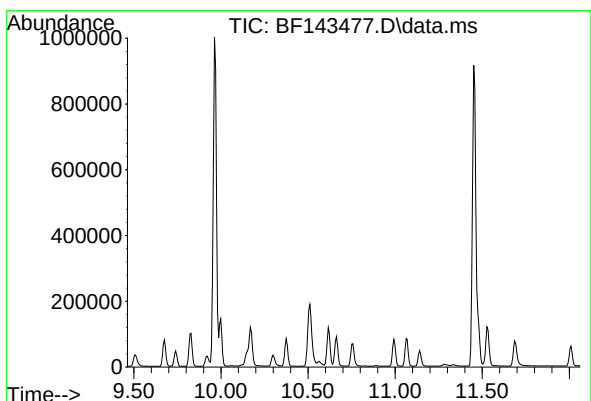
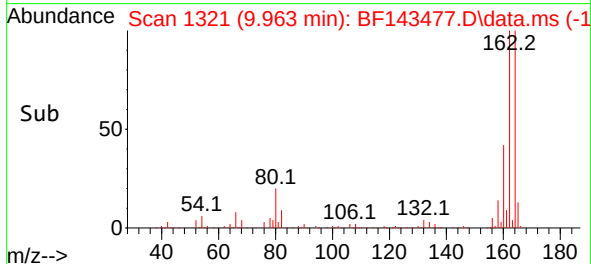
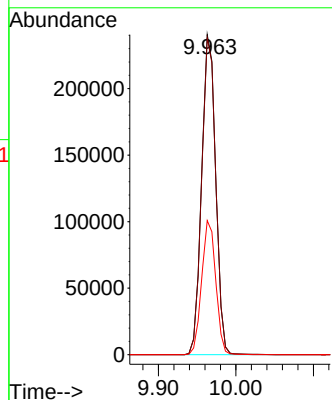
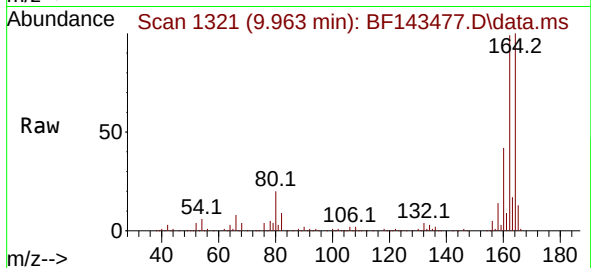
Tgt Ion:164 Resp: 302590

Ion Ratio Lower Upper

164 100

162 99.0 80.5 120.7

160 41.9 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.76 min

Lab File: BF143477.D

Acq: 20 Aug 2025 10:55

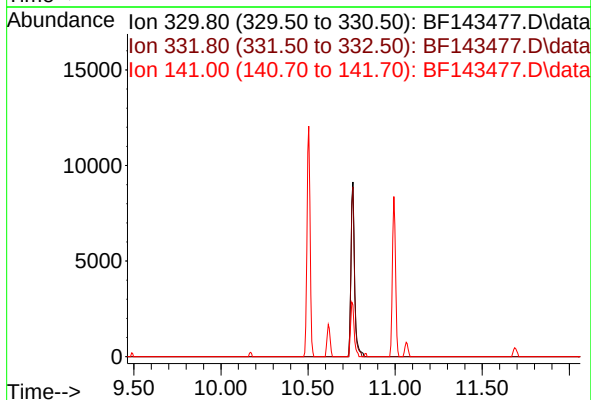
Tgt Ion: 330

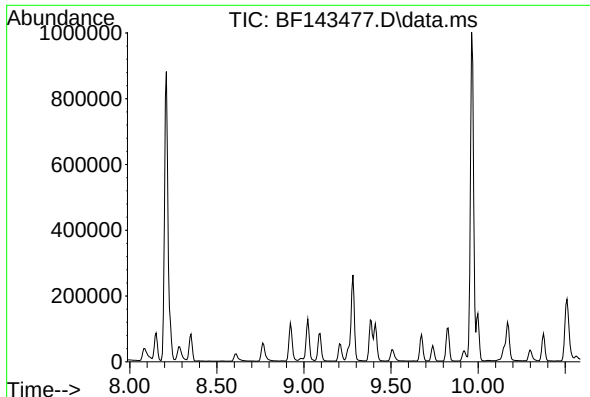
Sig Exp Ratio

330 100

332 97.5

141 29.6



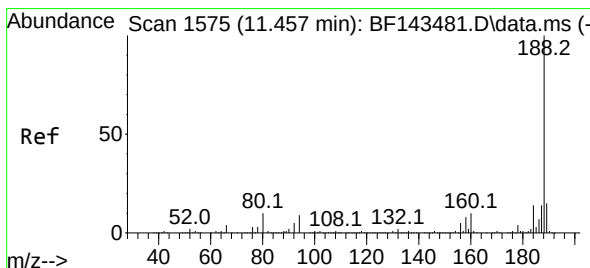
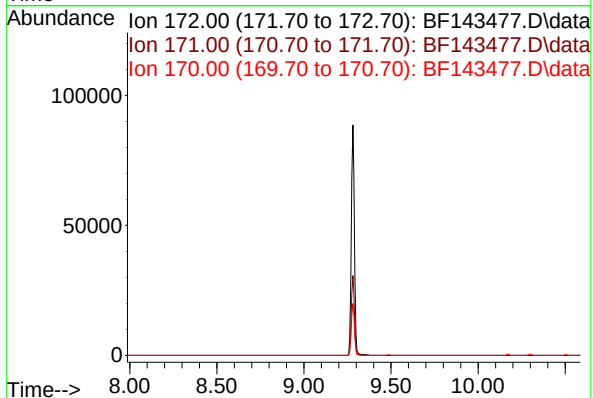


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.29 min
 Lab File: BF143477.D
 Acq: 20 Aug 2025 10:55

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Tgt Ion: 172

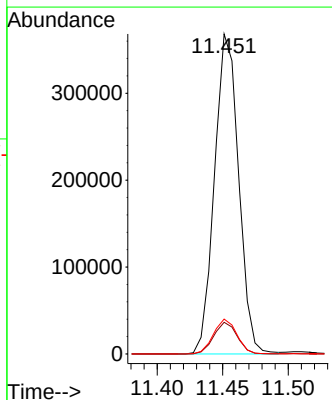
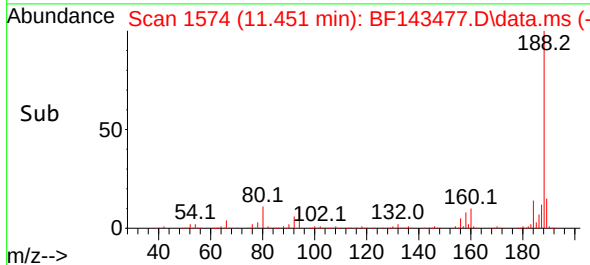
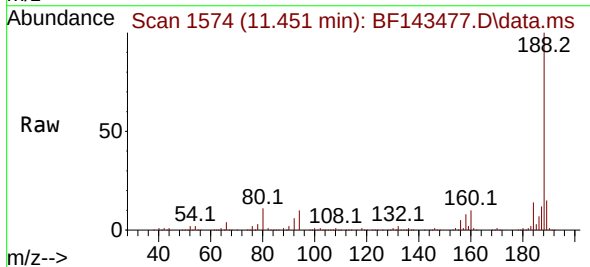
Sig	Exp Ratio
172	100
171	36.0
170	23.5

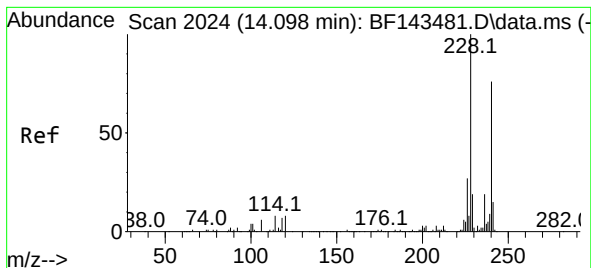


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.451 min Scan# 1574
 Delta R.T. -0.006 min
 Lab File: BF143477.D
 Acq: 20 Aug 2025 10:55

Tgt Ion: 188 Resp: 471116

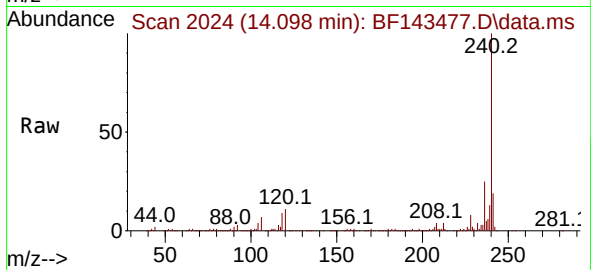
Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	10.9	8.2	12.4



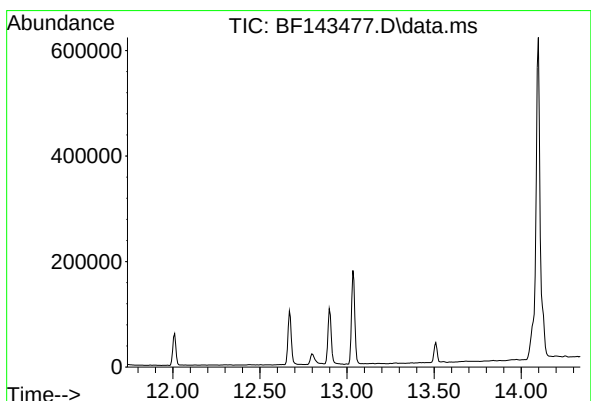
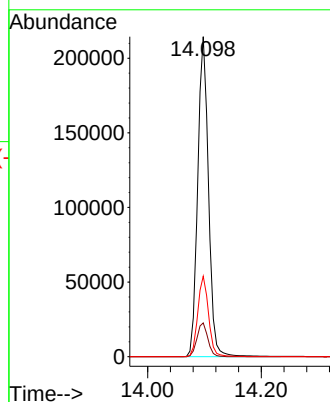
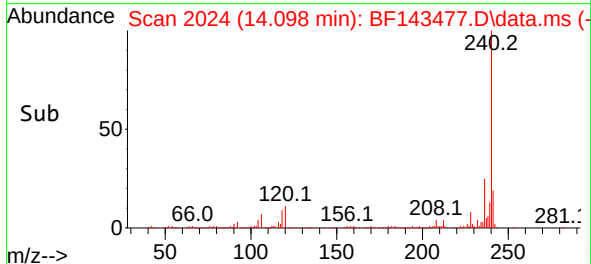


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



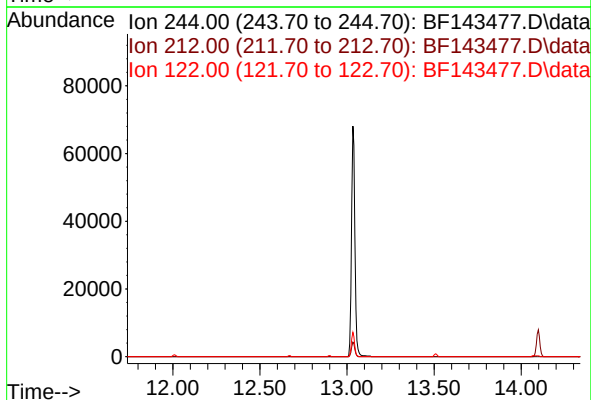
Tgt Ion:240 Resp: 283668
Ion Ratio Lower Upper
240 100
120 10.5 8.6 12.8
236 25.1 20.4 30.6

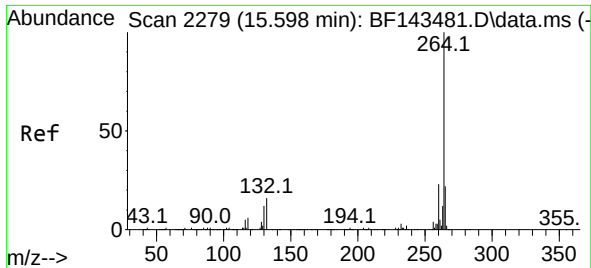


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.04 min

Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

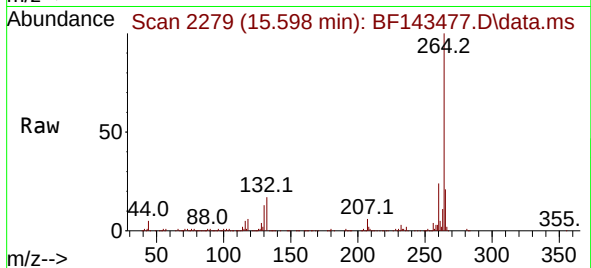
Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.5
122 9.9



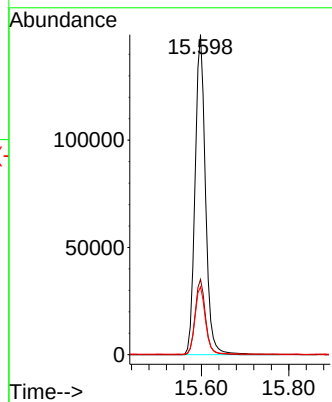
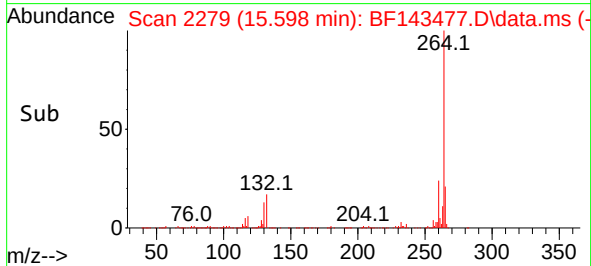


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.598 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143477.D
 Acq: 20 Aug 2025 10:55

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5



Tgt Ion:264 Resp: 247340
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.2 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143478.D
 Acq On : 20 Aug 2025 11:25
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Aug 20 16:19:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	139746	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	528467	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	295421	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	479059	20.000	ng	0.00
76) Chrysene-d12	14.098	240	275807	20.000	ng	0.00
86) Perylene-d12	15.598	264	257255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	84074	10.505	ng	0.00
7) Phenol-d6	6.557	99	107354	10.867	ng	-0.02
23) Nitrobenzene-d5	7.481	82	93525	10.327	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	28197	10.254	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	213485	11.943	ng	0.00
79) Terphenyl-d14	13.033	244	184897	11.698	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	18448	4.976	ng	97
3) Pyridine	3.552	79	46794	4.739	ng	98
6) Aniline	6.587	93	71052	5.381	ng	98
8) 2-Chlorophenol	6.716	128	45449	5.142	ng	99
10) Phenol	6.575	94	60812	5.343	ng	93
11) bis(2-Chloroethyl)ether	6.651	93	45274	5.323	ng	99
12) 1,3-Dichlorobenzene	6.869	146	54424	5.480	ng	98
13) 1,4-Dichlorobenzene	6.945	146	53485	5.368	ng	99
14) 1,2-Dichlorobenzene	7.098	146	50580	5.362	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.192	45	74897	5.504	ng	97
17) 2-Methylphenol	7.181	107	36752	5.180	ng	97
18) Hexachloroethane	7.440	117	17304	5.108	ng	94
19) n-Nitroso-di-n-propyla...	7.328	70	32958	5.458	ng	96
22) Acetophenone	7.328	105	64602	5.658	ng	# 96
24) Nitrobenzene	7.498	77	46642	5.004	ng	99
25) Isophorone	7.739	82	87950	5.298	ng	99
26) 2-Nitrophenol	7.822	139	21447	4.697	ng	98
27) 2,4-Dimethylphenol	7.863	122	37403	5.255	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	54059	5.299	ng	98
29) 2,4-Dichlorophenol	8.075	162	38716	5.093	ng	96
30) 1,2,4-Trichlorobenzene	8.151	180	42060	5.382	ng	99
31) Naphthalene	8.228	128	141189	5.565	ng	99
33) 4-Chloroaniline	8.281	127	47399	5.264	ng	99
34) Hexachlorobutadiene	8.351	225	27313	5.357	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	40059	5.259	ng	100
37) 2-Methylnaphthalene	8.922	142	94640	5.585	ng	99
38) 1-Methylnaphthalene	9.022	142	91483	5.644	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	46429	5.494	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	24994	4.807	ng	99
44) 2,4,5-Trichlorophenol	9.251	196	28903	5.089	ng	97
46) 1,1'-Biphenyl	9.381	154	116864	5.573	ng	98
47) 2-Chloronaphthalene	9.410	162	90223	5.484	ng	100
48) 2-Nitroaniline	9.504	65	23209	4.820	ng	99
49) Acenaphthylene	9.822	152	129052	5.478	ng	98
50) Dimethylphthalate	9.675	163	95475	5.366	ng	98
51) 2,6-Dinitrotoluene	9.739	165	16519	4.480	ng	93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143478.D
 Acq On : 20 Aug 2025 11:25
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

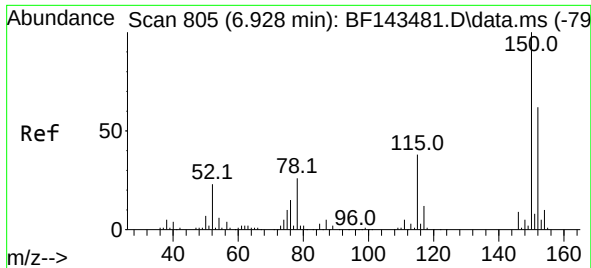
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Aug 20 16:19:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.998	154	86399	5.402	ng	100
53) 3-Nitroaniline	9.916	138	19195	4.817	ng	98
55) Dibenzofuran	10.169	168	126806	5.561	ng	100
57) 2,4-Dinitrotoluene	10.145	165	21578	4.382	ng	90
58) Fluorene	10.510	166	100926	5.751	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	19308	4.576	ng	# 97
60) Diethylphthalate	10.375	149	86539	5.425	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	49563	5.647	ng	97
62) 4-Nitroaniline	10.522	138	16999	4.645	ng	99
63) Azobenzene	10.663	77	90174	5.452	ng	99
66) n-Nitrosodiphenylamine	10.616	169	81920	5.314	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	29139	5.098	ng	95
68) Hexachlorobenzene	11.069	284	31905	5.178	ng	99
69) Atrazine	11.139	200	18453	4.637	ng	97
71) Phenanthrene	11.475	178	142334	5.548	ng	99
72) Anthracene	11.528	178	142673	5.490	ng	99
73) Carbazole	11.686	167	113696	5.339	ng	99
74) Di-n-butylphthalate	12.010	149	93617	4.712	ng	100
75) Fluoranthene	12.669	202	127015	5.518	ng	98
78) Pyrene	12.898	202	130407	5.748	ng	99
80) Butylbenzylphthalate	13.510	149	26173	4.223	ng	99
81) Benzo(a)anthracene	14.086	228	89757	5.055	ng	99
83) Chrysene	14.121	228	86291	5.408	ng	99
84) Bis(2-ethylhexyl)phtha...	14.069	149	41348	4.380	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	91654	4.958	ng	98
88) Benzo(b)fluoranthene	15.157	252	72988	5.104	ng	99
89) Benzo(k)fluoranthene	15.186	252	74440	5.437	ng	99
90) Benzo(a)pyrene	15.533	252	66416	5.004	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	73229	4.946	ng	98
92) Benzo(g,h,i)perylene	17.586	276	72556	4.928	ng	98

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

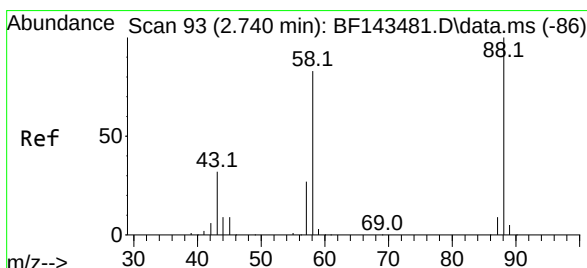
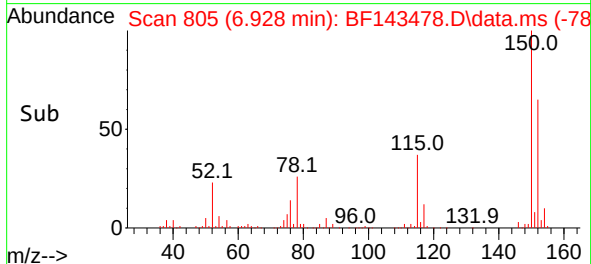
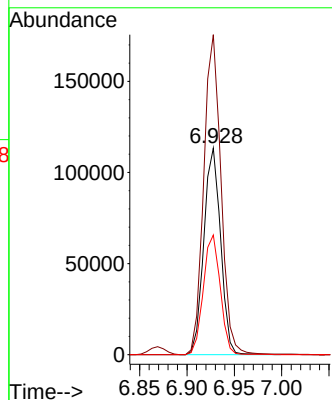
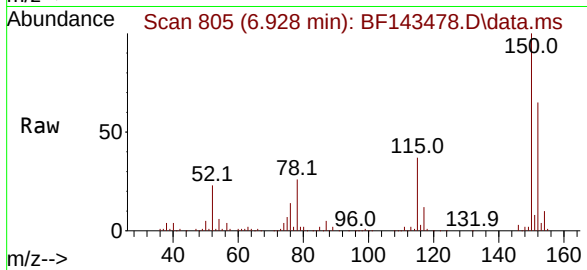
- 1
- 2
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- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

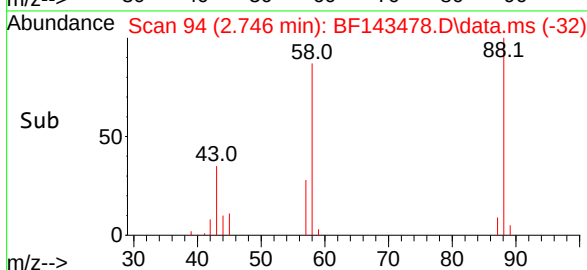
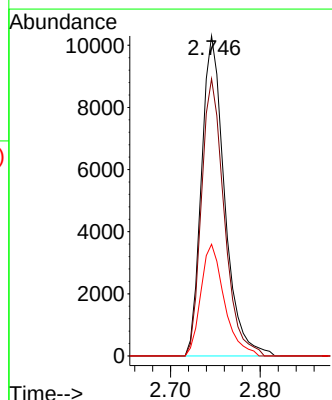
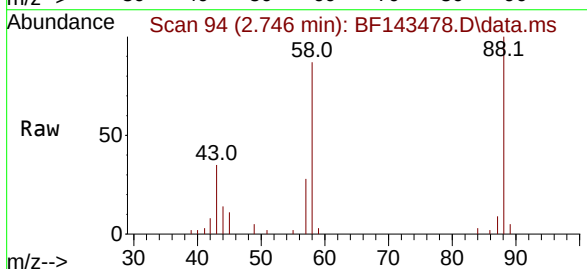
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

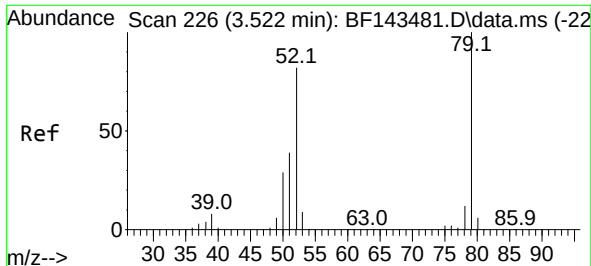
Tgt Ion:152 Resp: 139746
 Ion Ratio Lower Upper
 152 100
 150 154.9 128.9 193.3
 115 58.0 49.2 73.8



#2
 1,4-Dioxane
 Concen: 4.976 ng
 RT: 2.746 min Scan# 94
 Delta R.T. 0.012 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

Tgt Ion: 88 Resp: 18448
 Ion Ratio Lower Upper
 88 100
 58 85.1 66.7 100.1
 43 35.4 25.8 38.8





#3

Pyridine

Concen: 4.739 ng

RT: 3.552 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

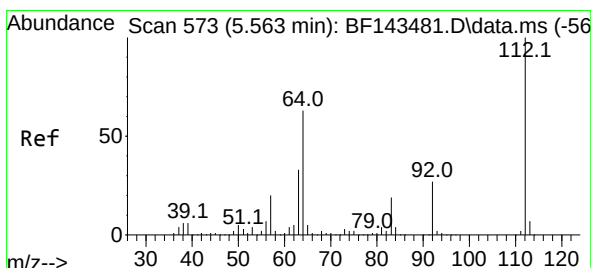
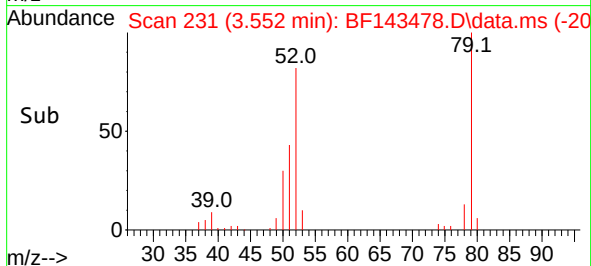
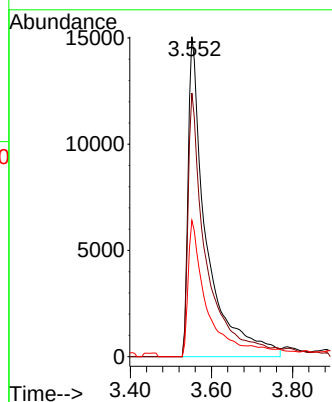
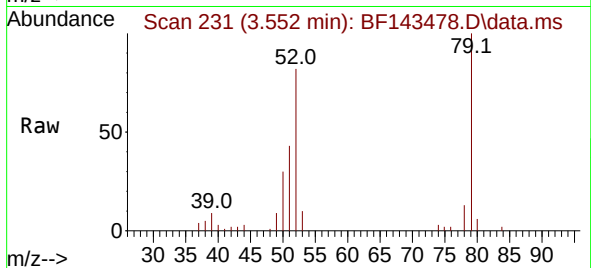
Tgt Ion: 79 Resp: 46794

Ion Ratio Lower Upper

79 100

52 82.4 65.6 98.4

51 42.6 31.2 46.8



#5

2-Fluorophenol

Concen: 10.505 ng

RT: 5.563 min Scan# 573

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

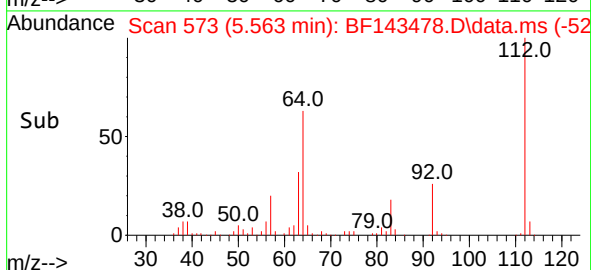
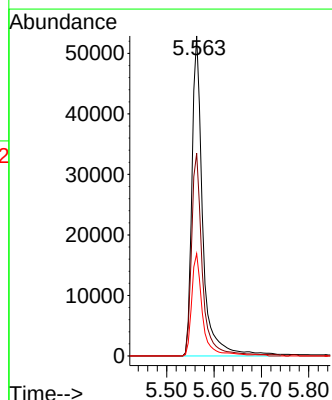
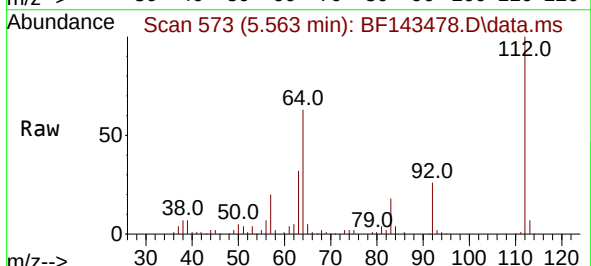
Tgt Ion: 112 Resp: 84074

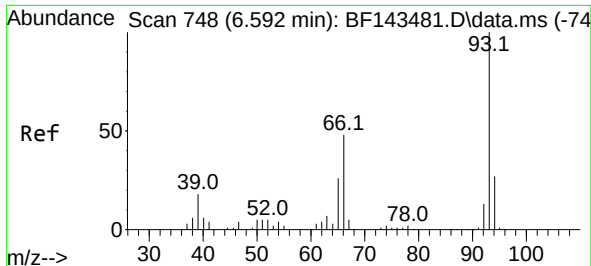
Ion Ratio Lower Upper

112 100

64 63.4 50.4 75.6

63 32.0 26.4 39.6

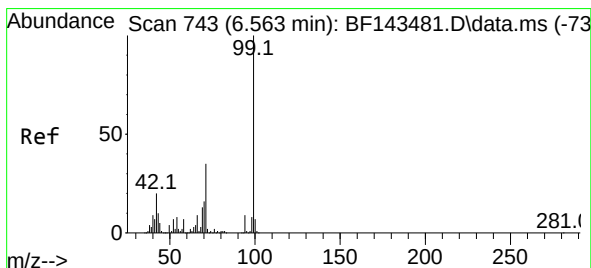
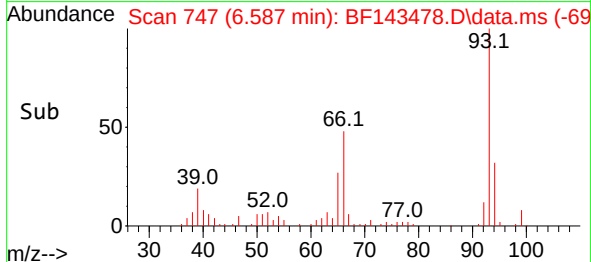
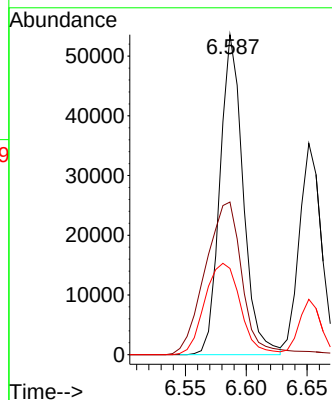
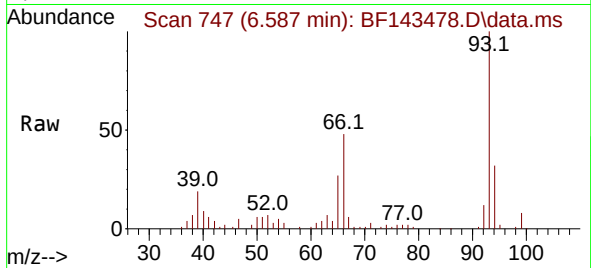




#6
Aniline
Concen: 5.381 ng
RT: 6.587 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

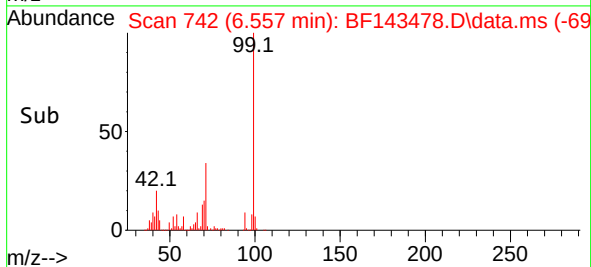
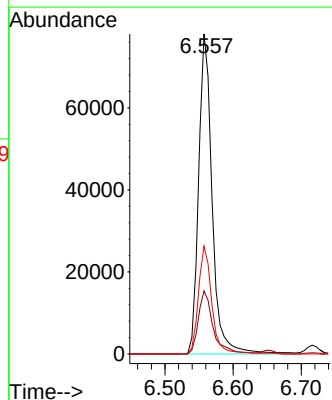
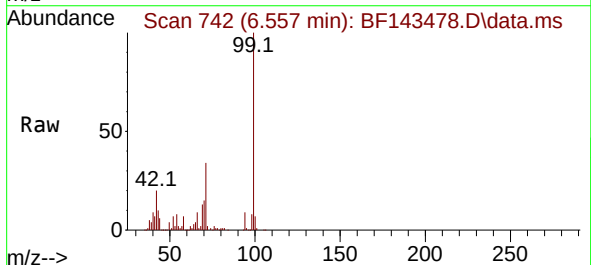
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

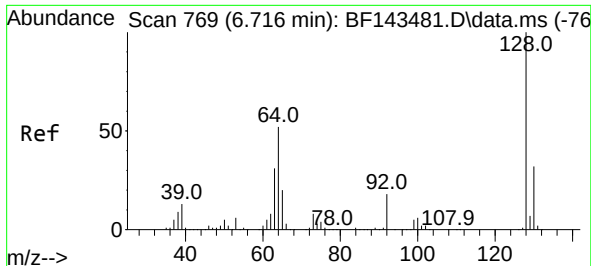
Tgt Ion: 93 Resp: 71052
Ion Ratio Lower Upper
93 100
66 47.7 38.9 58.3
65 27.0 20.6 30.8



#7
Phenol-d6
Concen: 10.867 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 99 Resp: 107354
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 33.7 28.2 42.2

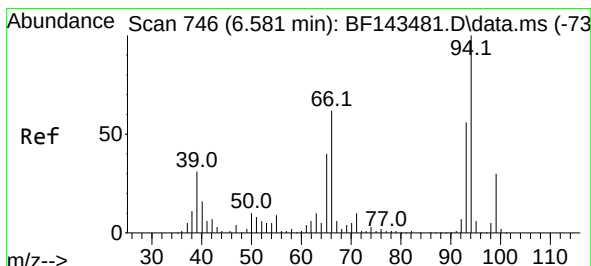
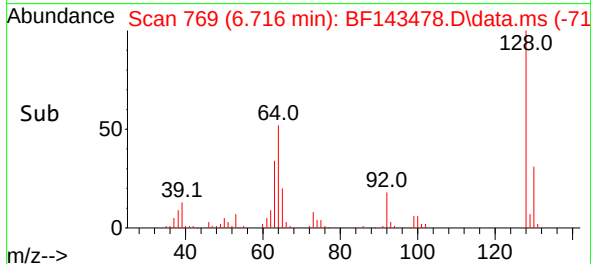
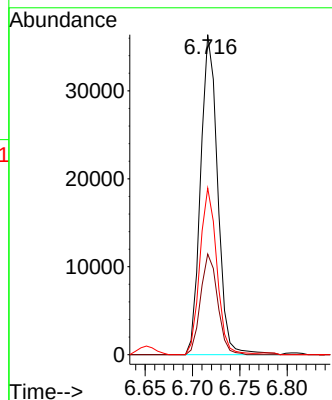
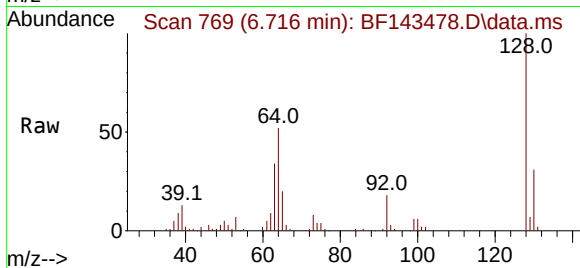




#8
2-Chlorophenol
Concen: 5.142 ng
RT: 6.716 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

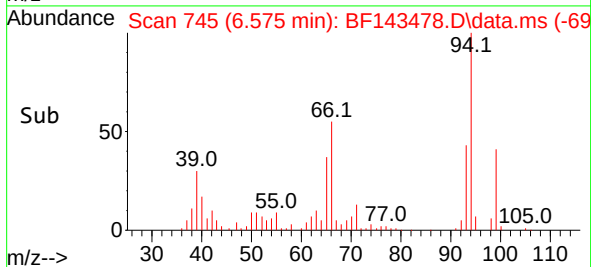
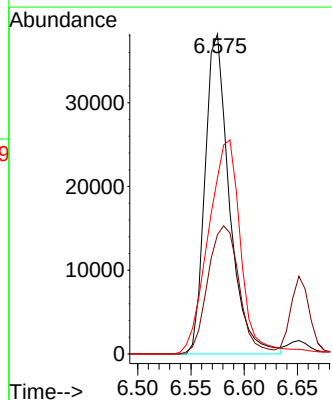
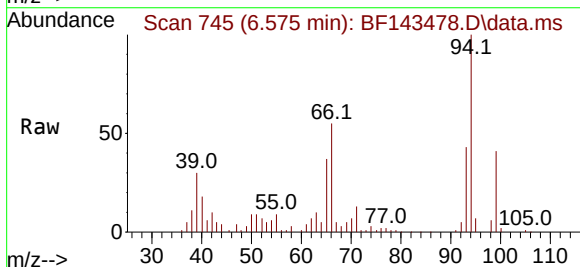
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

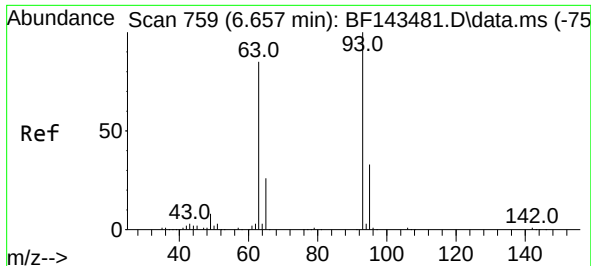
Tgt Ion:128 Resp: 45449
Ion Ratio Lower Upper
128 100
130 31.5 12.4 52.4
64 52.0 31.6 71.6



#10
Phenol
Concen: 5.343 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 94 Resp: 60812
Ion Ratio Lower Upper
94 100
65 37.3 19.5 59.5
66 55.1 42.5 82.5

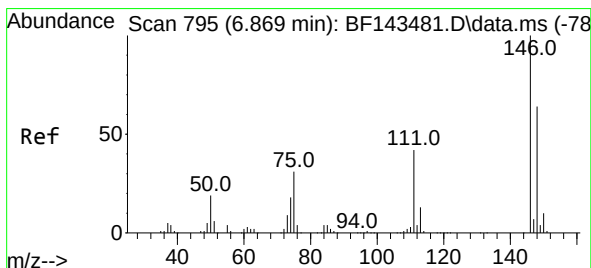
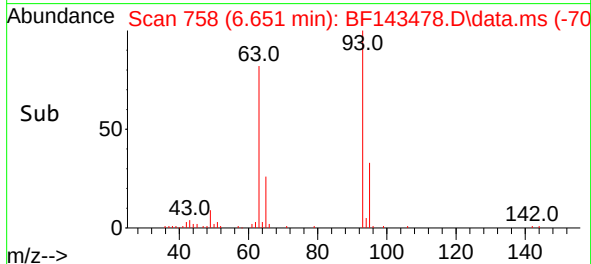
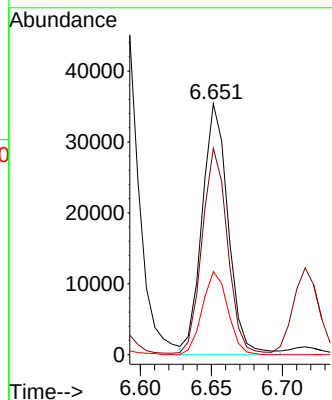
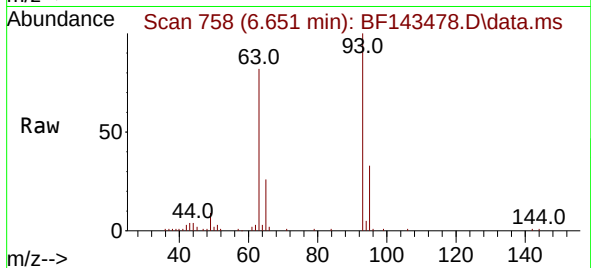




#11
bis(2-Chloroethyl)ether
Concen: 5.323 ng
RT: 6.651 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

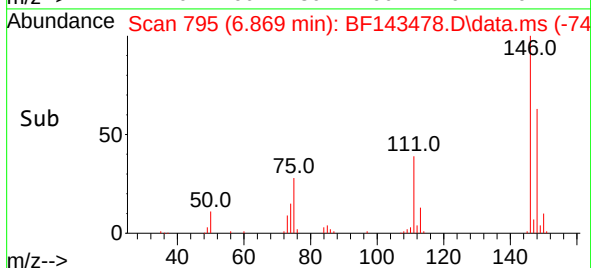
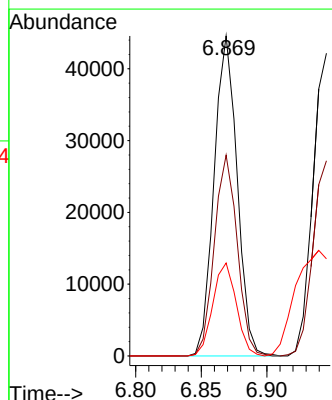
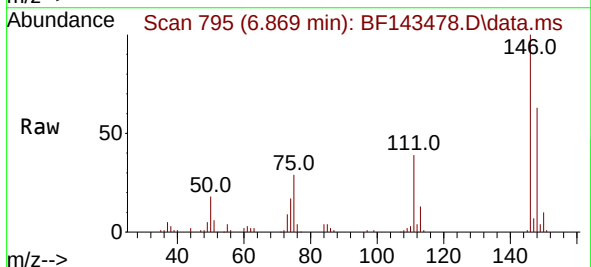
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

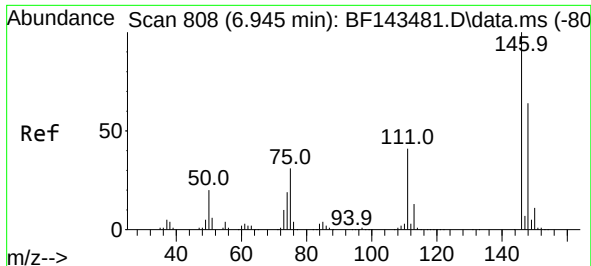
Tgt Ion: 93	Resp: 45274
Ion Ratio	Lower Upper
93 100	
63 82.2	63.6 103.6
95 33.1	12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 5.480 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:146	Resp: 54424		
Ion Ratio	Lower	Upper	
146 100			
148 62.8	51.3	76.9	
75 29.1	24.7	37.1	





#13

1,4-Dichlorobenzene

Concen: 5.368 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

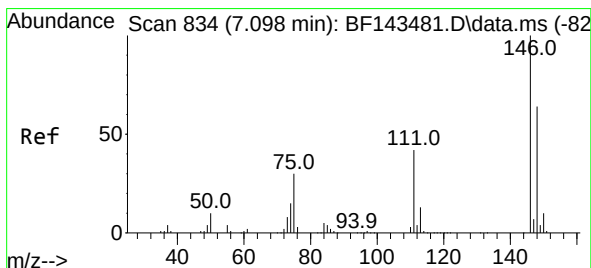
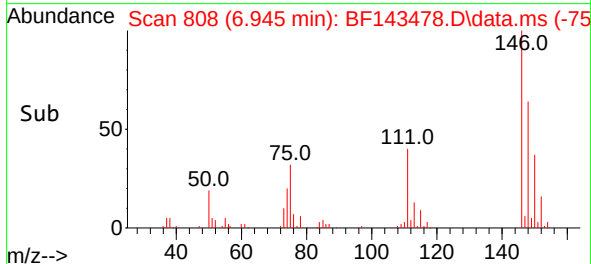
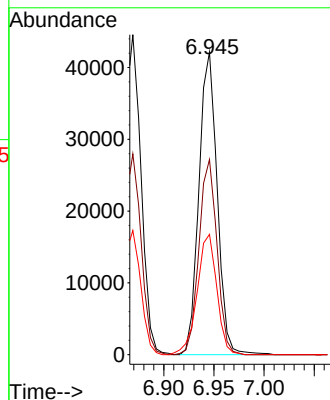
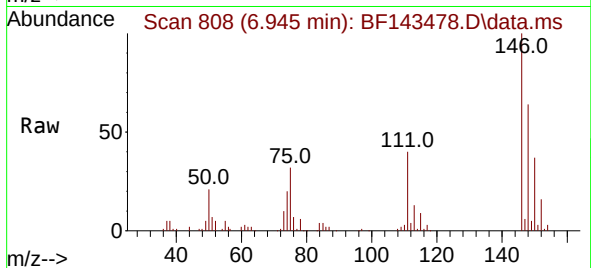
Tgt Ion:146 Resp: 53485

Ion Ratio Lower Upper

146 100

148 64.5 51.5 77.3

111 39.7 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 5.362 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

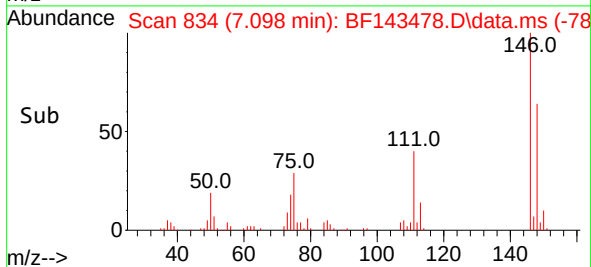
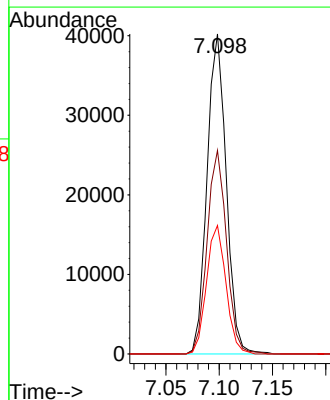
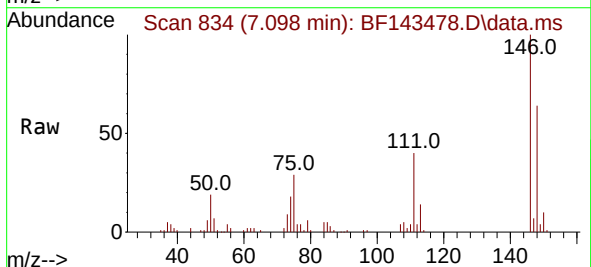
Tgt Ion:146 Resp: 50580

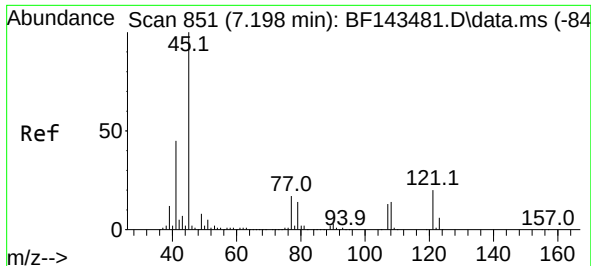
Ion Ratio Lower Upper

146 100

148 63.6 51.0 76.6

111 40.2 34.0 51.0

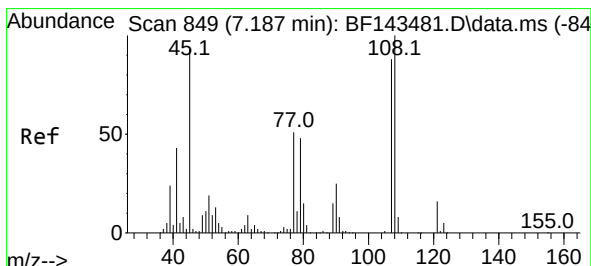
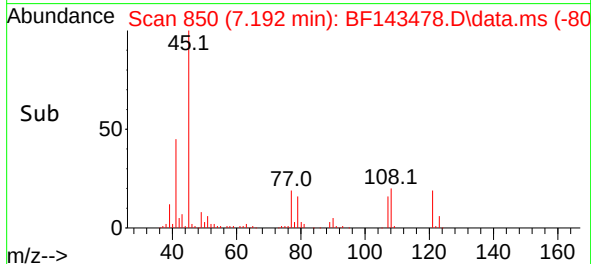
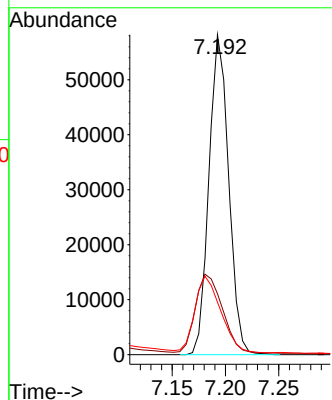
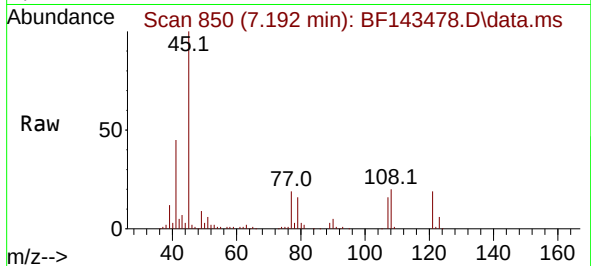




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.504 ng
RT: 7.192 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

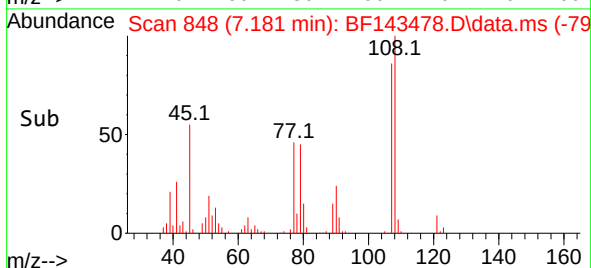
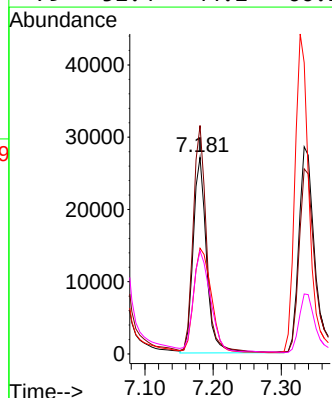
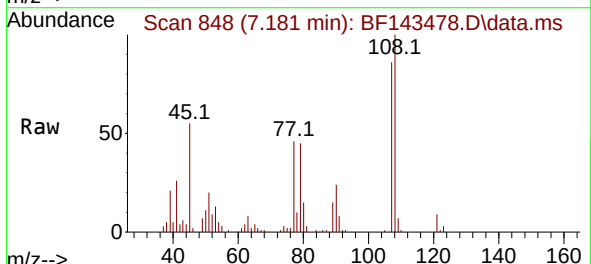
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

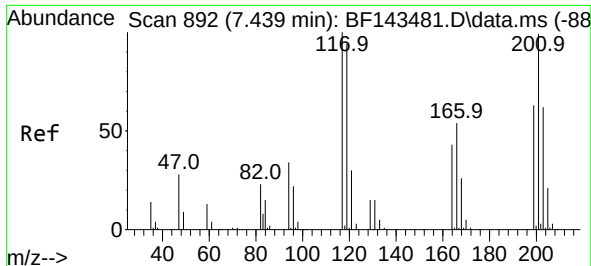
Tgt Ion: 45 Resp: 74897
Ion Ratio Lower Upper
45 100
77 19.0 0.0 37.9
79 16.4 0.0 34.7



#17
2-Methylphenol
Concen: 5.180 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

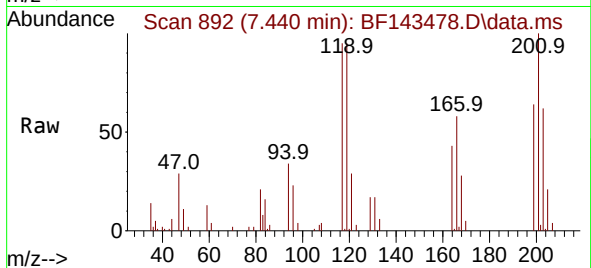
Tgt Ion:107 Resp: 36752
Ion Ratio Lower Upper
107 100
108 116.1 91.1 136.7
77 53.7 46.2 69.4
79 52.4 44.2 66.2



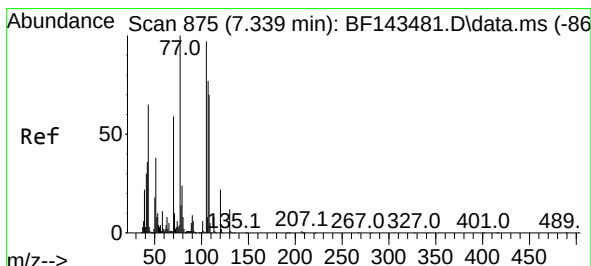
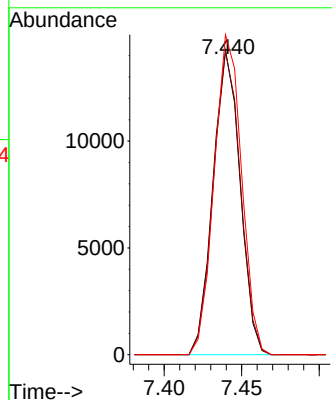
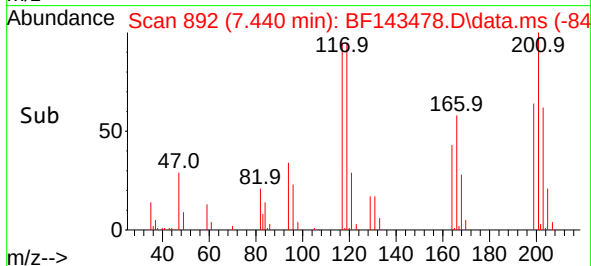


#18
Hexachloroethane
Concen: 5.108 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

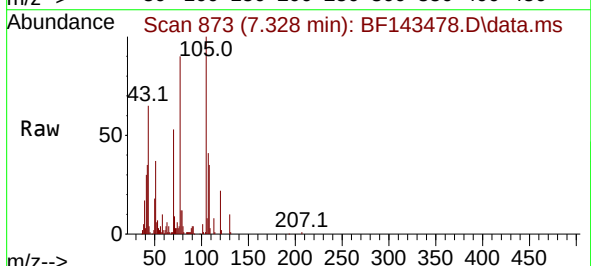
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



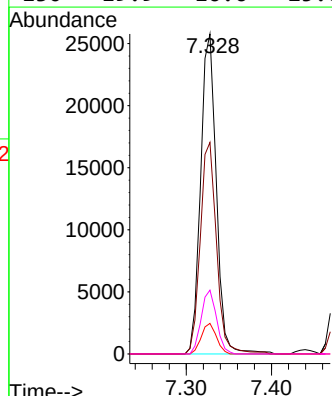
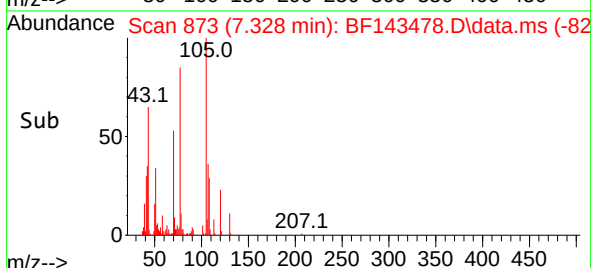
Tgt Ion:117 Resp: 17304
Ion Ratio Lower Upper
117 100
119 99.6 75.4 113.0
201 105.1 79.0 118.4

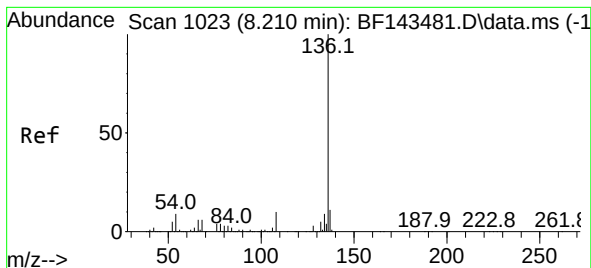


#19
n-Nitroso-di-n-propylamine
Concen: 5.458 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.024 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25



Tgt Ion: 70 Resp: 32958
Ion Ratio Lower Upper
70 100
42 66.1 49.3 73.9
101 9.5 7.8 11.8
130 19.9 16.6 25.0

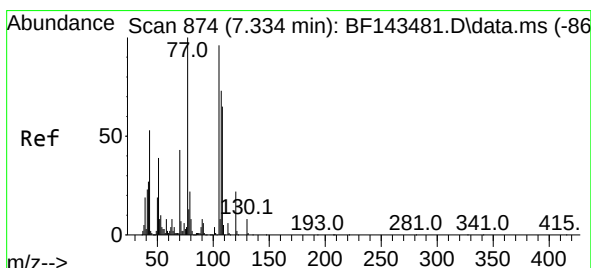
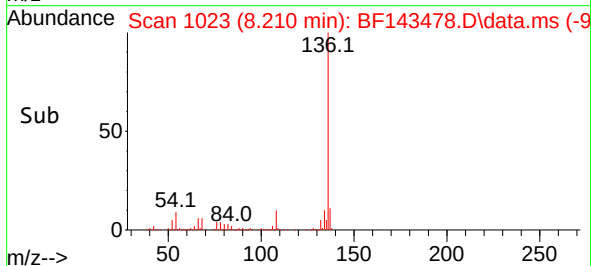
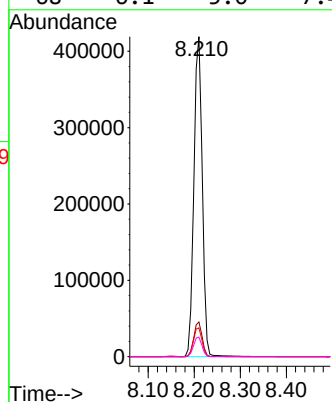
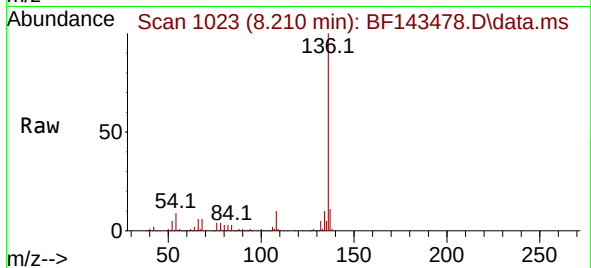




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

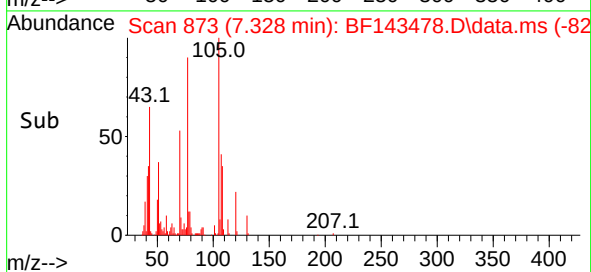
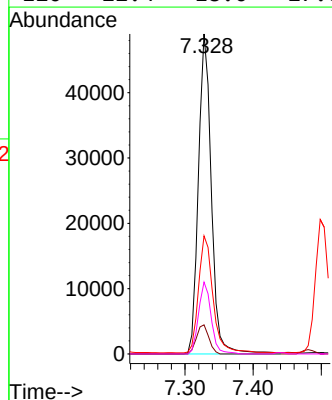
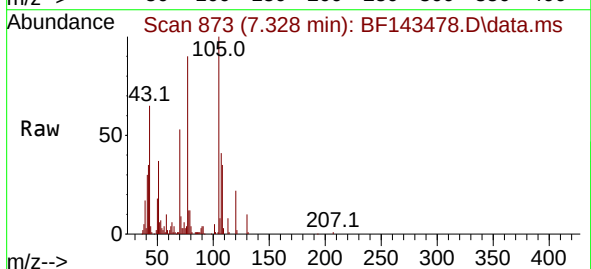
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

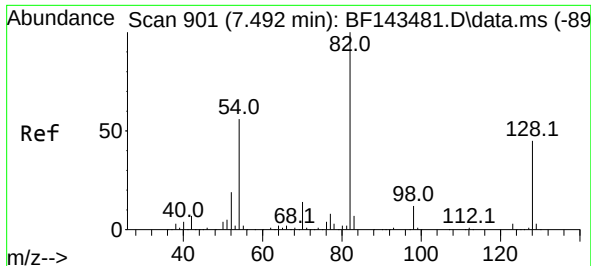
Tgt Ion:	136	Resp:	528467
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	9.0	7.4	11.2
68	6.1	5.0	7.4



#22
Acetophenone
Concen: 5.658 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:	105	Resp:	64602
Ion Ratio	Lower	Upper	
105	100		
71	9.1	5.9	8.9
51	36.9	32.5	48.7
120	22.4	18.0	27.0





#23

Nitrobenzene-d5

Concen: 10.327 ng

RT: 7.481 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

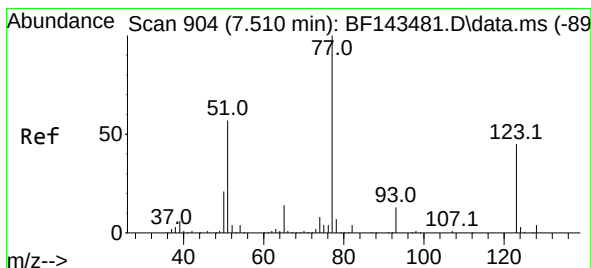
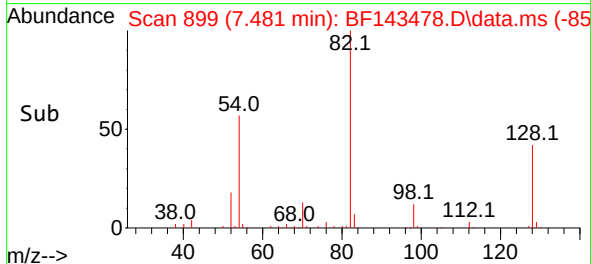
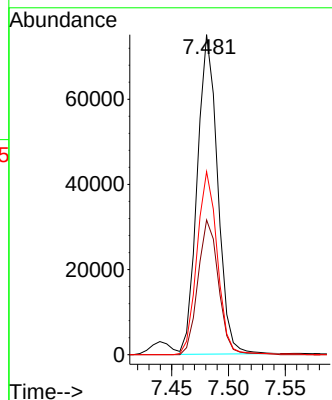
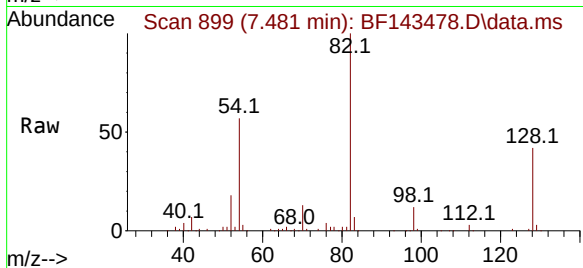
Tgt Ion: 82 Resp: 93525

Ion Ratio Lower Upper

82 100

128 42.1 35.5 53.3

54 57.2 44.3 66.5



#24

Nitrobenzene

Concen: 5.004 ng

RT: 7.498 min Scan# 902

Delta R.T. -0.018 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

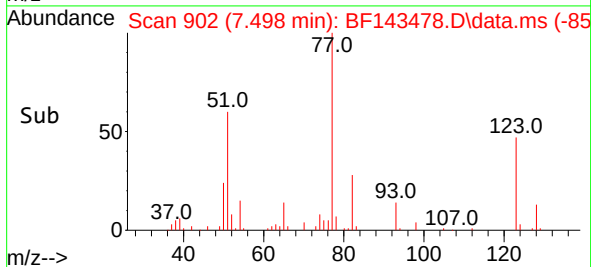
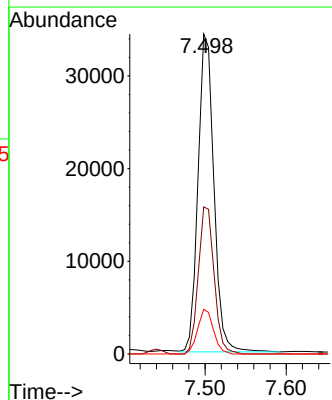
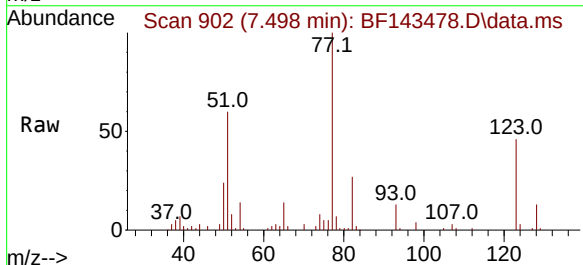
Tgt Ion: 77 Resp: 46642

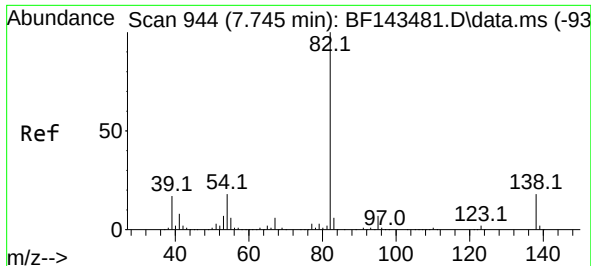
Ion Ratio Lower Upper

77 100

123 46.0 36.1 54.1

65 14.0 11.0 16.6

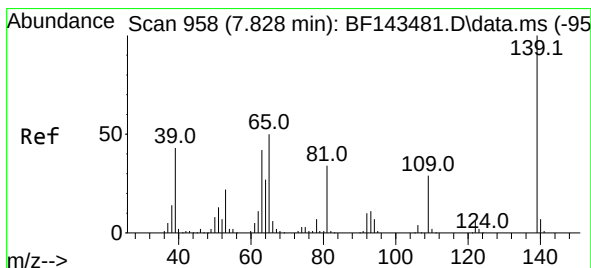
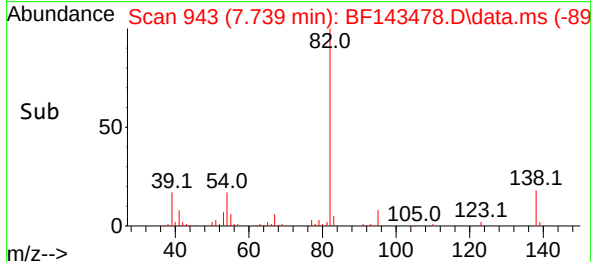
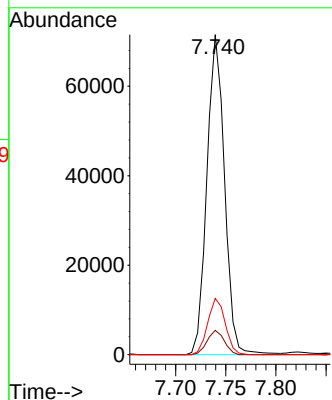
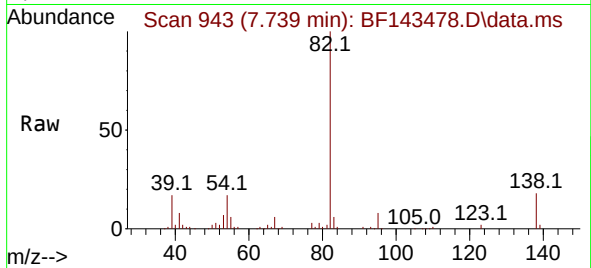




#25
Isophorone
Concen: 5.298 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

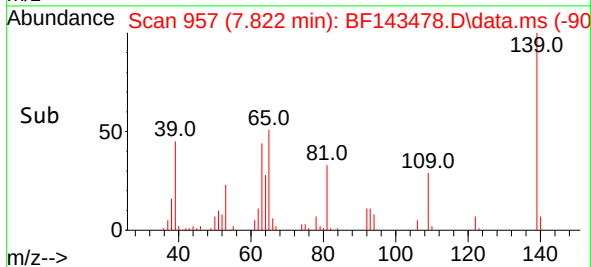
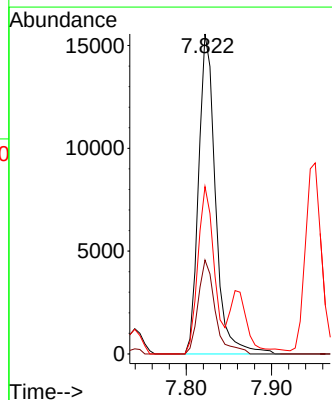
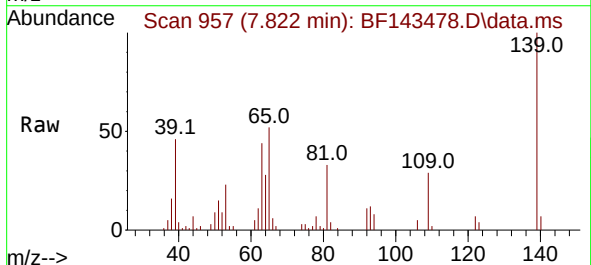
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

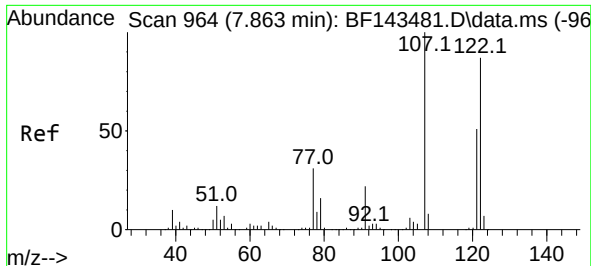
Tgt Ion: 82 Resp: 87950
Ion Ratio Lower Upper
82 100
95 7.6 5.8 8.8
138 17.6 14.2 21.4



#26
2-Nitrophenol
Concen: 4.697 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:139 Resp: 21447
Ion Ratio Lower Upper
139 100
109 29.3 23.0 34.6
65 52.3 40.3 60.5

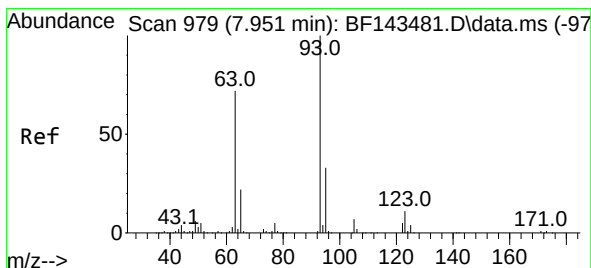
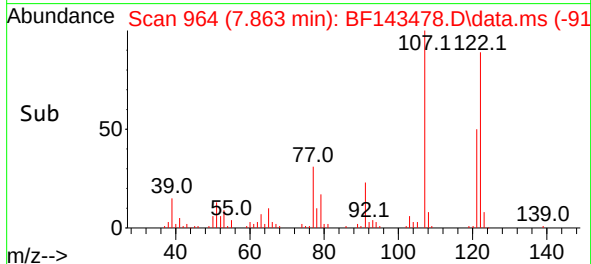
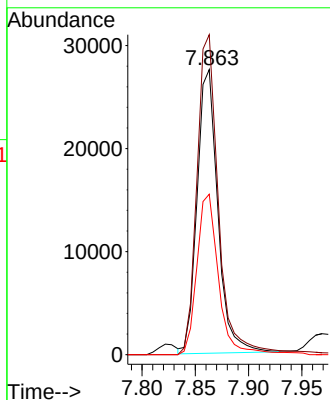
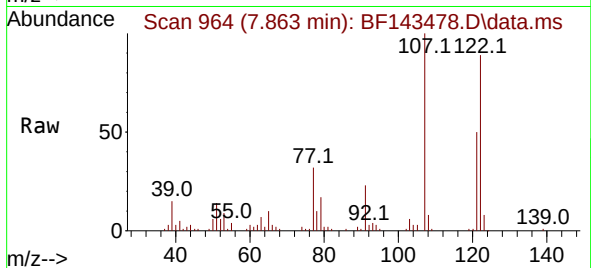




#27
2,4-Dimethylphenol
Concen: 5.255 ng
RT: 7.863 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

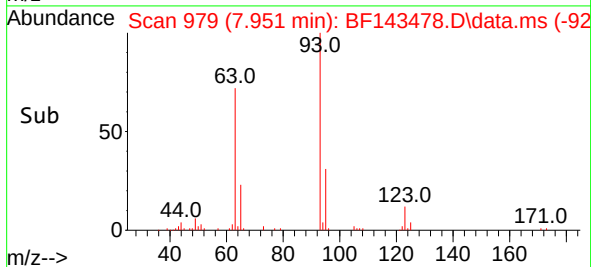
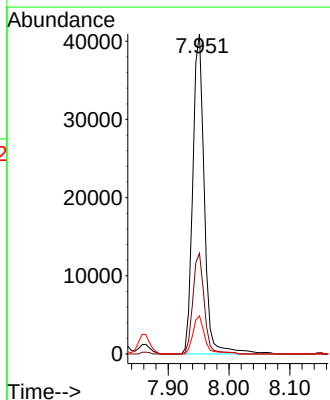
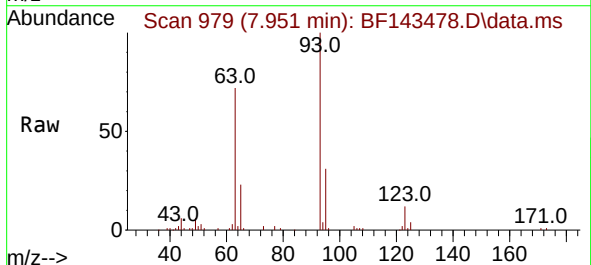
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

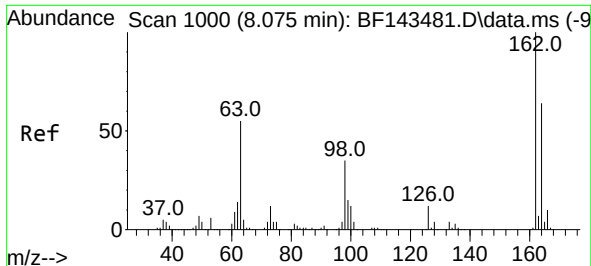
Tgt Ion:122 Resp: 37403
Ion Ratio Lower Upper
122 100
107 112.2 91.5 137.3
121 56.3 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 5.299 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 93 Resp: 54059
Ion Ratio Lower Upper
93 100
95 31.4 26.0 39.0
123 11.9 9.1 13.7

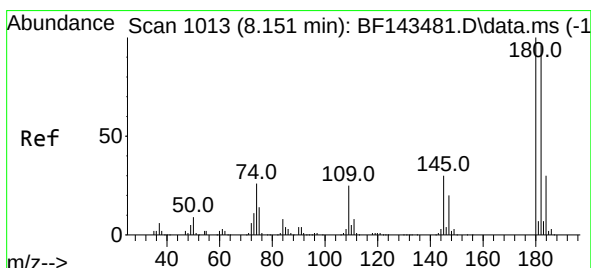
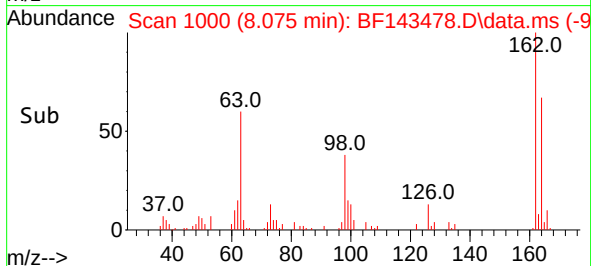
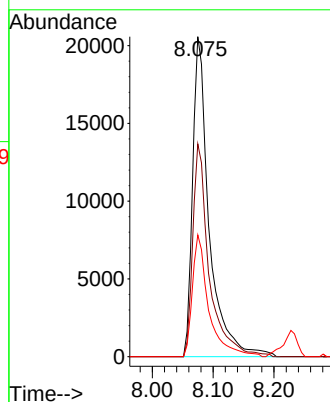
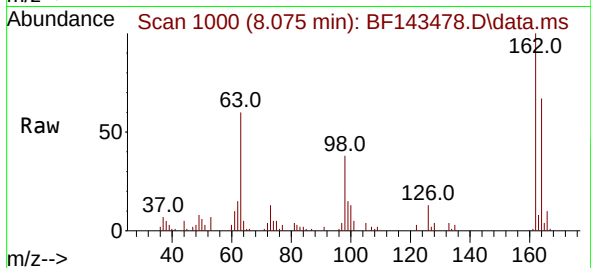




#29
2,4-Dichlorophenol
Concen: 5.093 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

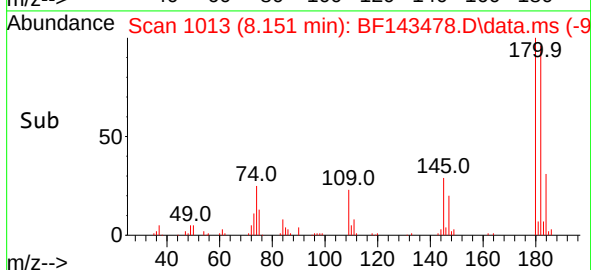
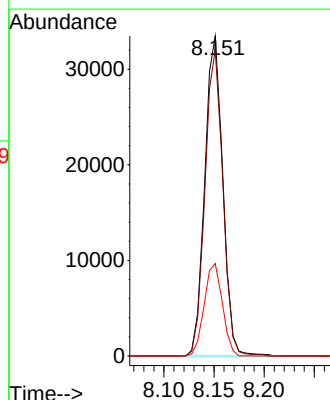
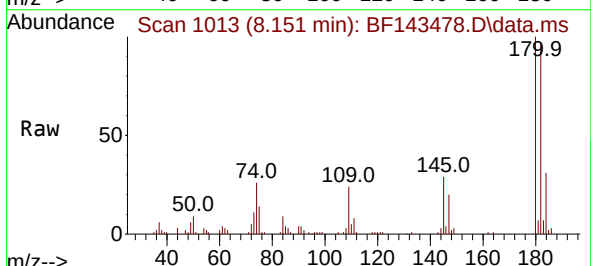
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

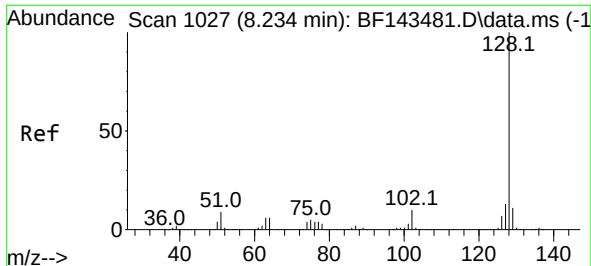
Tgt Ion:162 Resp: 38716
Ion Ratio Lower Upper
162 100
164 66.5 43.5 83.5
98 38.0 15.1 55.1



#30
1,2,4-Trichlorobenzene
Concen: 5.382 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:180 Resp: 42060
Ion Ratio Lower Upper
180 100
182 95.5 76.6 114.8
145 28.9 24.3 36.5

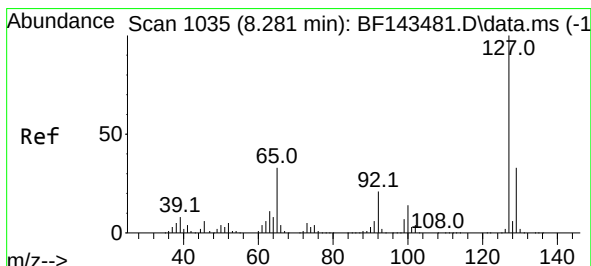
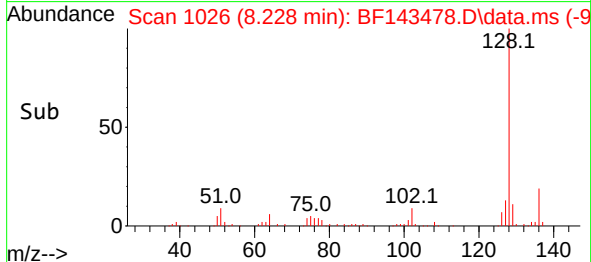
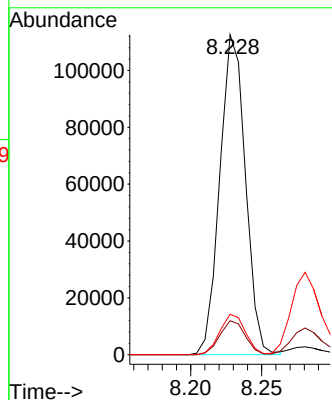
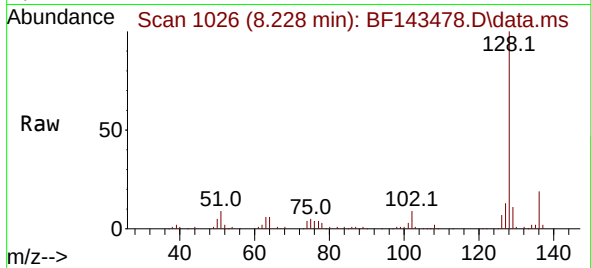




#31
Naphthalene
Concen: 5.565 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

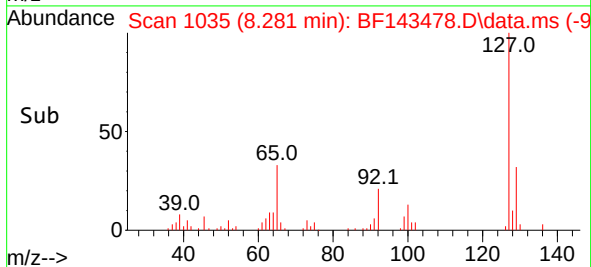
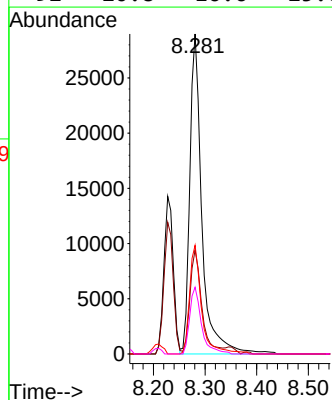
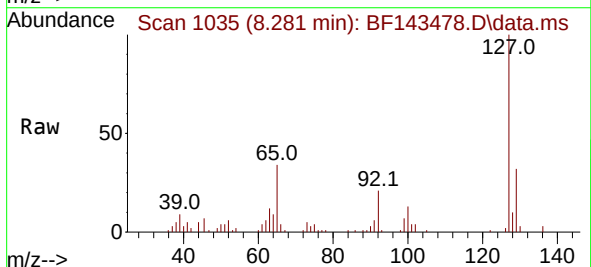
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

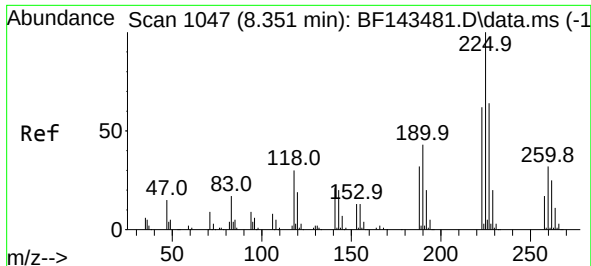
Tgt Ion:128 Resp: 141189
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.7 10.6 16.0



#33
4-Chloroaniline
Concen: 5.264 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:127 Resp: 47399
Ion Ratio Lower Upper
127 100
129 32.4 26.1 39.1
65 34.0 26.2 39.2
92 20.8 16.6 25.0

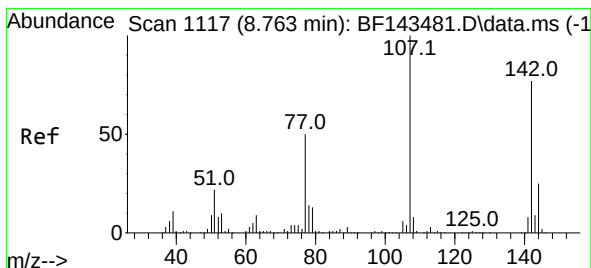
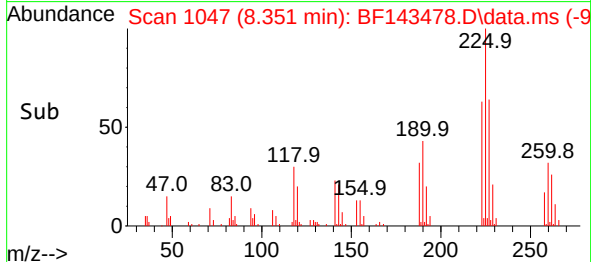
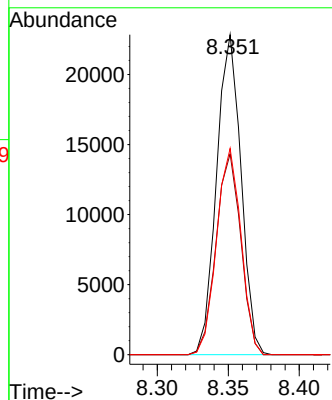
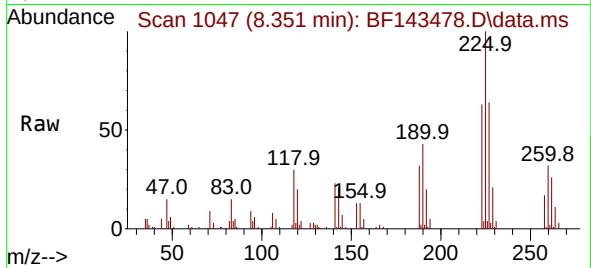




#34
Hexachlorobutadiene
Concen: 5.357 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

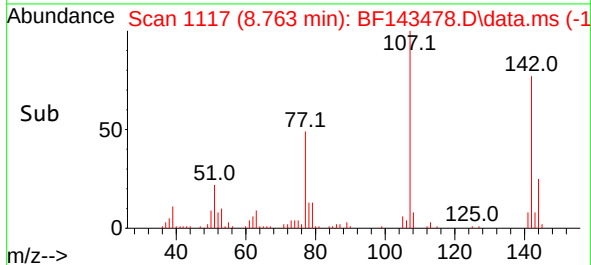
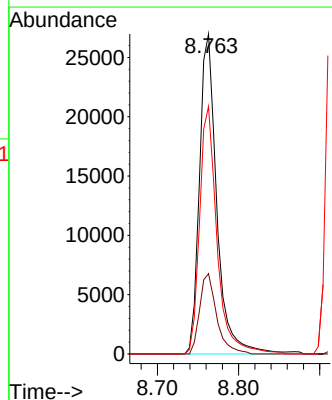
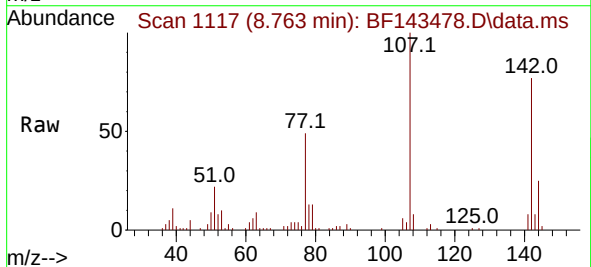
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

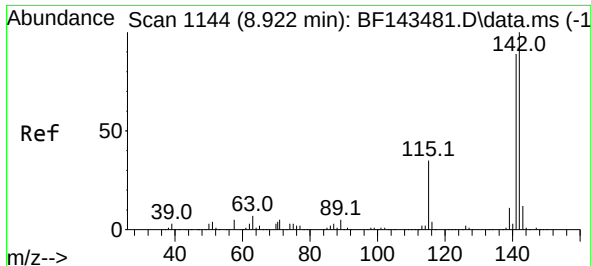
Tgt Ion:225 Resp: 27313
Ion Ratio Lower Upper
225 100
223 62.8 49.9 74.9
227 64.5 50.9 76.3



#36
4-Chloro-3-methylphenol
Concen: 5.259 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:107 Resp: 40059
Ion Ratio Lower Upper
107 100
144 25.1 19.9 29.9
142 77.4 61.8 92.8

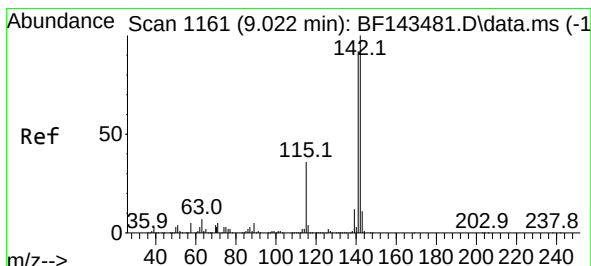
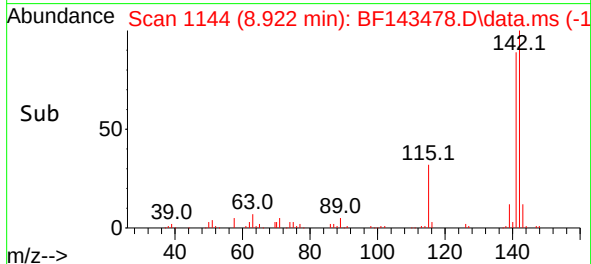
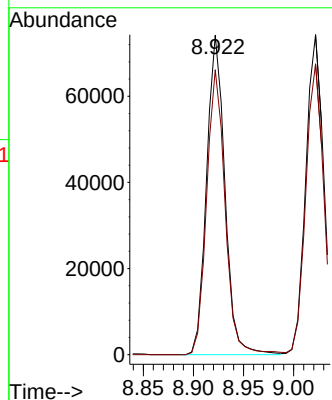
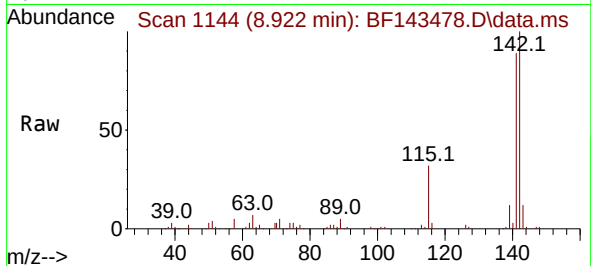




#37
2-Methylnaphthalene
Concen: 5.585 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

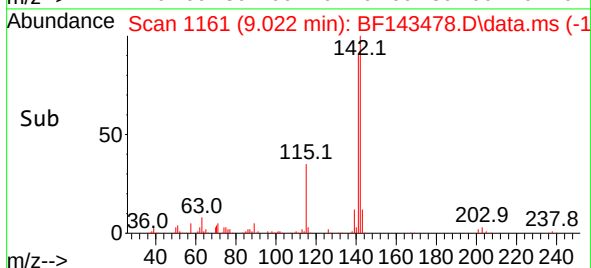
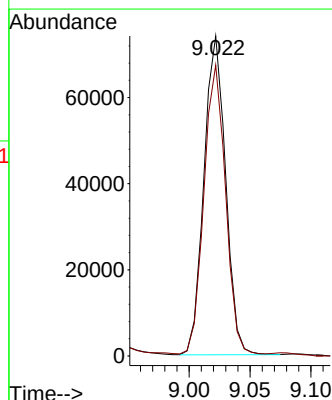
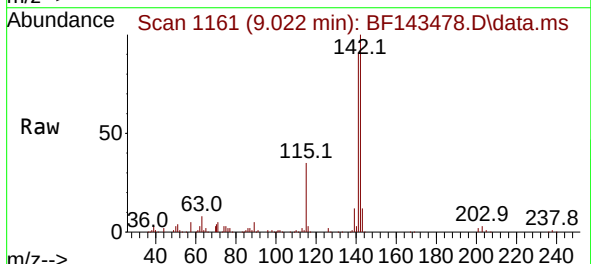
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

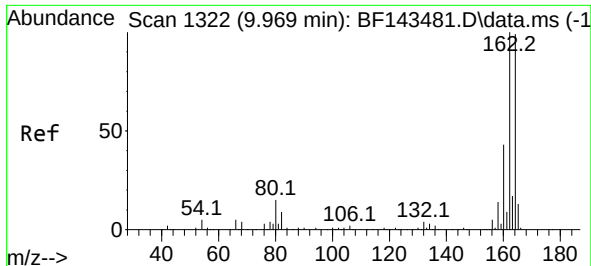
Tgt Ion:142 Resp: 94640
Ion Ratio Lower Upper
142 100
141 89.2 71.0 106.4



#38
1-Methylnaphthalene
Concen: 5.644 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:142 Resp: 91483
Ion Ratio Lower Upper
142 100
141 90.9 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

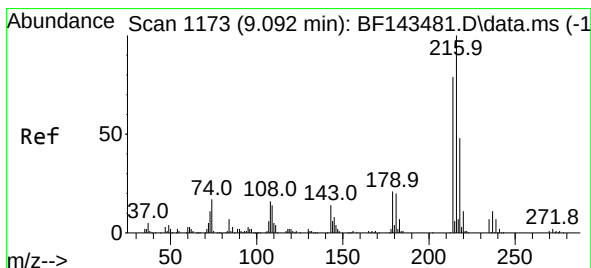
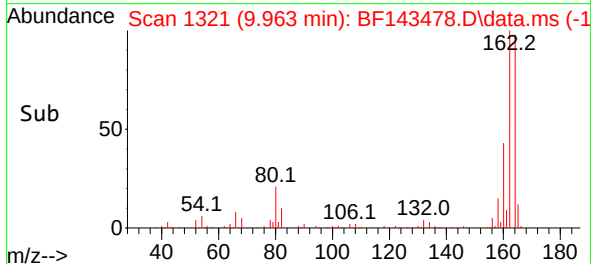
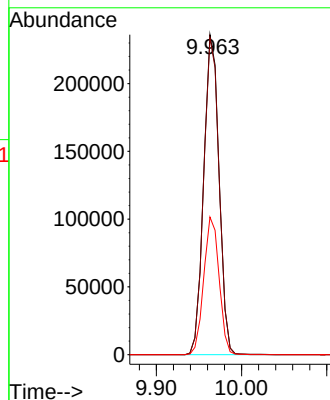
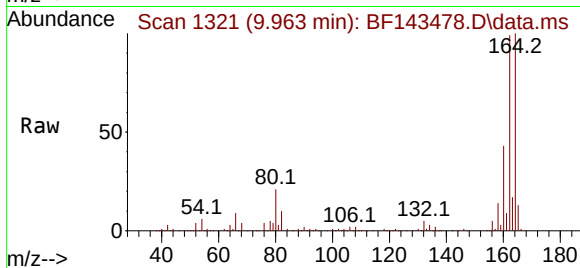
Tgt Ion:164 Resp: 295421

Ion Ratio Lower Upper

164 100

162 99.1 80.5 120.7

160 43.0 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.494 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Tgt Ion:216 Resp: 46429

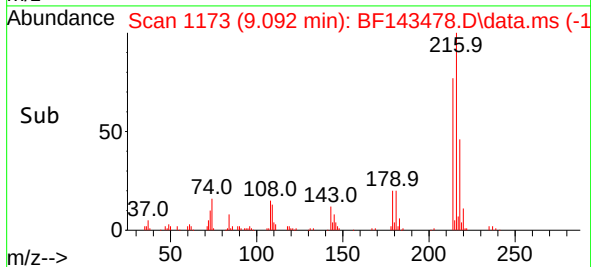
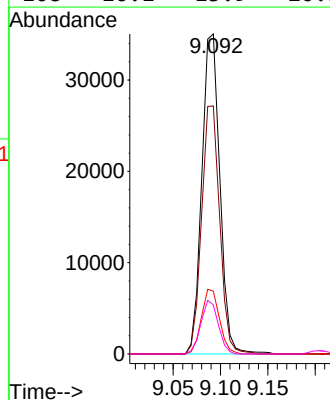
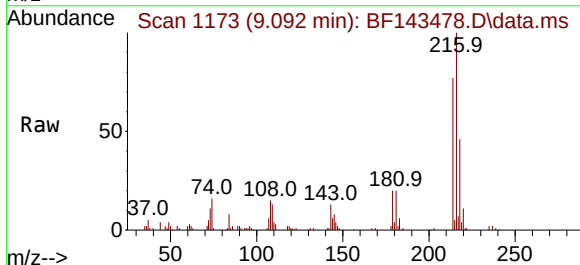
Ion Ratio Lower Upper

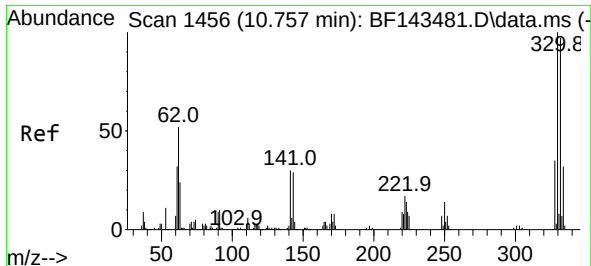
216 100

214 77.4 63.4 95.0

179 20.2 16.5 24.7

108 16.1 13.9 20.9





#42

2,4,6-Tribromophenol

Concen: 10.254 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF143478.D

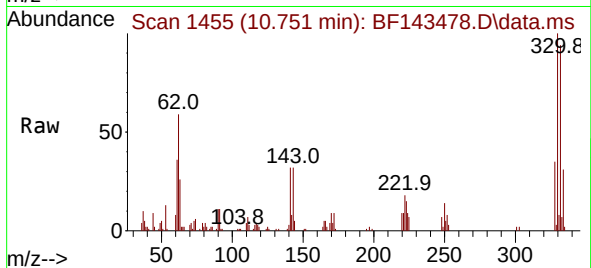
Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005



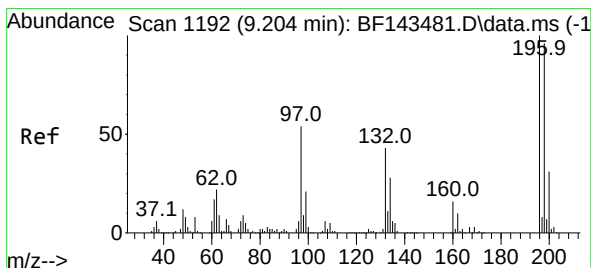
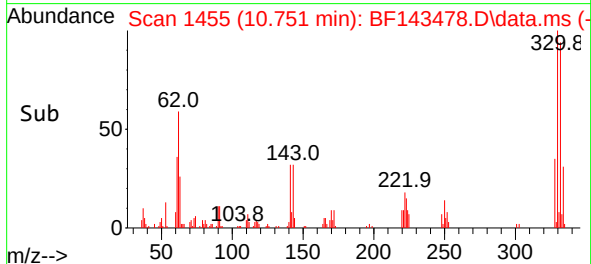
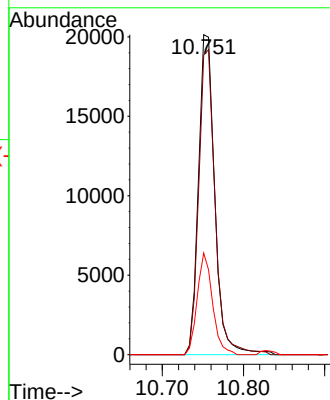
Tgt Ion:330 Resp: 28197

Ion Ratio Lower Upper

330 100

332 95.6 78.0 117.0

141 29.8 23.7 35.5



#43

2,4,6-Trichlorophenol

Concen: 4.807 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

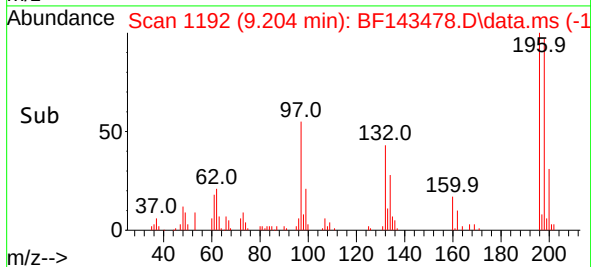
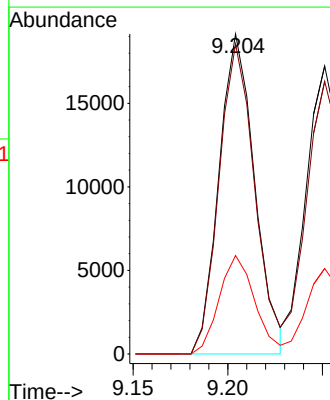
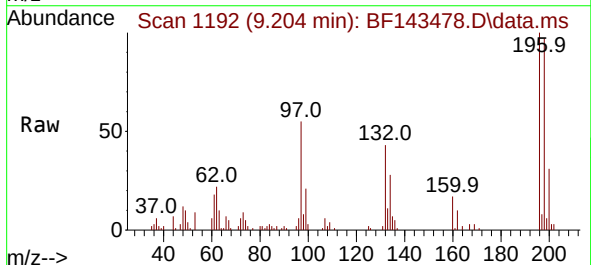
Tgt Ion:196 Resp: 24994

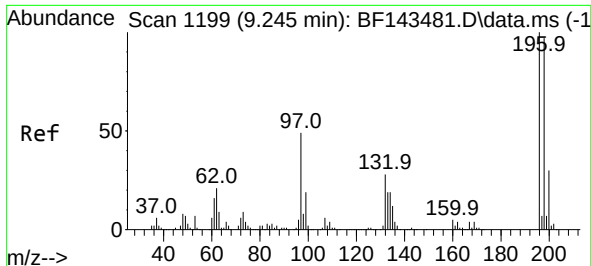
Ion Ratio Lower Upper

196 100

198 96.9 77.0 115.4

200 30.8 24.6 37.0

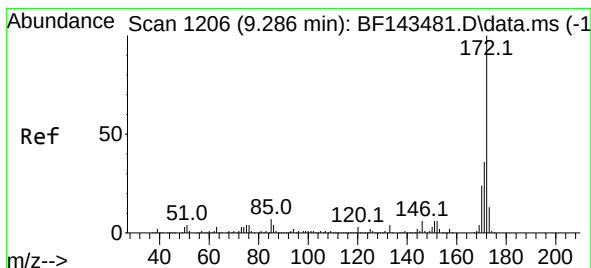
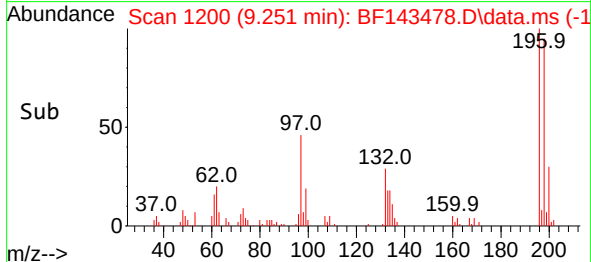
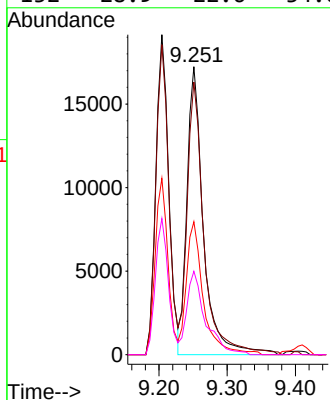
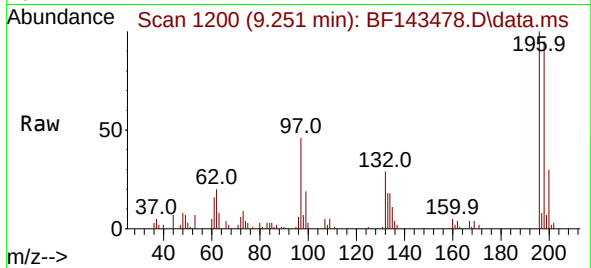




#44
2,4,5-Trichlorophenol
Concen: 5.089 ng
RT: 9.251 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

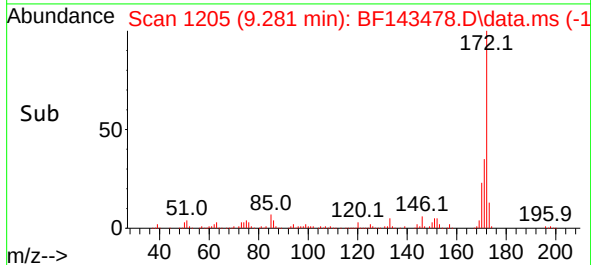
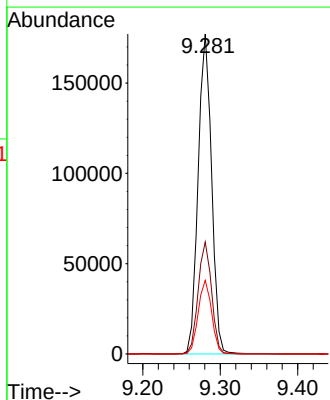
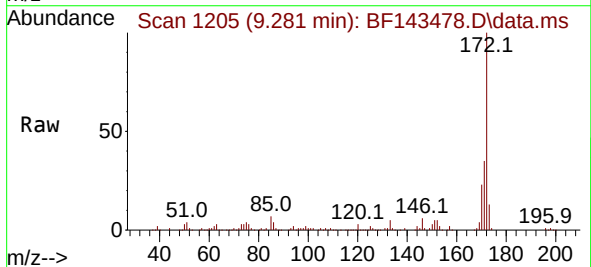
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

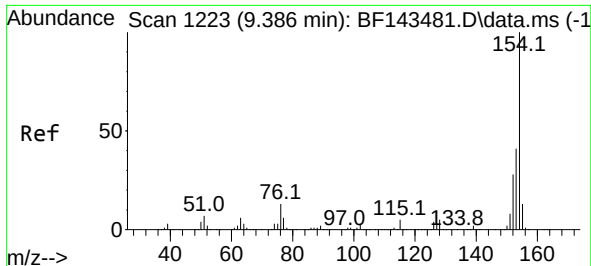
Tgt Ion:196	Resp:	28903
Ion Ratio	Lower	Upper
196	100	
198	94.7	77.3 115.9
97	46.2	40.0 60.0
132	28.9	22.6 34.0



#45
2-Fluorobiphenyl
Concen: 11.943 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:172	Resp:	213485
Ion Ratio	Lower	Upper
172	100	
171	35.0	28.8 43.2
170	23.0	18.8 28.2

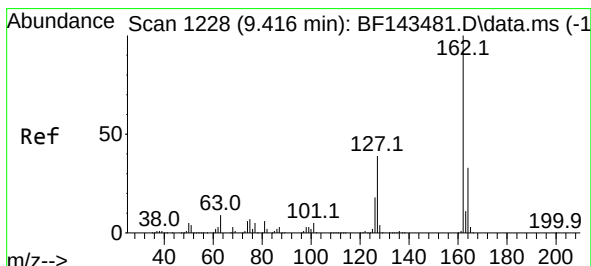
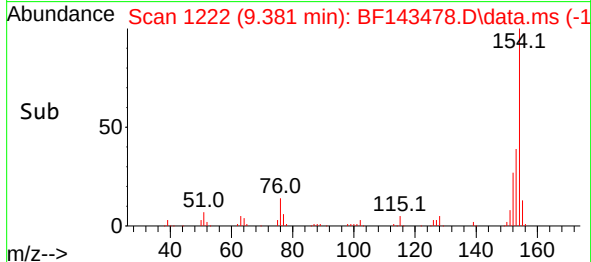
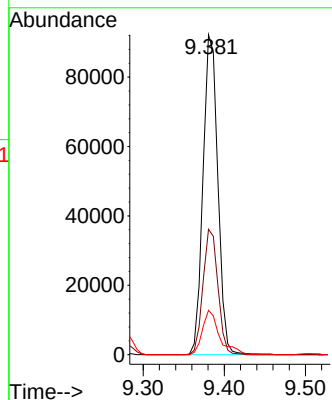
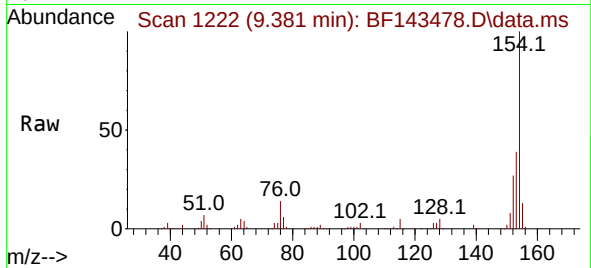




#46
1,1'-Biphenyl
Concen: 5.573 ng
RT: 9.381 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

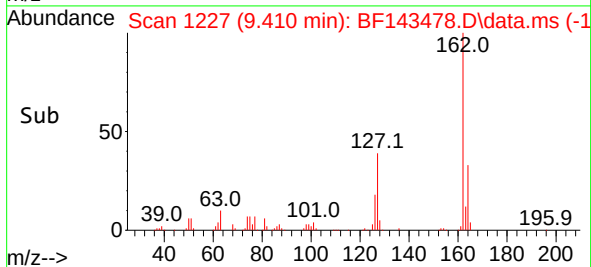
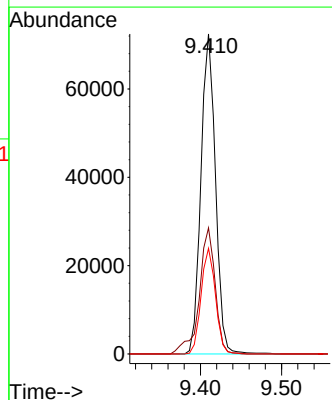
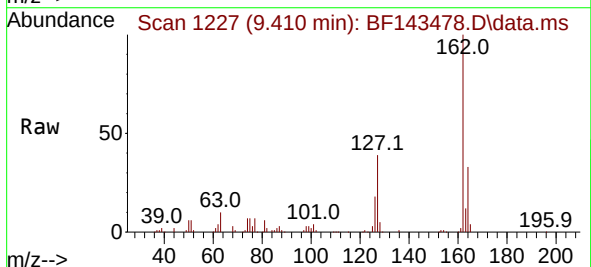
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

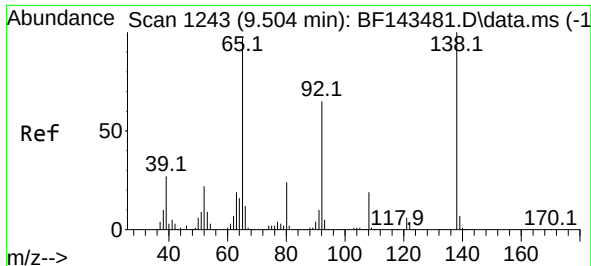
Tgt Ion:154 Resp: 116864
Ion Ratio Lower Upper
154 100
153 39.2 20.6 60.6
76 13.9 0.0 33.0



#47
2-Chloronaphthalene
Concen: 5.484 ng
RT: 9.410 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:162 Resp: 90223
Ion Ratio Lower Upper
162 100
127 39.4 31.8 47.6
164 33.0 26.4 39.6

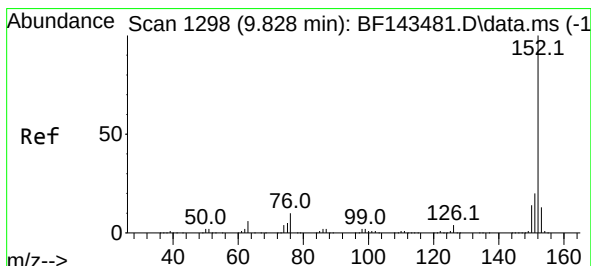
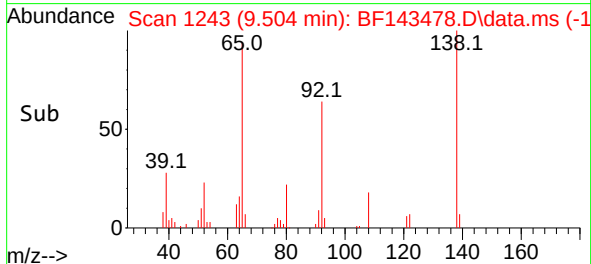
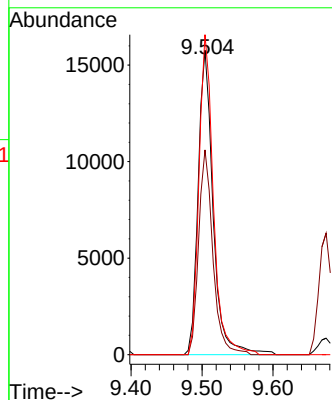
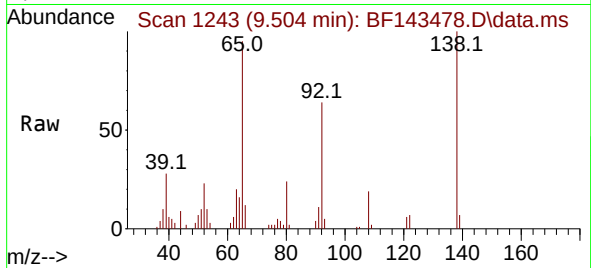




#48
2-Nitroaniline
Concen: 4.820 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

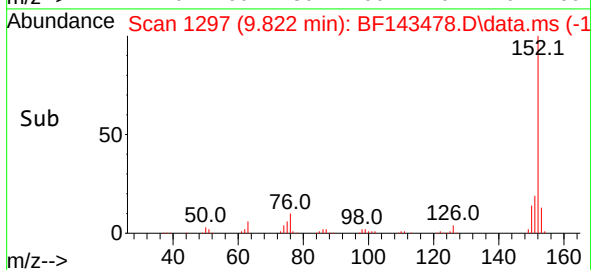
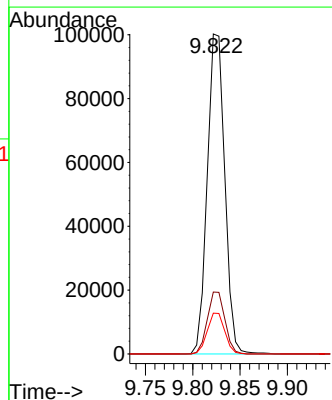
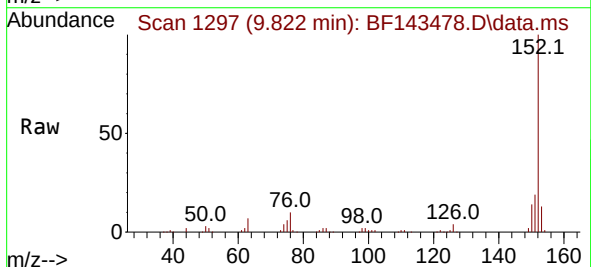
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

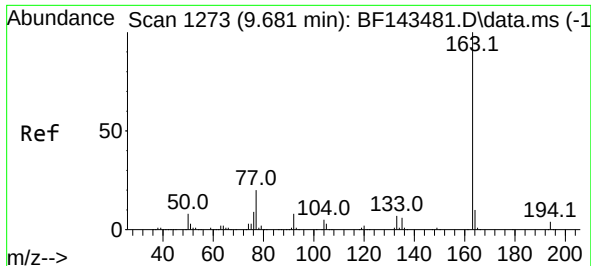
Tgt Ion: 65 Resp: 23209
Ion Ratio Lower Upper
65 100
92 67.3 53.8 80.6
138 105.1 82.4 123.6



#49
Acenaphthylene
Concen: 5.478 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 152 Resp: 129052
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 12.8 10.6 15.8

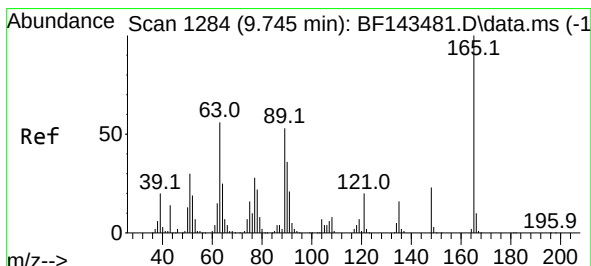
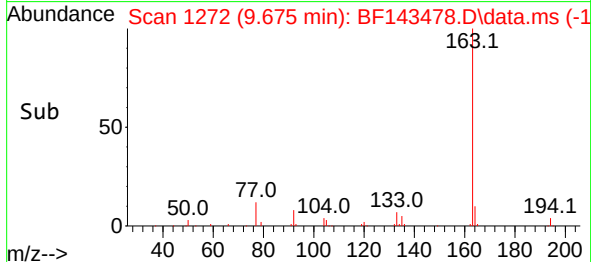
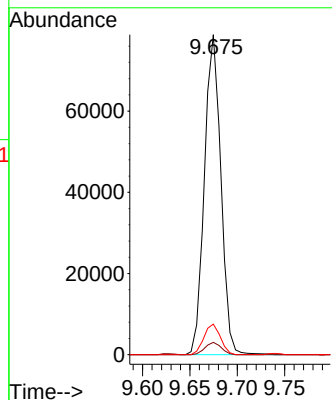
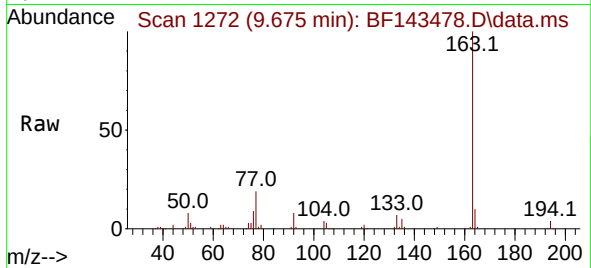




#50
Dimethylphthalate
Concen: 5.366 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

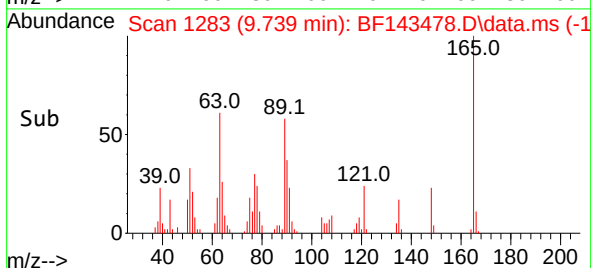
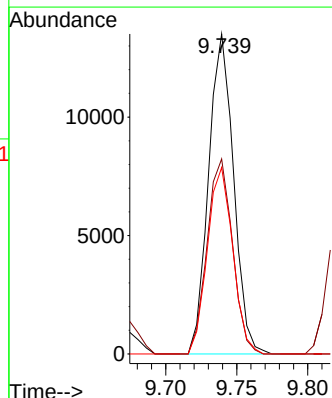
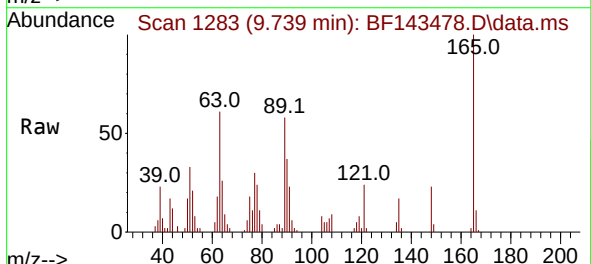
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

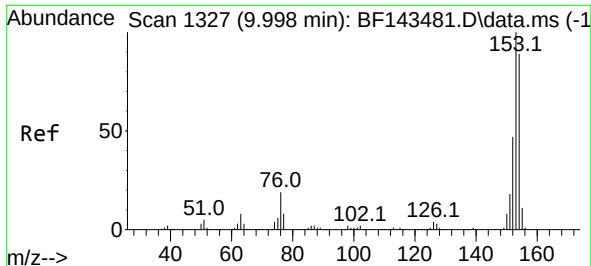
Tgt Ion:163 Resp: 95475
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 9.5 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 4.480 ng
RT: 9.739 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:165 Resp: 16519
Ion Ratio Lower Upper
165 100
63 61.0 45.0 67.6
89 58.3 42.5 63.7

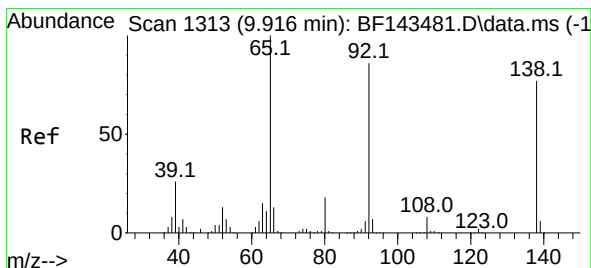
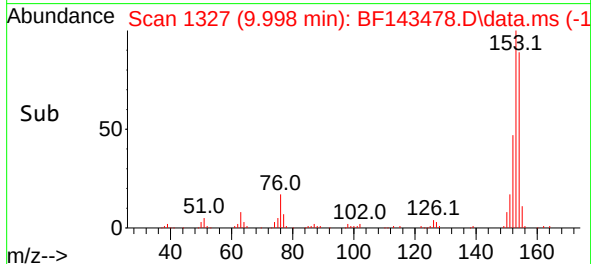
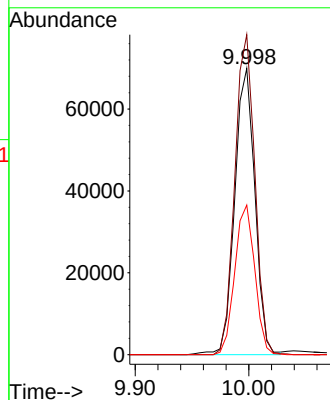
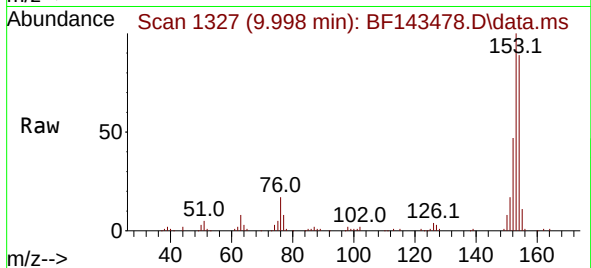




#52
Acenaphthene
Concen: 5.402 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

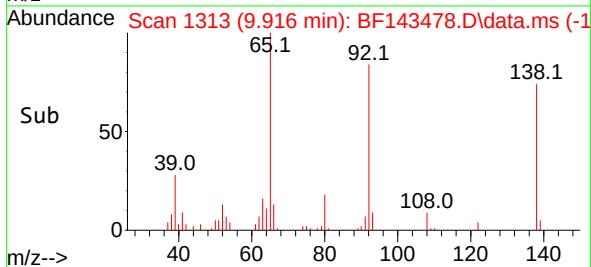
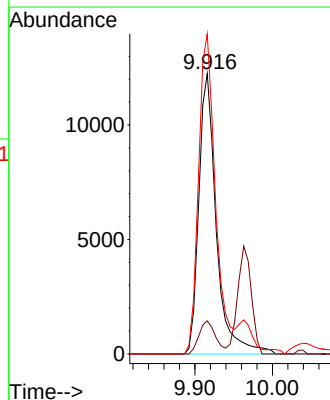
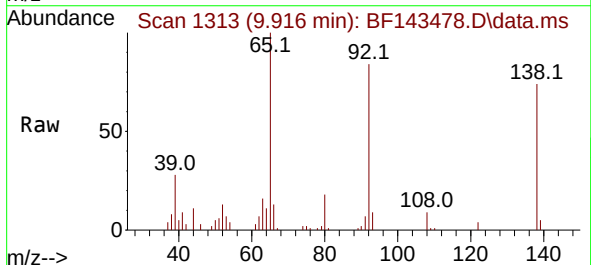
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

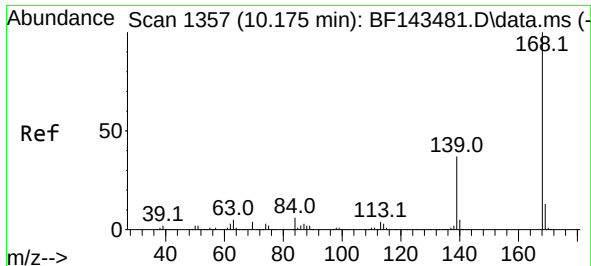
Tgt Ion:154 Resp: 86399
Ion Ratio Lower Upper
154 100
153 111.8 89.5 134.3
152 52.3 42.5 63.7



#53
3-Nitroaniline
Concen: 4.817 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

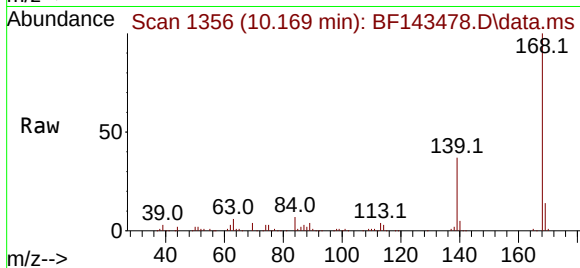
Tgt Ion:138 Resp: 19195
Ion Ratio Lower Upper
138 100
108 11.8 8.6 13.0
92 114.1 89.8 134.8



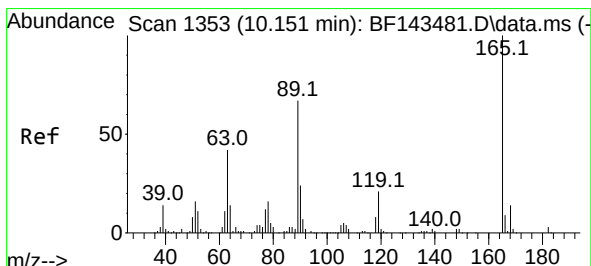
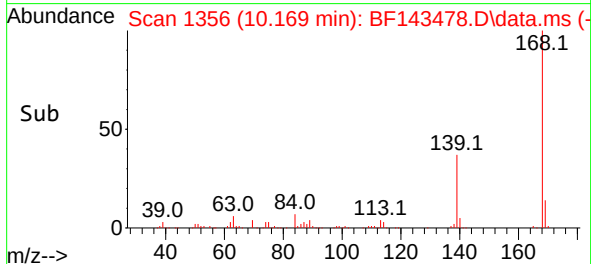
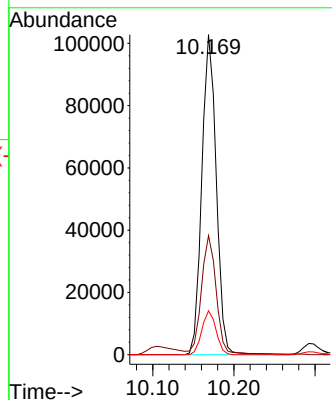


#55
Dibenzenofuran
Concen: 5.561 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

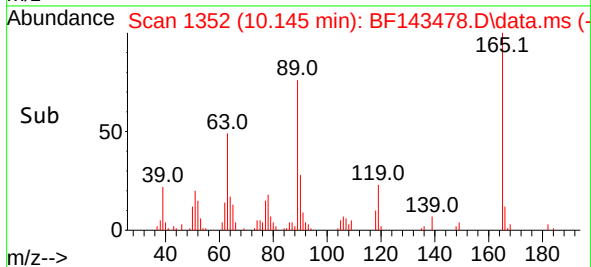
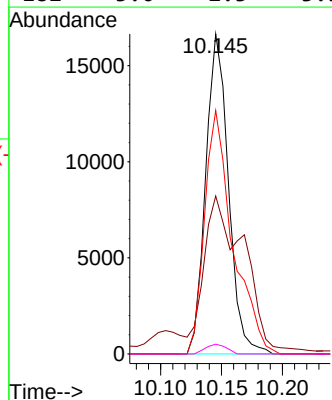
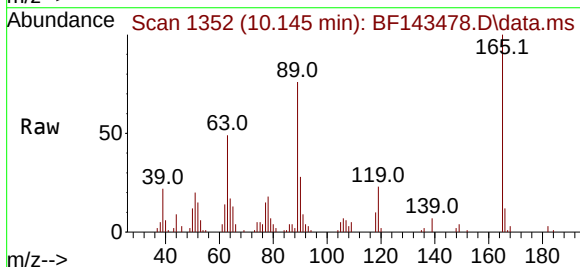


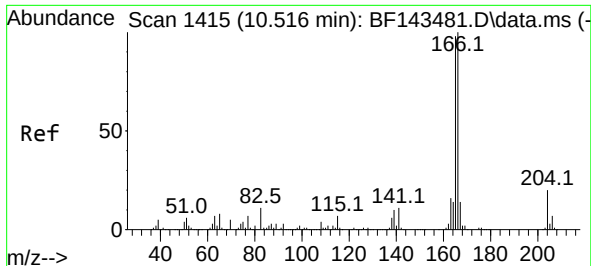
Tgt Ion:168 Resp: 126806
Ion Ratio Lower Upper
168 100
139 37.2 29.8 44.6
169 13.7 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 4.382 ng
RT: 10.145 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:165 Resp: 21578
Ion Ratio Lower Upper
165 100
63 49.3 34.9 52.3
89 76.0 53.3 79.9
182 3.0 2.3 3.5

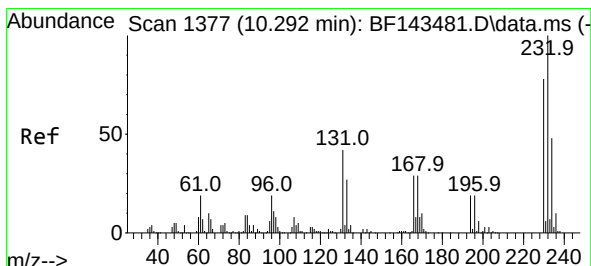
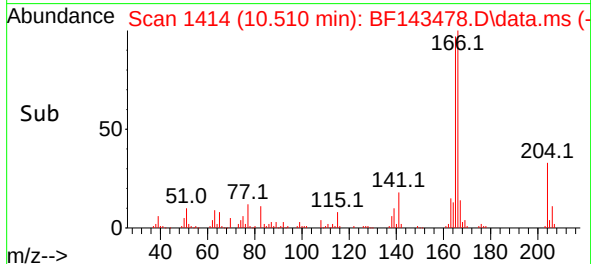
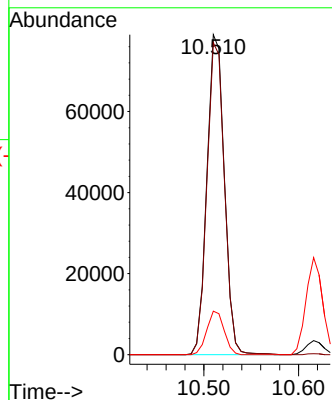
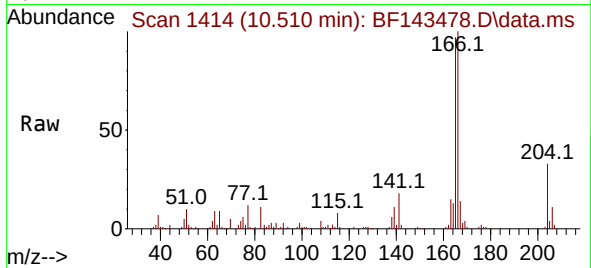




#58
Fluorene
Concen: 5.751 ng
RT: 10.510 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

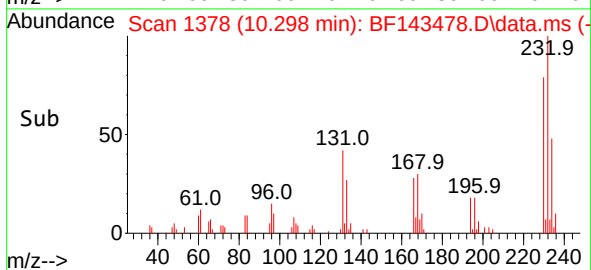
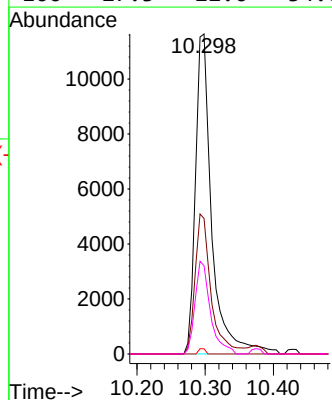
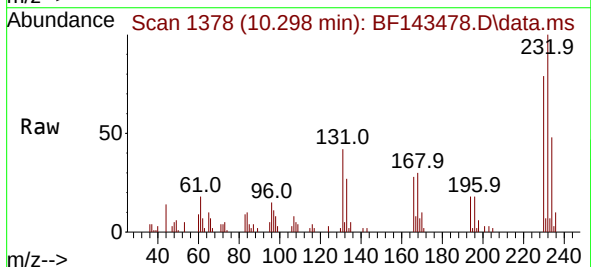
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

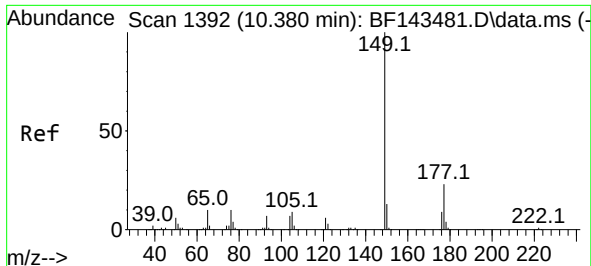
Tgt Ion:166 Resp: 100926
Ion Ratio Lower Upper
166 100
165 97.5 78.3 117.5
167 13.6 11.0 16.4



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.576 ng
RT: 10.298 min Scan# 1378
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:232 Resp: 19308
Ion Ratio Lower Upper
232 100
131 43.1 32.7 49.1
130 0.7 1.6 2.4#
166 27.3 22.6 34.0

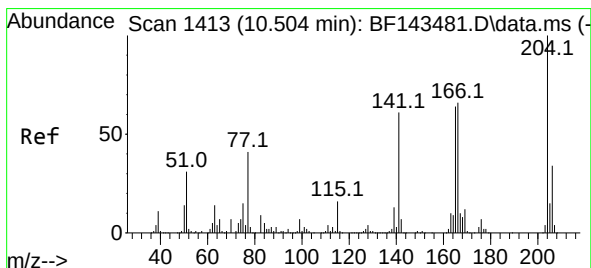
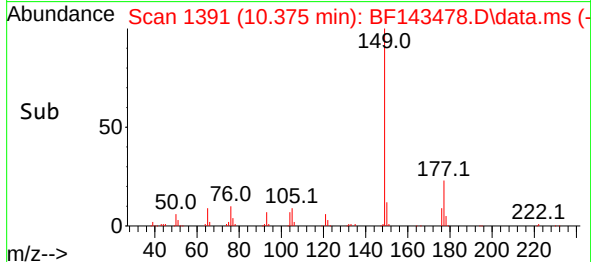
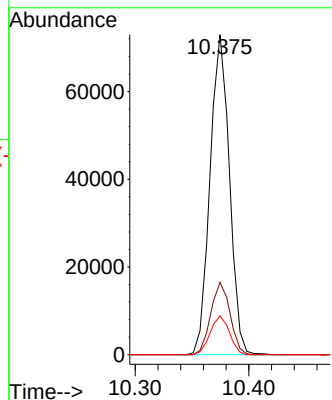
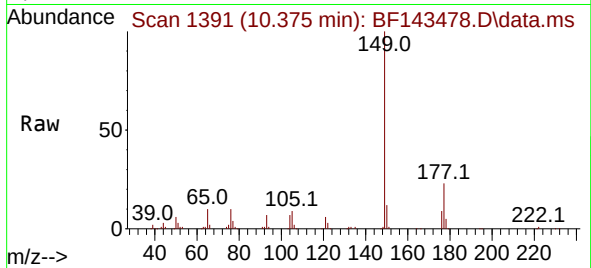




#60
Diethylphthalate
Concen: 5.425 ng
RT: 10.375 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

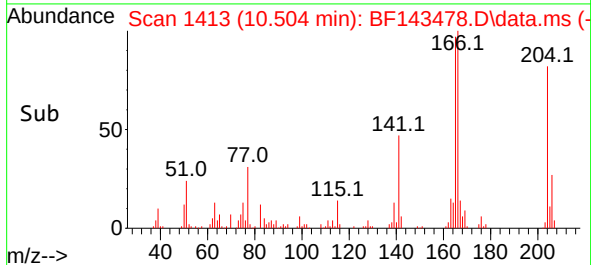
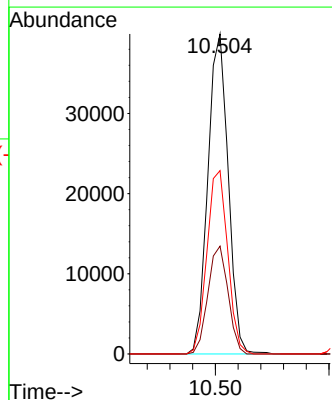
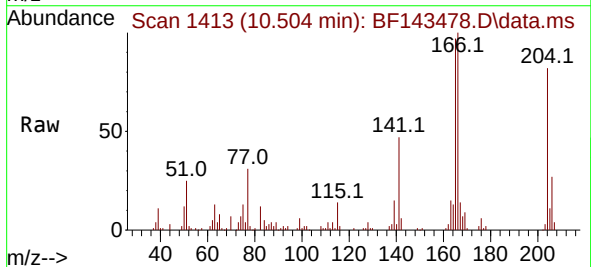
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

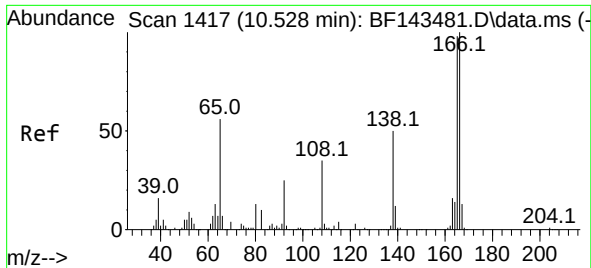
Tgt Ion:149 Resp: 86539
Ion Ratio Lower Upper
149 100
177 22.6 18.3 27.5
150 12.2 10.3 15.5



#61
4-Chlorophenyl-phenylether
Concen: 5.647 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:204 Resp: 49563
Ion Ratio Lower Upper
204 100
206 33.7 27.0 40.4
141 57.3 48.7 73.1

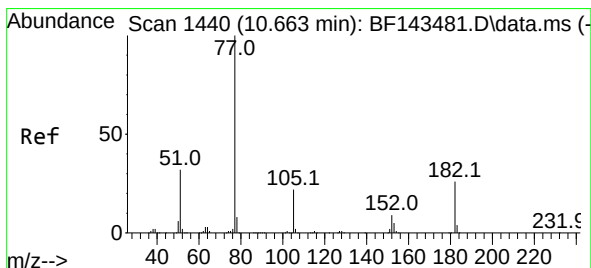
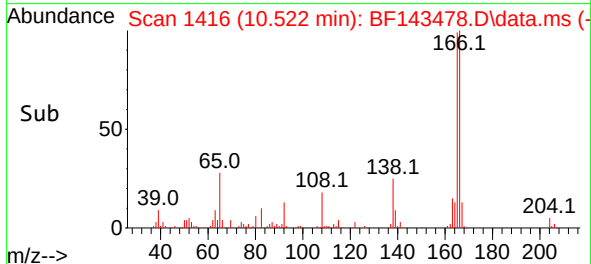
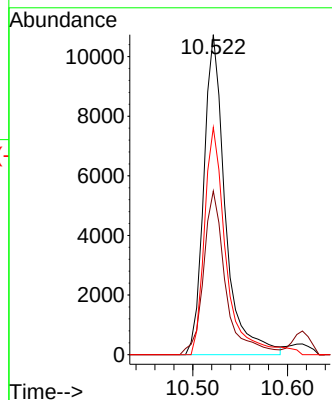
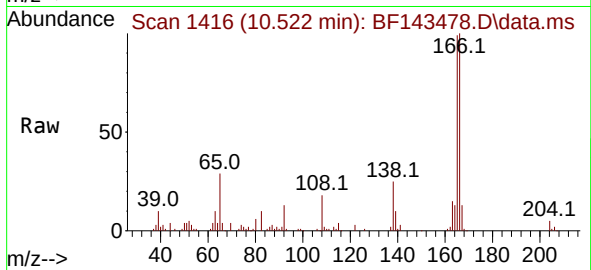




#62
4-Nitroaniline
Concen: 4.645 ng
RT: 10.522 min Scan# 1417
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

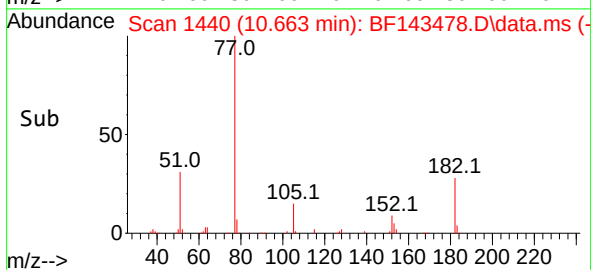
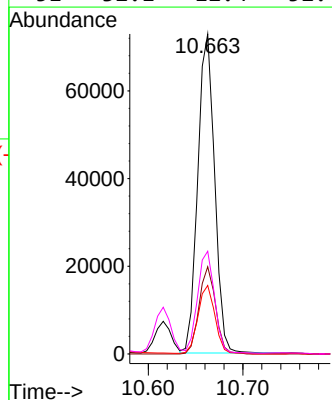
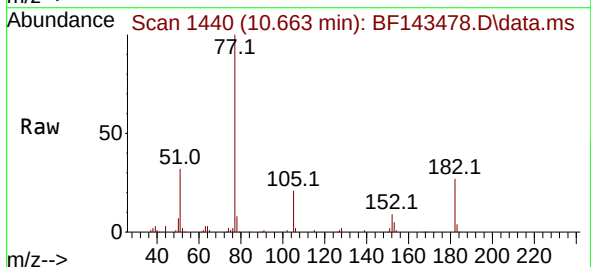
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

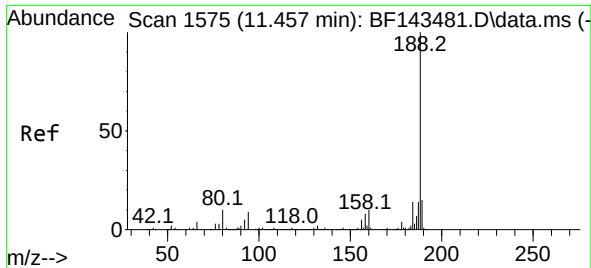
Tgt Ion:138 Resp: 16999
Ion Ratio Lower Upper
138 100
92 51.2 29.3 69.3
108 71.0 50.7 90.7



#63
Azobenzene
Concen: 5.452 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 77 Resp: 90174
Ion Ratio Lower Upper
77 100
182 27.3 6.2 46.2
105 21.4 2.2 42.2
51 32.1 12.4 52.4

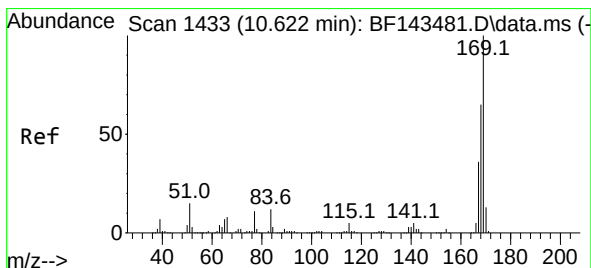
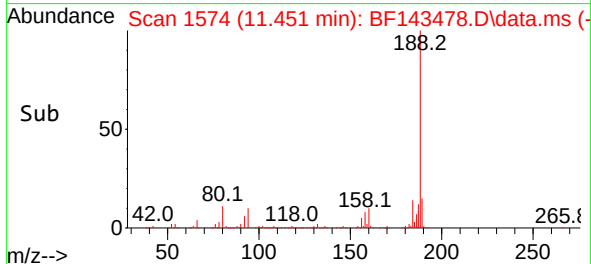
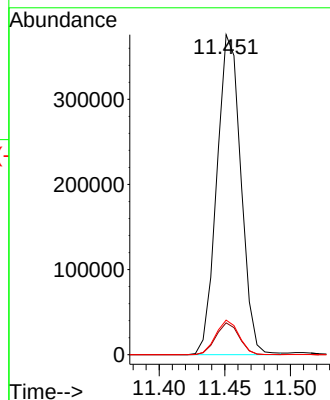
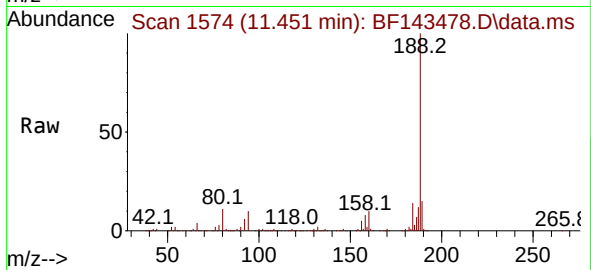




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

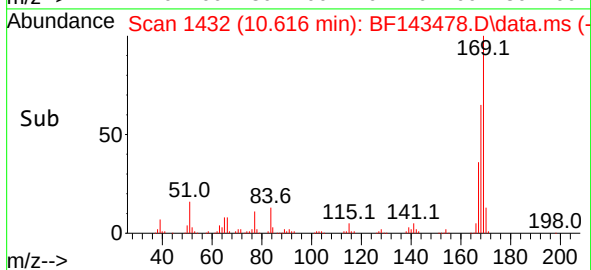
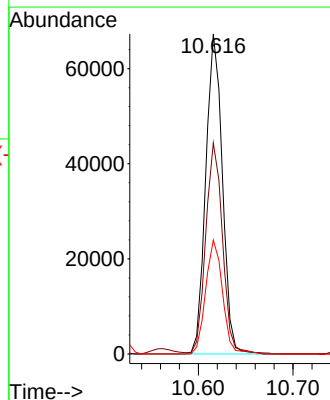
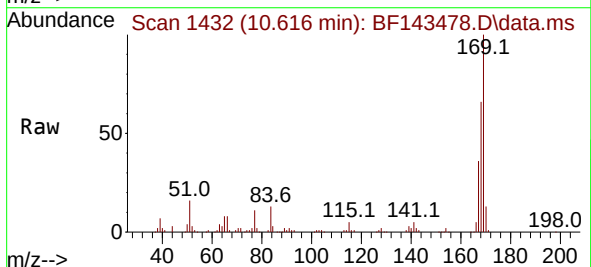
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

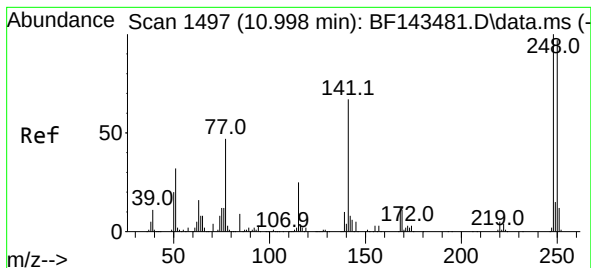
Tgt Ion:188 Resp: 479059
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.8 8.2 12.4



#66
n-Nitrosodiphenylamine
Concen: 5.314 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:169 Resp: 81920
Ion Ratio Lower Upper
169 100
168 66.0 52.4 78.6
167 35.6 28.9 43.3

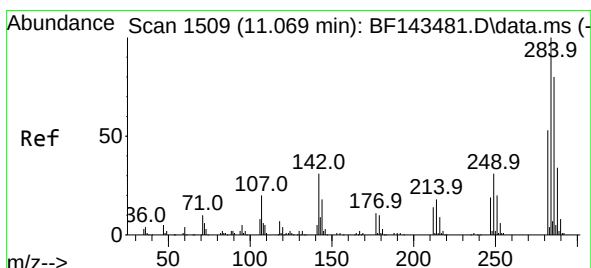
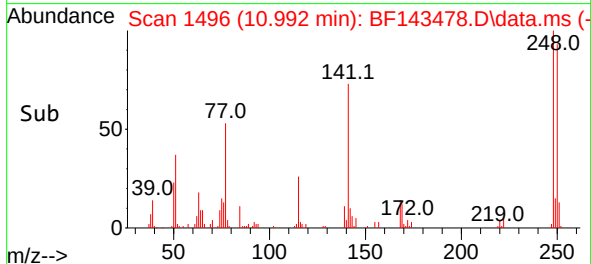
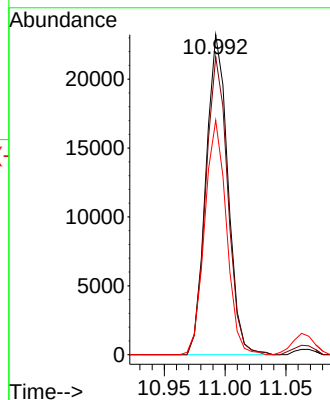
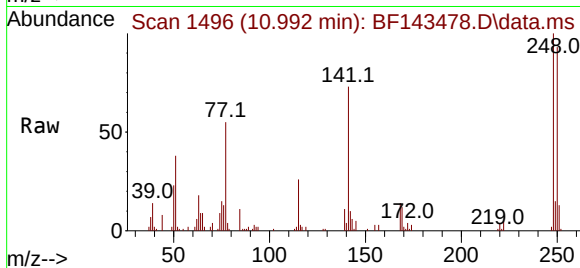




#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

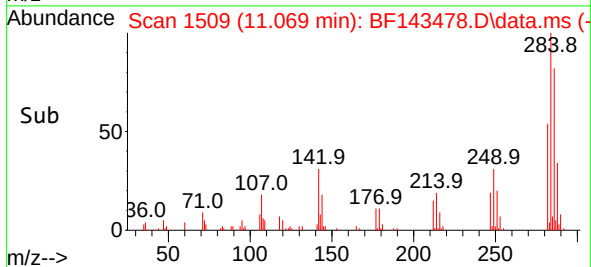
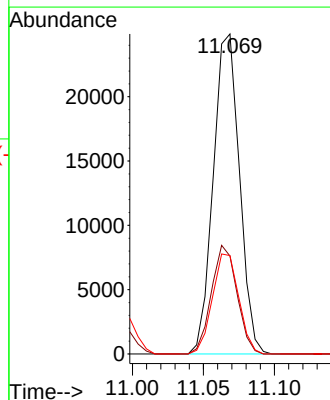
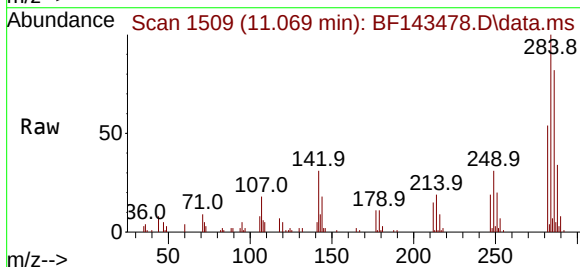
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

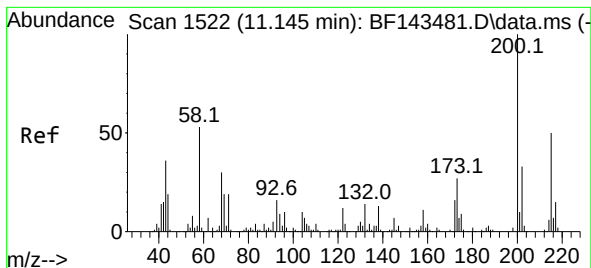
Tgt Ion:248 Resp: 29139
Ion Ratio Lower Upper
248 100
250 93.1 77.8 116.8
141 73.2 54.0 81.0



#68
Hexachlorobenzene
Concen: 5.178 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:284 Resp: 31905
Ion Ratio Lower Upper
284 100
142 30.6 24.4 36.6
249 30.7 25.0 37.6





#69

Atrazine

Concen: 4.637 ng

RT: 11.139 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

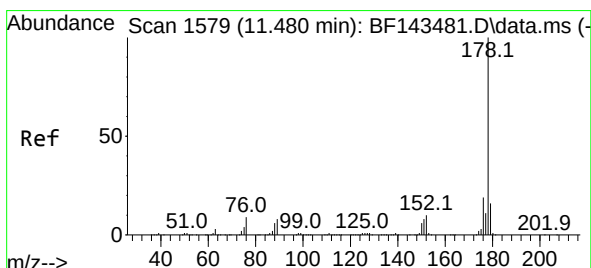
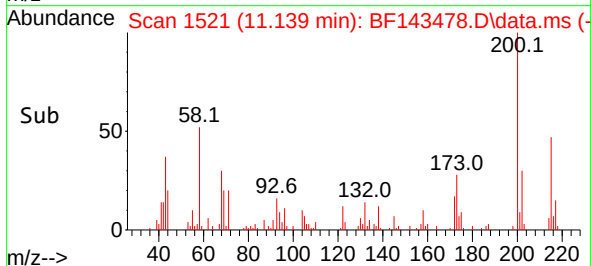
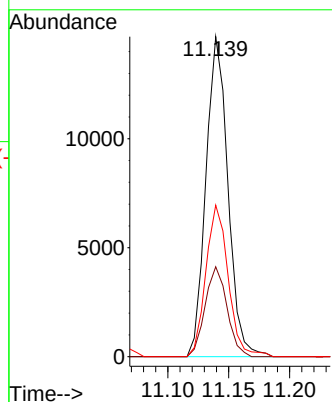
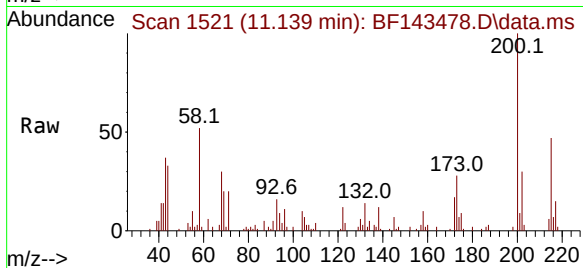
Tgt Ion:200 Resp: 18453

Ion Ratio Lower Upper

200 100

173 28.1 6.9 46.9

215 47.4 30.0 70.0



#71

Phenanthrene

Concen: 5.548 ng

RT: 11.475 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

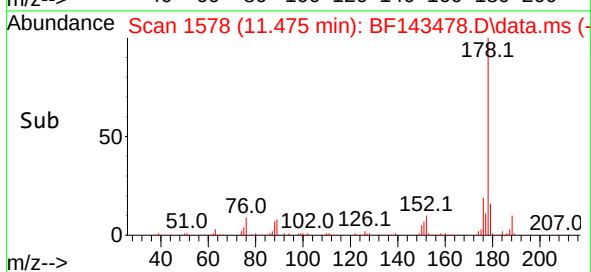
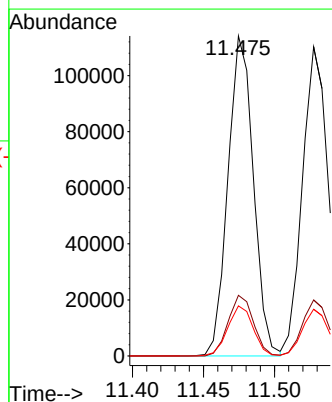
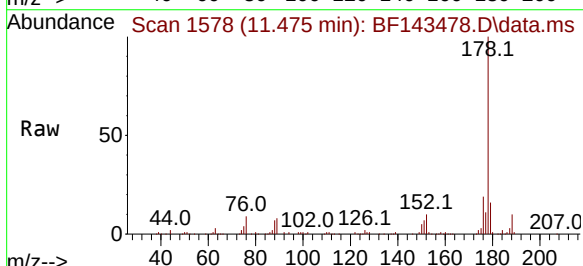
Tgt Ion:178 Resp: 142334

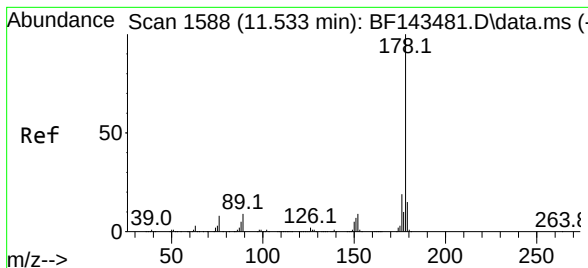
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.7 12.5 18.7





#72

Anthracene

Concen: 5.490 ng

RT: 11.528 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

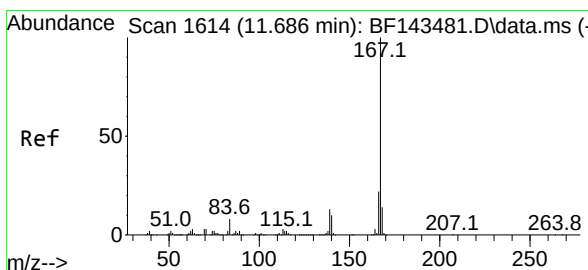
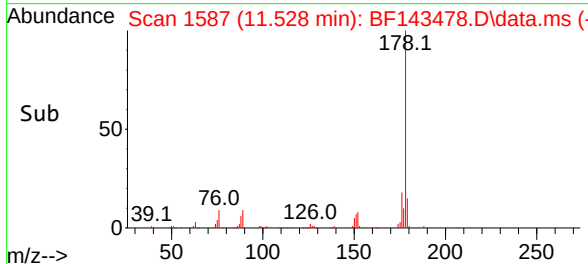
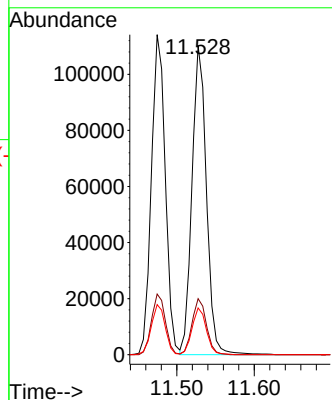
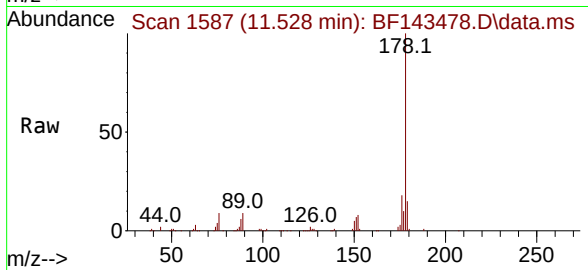
Tgt Ion:178 Resp: 142673

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

179 15.1 12.3 18.5



#73

Carbazole

Concen: 5.339 ng

RT: 11.686 min Scan# 1614

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

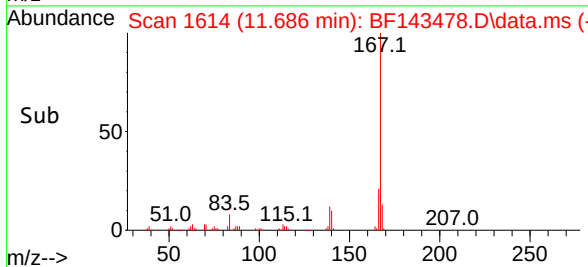
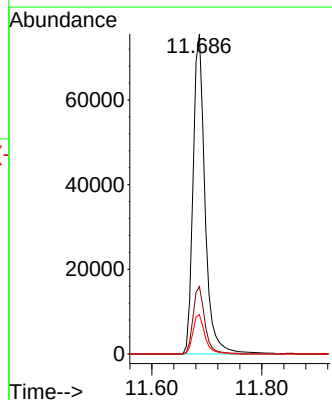
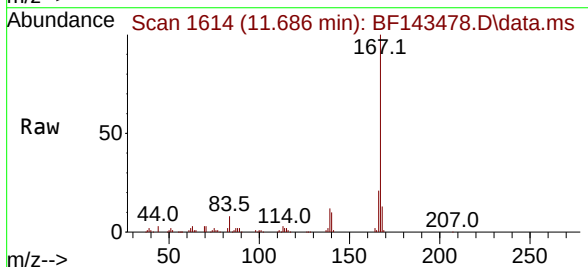
Tgt Ion:167 Resp: 113696

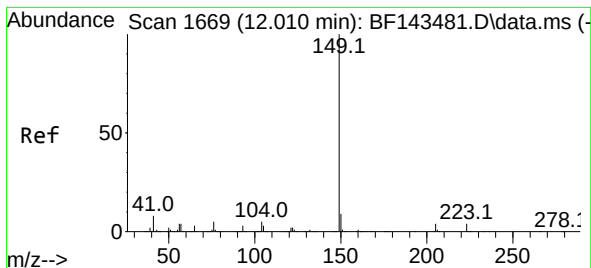
Ion Ratio Lower Upper

167 100

166 21.0 17.3 25.9

139 12.3 10.0 15.0

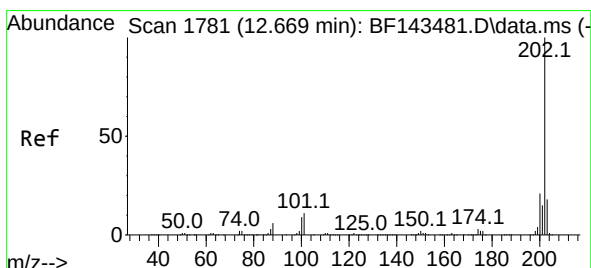
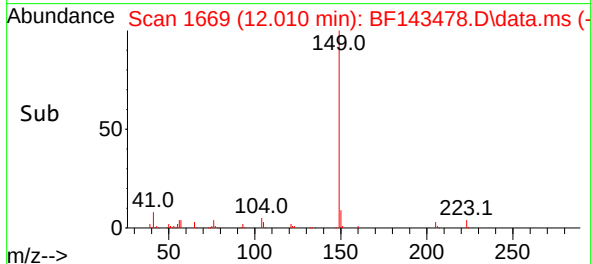
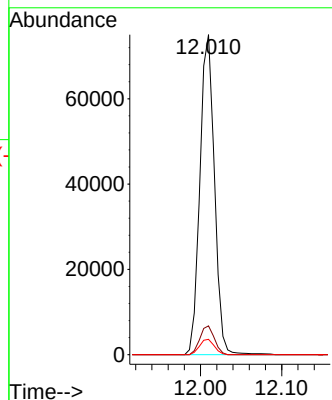
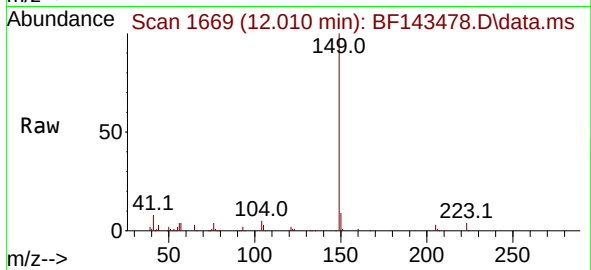




#74
Di-n-butylphthalate
Concen: 4.712 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

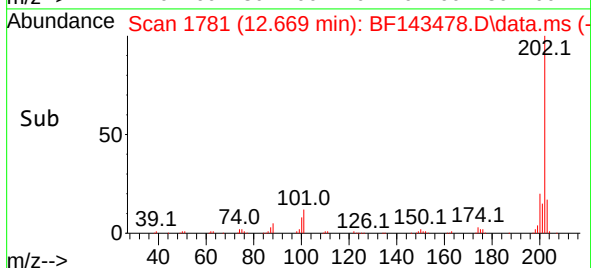
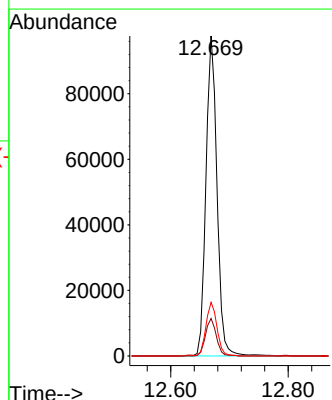
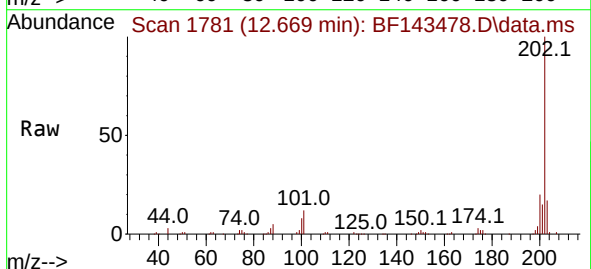
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

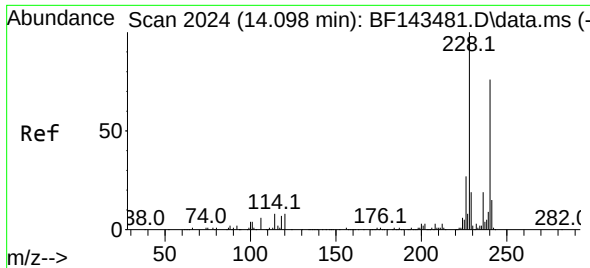
Tgt Ion:	149	Resp:	93617
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.2	10.8
104	4.8	3.6	5.4



#75
Fluoranthene
Concen: 5.518 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

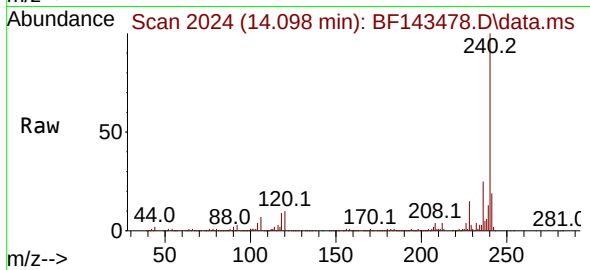
Tgt Ion:	202	Resp:	127015
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	31.3
203	16.7	0.0	37.9



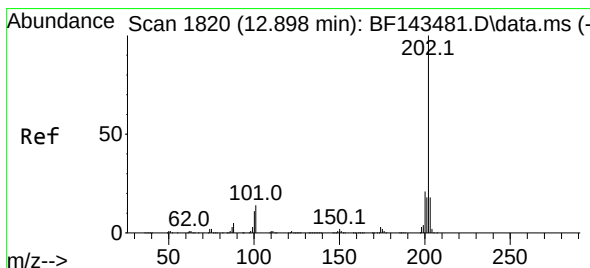
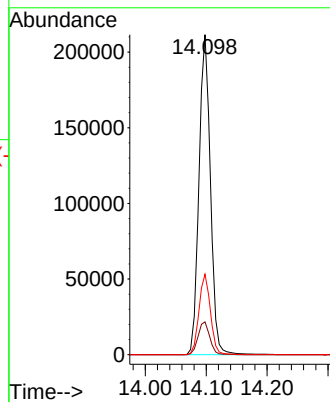
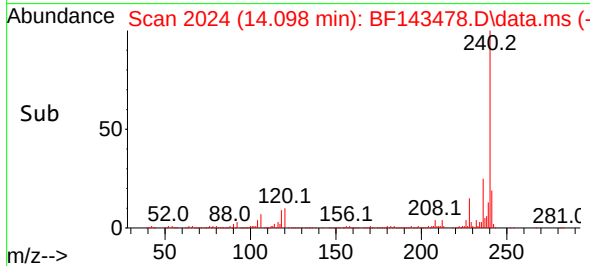


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

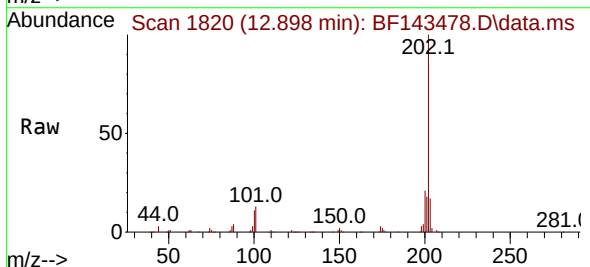
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



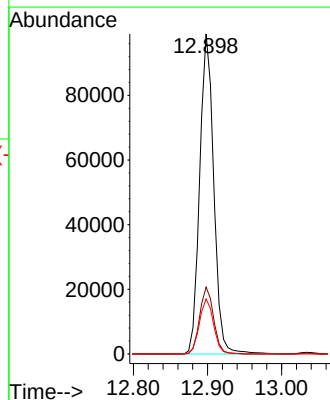
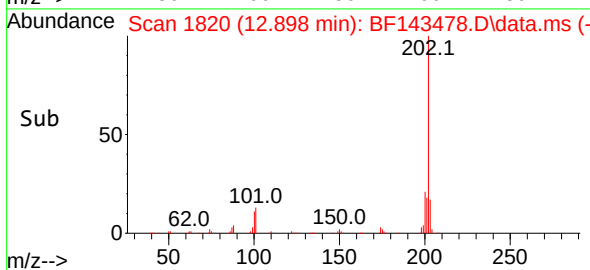
Tgt Ion:240 Resp: 275807
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 25.1 20.4 30.6

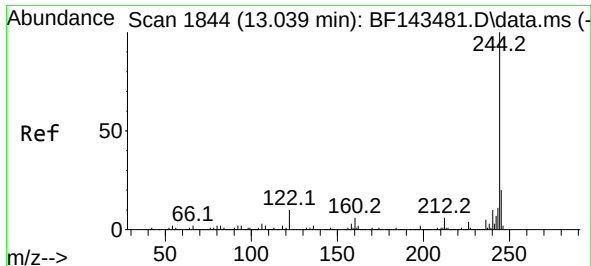


#78
Pyrene
Concen: 5.748 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25



Tgt Ion:202 Resp: 130407
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.2 14.3 21.5

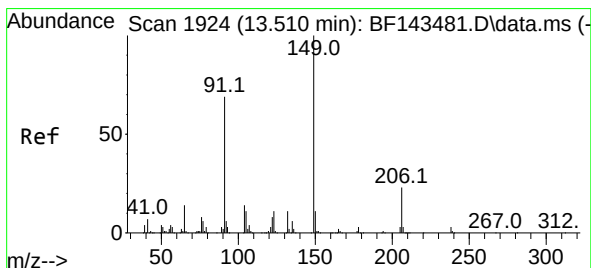
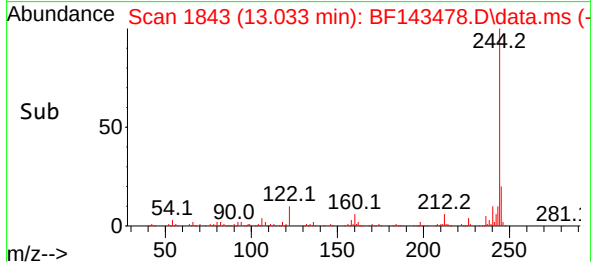
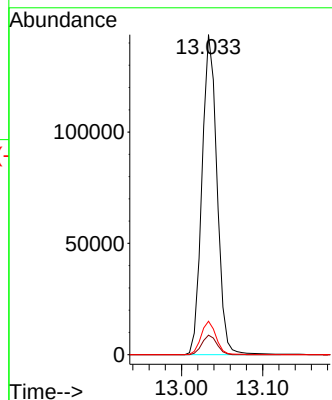
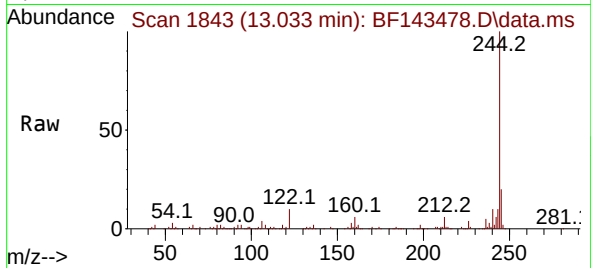




#79
 Terphenyl-d14
 Concen: 11.698 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

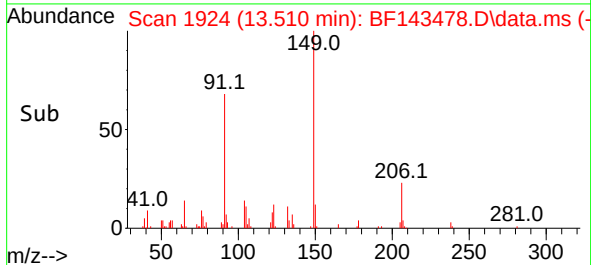
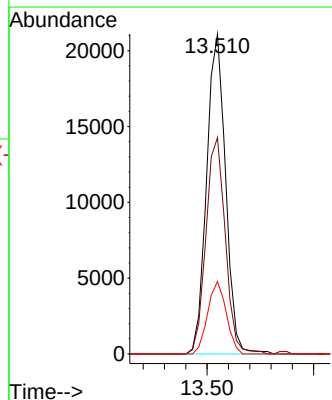
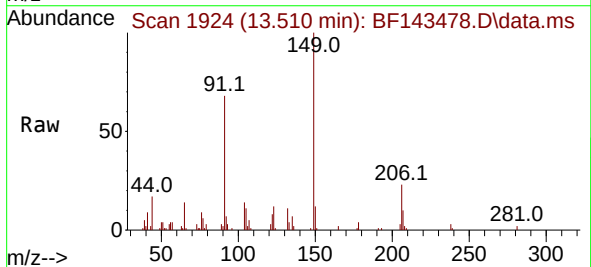
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

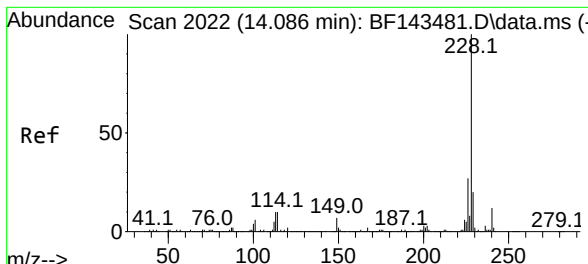
Tgt Ion:244 Resp: 184897
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.2 7.8
 122 10.4 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 4.223 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

Tgt Ion:149 Resp: 26173
 Ion Ratio Lower Upper
 149 100
 91 67.6 55.3 82.9
 206 22.6 18.2 27.4



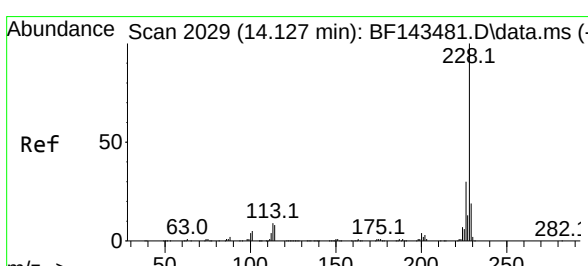
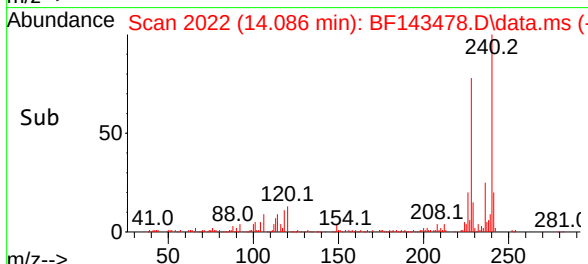
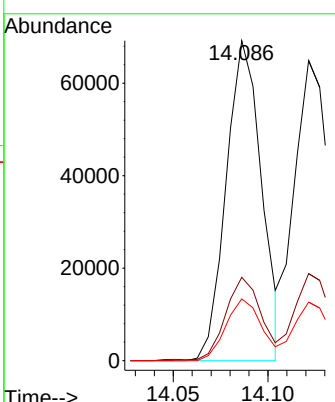
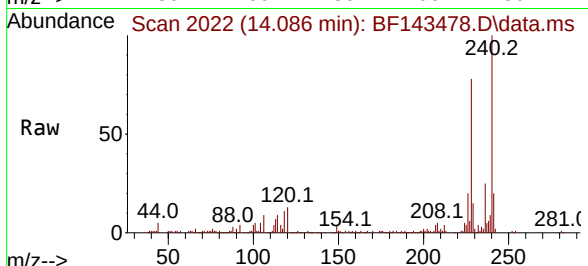


#81
 Benzo(a)anthracene
 Concen: 5.055 ng
 RT: 14.086 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

Instrument : BNA_F
 ClientSampleId : SSTDICC005

Tgt Ion:228 Resp: 89757

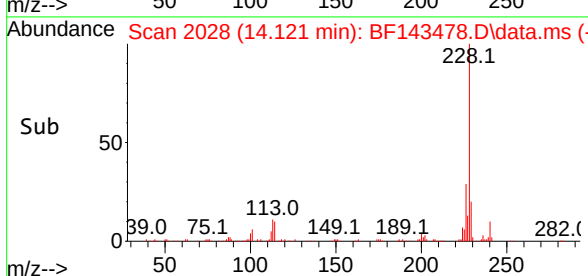
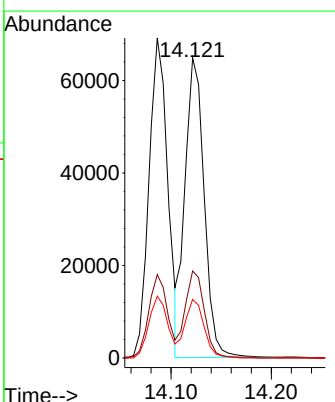
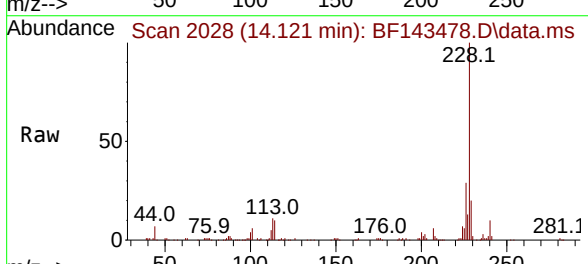
Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.7	32.5
229	19.3	15.7	23.5

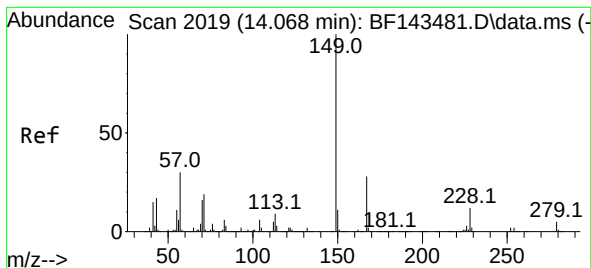


#83
 Chrysene
 Concen: 5.408 ng
 RT: 14.121 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

Tgt Ion:228 Resp: 86291

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	19.5	15.7	23.5

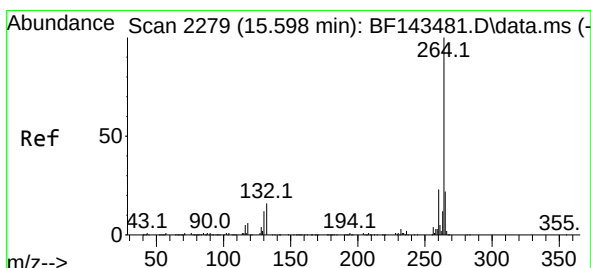
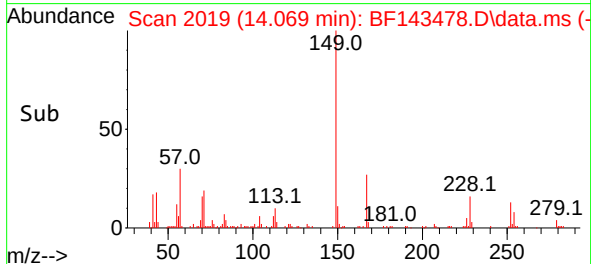
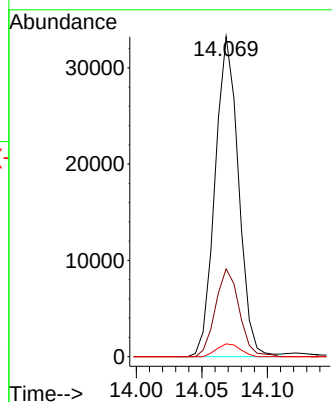
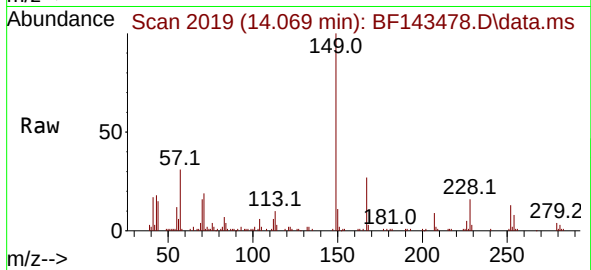




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.380 ng
 RT: 14.069 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

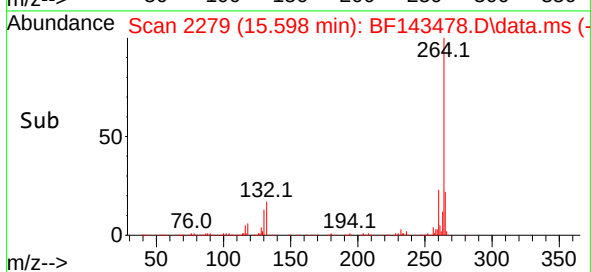
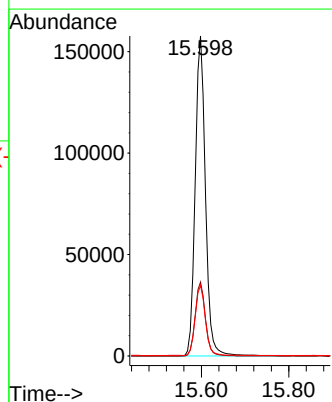
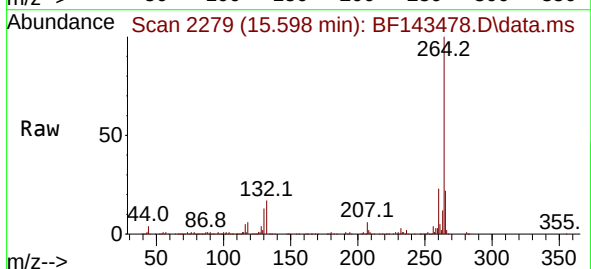
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

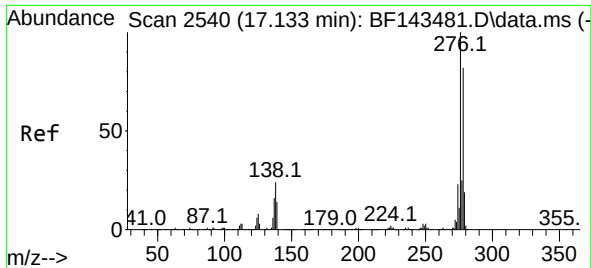
Tgt Ion:149 Resp: 41348
 Ion Ratio Lower Upper
 149 100
 167 27.5 22.2 33.2
 279 4.0 3.6 5.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.598 min Scan# 2279
 Delta R.T. 0.000 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

Tgt Ion:264 Resp: 257255
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 22.0 17.6 26.4

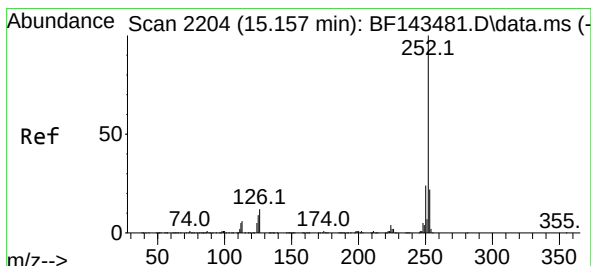
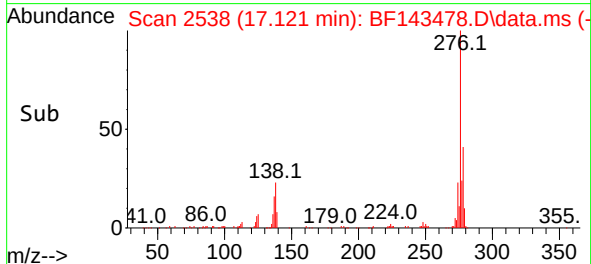
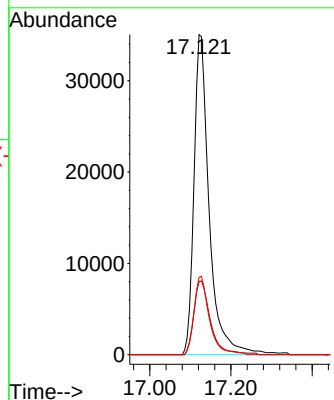
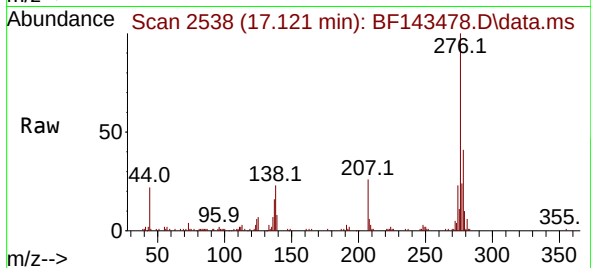




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.958 ng
 RT: 17.121 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

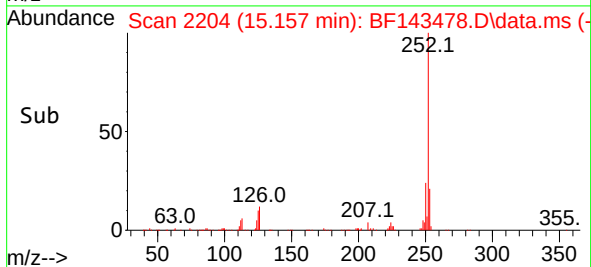
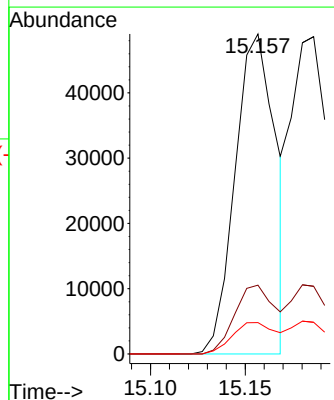
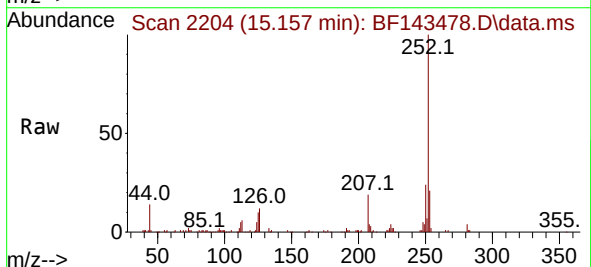
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

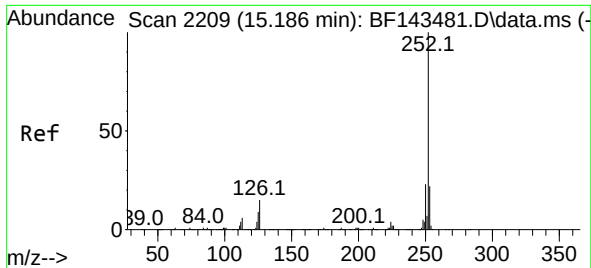
Tgt Ion:276 Resp: 91654
 Ion Ratio Lower Upper
 276 100
 138 24.9 19.2 28.8
 277 24.6 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 5.104 ng
 RT: 15.157 min Scan# 2204
 Delta R.T. 0.000 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

Tgt Ion:252 Resp: 72988
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.5 26.3
 125 9.8 7.4 11.0

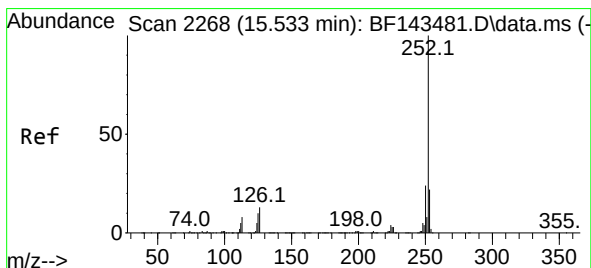
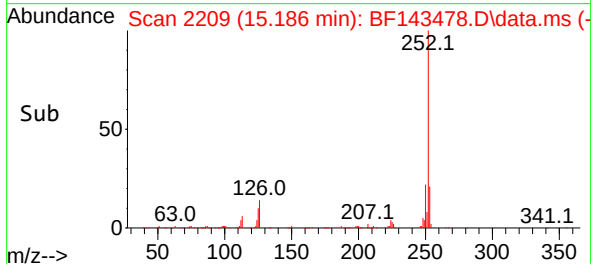
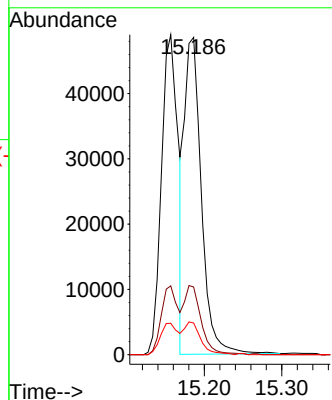
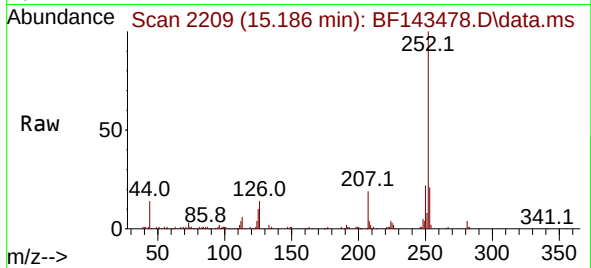




#89
Benzo(k)fluoranthene
Concen: 5.437 ng
RT: 15.186 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

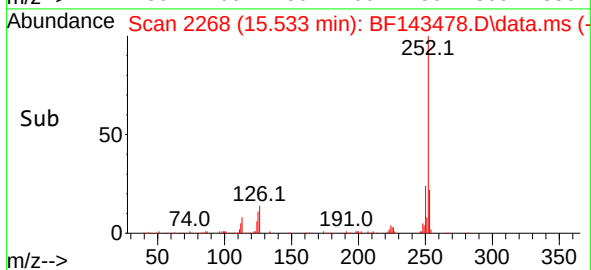
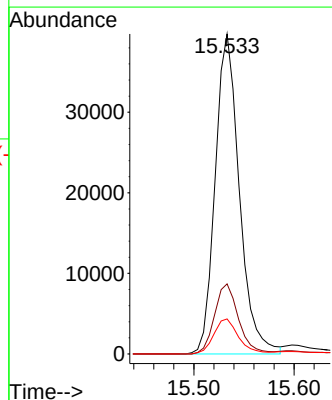
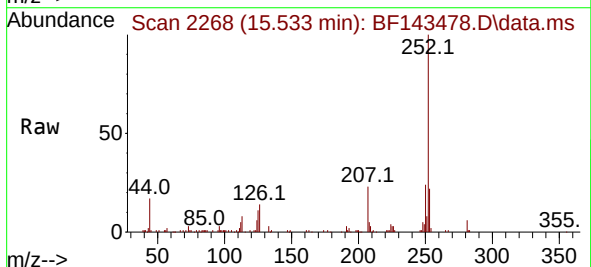
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

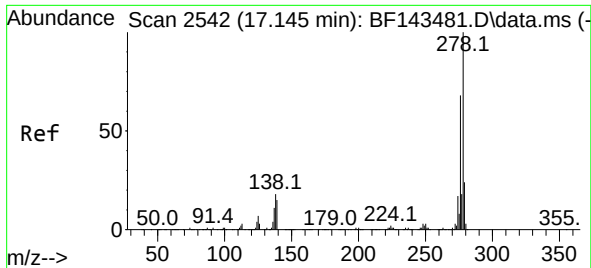
Tgt Ion:252 Resp: 74440
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 10.0 7.4 11.0



#90
Benzo(a)pyrene
Concen: 5.004 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:252 Resp: 66416
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 10.9 8.2 12.2

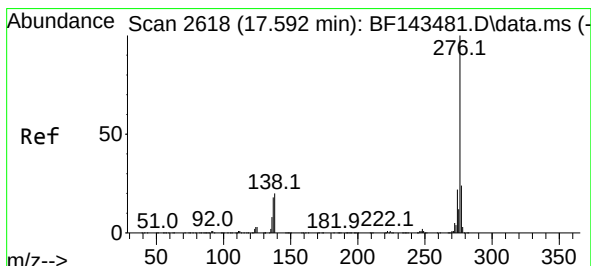
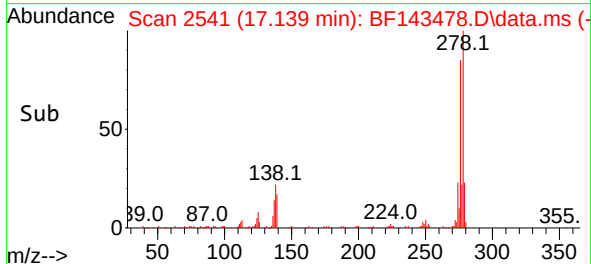
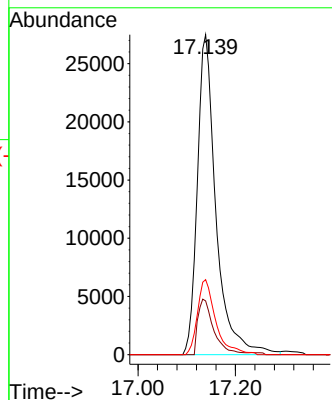
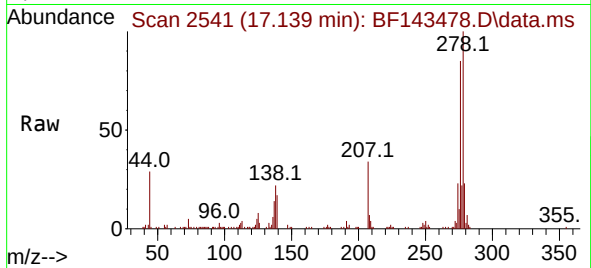




#91
 Dibenzo(a,h)anthracene
 Concen: 4.946 ng
 RT: 17.139 min Scan# 2541
 Delta R.T. -0.018 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

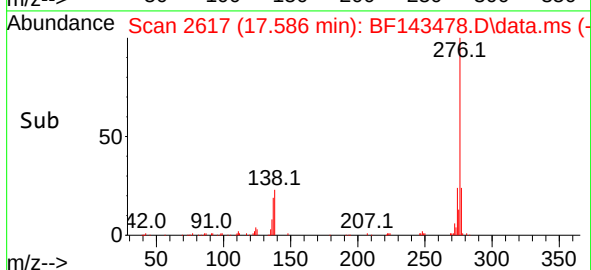
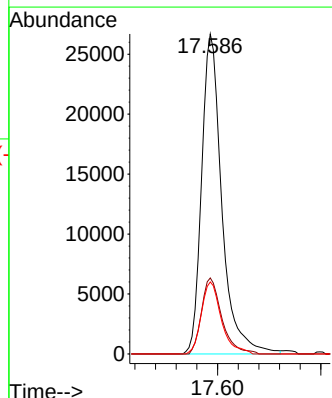
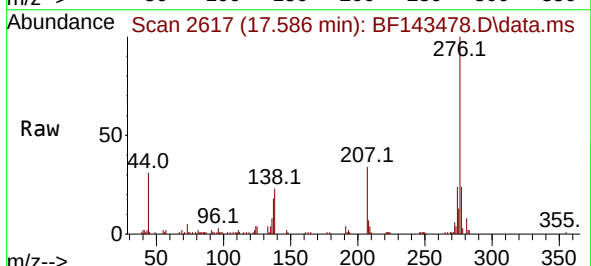
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Tgt Ion:278 Resp: 73229
 Ion Ratio Lower Upper
 278 100
 139 16.8 12.1 18.1
 279 23.4 19.2 28.8



#92
 Benzo(g,h,i)perylene
 Concen: 4.928 ng
 RT: 17.586 min Scan# 2617
 Delta R.T. -0.018 min
 Lab File: BF143478.D
 Acq: 20 Aug 2025 11:25

Tgt Ion:276 Resp: 72556
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.9 28.3
 138 22.5 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143479.D
 Acq On : 20 Aug 2025 11:54
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 20 16:20:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	138225	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	525191	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	291754	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	461672	20.000	ng	0.00
76) Chrysene-d12	14.098	240	274933	20.000	ng	0.00
86) Perylene-d12	15.598	264	265385	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	165533	20.911	ng	0.00
7) Phenol-d6	6.557	99	201752	20.646	ng	-0.02
23) Nitrobenzene-d5	7.481	82	181268	20.141	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	54980	20.244	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	389874	22.085	ng	0.00
79) Terphenyl-d14	13.033	244	344924	21.893	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	36526	9.961	ng	99
3) Pyridine	3.540	79	96225	9.852	ng	99
4) n-Nitrosodimethylamine	3.451	42	41741	9.507	ng	# 97
6) Aniline	6.587	93	136107	10.420	ng	98
8) 2-Chlorophenol	6.716	128	88766	10.152	ng	98
9) Benzaldehyde	6.475	77	69636	8.802	ng	99
10) Phenol	6.569	94	117160	10.408	ng	82
11) bis(2-Chloroethyl)ether	6.651	93	84985	10.102	ng	97
12) 1,3-Dichlorobenzene	6.869	146	100273	10.207	ng	100
13) 1,4-Dichlorobenzene	6.945	146	102802	10.432	ng	97
14) 1,2-Dichlorobenzene	7.098	146	97628	10.464	ng	99
15) Benzyl Alcohol	7.063	79	71642	9.792	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	145437	10.806	ng	99
17) 2-Methylphenol	7.181	107	71996	10.260	ng	95
18) Hexachloroethane	7.439	117	34428	10.276	ng	98
19) n-Nitroso-di-n-propyla...	7.328	70	63026	10.552	ng	98
20) 3+4-Methylphenols	7.334	107	92430	11.034	ng	99
22) Acetophenone	7.328	105	121914	10.745	ng	97
24) Nitrobenzene	7.504	77	92261	9.960	ng	99
25) Isophorone	7.739	82	165391	10.025	ng	99
26) 2-Nitrophenol	7.822	139	43444	9.575	ng	98
27) 2,4-Dimethylphenol	7.857	122	71477	10.105	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	104720	10.329	ng	98
29) 2,4-Dichlorophenol	8.069	162	78518	10.394	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	78780	10.143	ng	100
31) Naphthalene	8.228	128	264837	10.503	ng	100
32) Benzoic acid	7.957	122	22608	10.817	ng	96
33) 4-Chloroaniline	8.281	127	90644	10.129	ng	98
34) Hexachlorobutadiene	8.351	225	52299	10.321	ng	99
35) Caprolactam	8.616	113	16494	9.099	ng	98
36) 4-Chloro-3-methylphenol	8.757	107	76657	10.126	ng	99
37) 2-Methylnaphthalene	8.922	142	179574	10.663	ng	99
38) 1-Methylnaphthalene	9.022	142	170845	10.606	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	85181	10.207	ng	99
41) Hexachlorocyclopentadiene	9.080	237	14243	10.484	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	50602	9.854	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143479.D
 Acq On : 20 Aug 2025 11:54
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

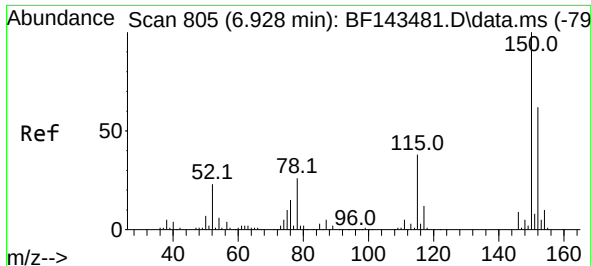
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	54832	9.775	ng	97
46) 1,1'-Biphenyl	9.380	154	219538	10.602	ng	98
47) 2-Chloronaphthalene	9.410	162	169967	10.461	ng	99
48) 2-Nitroaniline	9.504	65	45630	9.596	ng	97
49) Acenaphthylene	9.827	152	242638	10.429	ng	99
50) Dimethylphthalate	9.675	163	177820	10.120	ng	99
51) 2,6-Dinitrotoluene	9.739	165	34570	9.493	ng	98
52) Acenaphthene	9.998	154	164918	10.441	ng	100
53) 3-Nitroaniline	9.910	138	37475	9.523	ng	97
54) 2,4-Dinitrophenol	10.027	184	10431	10.295	ng	87
55) Dibenzofuran	10.169	168	237099	10.528	ng	99
56) 4-Nitrophenol	10.092	139	16733	7.146	ng	98
57) 2,4-Dinitrotoluene	10.145	165	46361	9.534	ng	96
58) Fluorene	10.510	166	187535	10.820	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	38561	9.253	ng	# 98
60) Diethylphthalate	10.375	149	160006	10.156	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	90965	10.494	ng	97
62) 4-Nitroaniline	10.522	138	34518	9.550	ng	98
63) Azobenzene	10.663	77	168373	10.307	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	19659	7.552	ng	95
66) n-Nitrosodiphenylamine	10.616	169	152607	10.271	ng	98
67) 4-Bromophenyl-phenylether	10.992	248	55324	10.043	ng	98
68) Hexachlorobenzene	11.069	284	60577	10.202	ng	98
69) Atrazine	11.139	200	36074	9.406	ng	98
70) Pentachlorophenol	11.269	266	20373	7.492	ng	98
71) Phenanthrene	11.474	178	259254	10.486	ng	99
72) Anthracene	11.527	178	263998	10.541	ng	99
73) Carbazole	11.680	167	213439	10.400	ng	99
74) Di-n-butylphthalate	12.010	149	184596	9.642	ng	99
75) Fluoranthene	12.668	202	235543	10.618	ng	99
77) Benzidine	12.786	184	84040	12.549	ng	99
78) Pyrene	12.898	202	243049	10.747	ng	98
80) Butylbenzylphthalate	13.510	149	55227	8.939	ng	97
81) Benzo(a)anthracene	14.086	228	175192	9.898	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	48491	9.566	ng	97
83) Chrysene	14.121	228	164205	10.323	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	86065	9.146	ng	99
85) Di-n-octyl phthalate	14.680	149	155239	8.906	ng	100
87) Indeno(1,2,3-cd)pyrene	17.121	276	190133	9.970	ng	99
88) Benzo(b)fluoranthene	15.151	252	152145	10.314	ng	99
89) Benzo(k)fluoranthene	15.180	252	134513	9.524	ng	99
90) Benzo(a)pyrene	15.533	252	135536	9.898	ng	100
91) Dibenzo(a,h)anthracene	17.133	278	154454	10.113	ng	99
92) Benzo(g,h,i)perylene	17.580	276	149813	9.865	ng	99

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

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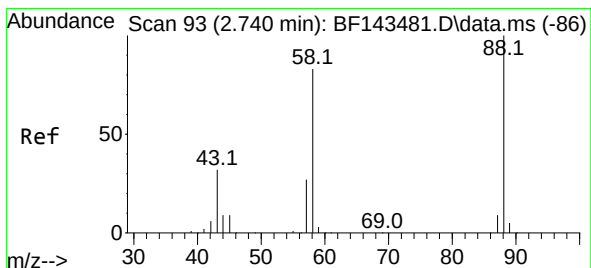
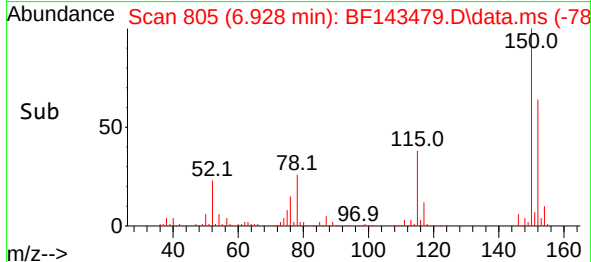
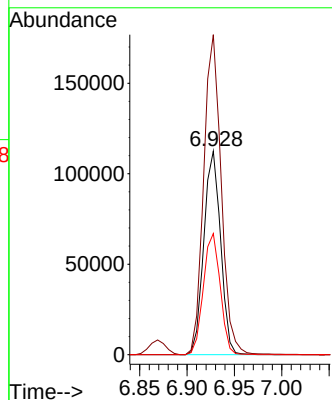
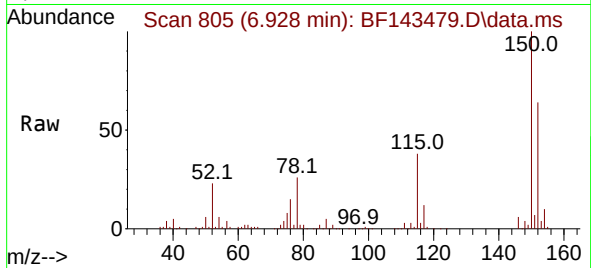
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

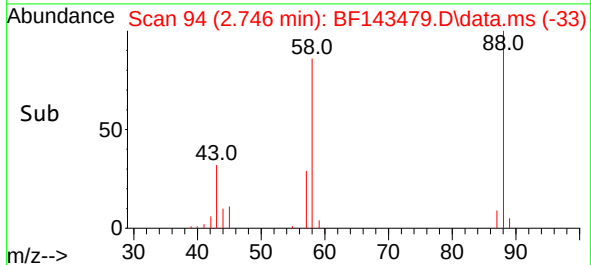
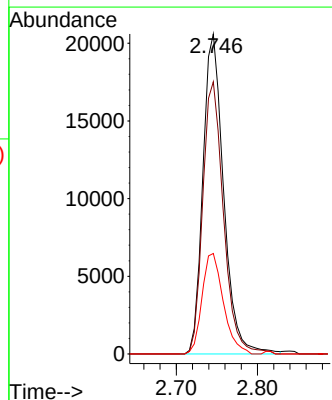
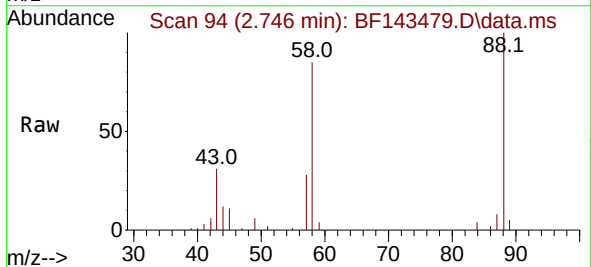
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ClientSampleId :
SSTDICC010

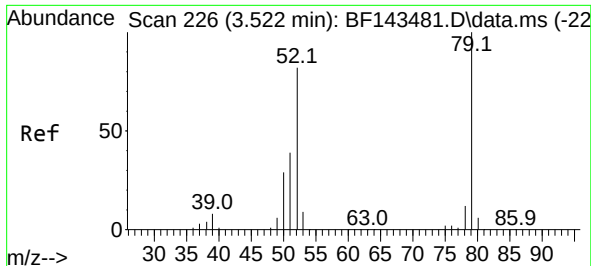
Tgt Ion:152 Resp: 138225
Ion Ratio Lower Upper
152 100
150 157.2 128.9 193.3
115 59.5 49.2 73.8



#2
1,4-Dioxane
Concen: 9.961 ng
RT: 2.746 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 88 Resp: 36526
Ion Ratio Lower Upper
88 100
58 84.9 66.7 100.1
43 32.3 25.8 38.8





#3

Pyridine

Concen: 9.852 ng

RT: 3.540 min Scan# 214

Delta R.T. 0.023 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

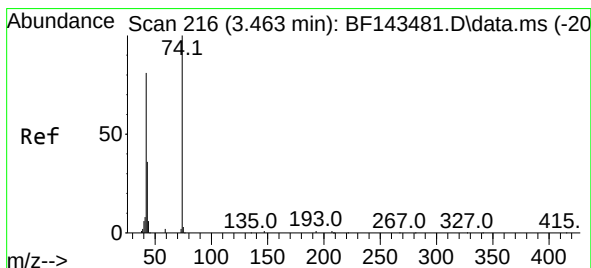
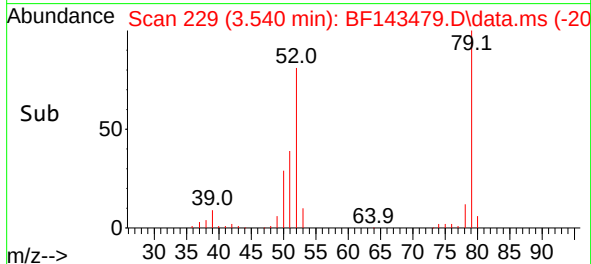
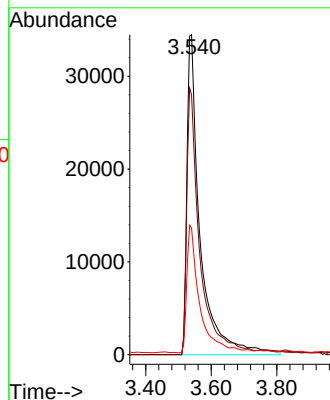
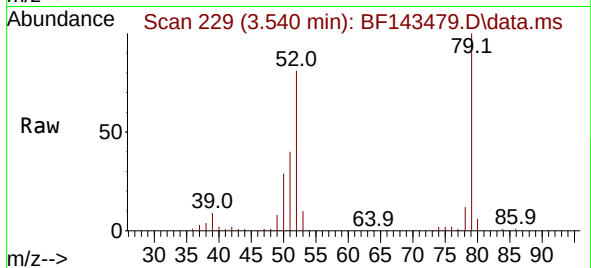
Tgt Ion: 79 Resp: 96225

Ion Ratio Lower Upper

79 100

52 81.2 65.6 98.4

51 39.6 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 9.507 ng

RT: 3.451 min Scan# 214

Delta R.T. -0.024 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

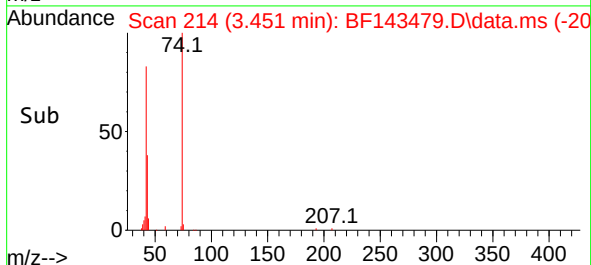
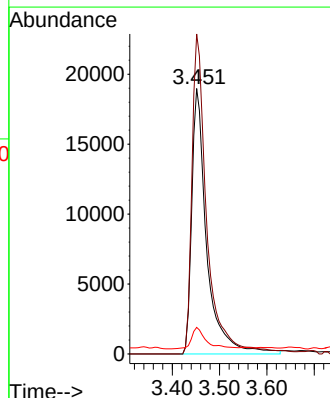
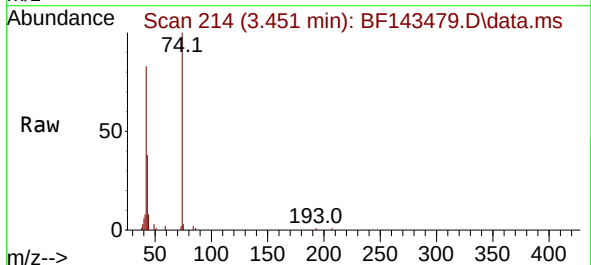
Tgt Ion: 42 Resp: 41741

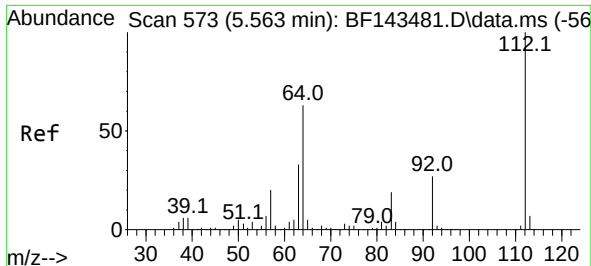
Ion Ratio Lower Upper

42 100

74 120.6 98.6 148.0

44 10.0 5.8 8.8

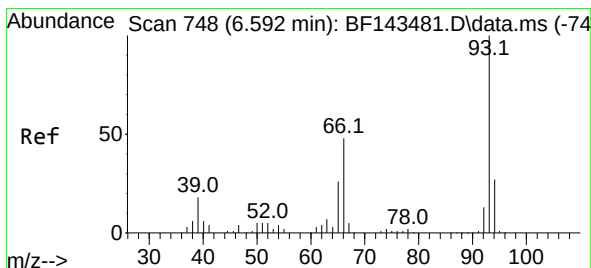
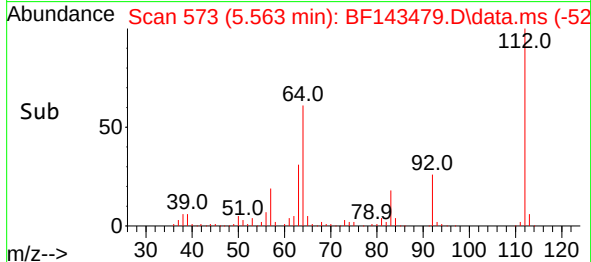
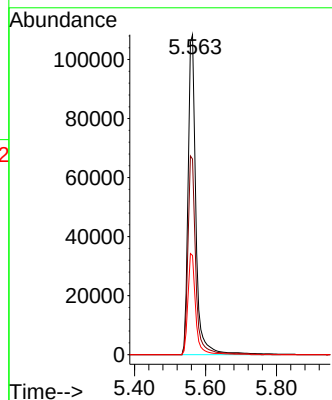
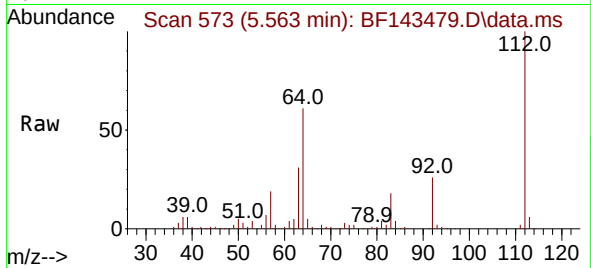




#5
2-Fluorophenol
Concen: 20.911 ng
RT: 5.563 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

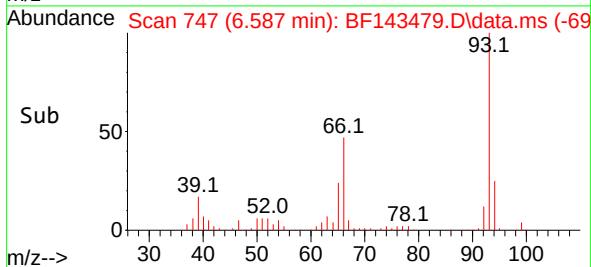
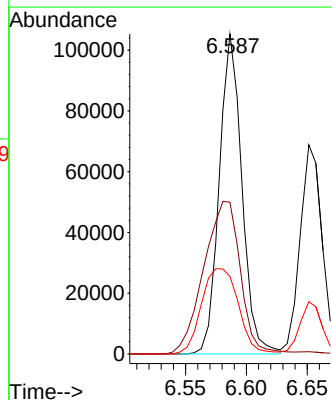
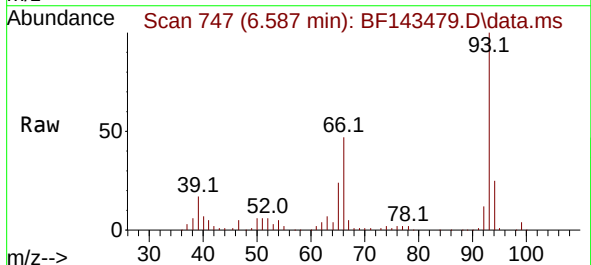
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

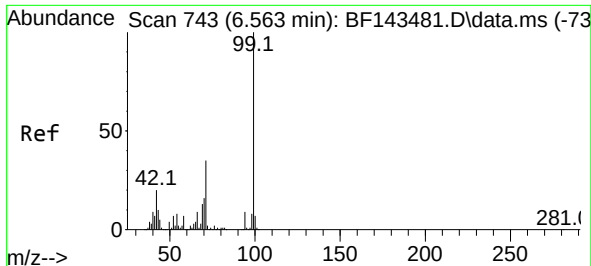
Tgt Ion:112 Resp: 165533
Ion Ratio Lower Upper
112 100
64 61.1 50.4 75.6
63 31.0 26.4 39.6



#6
Aniline
Concen: 10.420 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 93 Resp: 136107
Ion Ratio Lower Upper
93 100
66 47.4 38.9 58.3
65 24.2 20.6 30.8

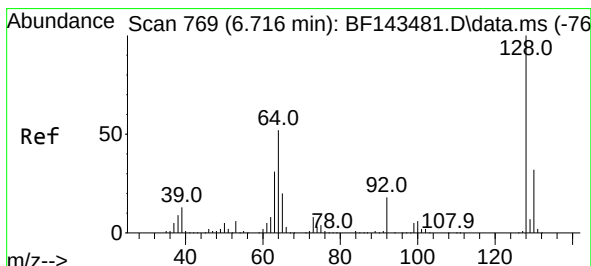
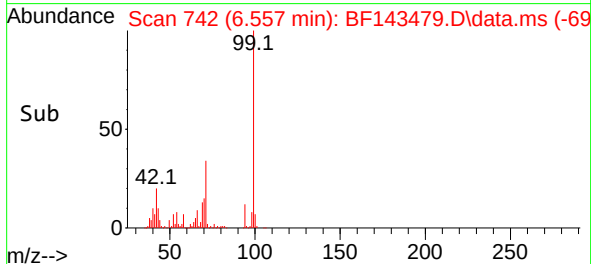
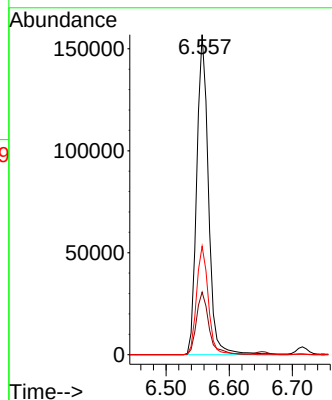
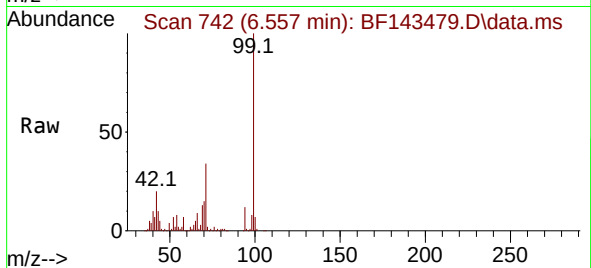




#7
Phenol-d6
Concen: 20.646 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

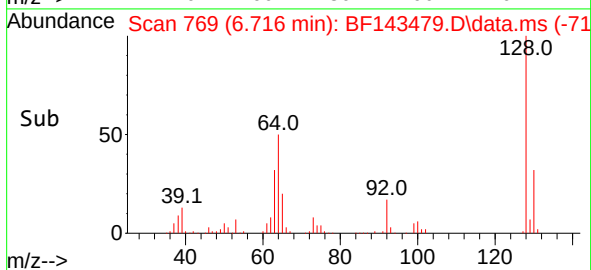
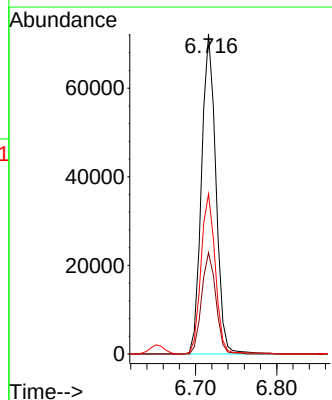
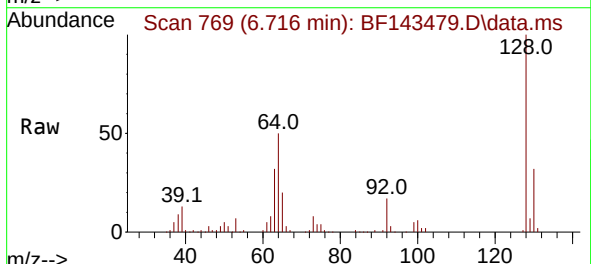
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ClientSampleId :
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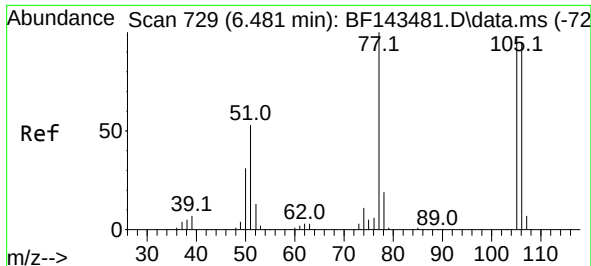
Tgt Ion: 99 Resp: 201752
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 33.9 28.2 42.2



#8
2-Chlorophenol
Concen: 10.152 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 128 Resp: 88766
Ion Ratio Lower Upper
128 100
130 31.7 12.4 52.4
64 50.0 31.6 71.6

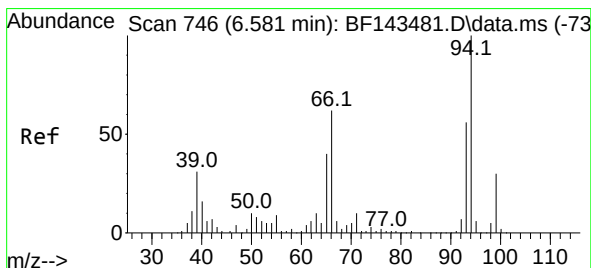
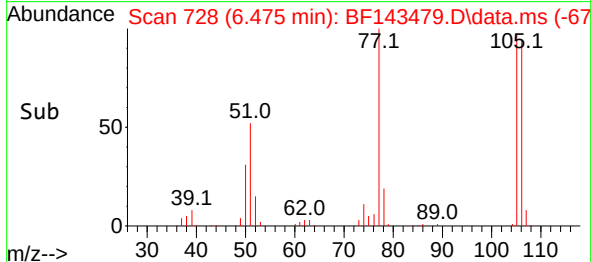
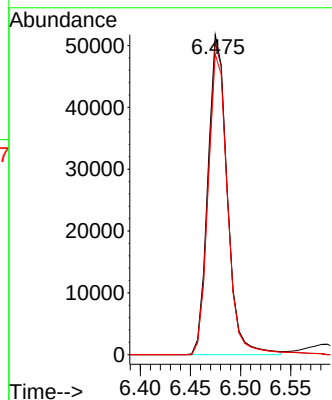
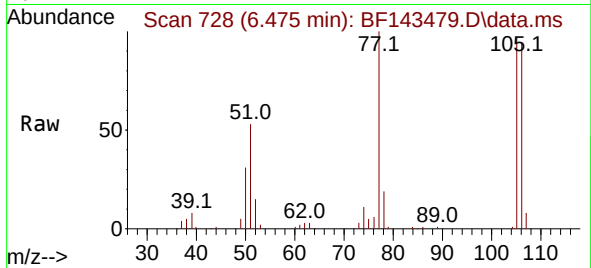




#9
Benzaldehyde
Concen: 8.802 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

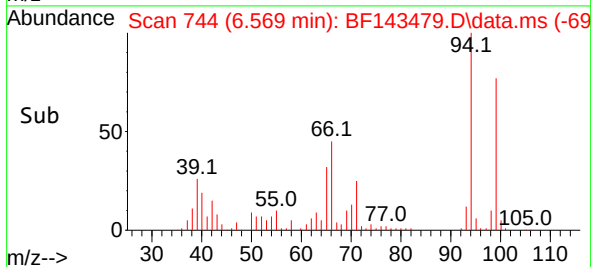
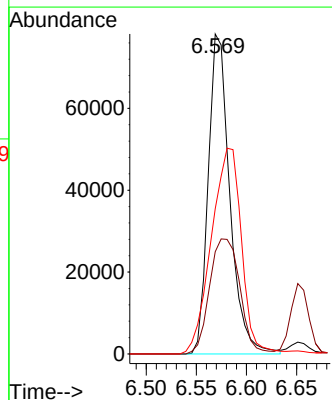
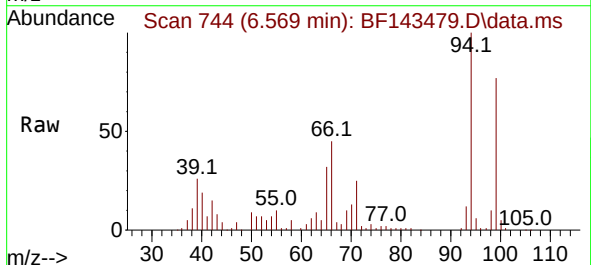
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

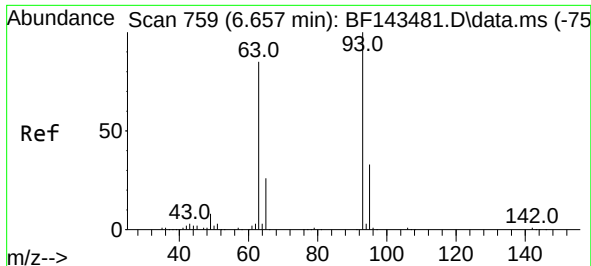
Tgt Ion: 77 Resp: 69636
Ion Ratio Lower Upper
77 100
105 97.5 78.1 118.1
106 94.0 74.9 114.9



#10
Phenol
Concen: 10.408 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 94 Resp: 117160
Ion Ratio Lower Upper
94 100
65 32.0 19.5 59.5
66 45.4 42.5 82.5

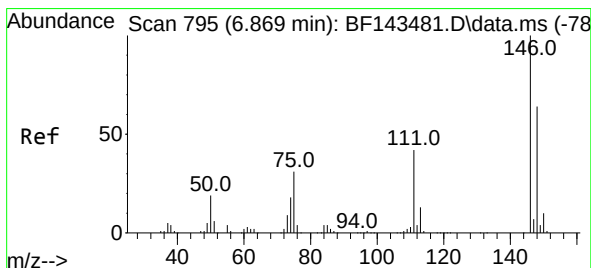
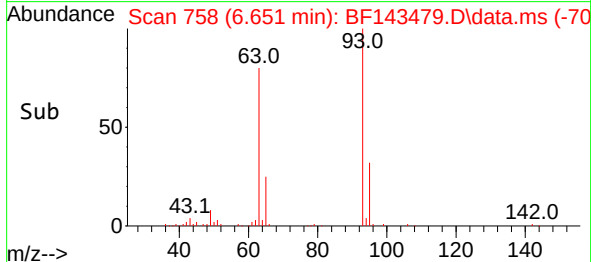
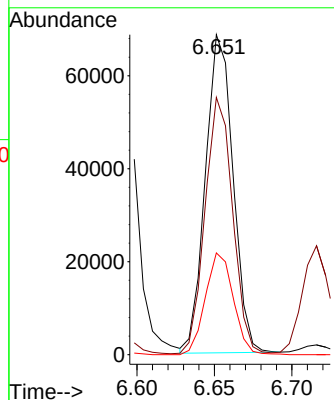
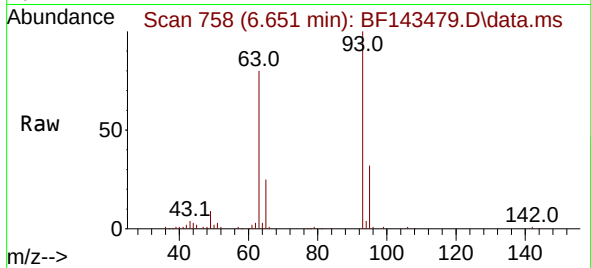




#11
bis(2-Chloroethyl)ether
Concen: 10.102 ng
RT: 6.651 min Scan# 758
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

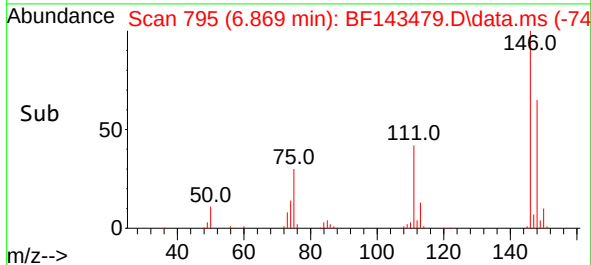
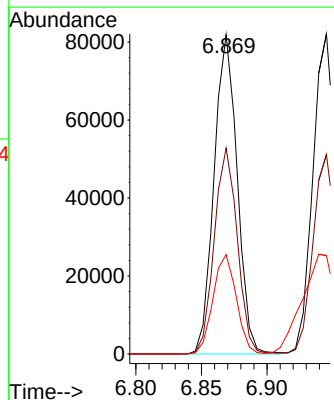
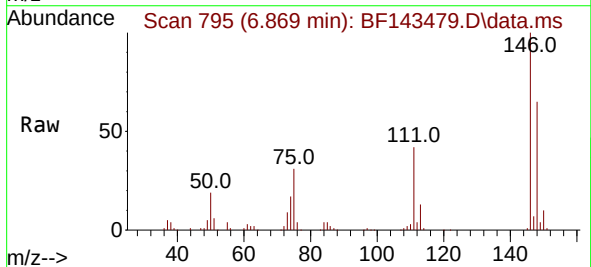
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

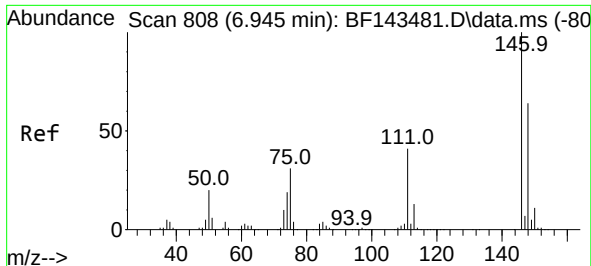
Tgt Ion: 93	Resp: 84985
Ion Ratio	Lower Upper
93	100
63	80.4 63.6 103.6
95	31.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 10.207 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 146	Resp: 100273
Ion Ratio	Lower Upper
146	100
148	64.5 51.3 76.9
75	31.1 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 10.432 ng

RT: 6.945 min Scan# 808

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

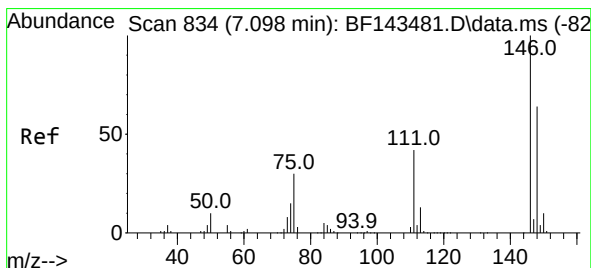
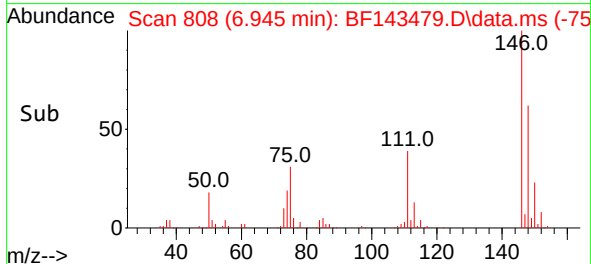
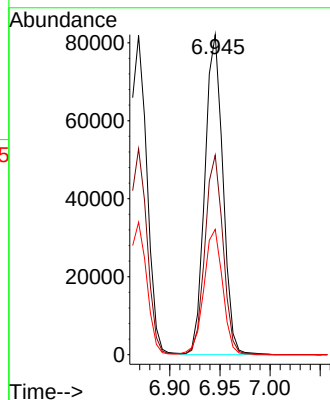
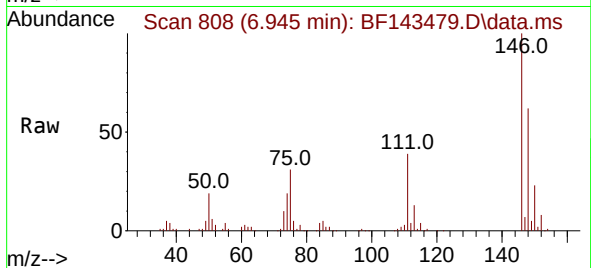
Tgt Ion:146 Resp: 102802

Ion Ratio Lower Upper

146 100

148 62.3 51.5 77.3

111 39.1 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 10.464 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

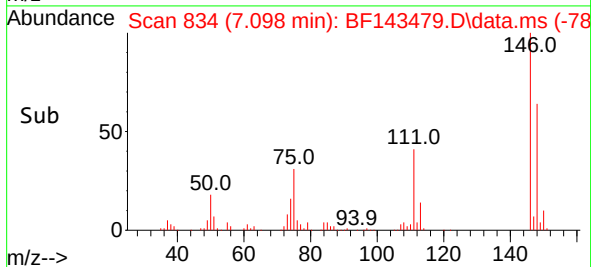
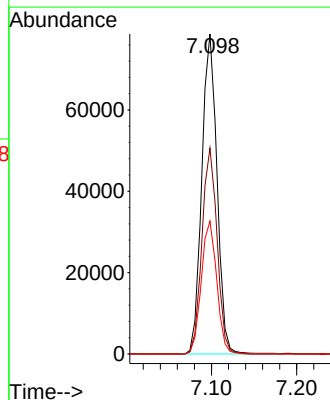
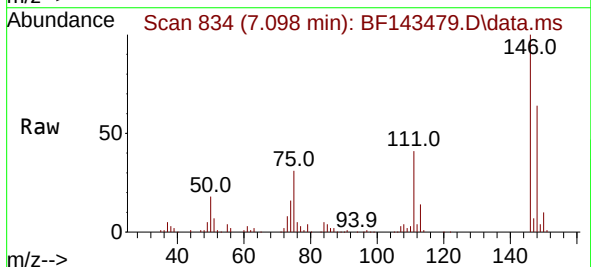
Tgt Ion:146 Resp: 97628

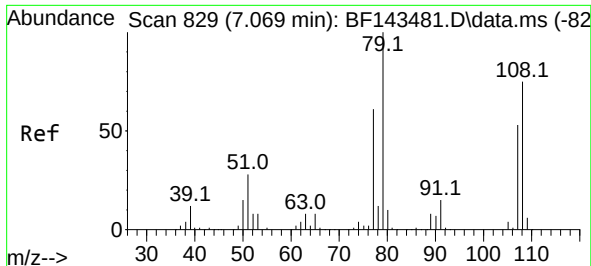
Ion Ratio Lower Upper

146 100

148 64.3 51.0 76.6

111 41.5 34.0 51.0

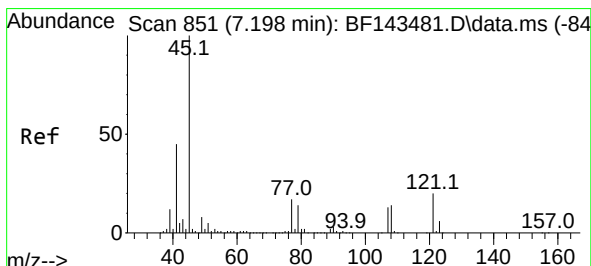
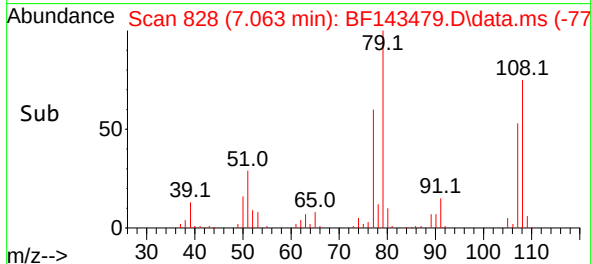
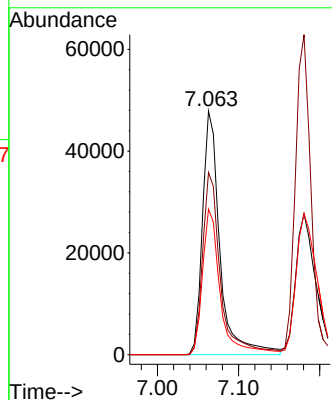
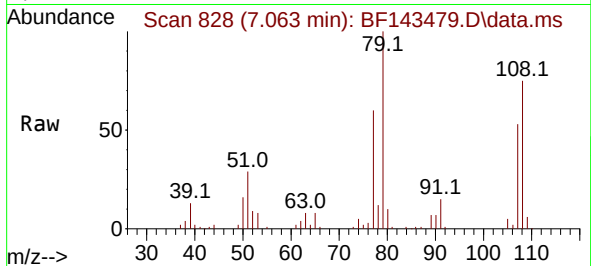




#15
Benzyl Alcohol
Concen: 9.792 ng
RT: 7.063 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

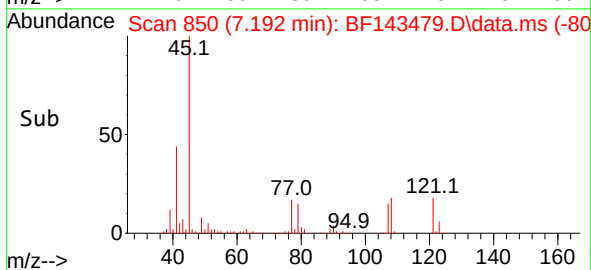
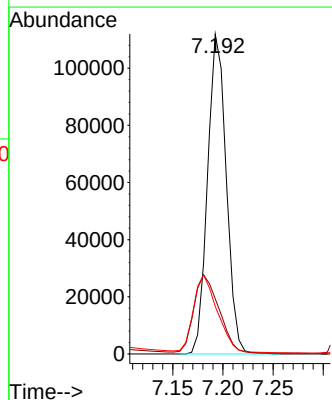
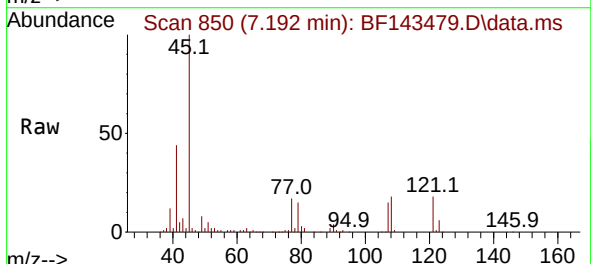
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

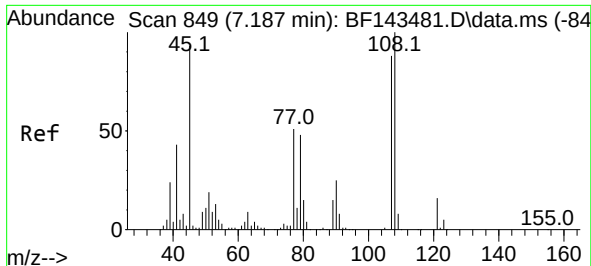
Tgt Ion:	79	Resp:	71642
Ion Ratio	Lower	Upper	
79	100		
108	74.8	59.8	89.6
77	59.8	49.0	73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.806 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:	45	Resp:	145437
Ion Ratio	Lower	Upper	
45	100		
77	17.2	0.0	37.9
79	14.9	0.0	34.7

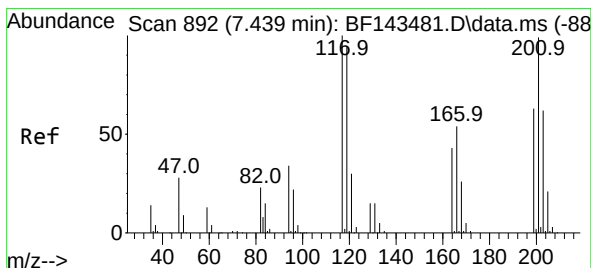
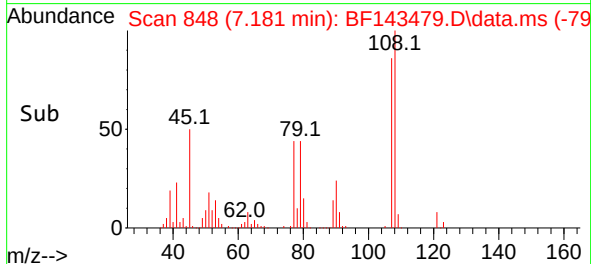
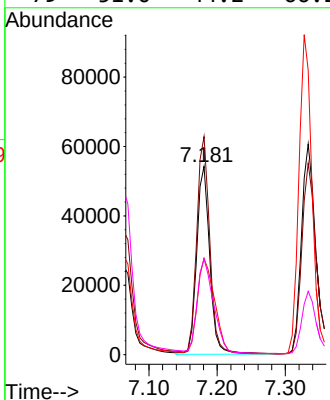
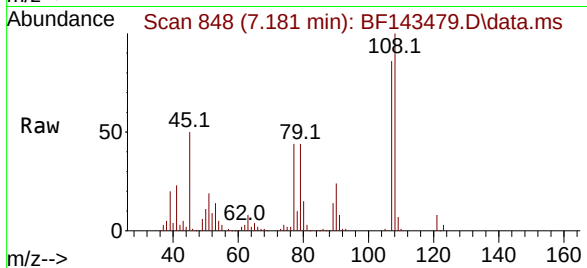




#17
2-Methylphenol
Concen: 10.260 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

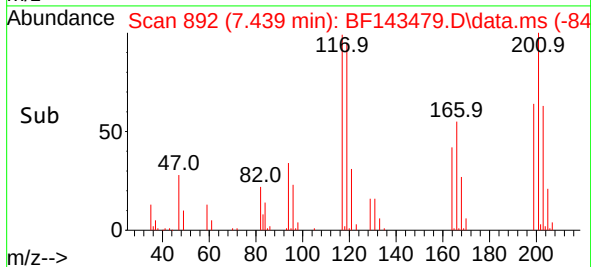
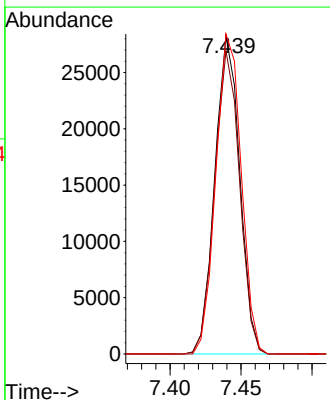
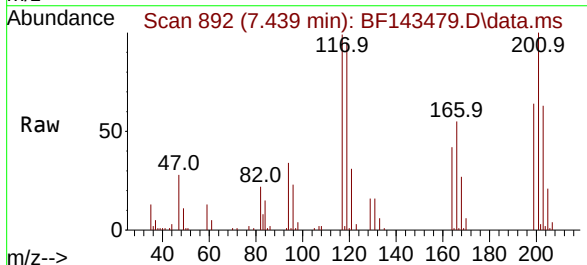
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

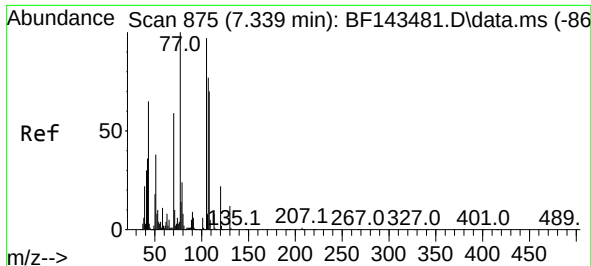
Tgt Ion:	107	Resp:	71996
Ion Ratio	Lower	Upper	
107	100		
108	115.9	91.1	136.7
77	51.1	46.2	69.4
79	51.0	44.2	66.2



#18
Hexachloroethane
Concen: 10.276 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:	117	Resp:	34428
Ion Ratio	Lower	Upper	
117	100		
119	95.3	75.4	113.0
201	100.6	79.0	118.4

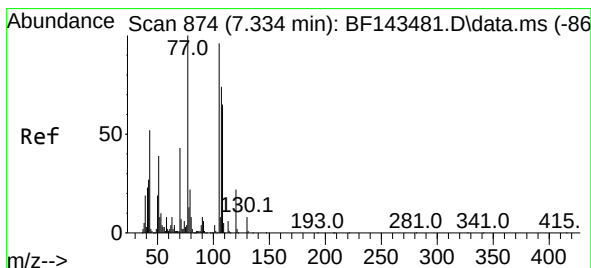
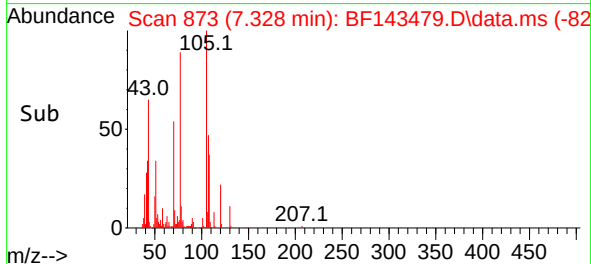
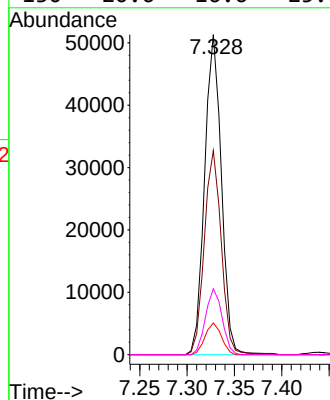
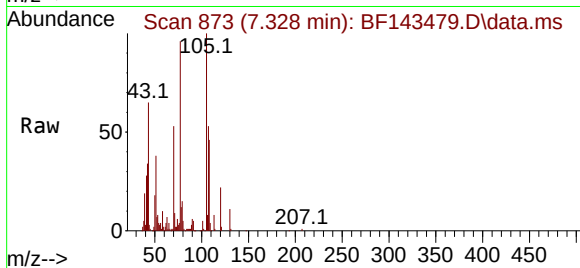




#19
n-Nitroso-di-n-propylamine
Concen: 10.552 ng
RT: 7.328 min Scan# 81
Delta R.T. -0.024 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

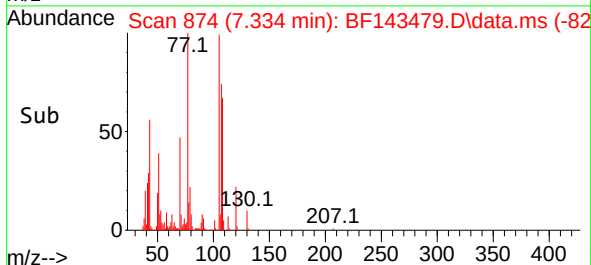
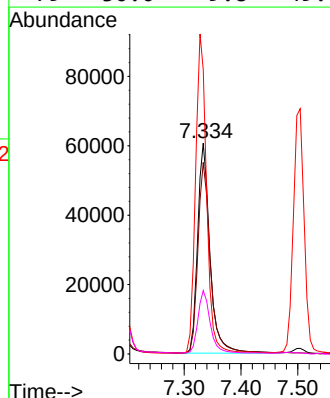
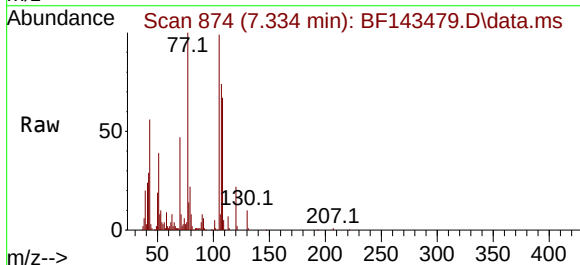
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

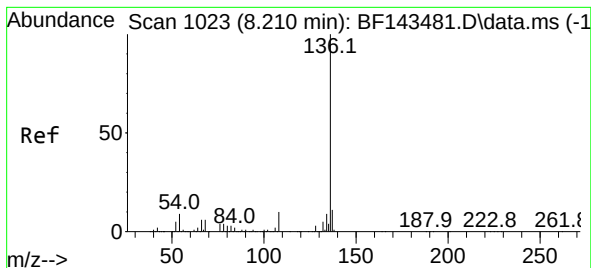
Tgt Ion:	70	Resp:	63026
Ion	Ratio	Lower	Upper
70	100		
42	63.8	49.3	73.9
101	9.9	7.8	11.8
130	20.6	16.6	25.0



#20
3+4-Methylphenols
Concen: 11.034 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:	107	Resp:	92430
Ion	Ratio	Lower	Upper
107	100		
108	90.9	68.4	108.4
77	134.9	116.1	156.1
79	30.0	9.8	49.8

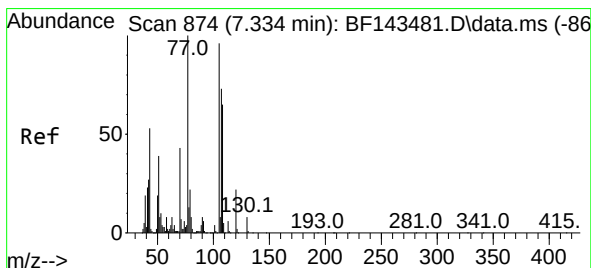
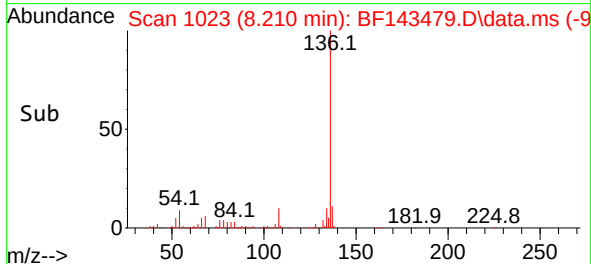
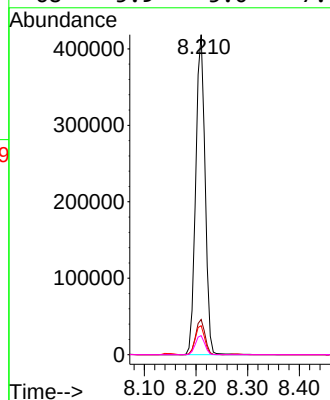
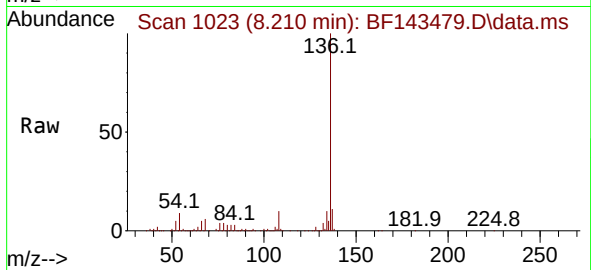




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

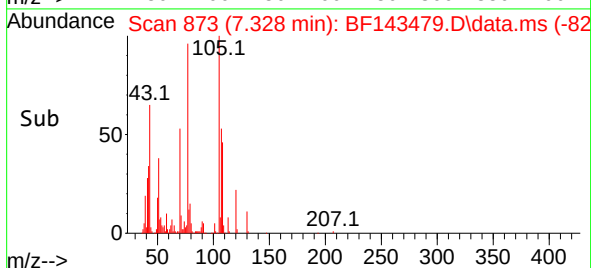
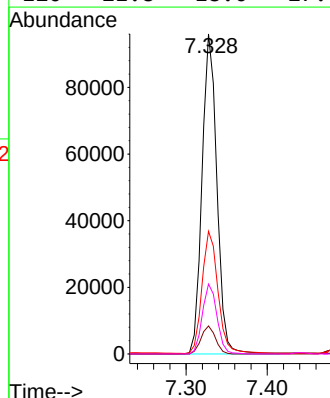
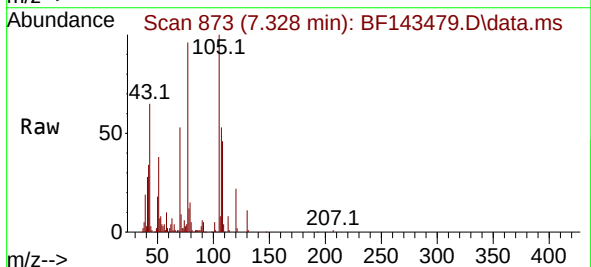
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

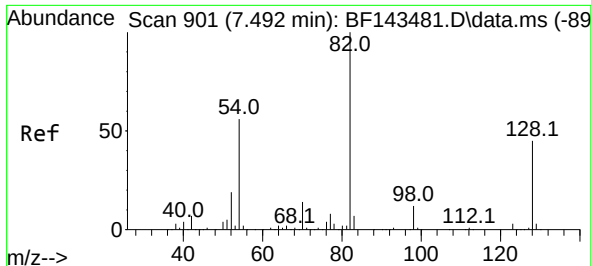
Tgt Ion:	136	Resp:	525191
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.0	7.4	11.2
68	5.9	5.0	7.4



#22
Acetophenone
Concen: 10.745 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:	105	Resp:	121914
Ion	Ratio	Lower	Upper
105	100		
71	8.8	5.9	8.9
51	38.4	32.5	48.7
120	21.8	18.0	27.0





#23

Nitrobenzene-d5

Concen: 20.141 ng

RT: 7.481 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

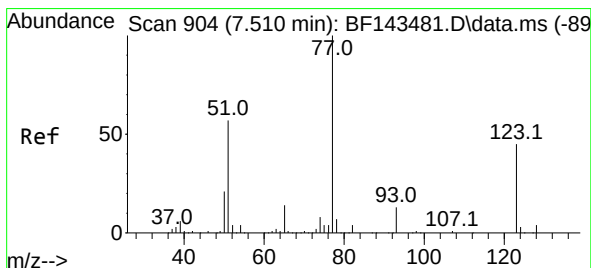
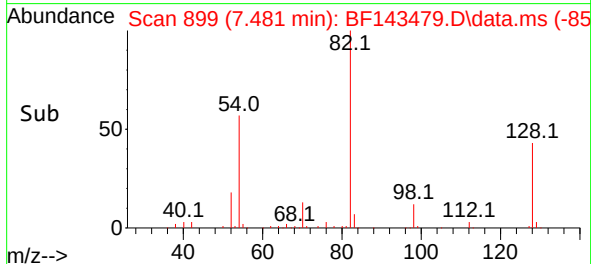
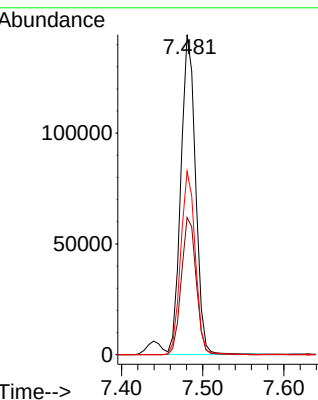
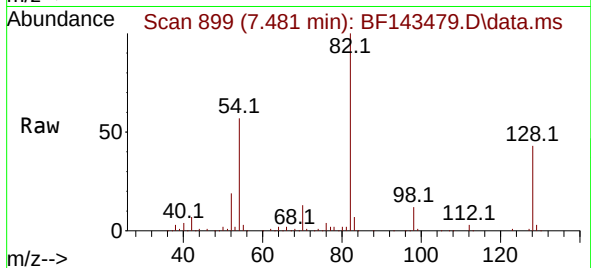
Tgt Ion: 82 Resp: 181268

Ion Ratio Lower Upper

82 100

128 42.9 35.5 53.3

54 57.3 44.3 66.5



#24

Nitrobenzene

Concen: 9.960 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

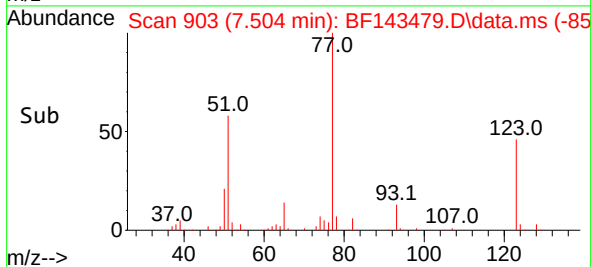
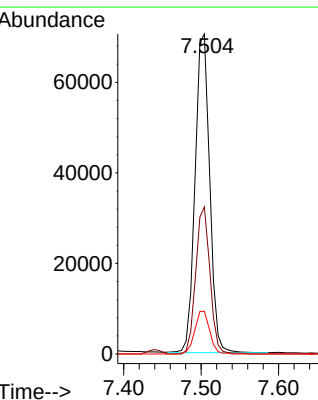
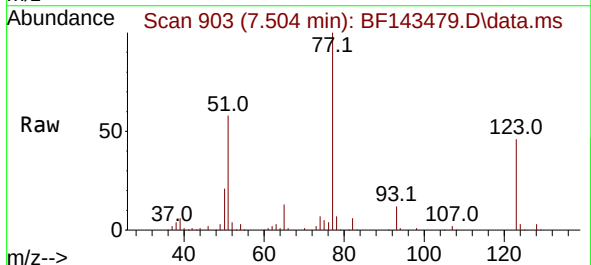
Tgt Ion: 77 Resp: 92261

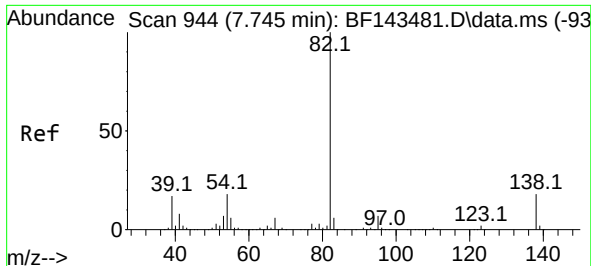
Ion Ratio Lower Upper

77 100

123 46.0 36.1 54.1

65 13.4 11.0 16.6

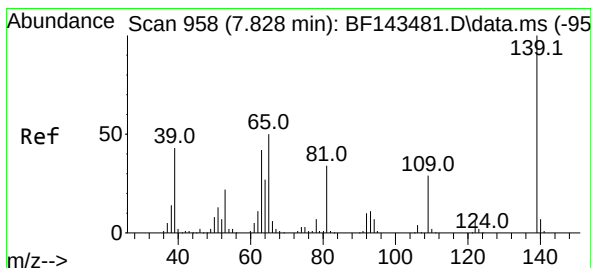
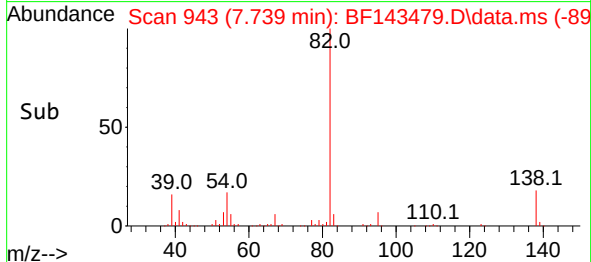
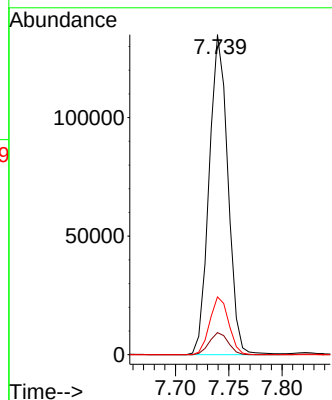
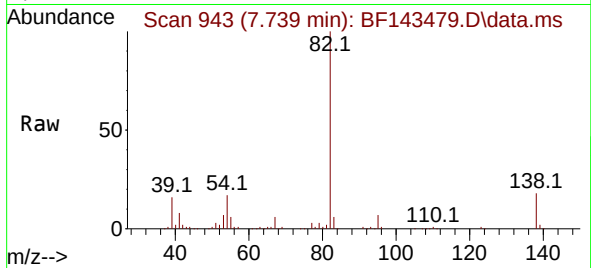




#25
Isophorone
Concen: 10.025 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

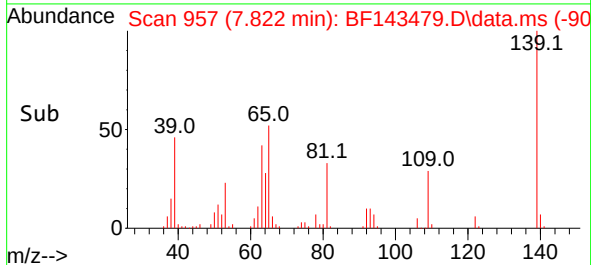
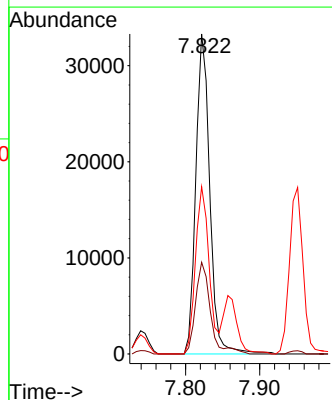
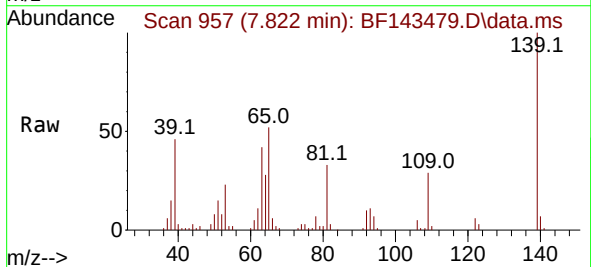
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

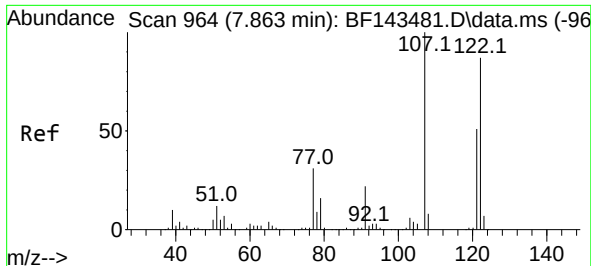
Tgt Ion: 82 Resp: 165391
Ion Ratio Lower Upper
82 100
95 6.9 5.8 8.8
138 18.1 14.2 21.4



#26
2-Nitrophenol
Concen: 9.575 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:139 Resp: 43444
Ion Ratio Lower Upper
139 100
109 28.6 23.0 34.6
65 52.3 40.3 60.5

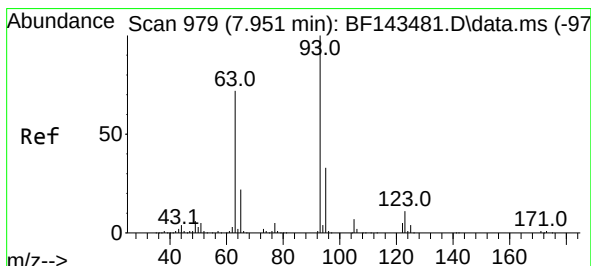
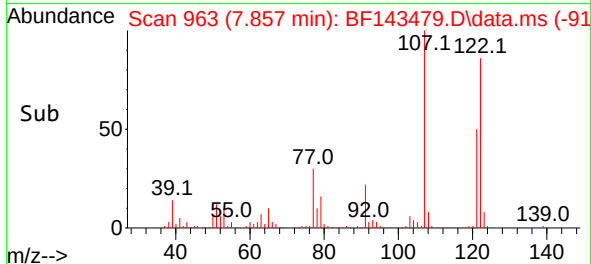
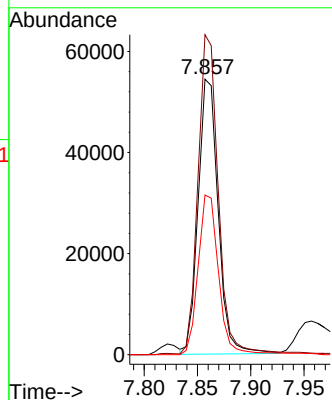
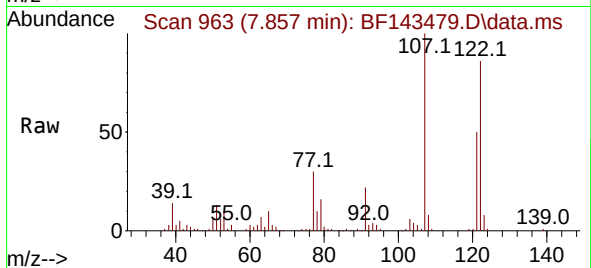




#27
2,4-Dimethylphenol
Concen: 10.105 ng
RT: 7.857 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

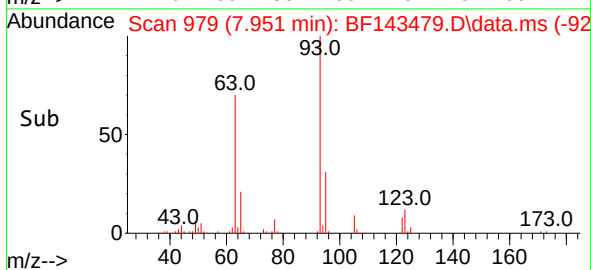
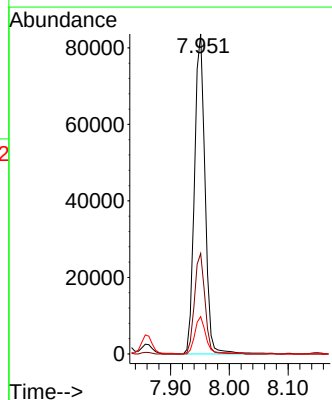
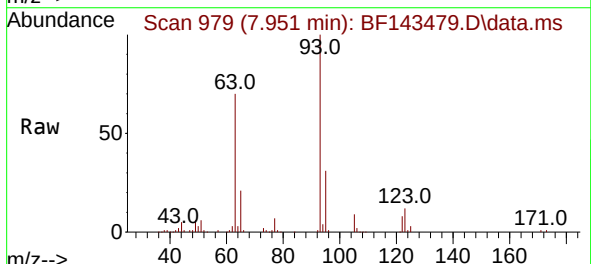
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

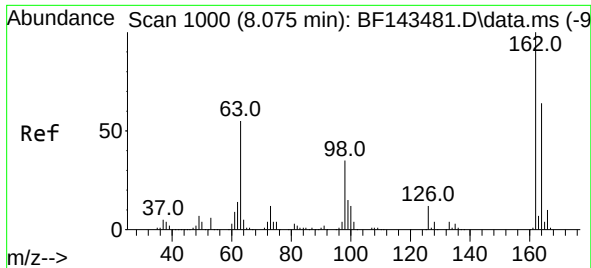
Tgt Ion:122 Resp: 71477
Ion Ratio Lower Upper
122 100
107 116.1 91.5 137.3
121 57.9 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 10.329 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 93 Resp: 104720
Ion Ratio Lower Upper
93 100
95 31.4 26.0 39.0
123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 10.394 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

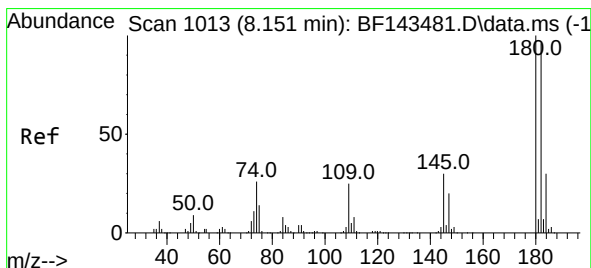
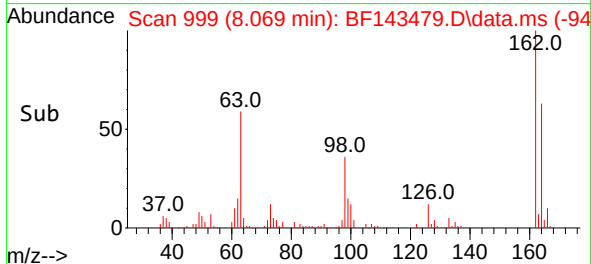
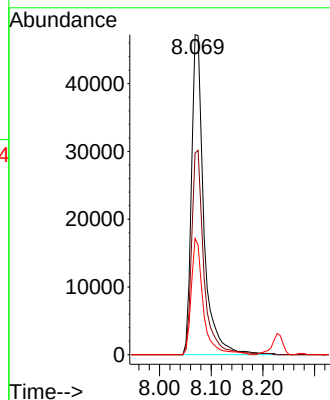
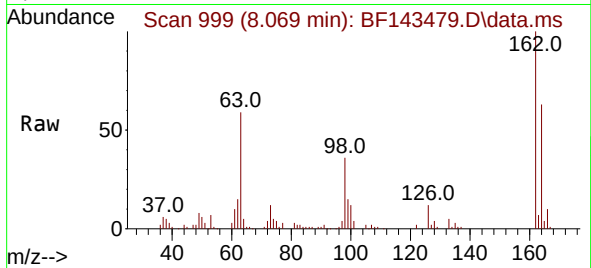
Tgt Ion:162 Resp: 78518

Ion Ratio Lower Upper

162 100

164 63.0 43.5 83.5

98 36.3 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 10.143 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

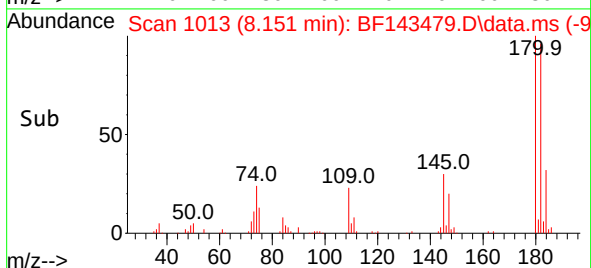
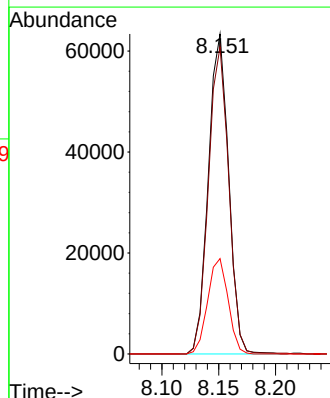
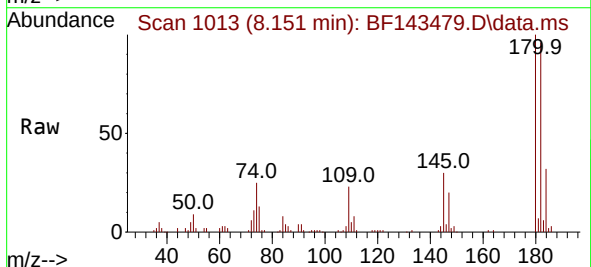
Tgt Ion:180 Resp: 78780

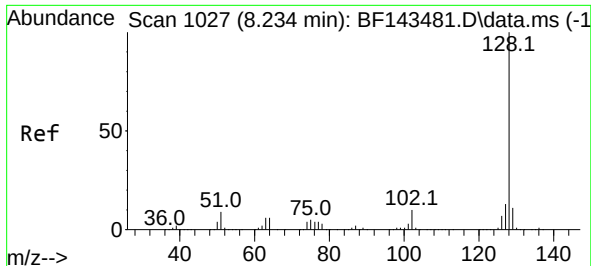
Ion Ratio Lower Upper

180 100

182 95.9 76.6 114.8

145 29.8 24.3 36.5

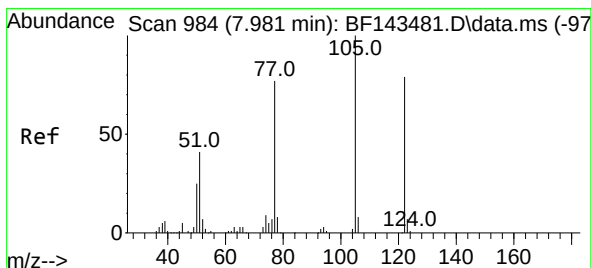
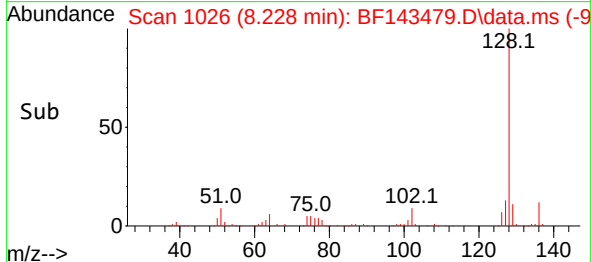
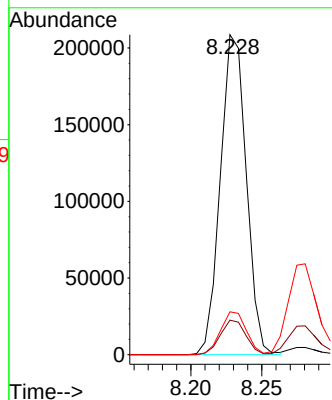
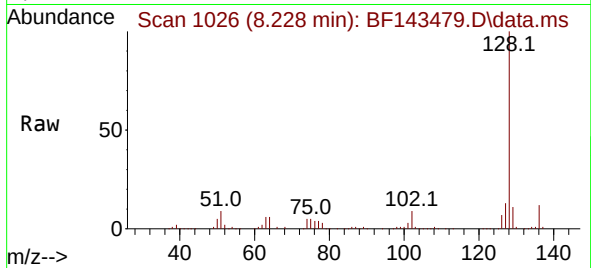




#31
Naphthalene
Concen: 10.503 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

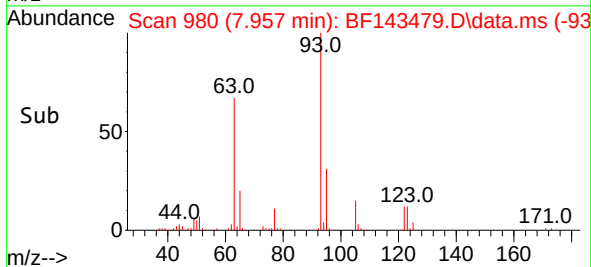
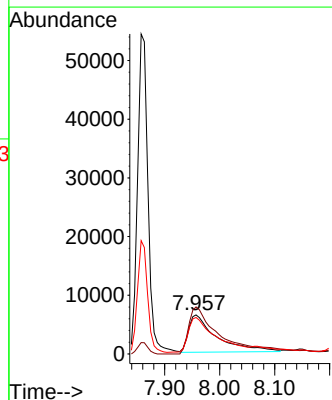
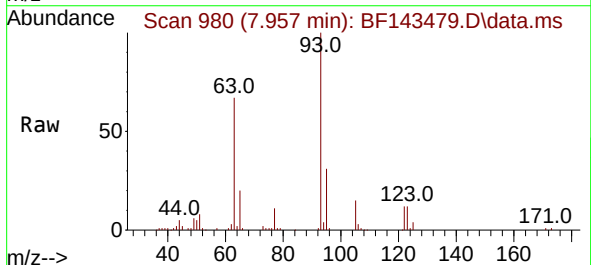
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

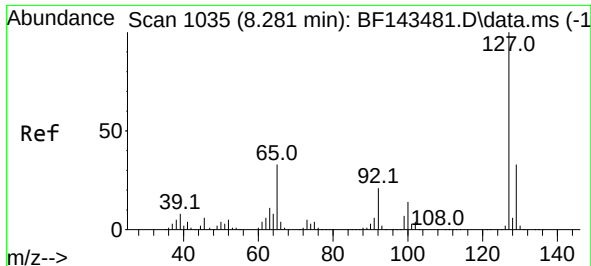
Tgt Ion:128 Resp: 264837
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 10.817 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.053 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:122 Resp: 22608
Ion Ratio Lower Upper
122 100
105 120.4 104.7 144.7
77 93.4 77.3 117.3

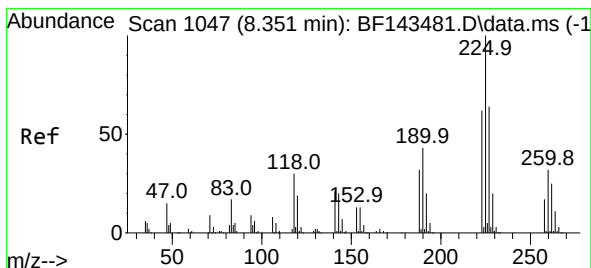
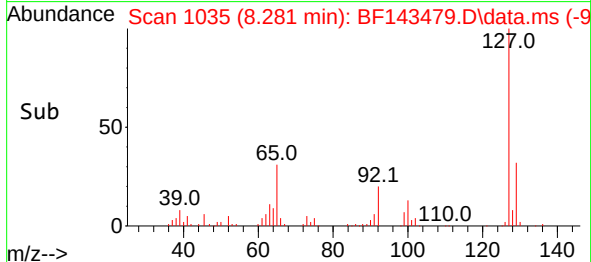
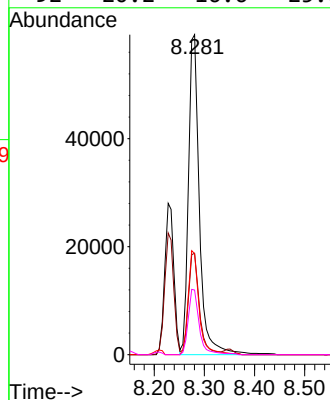
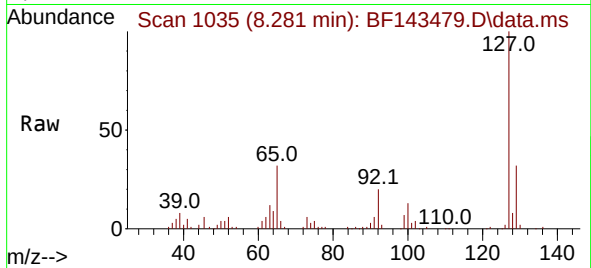




#33
4-Chloroaniline
Concen: 10.129 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

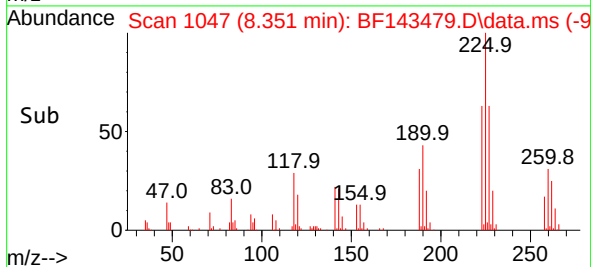
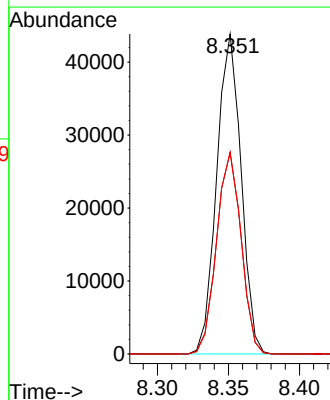
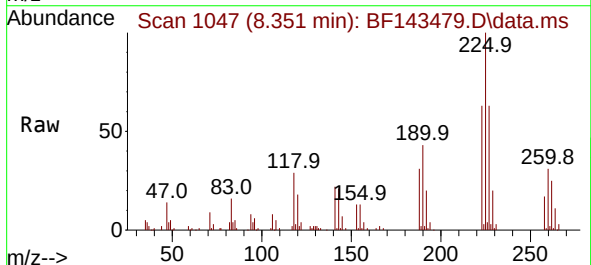
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

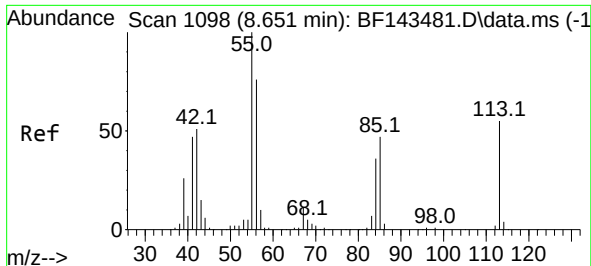
Tgt Ion:127	Resp:	90644
Ion Ratio	Lower	Upper
127	100	
129	31.7	26.1 39.1
65	31.6	26.2 39.2
92	20.2	16.6 25.0



#34
Hexachlorobutadiene
Concen: 10.321 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:225	Resp:	52299
Ion Ratio	Lower	Upper
225	100	
223	62.9	49.9 74.9
227	63.1	50.9 76.3

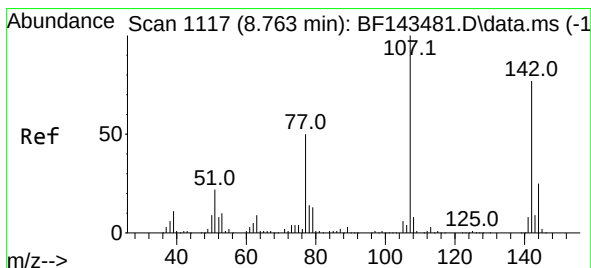
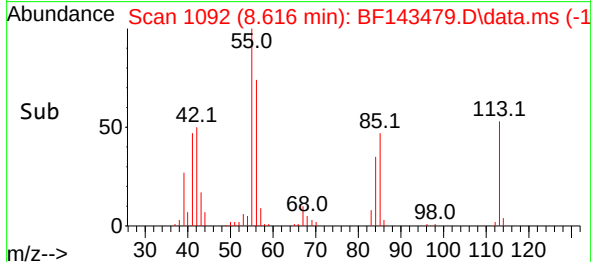
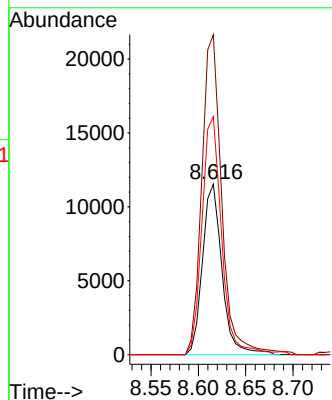
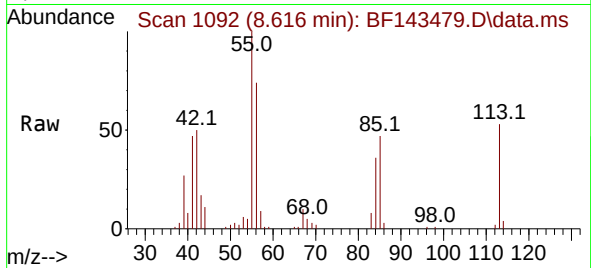




#35
 Caprolactam
 Concen: 9.099 ng
 RT: 8.616 min Scan# 1109
 Delta R.T. -0.059 min
 Lab File: BF143479.D
 Acq: 20 Aug 2025 11:54

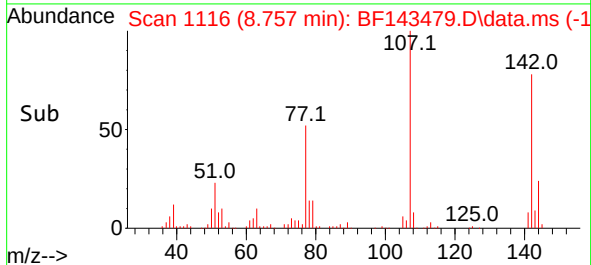
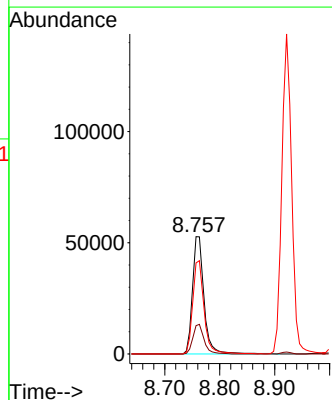
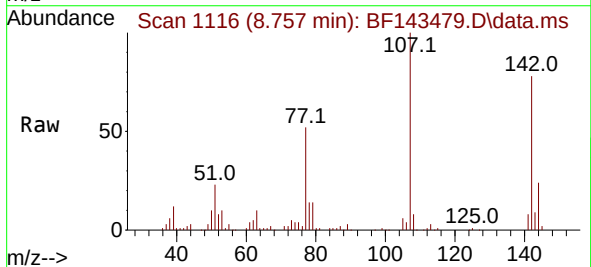
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

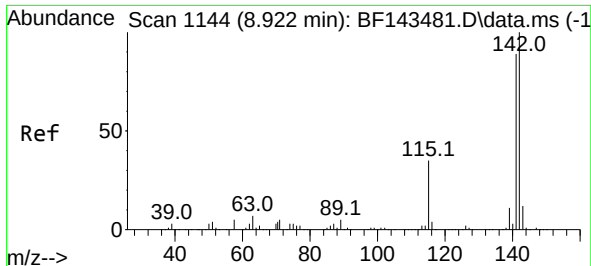
Tgt Ion:113 Resp: 16494
 Ion Ratio Lower Upper
 113 100
 55 187.6 162.8 202.8
 56 139.5 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 10.126 ng
 RT: 8.757 min Scan# 1116
 Delta R.T. -0.012 min
 Lab File: BF143479.D
 Acq: 20 Aug 2025 11:54

Tgt Ion:107 Resp: 76657
 Ion Ratio Lower Upper
 107 100
 144 24.2 19.9 29.9
 142 77.7 61.8 92.8

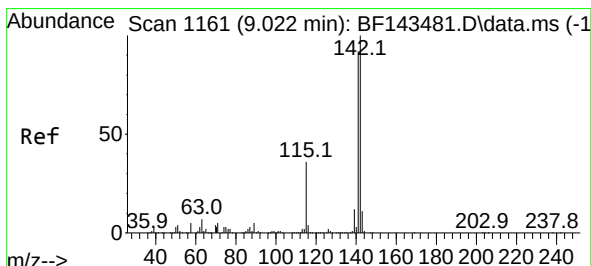
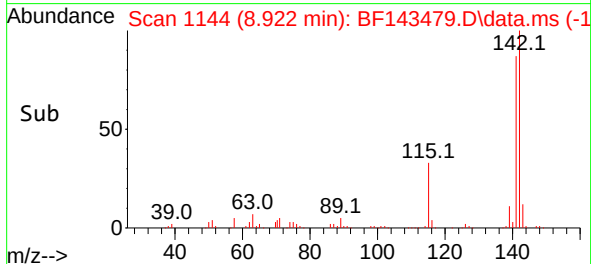
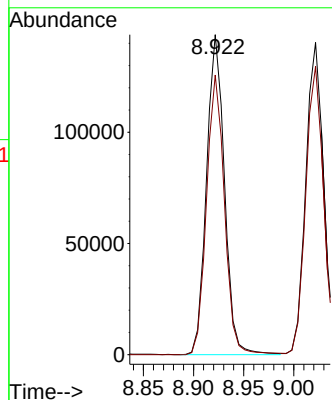
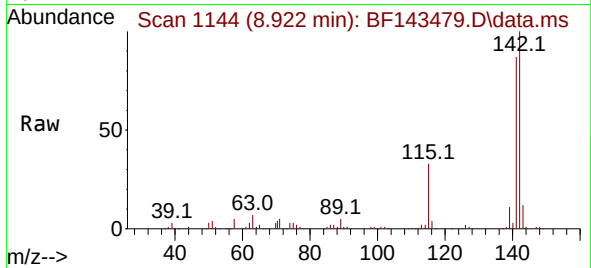




#37
2-Methylnaphthalene
Concen: 10.663 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

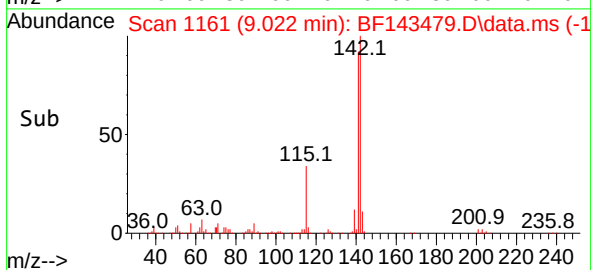
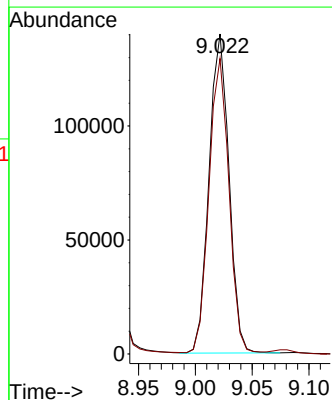
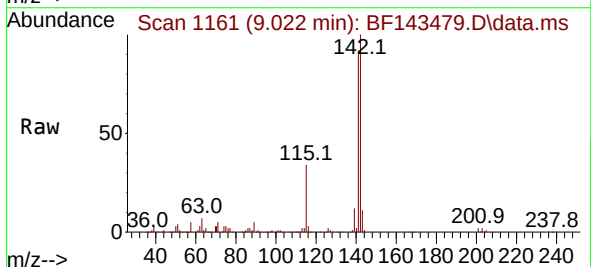
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

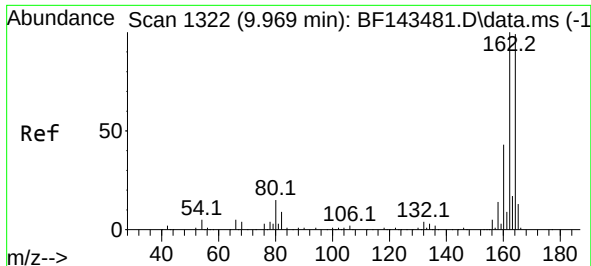
Tgt Ion:142 Resp: 179574
Ion Ratio Lower Upper
142 100
141 87.4 71.0 106.4



#38
1-Methylnaphthalene
Concen: 10.606 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:142 Resp: 170845
Ion Ratio Lower Upper
142 100
141 92.4 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

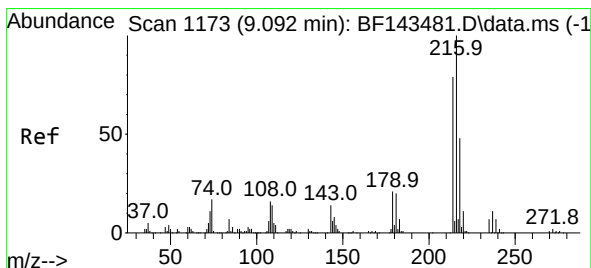
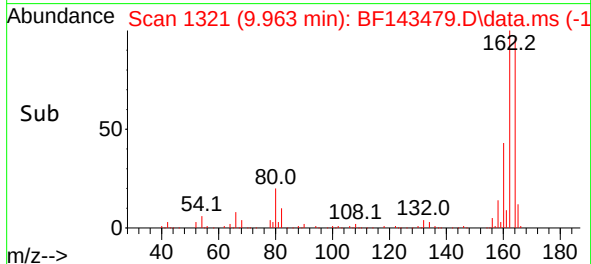
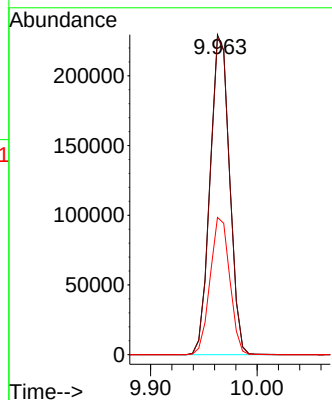
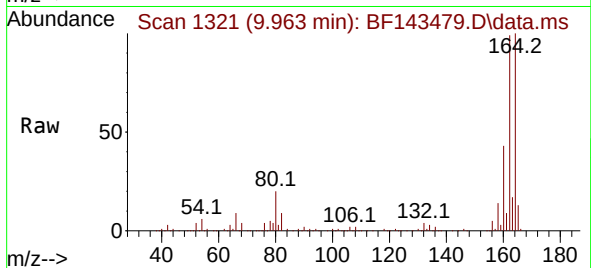
Tgt Ion:164 Resp: 291754

Ion Ratio Lower Upper

164 100

162 99.3 80.5 120.7

160 42.9 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.207 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Tgt Ion:216 Resp: 85181

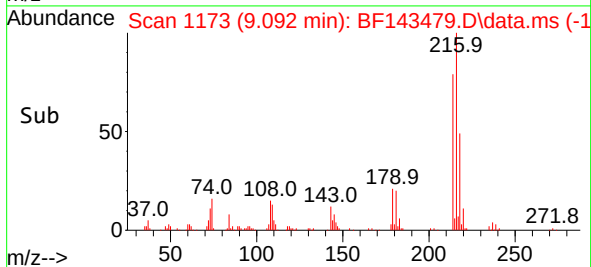
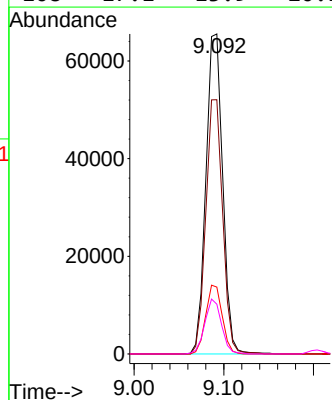
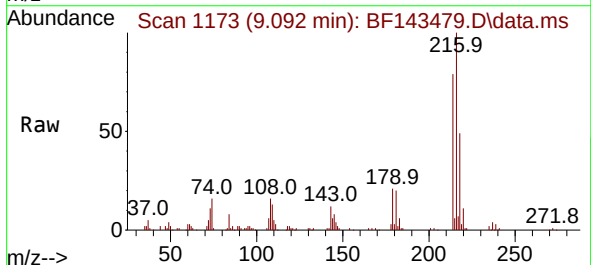
Ion Ratio Lower Upper

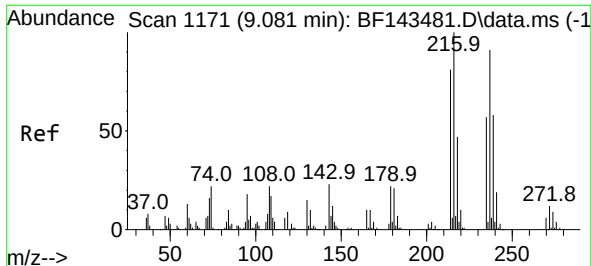
216 100

214 79.8 63.4 95.0

179 21.1 16.5 24.7

108 17.1 13.9 20.9

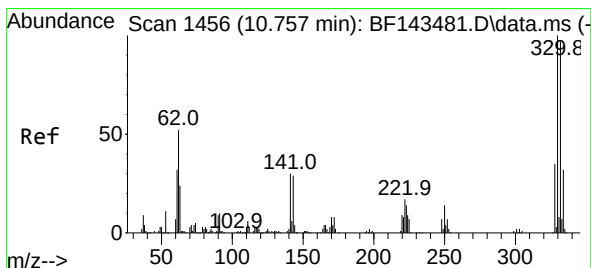
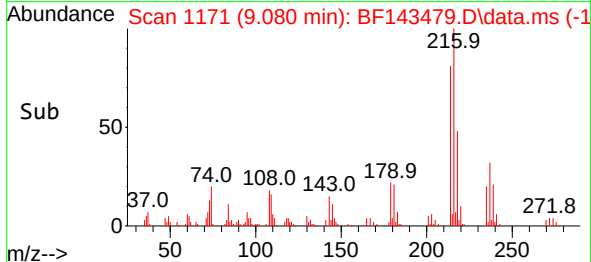
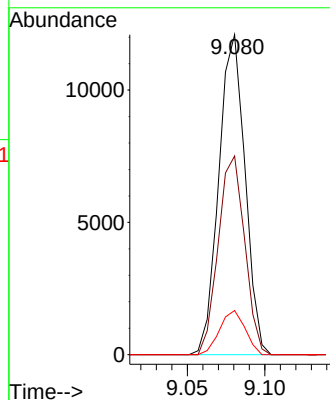
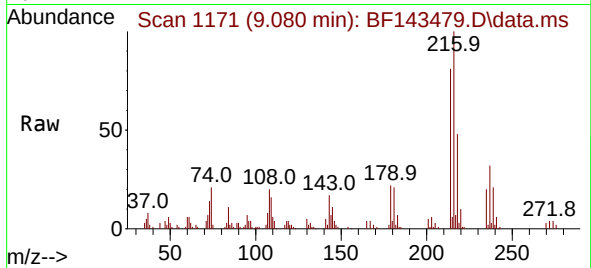




#41
Hexachlorocyclopentadiene
Concen: 10.484 ng
RT: 9.080 min Scan# 1171
Delta R.T. -0.001 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

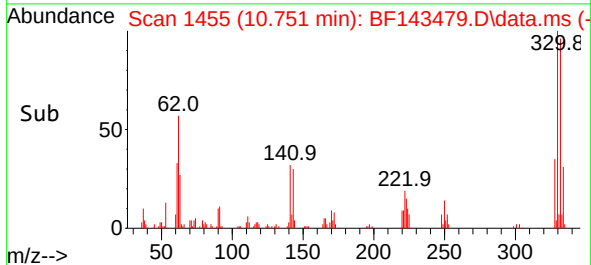
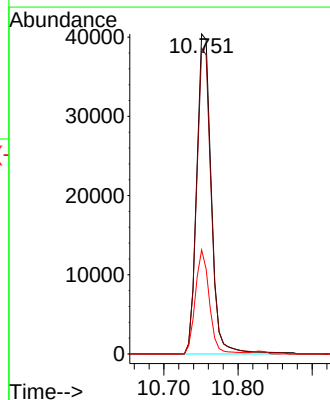
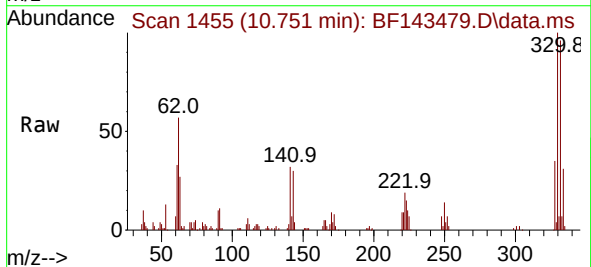
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

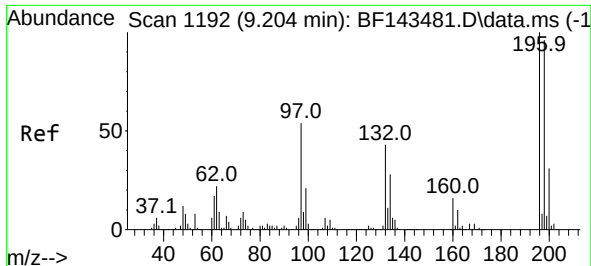
Tgt Ion:237	Resp:	14243
Ion Ratio	Lower	Upper
237	100	
235	62.1	42.6 82.6
272	13.8	0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 20.244 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:330	Resp:	54980
Ion Ratio	Lower	Upper
330	100	
332	96.1	78.0 117.0
141	31.3	23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 9.854 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

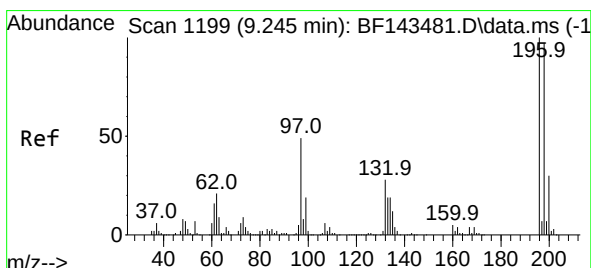
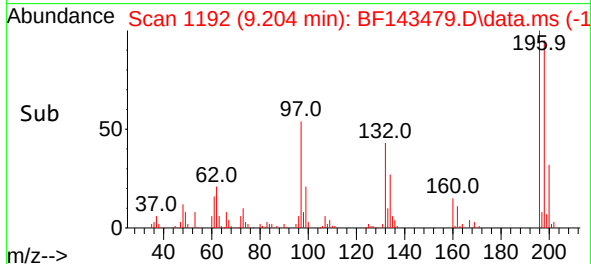
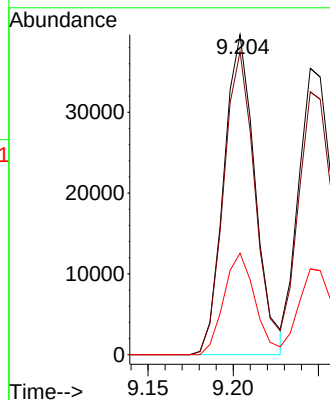
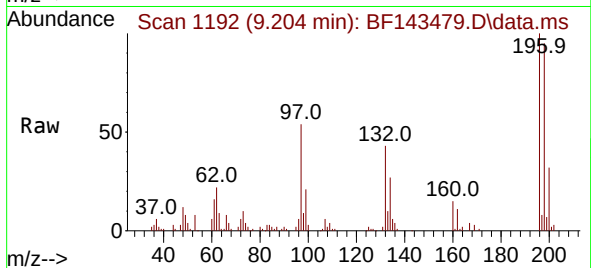
Tgt Ion:196 Resp: 50602

Ion Ratio Lower Upper

196 100

198 94.7 77.0 115.4

200 31.7 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 9.775 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Tgt Ion:196 Resp: 54832

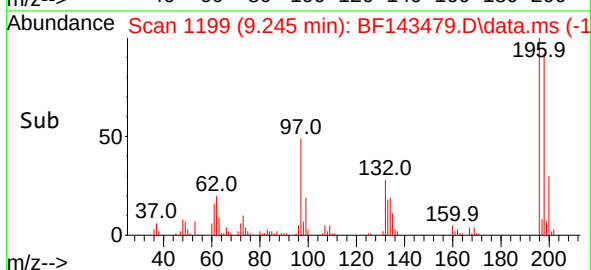
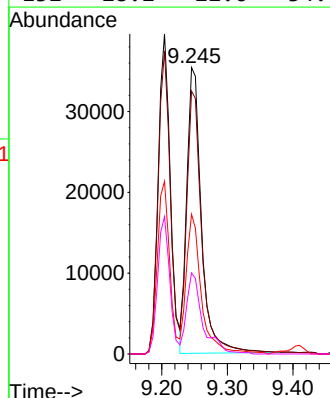
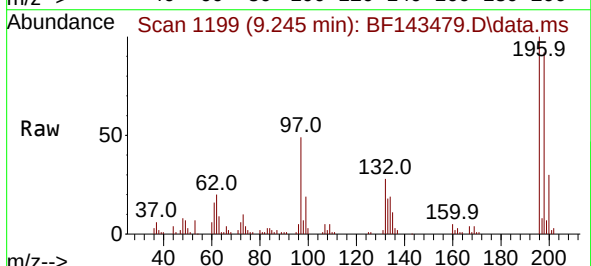
Ion Ratio Lower Upper

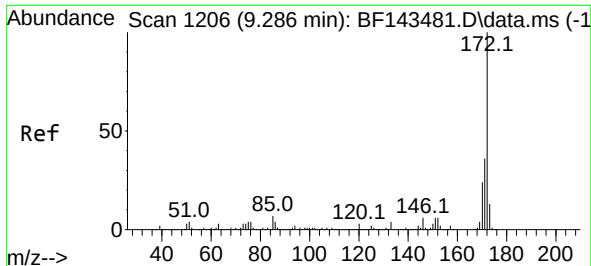
196 100

198 91.8 77.3 115.9

97 48.8 40.0 60.0

132 28.2 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 22.085 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

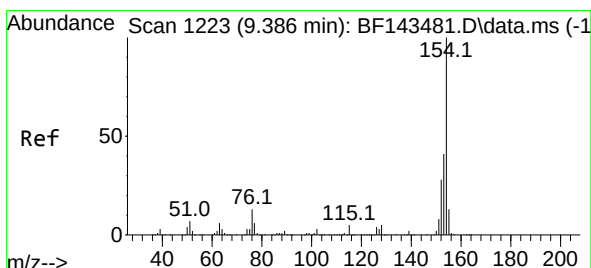
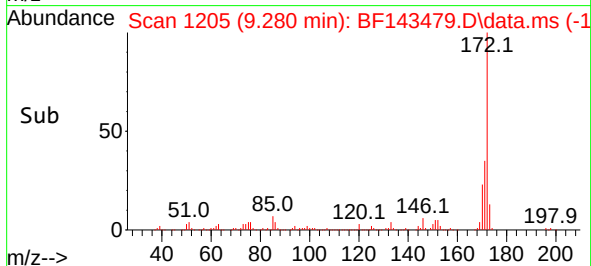
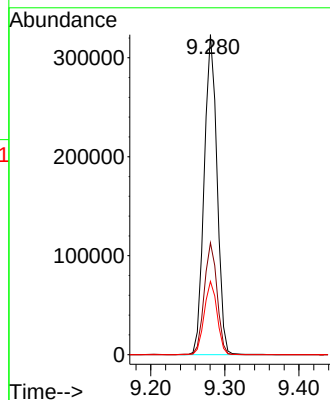
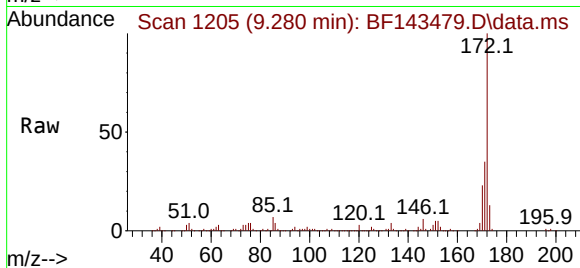
Tgt Ion:172 Resp: 389874

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 22.9 18.8 28.2



#46

1,1'-Biphenyl

Concen: 10.602 ng

RT: 9.380 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

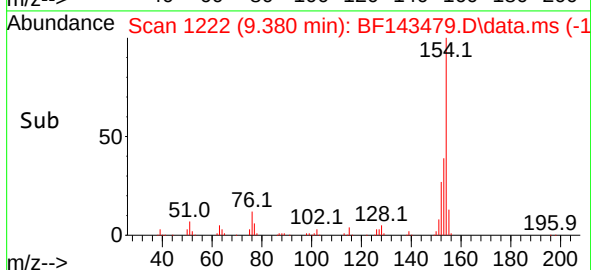
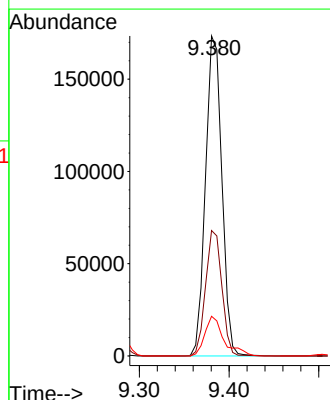
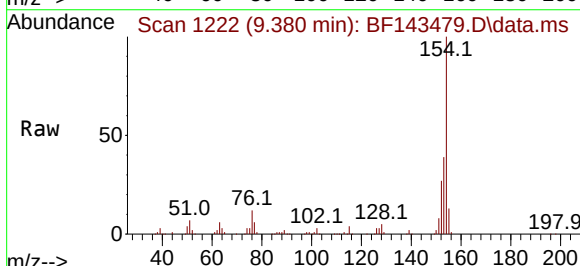
Tgt Ion:154 Resp: 219538

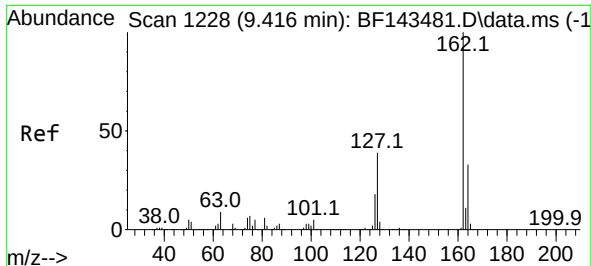
Ion Ratio Lower Upper

154 100

153 39.2 20.6 60.6

76 12.4 0.0 33.0





#47

2-Chloronaphthalene

Concen: 10.461 ng

RT: 9.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

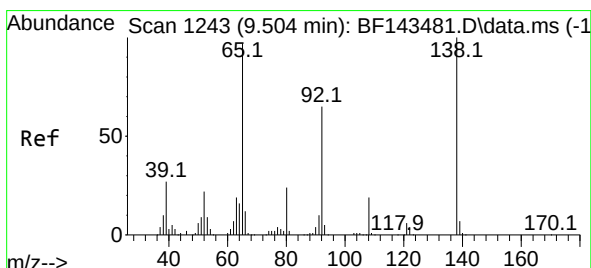
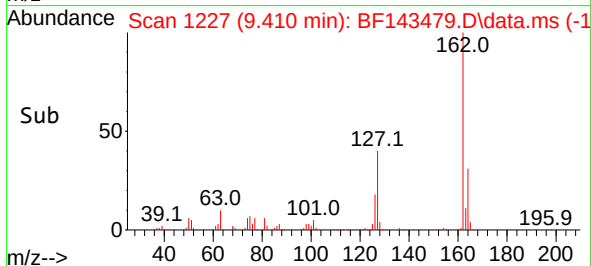
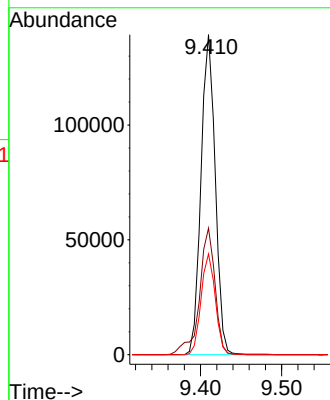
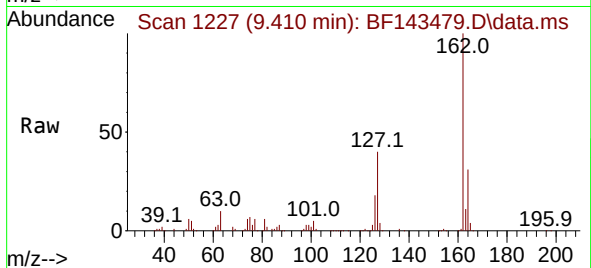
Tgt Ion:162 Resp: 169967

Ion Ratio Lower Upper

162 100

127 39.5 31.8 47.6

164 31.5 26.4 39.6



#48

2-Nitroaniline

Concen: 9.596 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

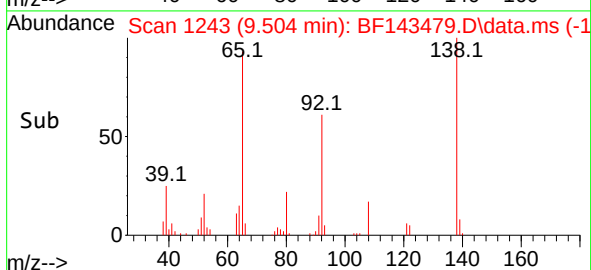
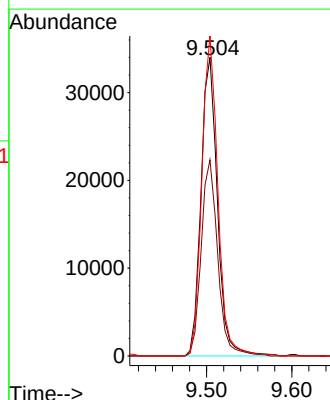
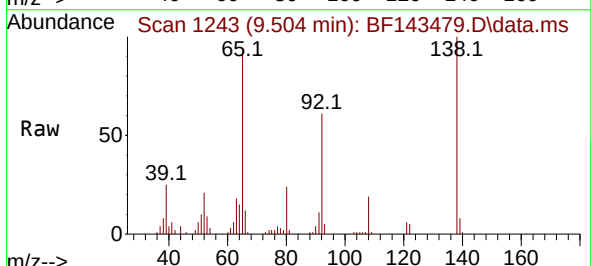
Tgt Ion: 65 Resp: 45630

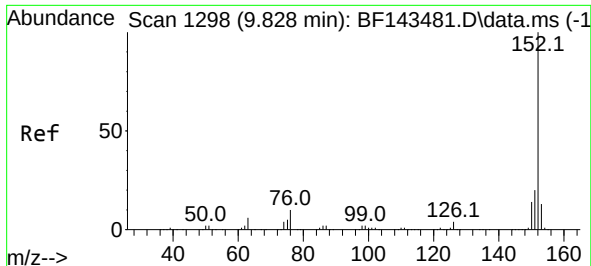
Ion Ratio Lower Upper

65 100

92 65.7 53.8 80.6

138 107.1 82.4 123.6





#49

Acenaphthylene

Concen: 10.429 ng

RT: 9.827 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

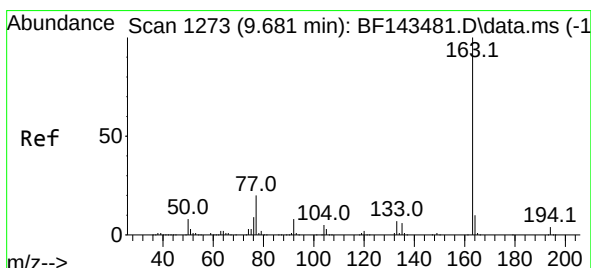
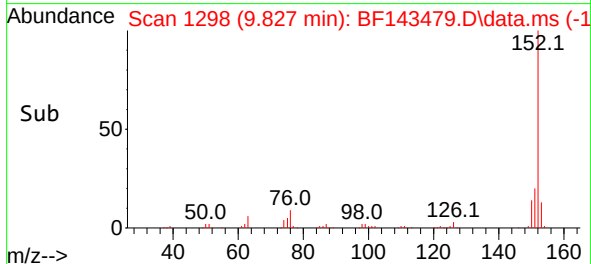
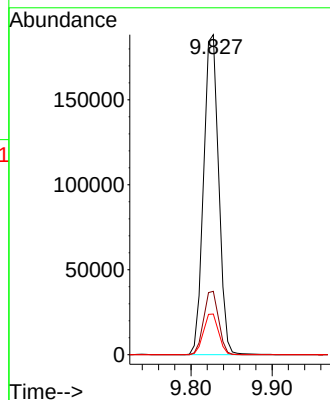
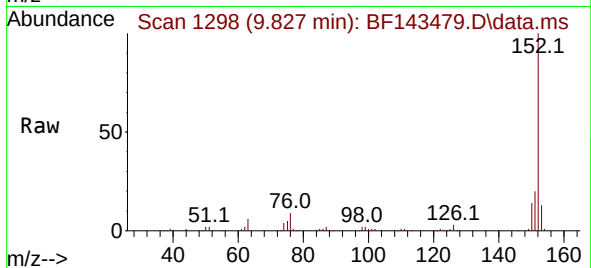
Tgt Ion:152 Resp: 242638

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

153 12.7 10.6 15.8



#50

Dimethylphthalate

Concen: 10.120 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

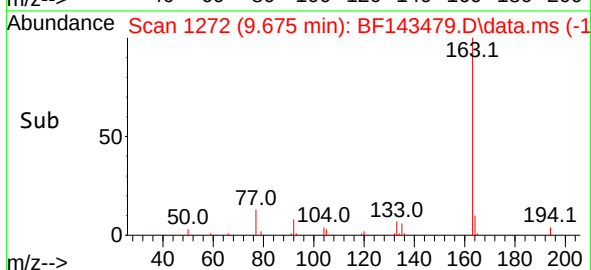
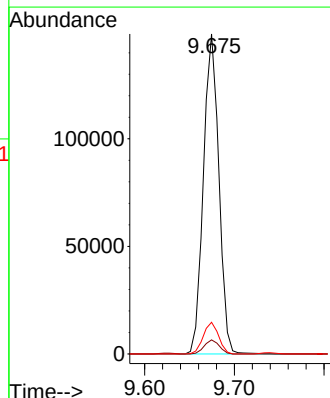
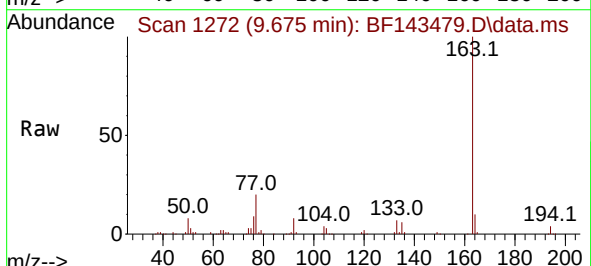
Tgt Ion:163 Resp: 177820

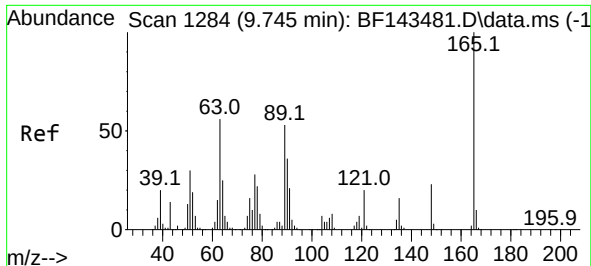
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

164 9.9 8.2 12.2

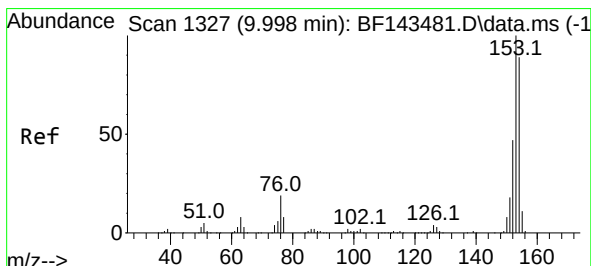
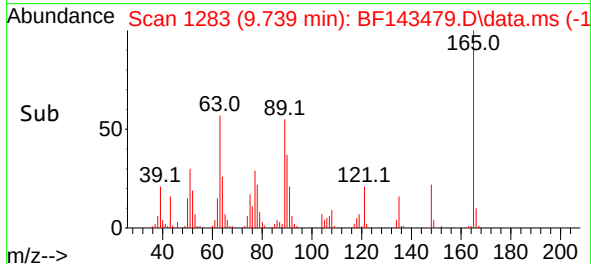
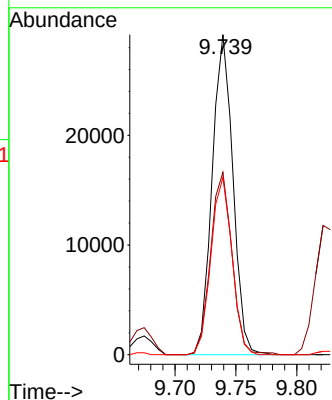
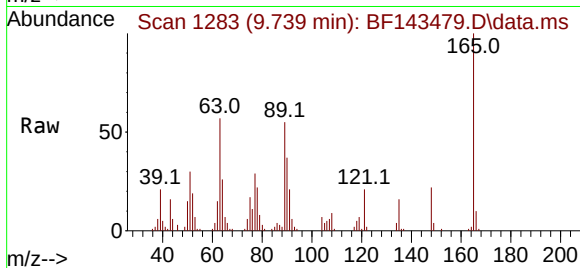




#51
2,6-Dinitrotoluene
Concen: 9.493 ng
RT: 9.739 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

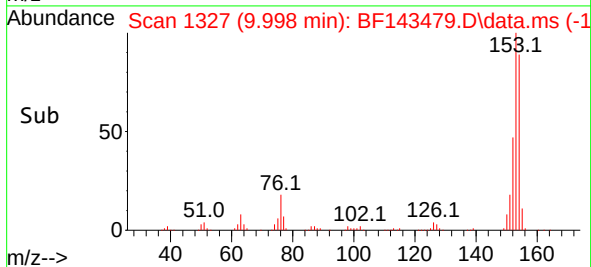
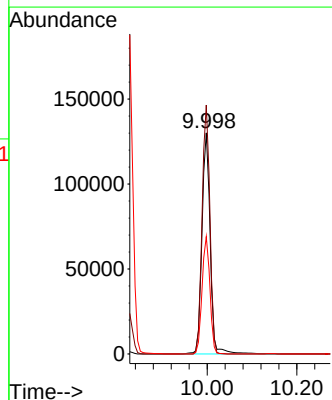
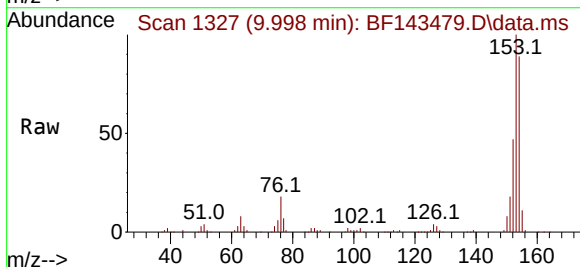
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

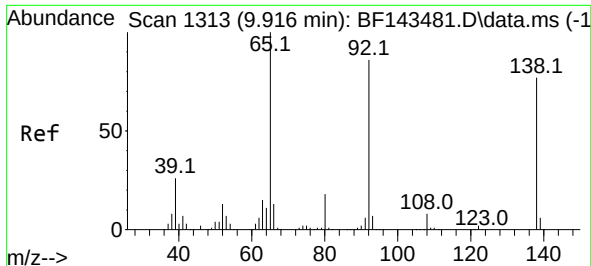
Tgt Ion:165 Resp: 34570
Ion Ratio Lower Upper
165 100
63 57.0 45.0 67.6
89 55.4 42.5 63.7



#52
Acenaphthene
Concen: 10.441 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:154 Resp: 164918
Ion Ratio Lower Upper
154 100
153 112.6 89.5 134.3
152 53.1 42.5 63.7

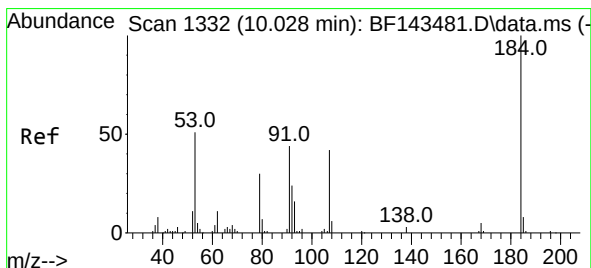
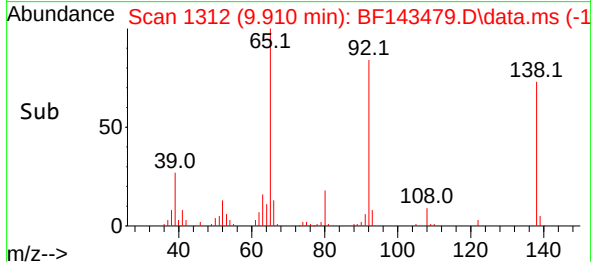
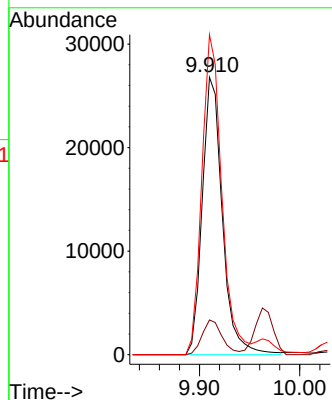
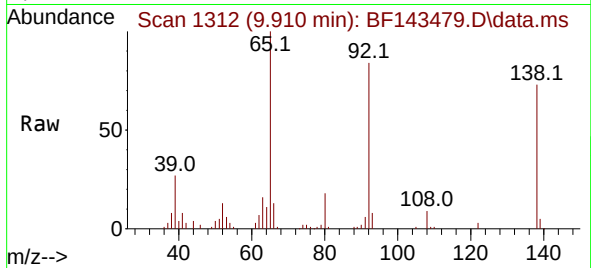




#53
3-Nitroaniline
Concen: 9.523 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

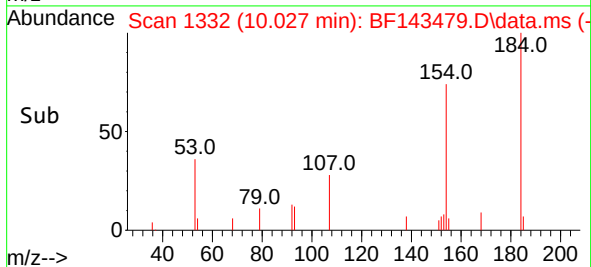
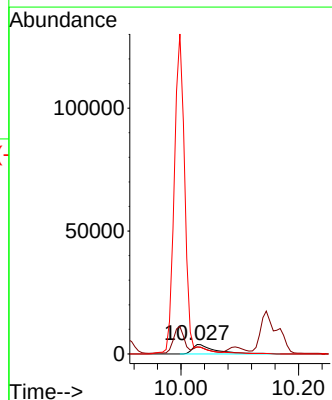
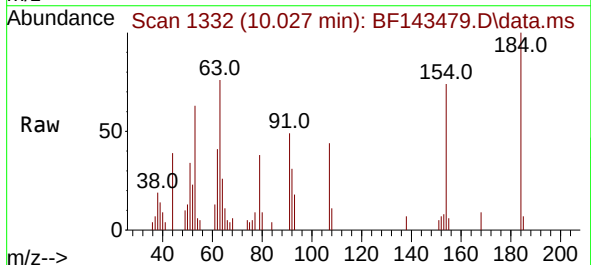
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

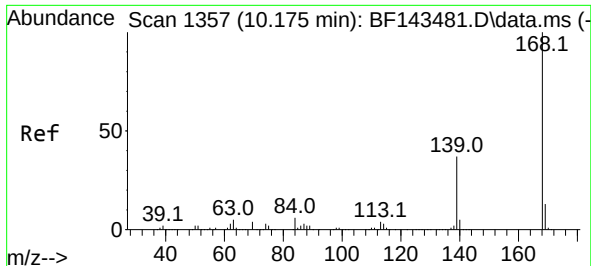
Tgt Ion:138 Resp: 37475
Ion Ratio Lower Upper
138 100
108 12.5 8.6 13.0
92 115.3 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 10.295 ng
RT: 10.027 min Scan# 1332
Delta R.T. -0.001 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:184 Resp: 10431
Ion Ratio Lower Upper
184 100
63 75.6 52.6 78.8
154 73.9 51.0 76.4

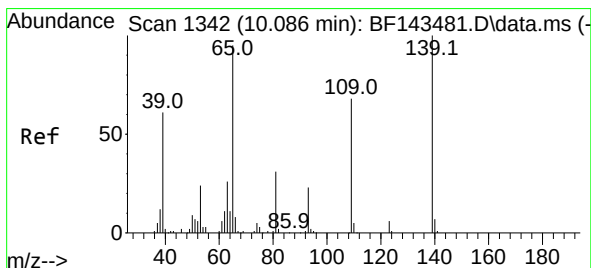
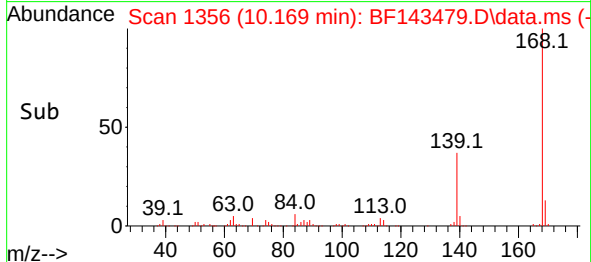
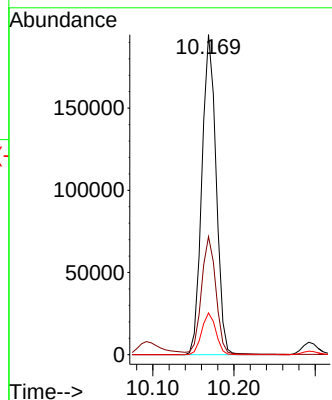
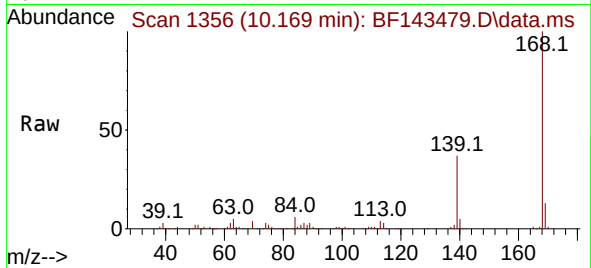




#55
Dibenzenofuran
Concen: 10.528 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

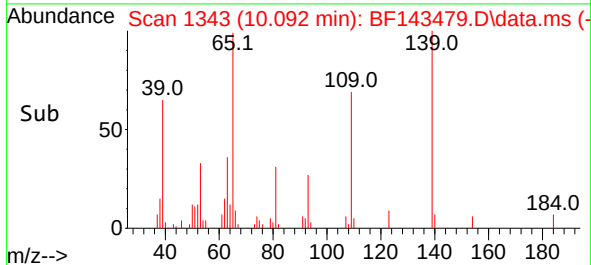
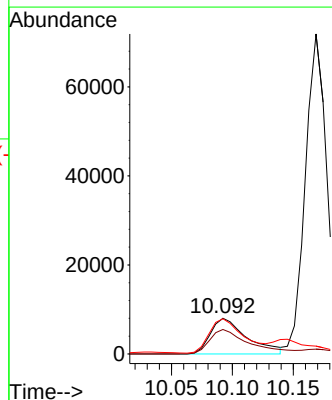
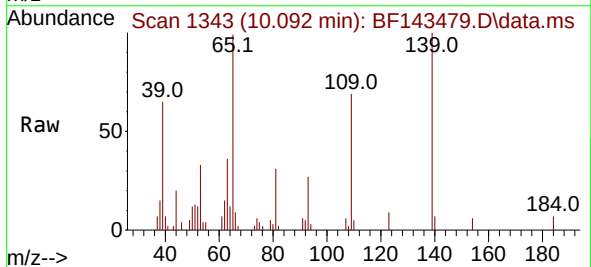
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

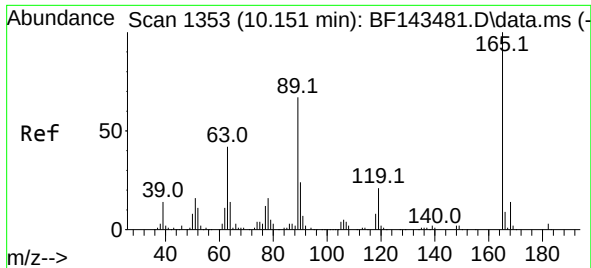
Tgt Ion:168 Resp: 237099
Ion Ratio Lower Upper
168 100
139 36.9 29.8 44.6
169 13.1 10.8 16.2



#56
4-Nitrophenol
Concen: 7.146 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

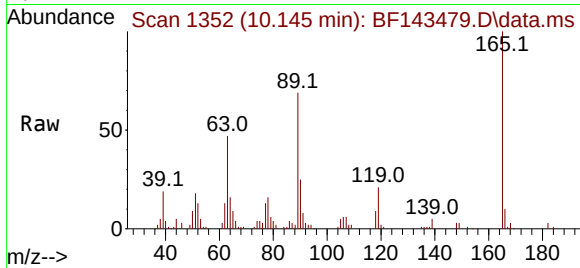
Tgt Ion:139 Resp: 16733
Ion Ratio Lower Upper
139 100
109 68.9 48.2 88.2
65 98.8 75.8 115.8



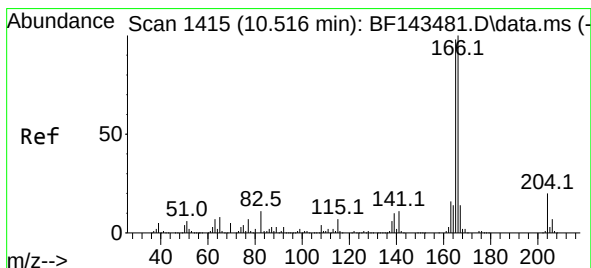
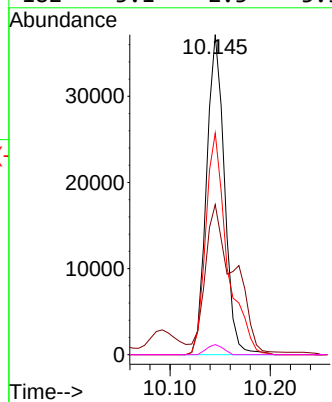
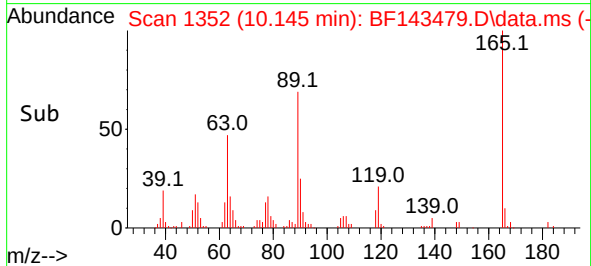


#57
2,4-Dinitrotoluene
Concen: 9.534 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

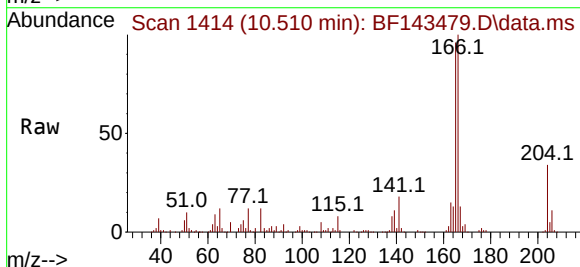
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



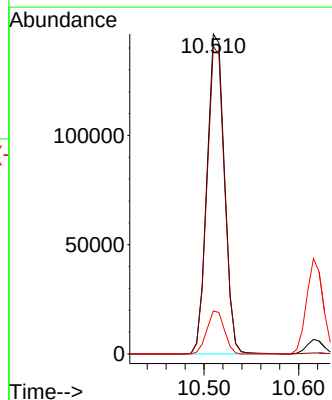
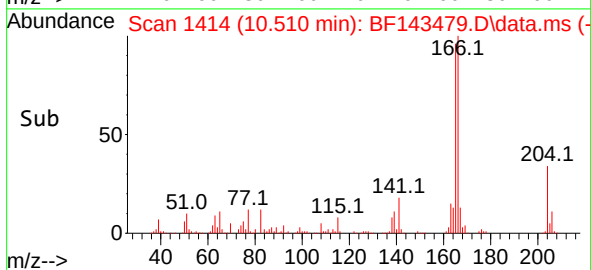
Tgt Ion:165 Resp: 46361
Ion Ratio Lower Upper
165 100
63 46.9 34.9 52.3
89 69.2 53.3 79.9
182 3.1 2.3 3.5

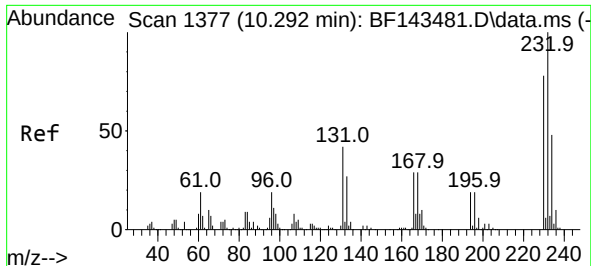


#58
Fluorene
Concen: 10.820 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54



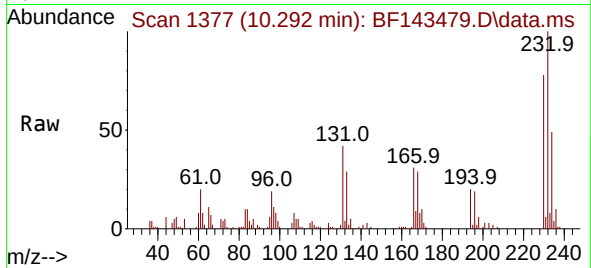
Tgt Ion:166 Resp: 187535
Ion Ratio Lower Upper
166 100
165 96.1 78.3 117.5
167 13.4 11.0 16.4



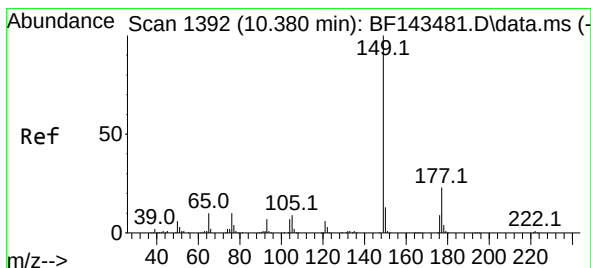
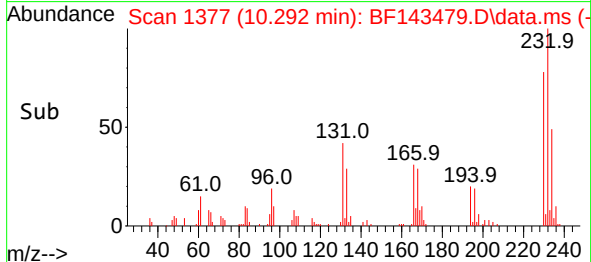
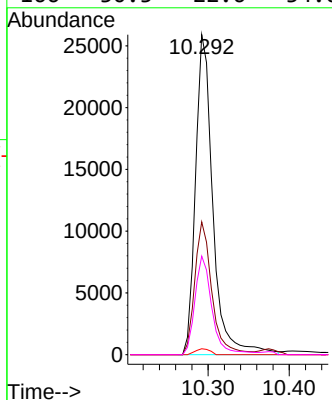


#59
2,3,4,6-Tetrachlorophenol
Concen: 9.253 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

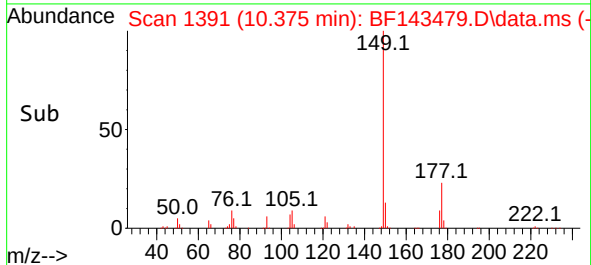
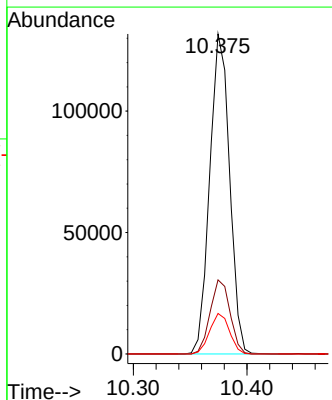
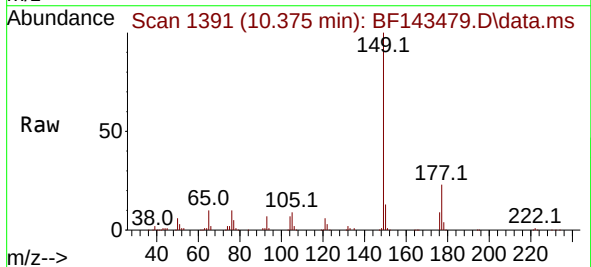


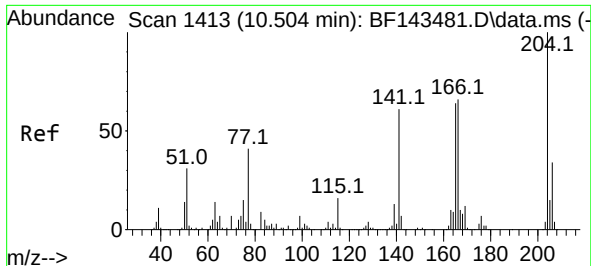
Tgt Ion:232 Resp: 38561
Ion Ratio Lower Upper
232 100
131 41.1 32.7 49.1
130 1.6 1.6 2.4#
166 30.3 22.6 34.0



#60
Diethylphthalate
Concen: 10.156 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:149 Resp: 160006
Ion Ratio Lower Upper
149 100
177 23.2 18.3 27.5
150 12.7 10.3 15.5

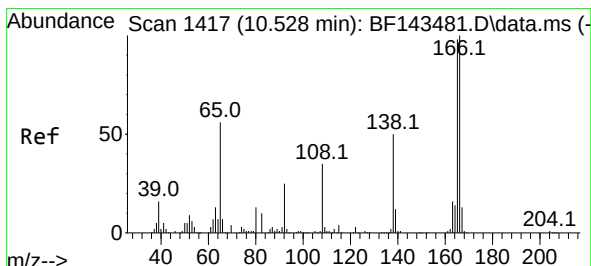
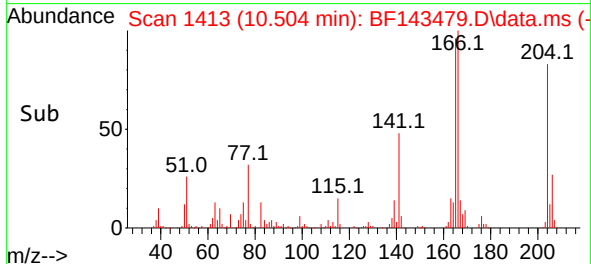
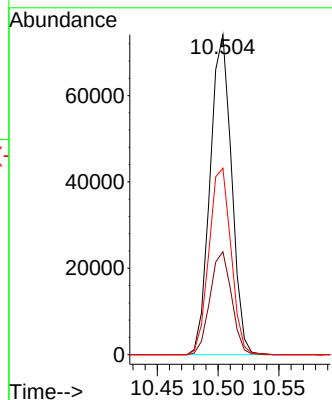
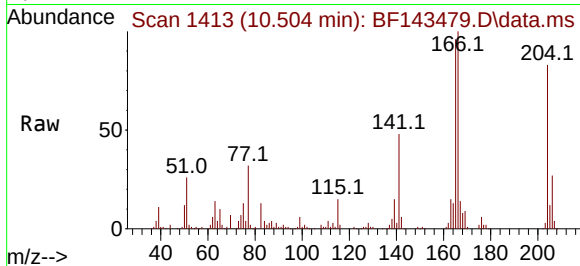




#61
4-Chlorophenyl-phenylether
Concen: 10.494 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

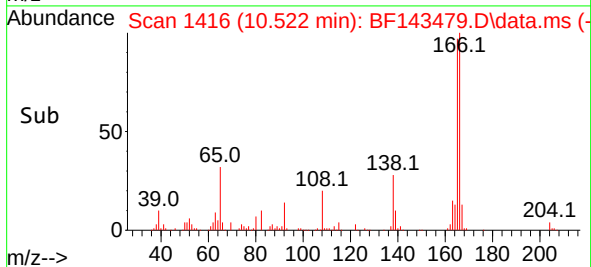
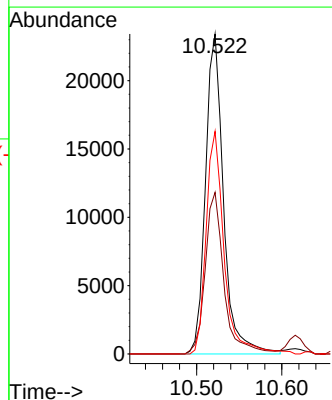
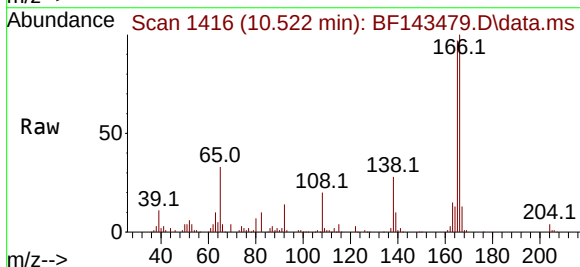
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

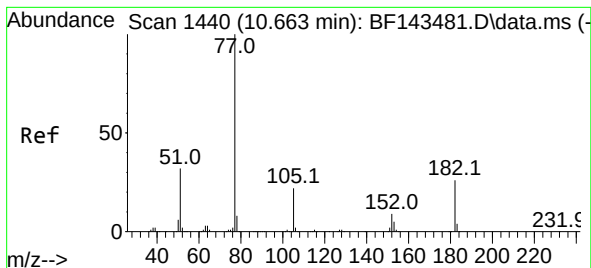
Tgt Ion:204 Resp: 90965
Ion Ratio Lower Upper
204 100
206 32.1 27.0 40.4
141 58.3 48.7 73.1



#62
4-Nitroaniline
Concen: 9.550 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:138 Resp: 34518
Ion Ratio Lower Upper
138 100
92 50.5 29.3 69.3
108 69.5 50.7 90.7



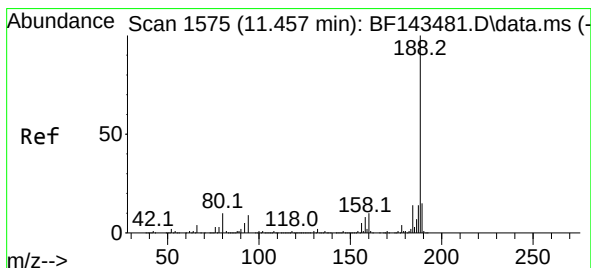
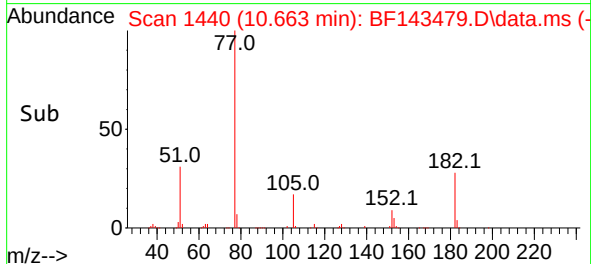
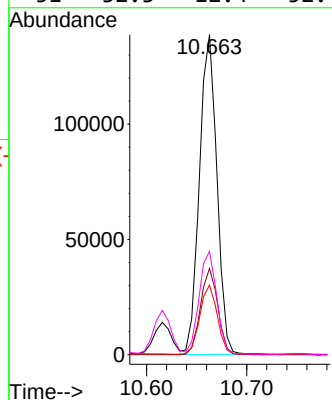
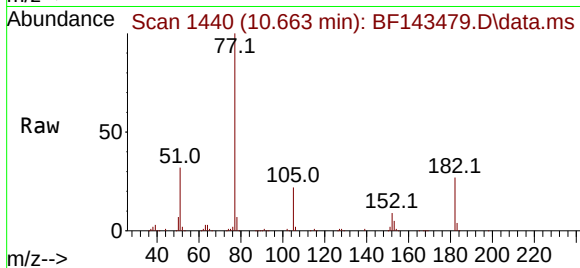


#63
Azobenzene
Concen: 10.307 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 168373

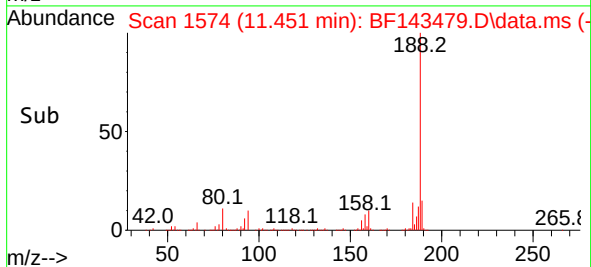
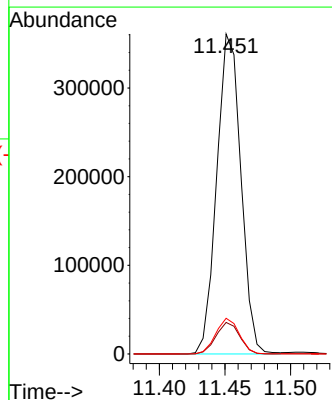
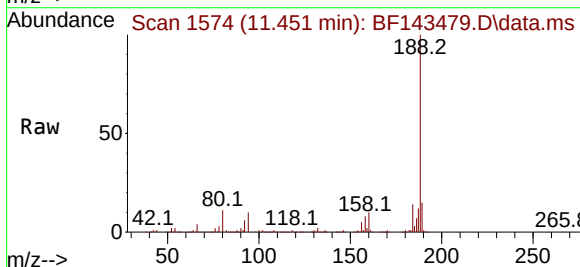
Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.2	46.2
105	21.8	2.2	42.2
51	32.3	12.4	52.4

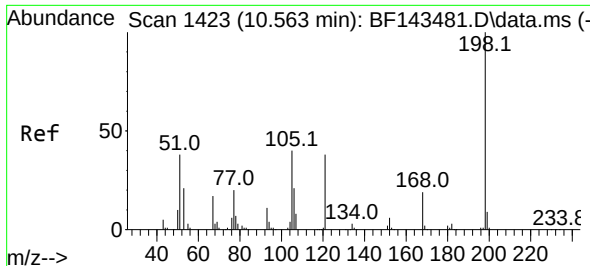


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 188 Resp: 461672

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	11.1	8.2	12.4

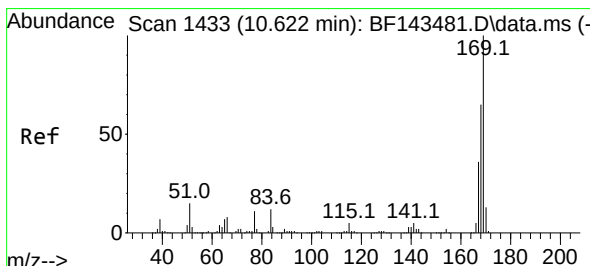
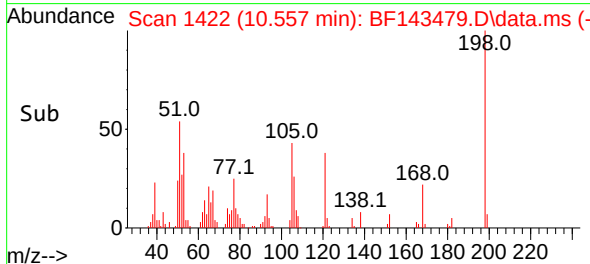
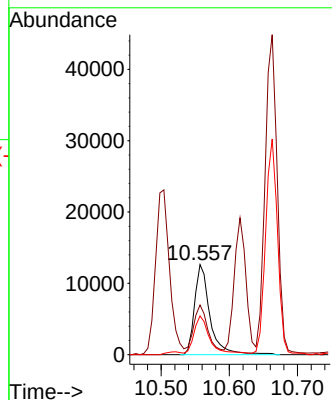
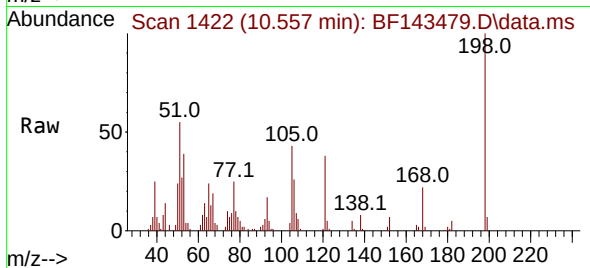




#65
4,6-Dinitro-2-methylphenol
Concen: 7.552 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

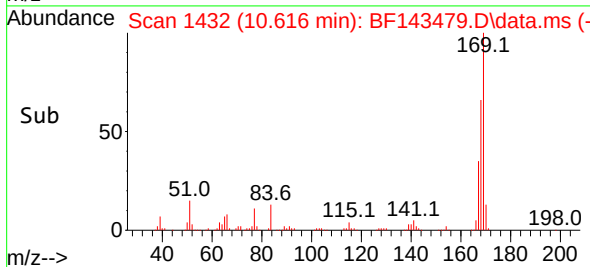
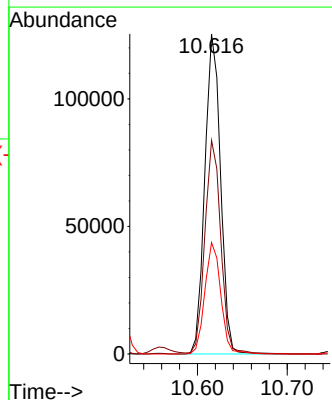
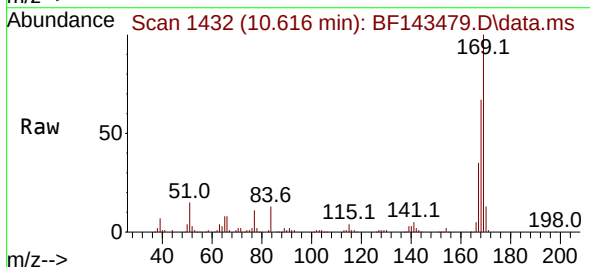
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

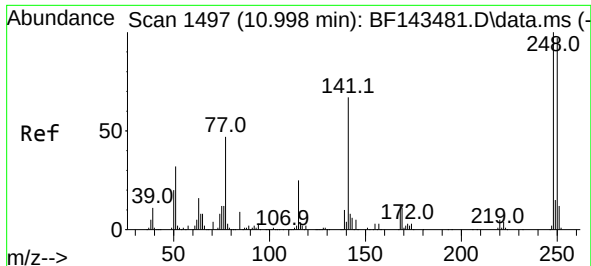
Tgt Ion:198 Resp: 19659
Ion Ratio Lower Upper
198 100
51 55.1 29.6 69.6
105 43.0 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 10.271 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:169 Resp: 152607
Ion Ratio Lower Upper
169 100
168 66.7 52.4 78.6
167 34.8 28.9 43.3

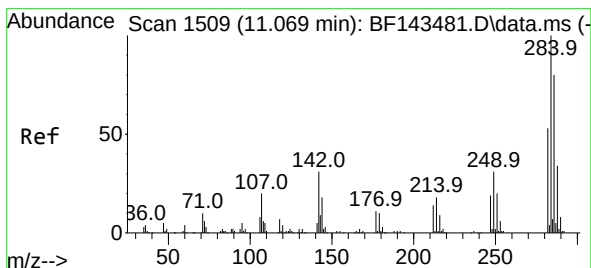
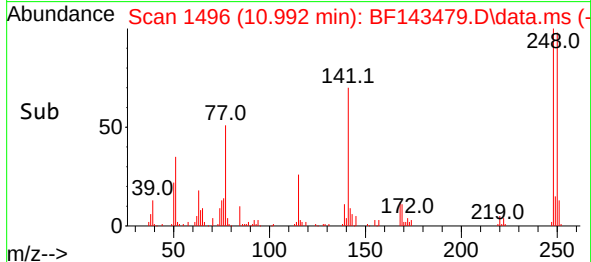
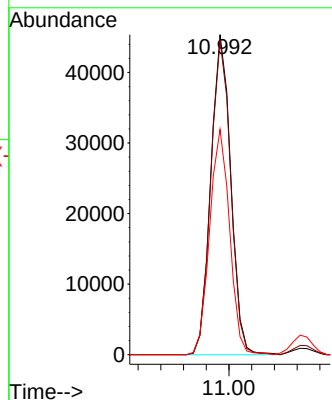
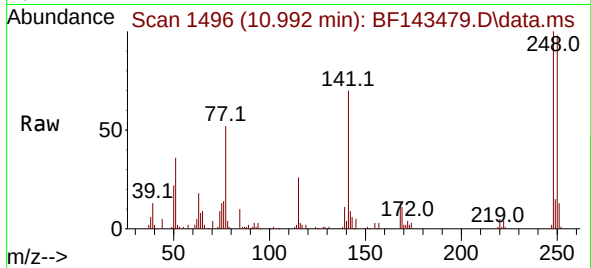




#67
4-Bromophenyl-phenylether
Concen: 10.043 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

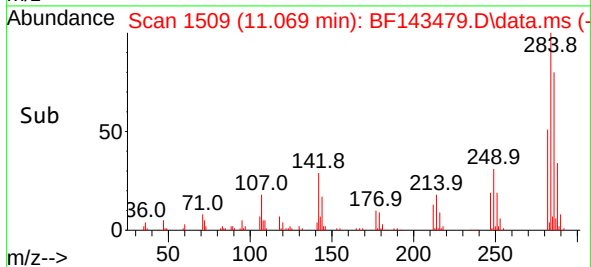
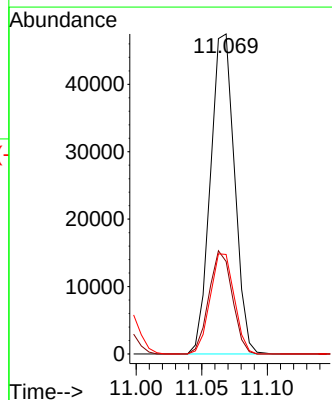
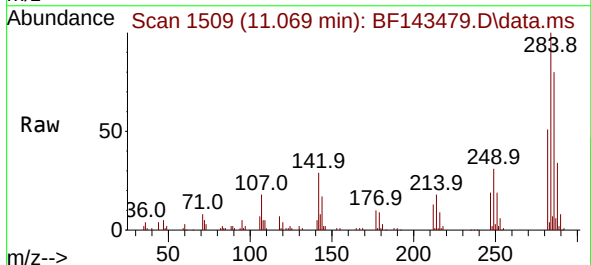
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

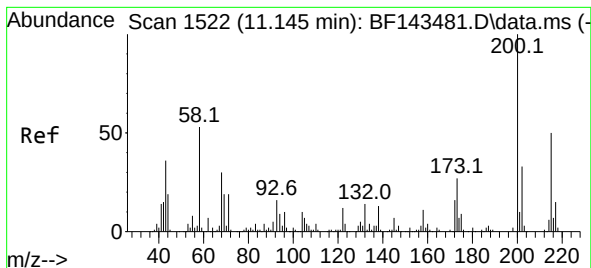
Tgt Ion:248 Resp: 55324
Ion Ratio Lower Upper
248 100
250 98.3 77.8 116.8
141 70.4 54.0 81.0



#68
Hexachlorobenzene
Concen: 10.202 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:284 Resp: 60577
Ion Ratio Lower Upper
284 100
142 28.9 24.4 36.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 9.406 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

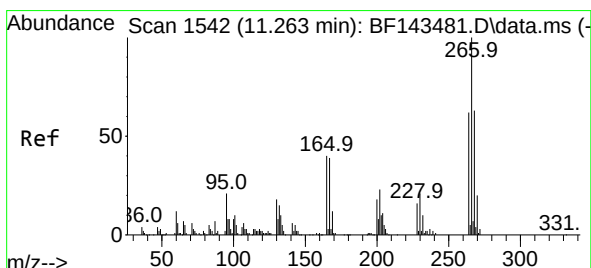
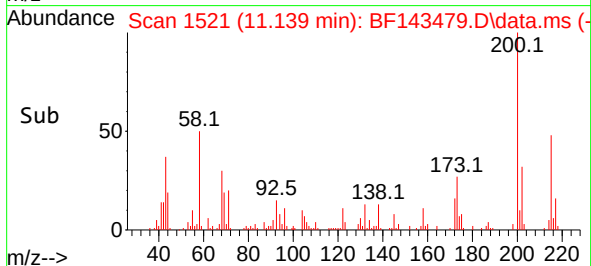
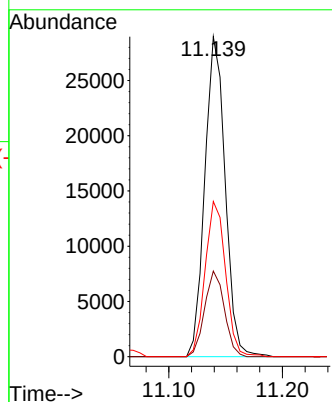
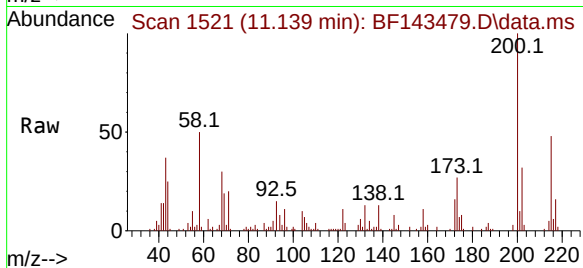
Tgt Ion:200 Resp: 36074

Ion Ratio Lower Upper

200 100

173 26.7 6.9 46.9

215 48.5 30.0 70.0



#70

Pentachlorophenol

Concen: 7.492 ng

RT: 11.269 min Scan# 1543

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

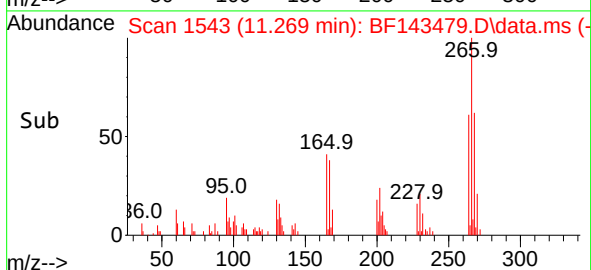
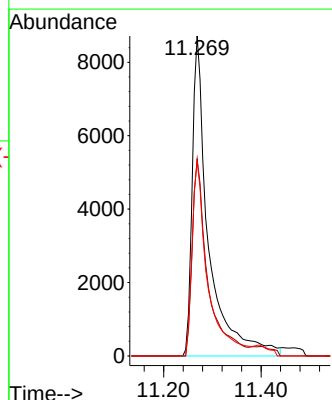
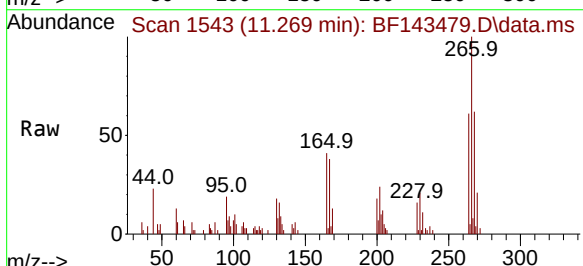
Tgt Ion:266 Resp: 20373

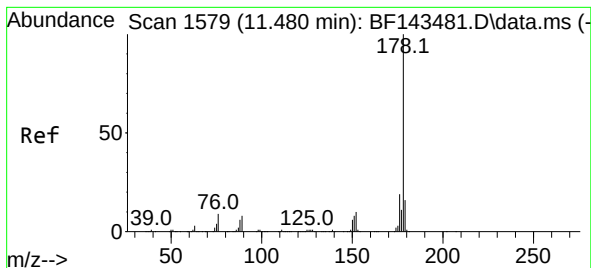
Ion Ratio Lower Upper

266 100

268 61.6 50.5 75.7

264 60.9 49.8 74.8





#71

Phenanthrene

Concen: 10.486 ng

RT: 11.474 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

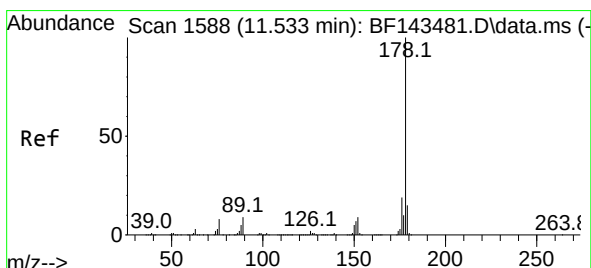
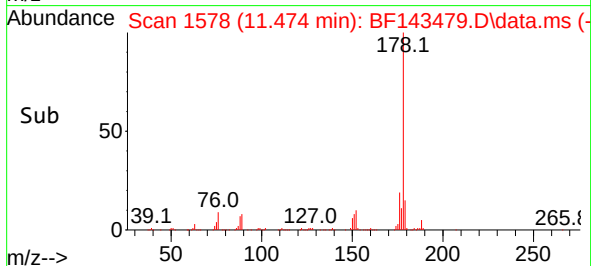
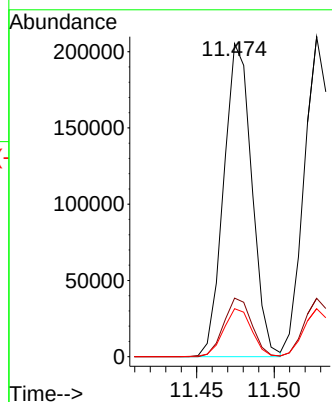
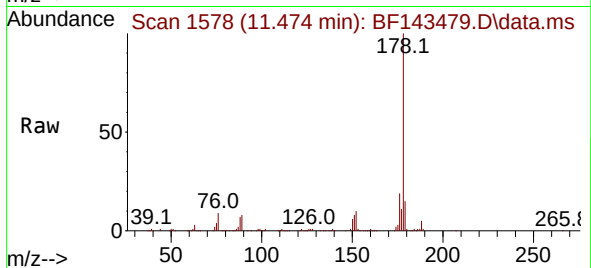
Tgt Ion:178 Resp: 259254

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 15.3 12.5 18.7



#72

Anthracene

Concen: 10.541 ng

RT: 11.527 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

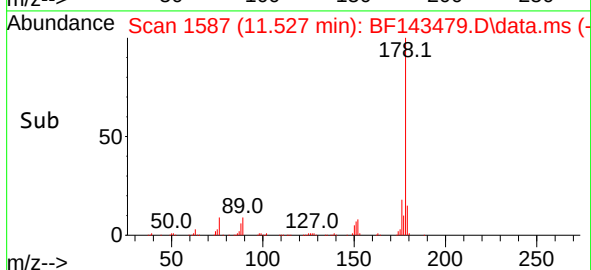
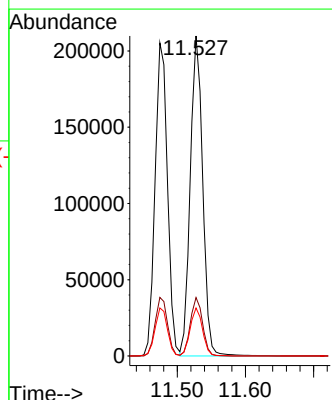
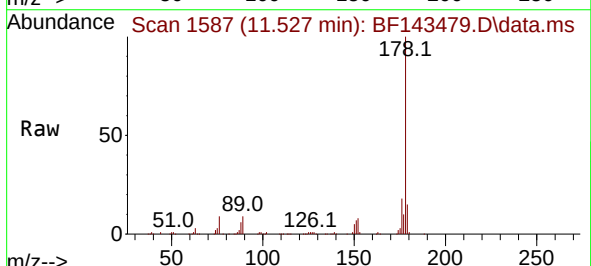
Tgt Ion:178 Resp: 263998

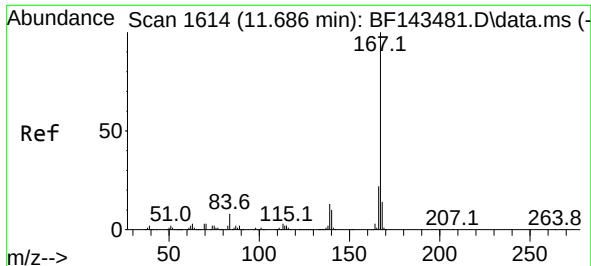
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

179 15.0 12.3 18.5

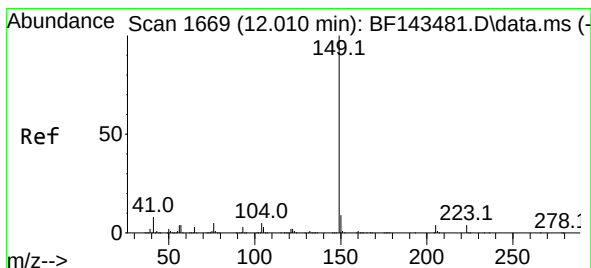
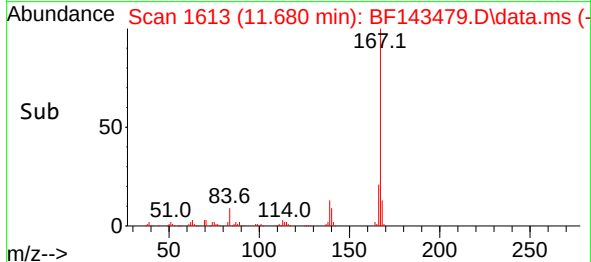
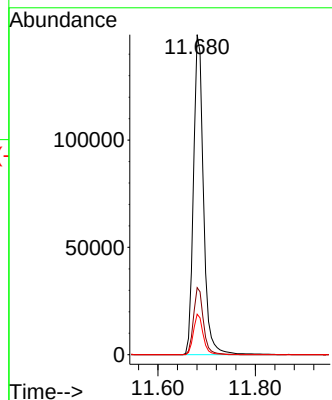
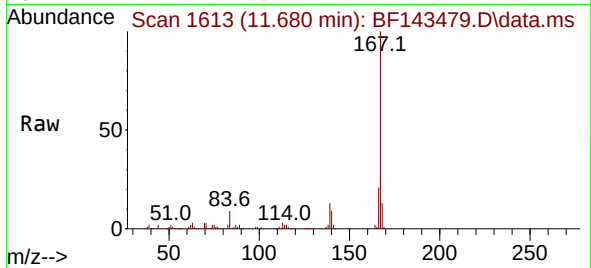




#73
Carbazole
Concen: 10.400 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

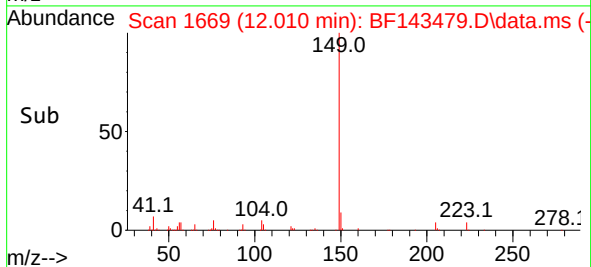
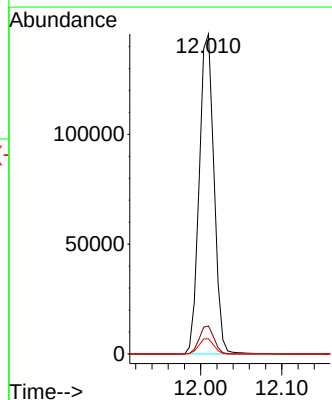
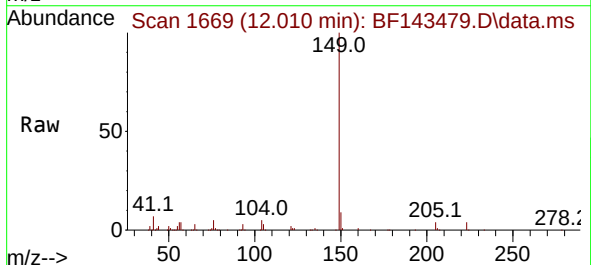
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

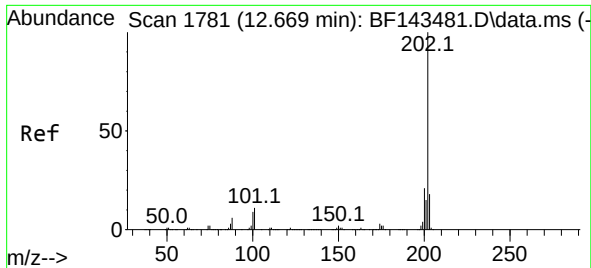
Tgt Ion:167 Resp: 213439
Ion Ratio Lower Upper
167 100
166 20.9 17.3 25.9
139 12.6 10.0 15.0



#74
Di-n-butylphthalate
Concen: 9.642 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:149 Resp: 184596
Ion Ratio Lower Upper
149 100
150 8.8 7.2 10.8
104 4.8 3.6 5.4

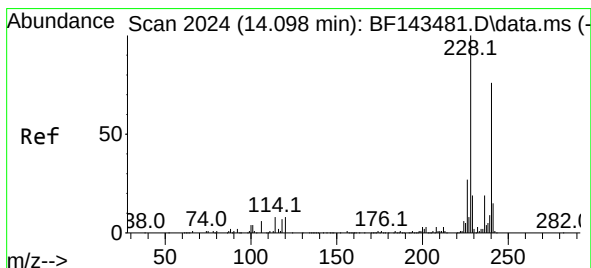
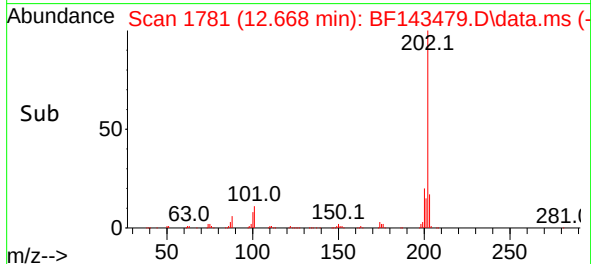
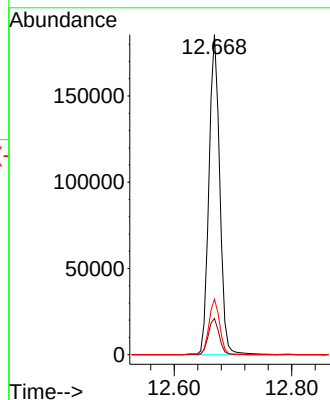
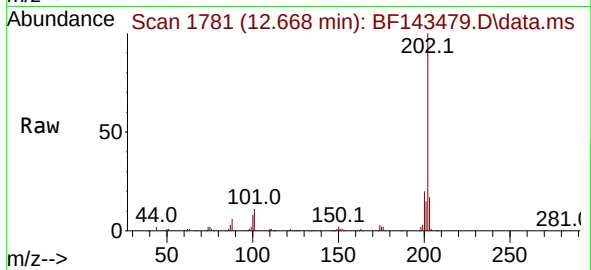




#75
Fluoranthene
Concen: 10.618 ng
RT: 12.668 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

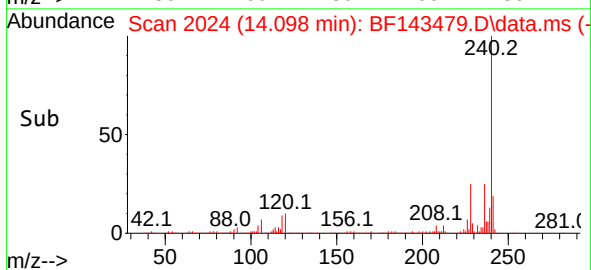
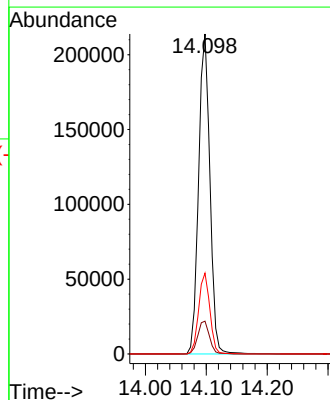
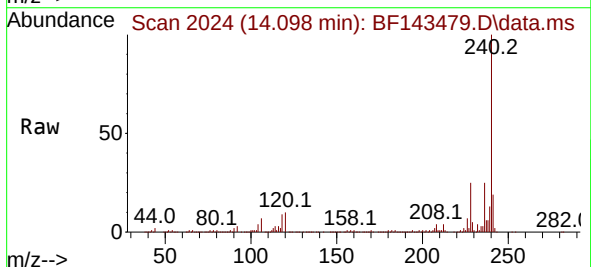
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

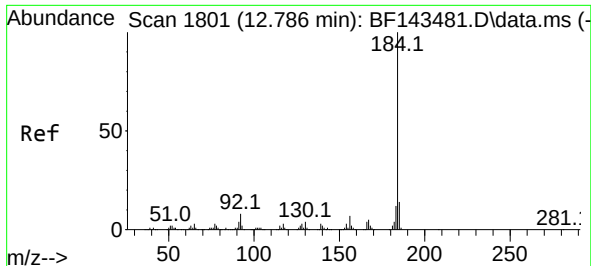
Tgt Ion:202 Resp: 235543
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 17.4 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:240 Resp: 274933
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 25.2 20.4 30.6

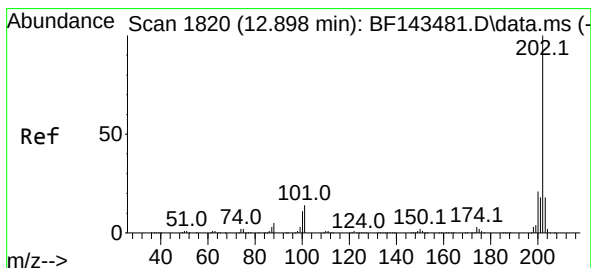
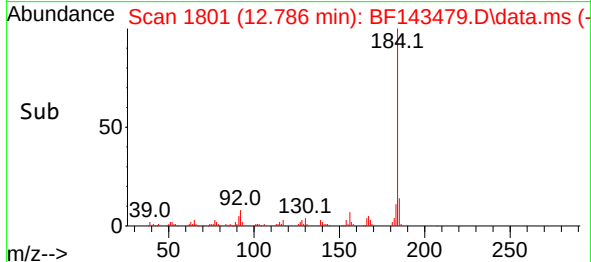
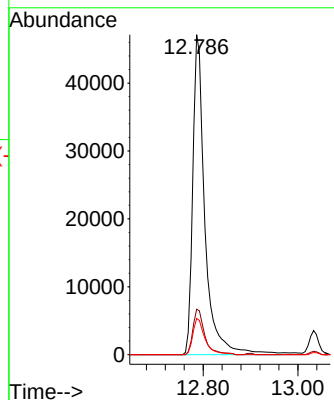
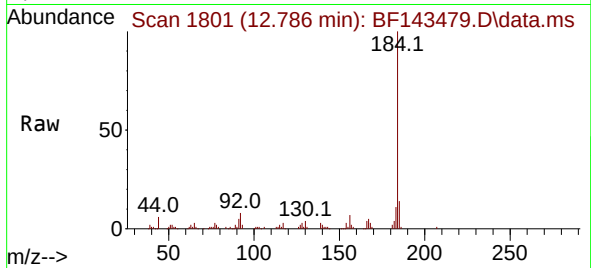




#77
Benzidine
Concen: 12.549 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

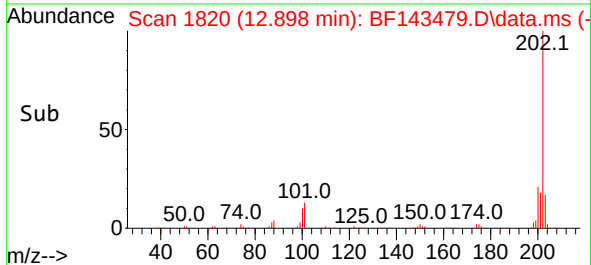
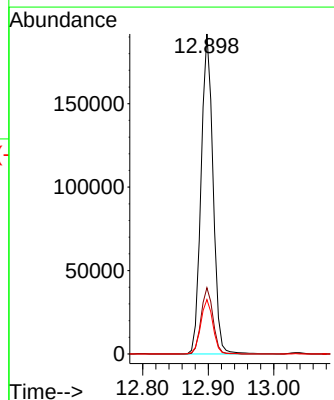
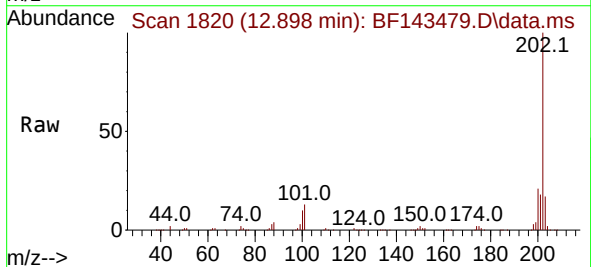
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

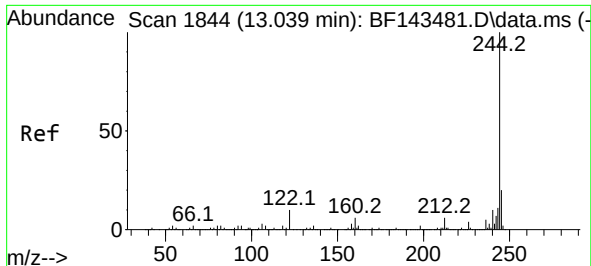
Tgt Ion:184 Resp: 84040
Ion Ratio Lower Upper
184 100
185 14.2 11.3 16.9
183 11.3 9.5 14.3



#78
Pyrene
Concen: 10.747 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:202 Resp: 243049
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 17.0 14.3 21.5

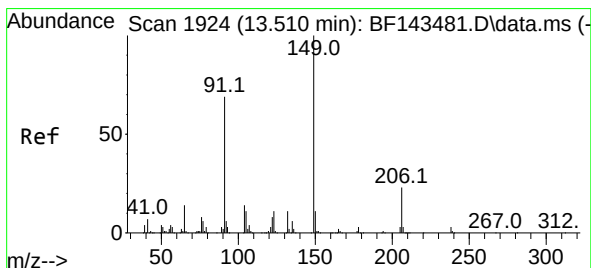
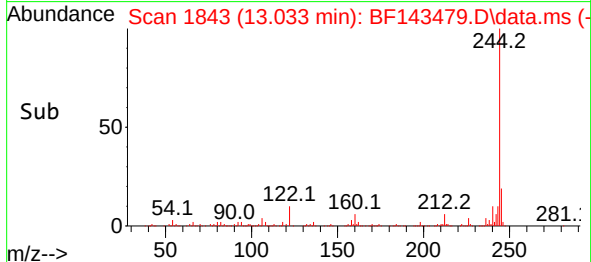
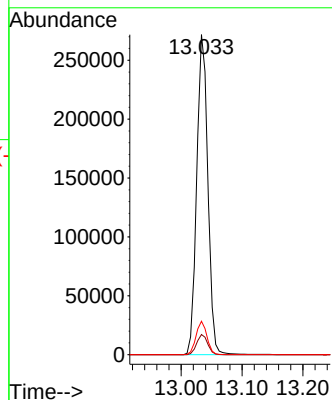
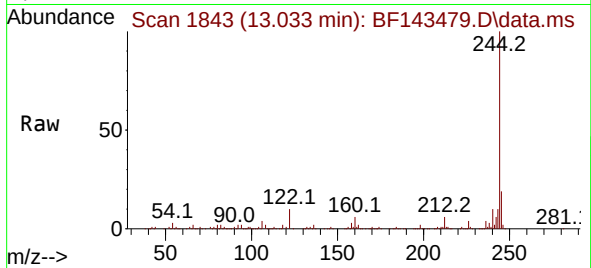




#79
 Terphenyl-d14
 Concen: 21.893 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143479.D
 Acq: 20 Aug 2025 11:54

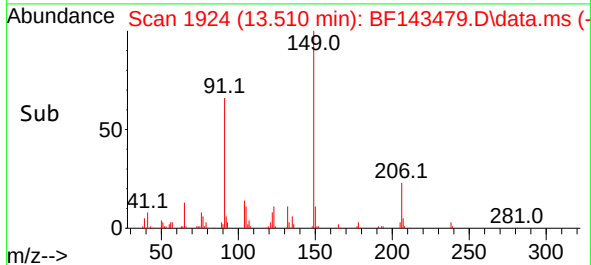
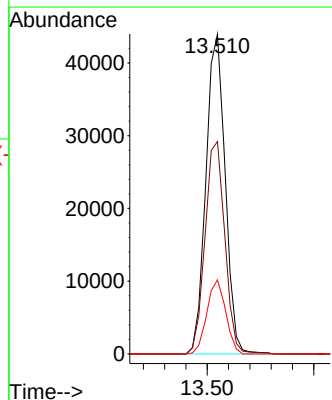
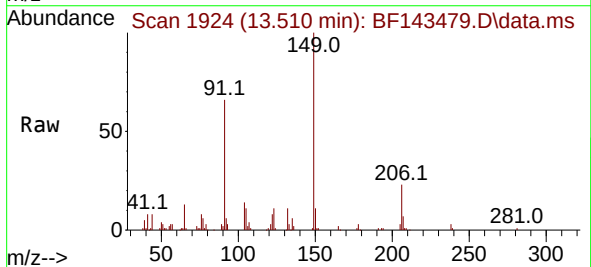
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

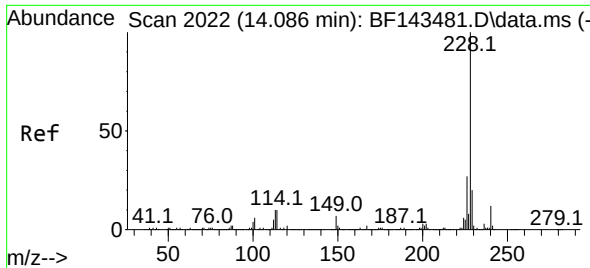
Tgt Ion:244 Resp: 344924
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 10.4 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 8.939 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: BF143479.D
 Acq: 20 Aug 2025 11:54

Tgt Ion:149 Resp: 55227
 Ion Ratio Lower Upper
 149 100
 91 66.4 55.3 82.9
 206 23.1 18.2 27.4

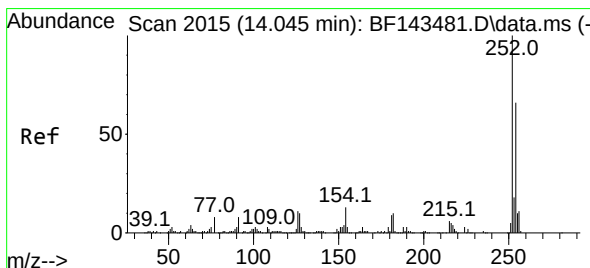
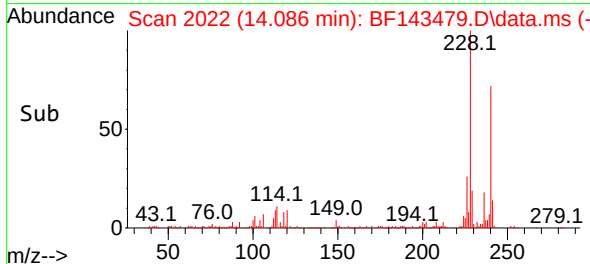
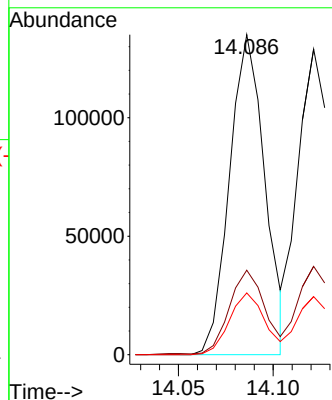
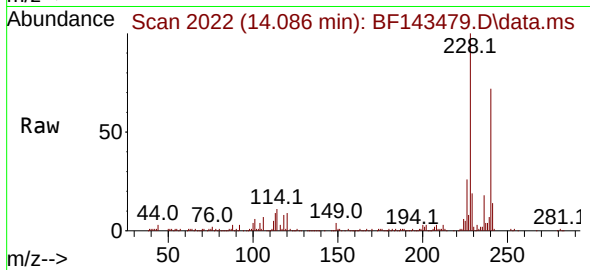




#81
Benzo(a)anthracene
Concen: 9.898 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

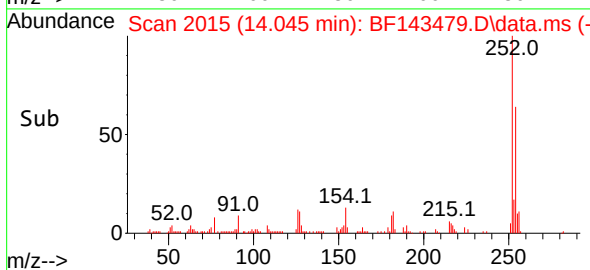
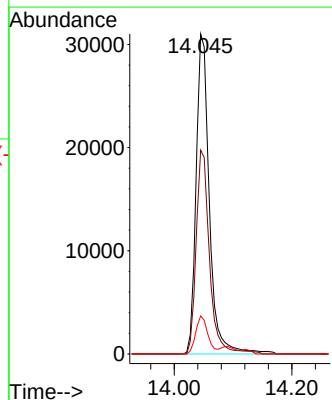
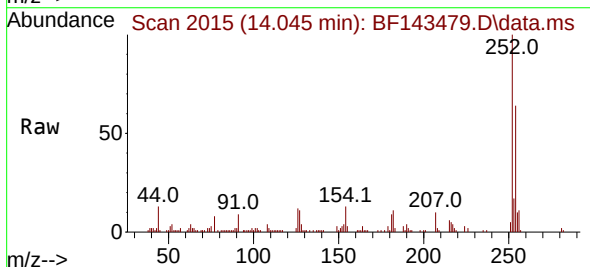
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

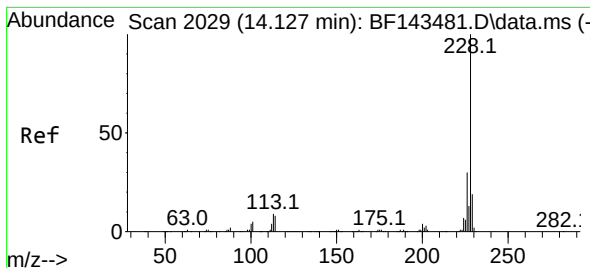
Tgt Ion:	228	Resp:	175192
Ion Ratio	Lower	Upper	
228	100		
226	26.4	21.7	32.5
229	19.3	15.7	23.5



#82
3,3'-Dichlorobenzidine
Concen: 9.566 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:	252	Resp:	48491
Ion Ratio	Lower	Upper	
252	100		
254	63.7	52.6	79.0
126	11.9	8.7	13.1





#83

Chrysene

Concen: 10.323 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

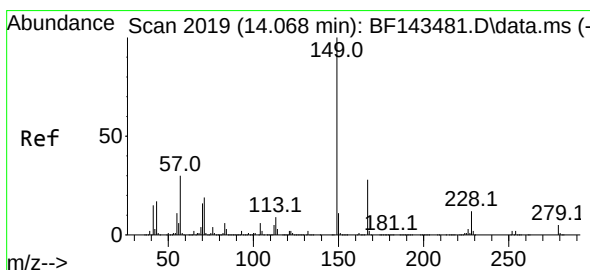
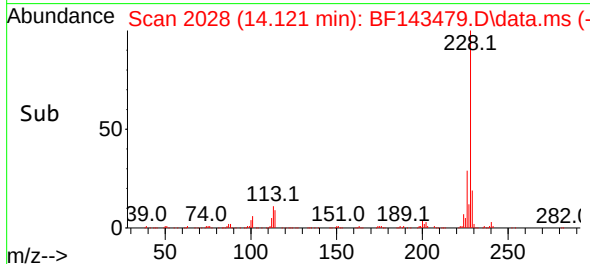
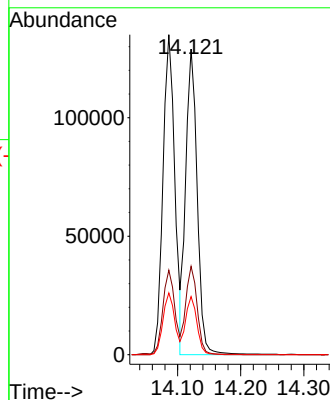
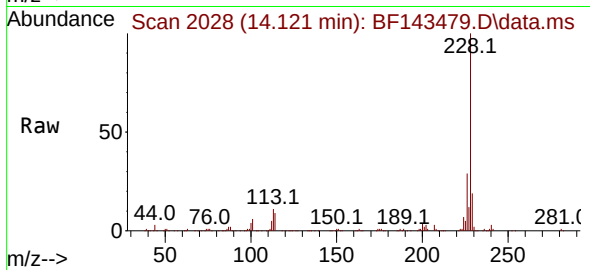
Tgt Ion:228 Resp: 164205

Ion Ratio Lower Upper

228 100

226 28.9 23.7 35.5

229 19.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.146 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

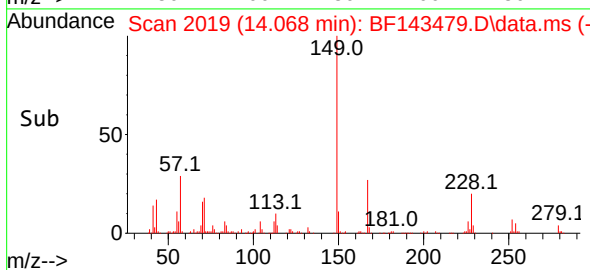
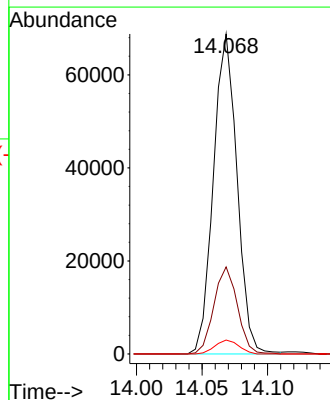
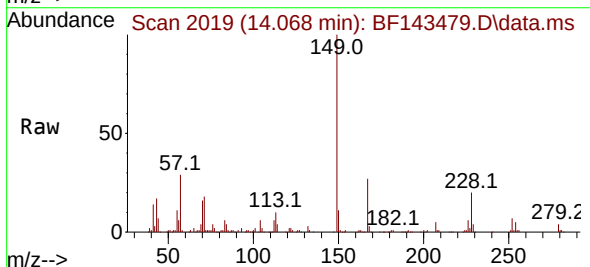
Tgt Ion:149 Resp: 86065

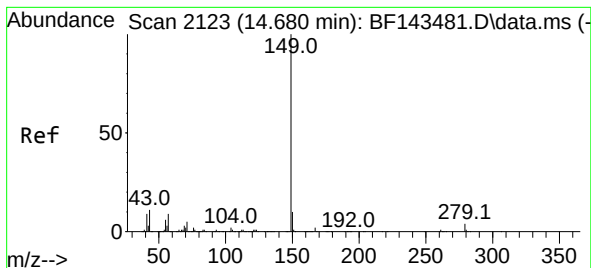
Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.2

279 4.4 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 8.906 ng

RT: 14.680 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

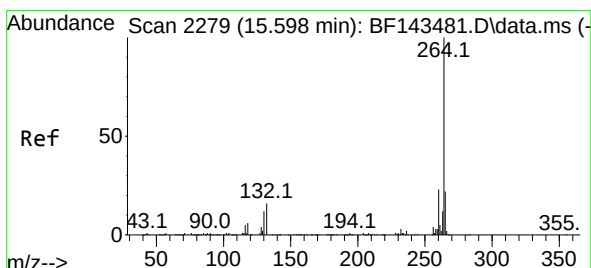
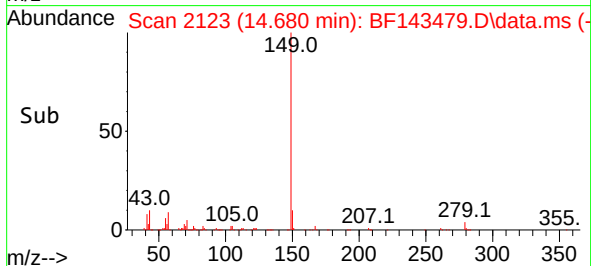
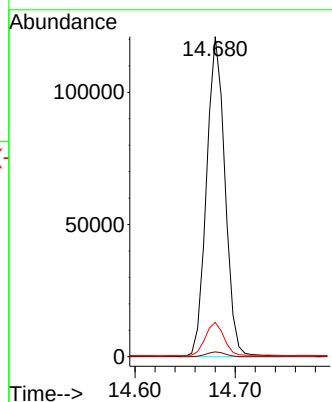
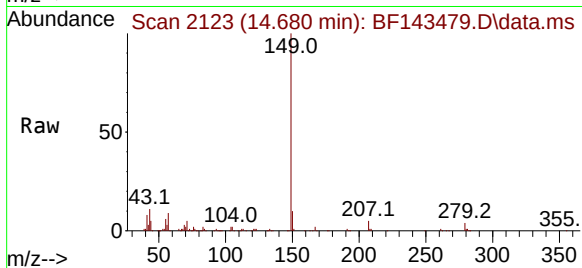
Tgt Ion:149 Resp: 155239

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.5 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.598 min Scan# 2279

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

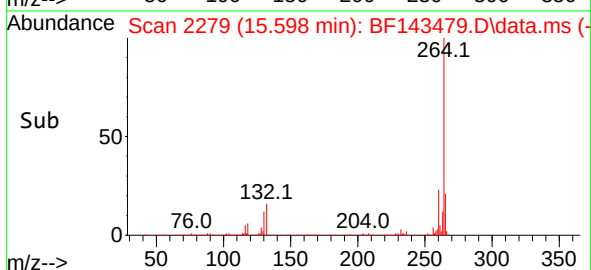
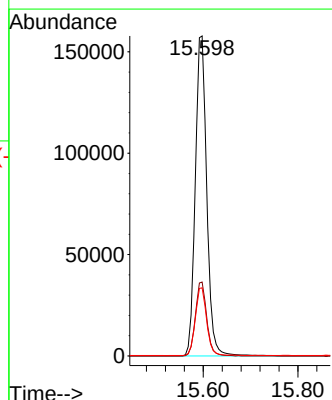
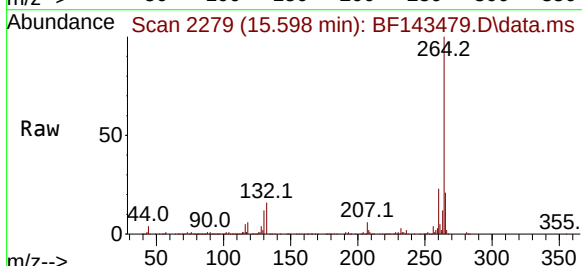
Tgt Ion:264 Resp: 265385

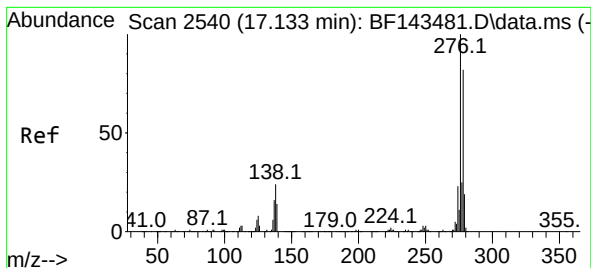
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.3 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.970 ng

RT: 17.121 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

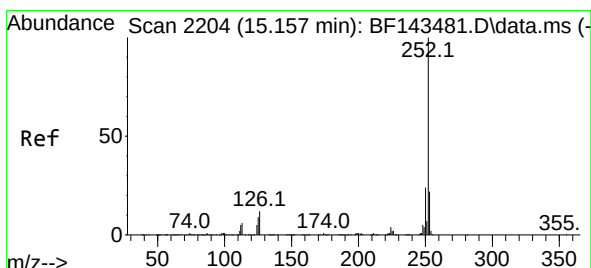
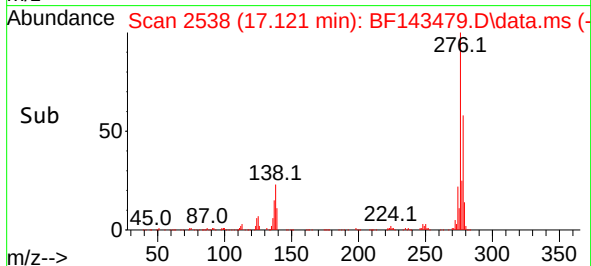
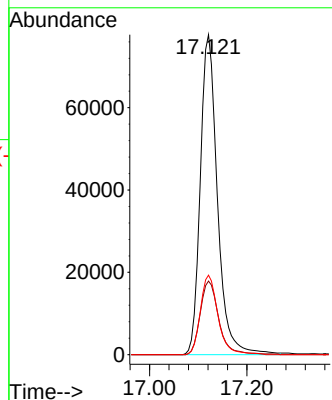
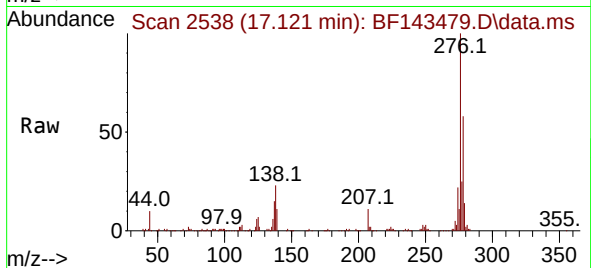
Tgt Ion:276 Resp: 190133

Ion Ratio Lower Upper

276 100

138 25.0 19.2 28.8

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 10.314 ng

RT: 15.151 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

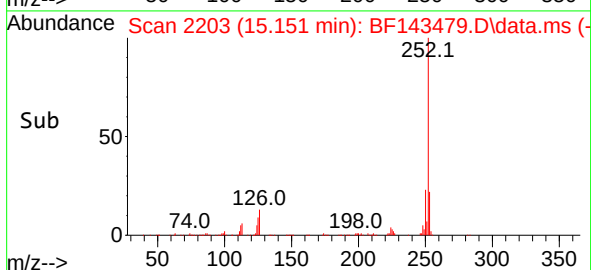
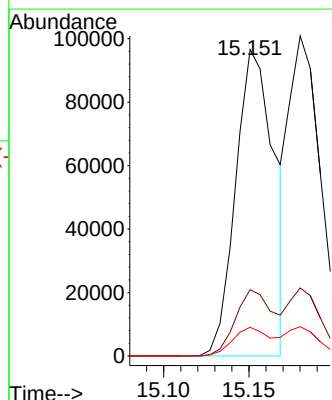
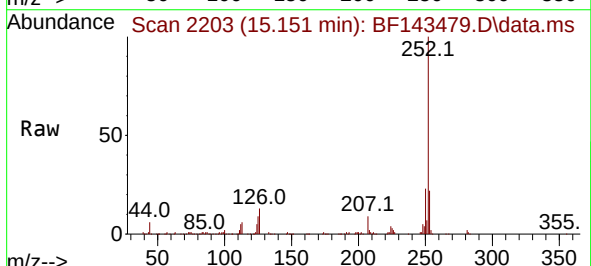
Tgt Ion:252 Resp: 152145

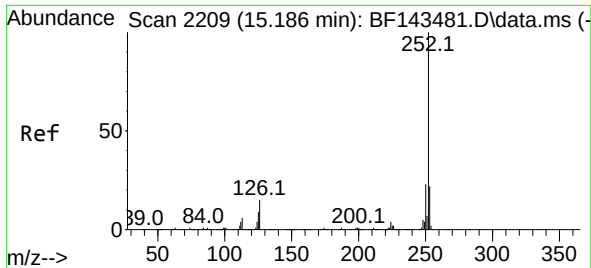
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 9.4 7.4 11.0

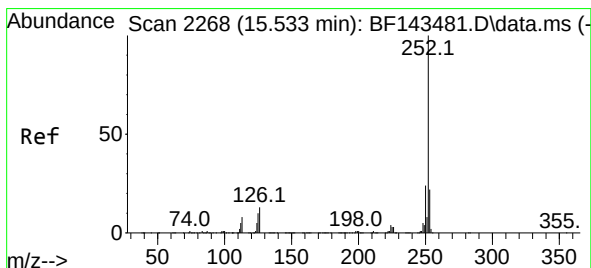
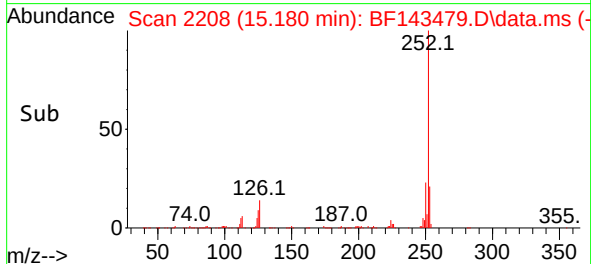
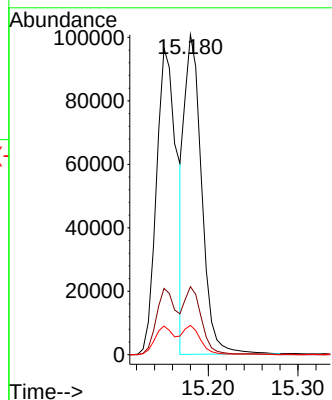
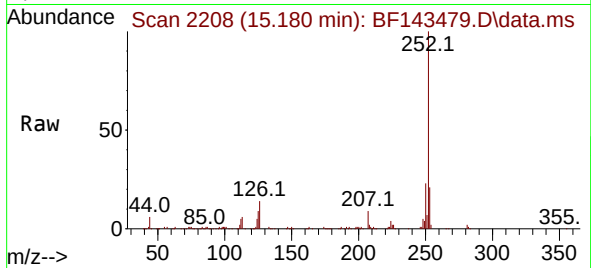




#89
Benzo(k)fluoranthene
Concen: 9.524 ng
RT: 15.180 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

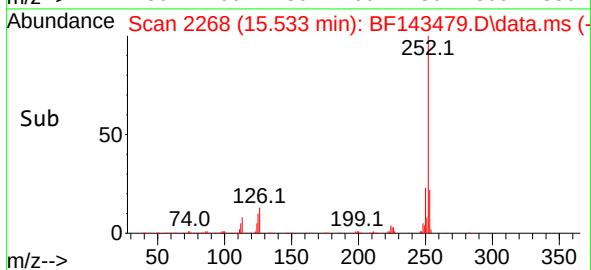
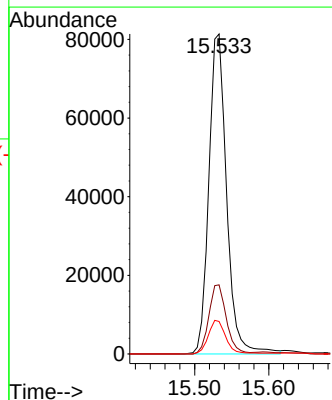
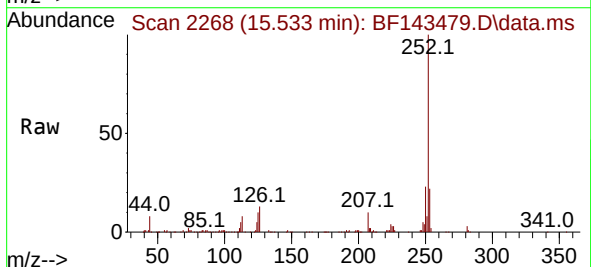
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

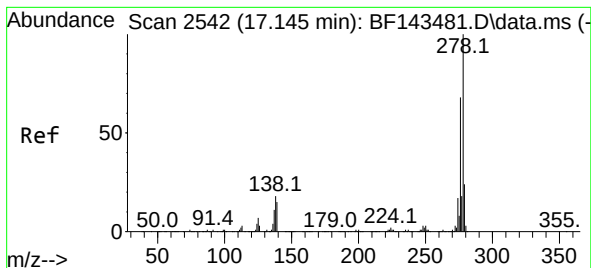
Tgt Ion:252 Resp: 134513
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 9.2 7.4 11.0



#90
Benzo(a)pyrene
Concen: 9.898 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:252 Resp: 135536
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 10.1 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 10.113 ng

RT: 17.133 min Scan# 2542

Delta R.T. -0.024 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

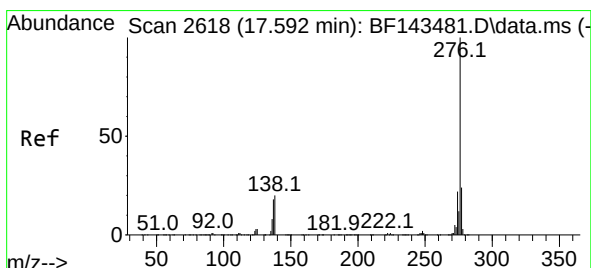
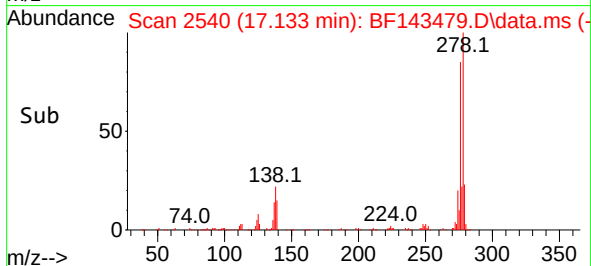
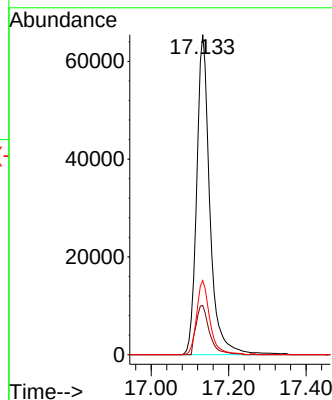
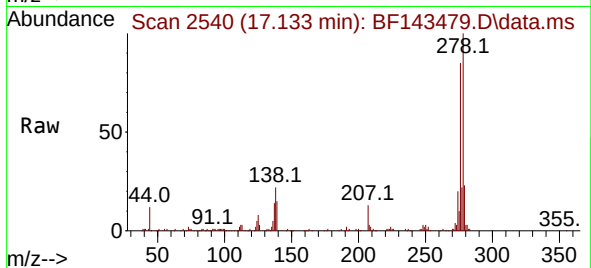
Tgt Ion:278 Resp: 154454

Ion Ratio Lower Upper

278 100

139 15.3 12.1 18.1

279 23.1 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 9.865 ng

RT: 17.580 min Scan# 2616

Delta R.T. -0.024 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

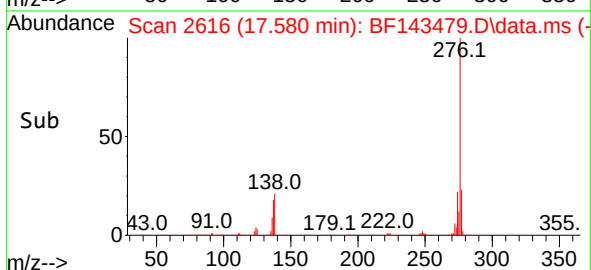
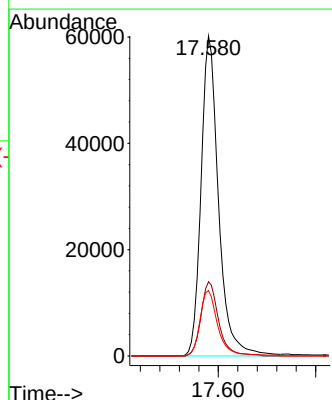
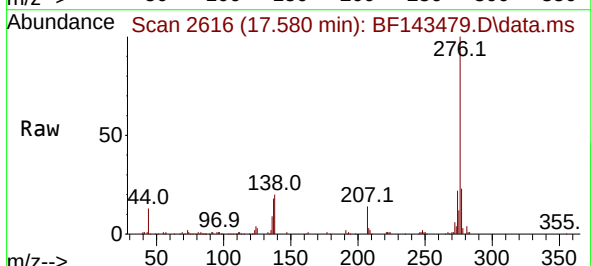
Tgt Ion:276 Resp: 149813

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 20.5 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143480.D
 Acq On : 20 Aug 2025 12:23
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Aug 20 16:23:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	135122	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	502602	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	273375	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	425626	20.000	ng	0.00
76) Chrysene-d12	14.098	240	241250	20.000	ng	0.00
86) Perylene-d12	15.598	264	255472	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	322546	41.682	ng	0.00
7) Phenol-d6	6.557	99	397415	41.604	ng	-0.02
23) Nitrobenzene-d5	7.487	82	358365	41.608	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	106021	41.663	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	723237	43.723	ng	0.00
79) Terphenyl-d14	13.033	244	601957	43.541	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	72831	20.317	ng	99
3) Pyridine	3.528	79	193877	20.306	ng	100
4) n-Nitrosodimethylamine	3.452	42	83662	19.492	ng	97
6) Aniline	6.587	93	264694	20.731	ng	99
8) 2-Chlorophenol	6.716	128	175887	20.579	ng	99
9) Benzaldehyde	6.475	77	132575	17.142	ng	100
10) Phenol	6.575	94	233093	21.182	ng	91
11) bis(2-Chloroethyl)ether	6.657	93	166906	20.296	ng	99
12) 1,3-Dichlorobenzene	6.869	146	198141	20.633	ng	99
13) 1,4-Dichlorobenzene	6.945	146	200428	20.806	ng	99
14) 1,2-Dichlorobenzene	7.098	146	187297	20.536	ng	100
15) Benzyl Alcohol	7.063	79	143623	20.082	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	277424	21.087	ng	96
17) 2-Methylphenol	7.181	107	142643	20.794	ng	95
18) Hexachloroethane	7.439	117	67887	20.727	ng	98
19) n-Nitroso-di-n-propyla...	7.328	70	118831	20.353	ng	97
20) 3+4-Methylphenols	7.334	107	178398	21.785	ng	98
22) Acetophenone	7.328	105	230609	21.238	ng	# 99
24) Nitrobenzene	7.504	77	183817	20.736	ng	99
25) Isophorone	7.745	82	323869	20.513	ng	98
26) 2-Nitrophenol	7.822	139	88771	20.444	ng	98
27) 2,4-Dimethylphenol	7.863	122	141452	20.897	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	201584	20.776	ng	99
29) 2,4-Dichlorophenol	8.069	162	152215	21.055	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	157575	21.200	ng	99
31) Naphthalene	8.234	128	509408	21.111	ng	100
32) Benzoic acid	7.963	122	58396	19.199	ng	98
33) 4-Chloroaniline	8.275	127	181928	21.243	ng	99
34) Hexachlorobutadiene	8.351	225	100875	20.802	ng	99
35) Caprolactam	8.628	113	33991	19.594	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	152197	21.008	ng	98
37) 2-Methylnaphthalene	8.922	142	343900	21.339	ng	99
38) 1-Methylnaphthalene	9.022	142	326683	21.191	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	167691	21.445	ng	100
41) Hexachlorocyclopentadiene	9.081	237	41723	19.072	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	99517	20.683	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143480.D
 Acq On : 20 Aug 2025 12:23
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Aug 20 16:23:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

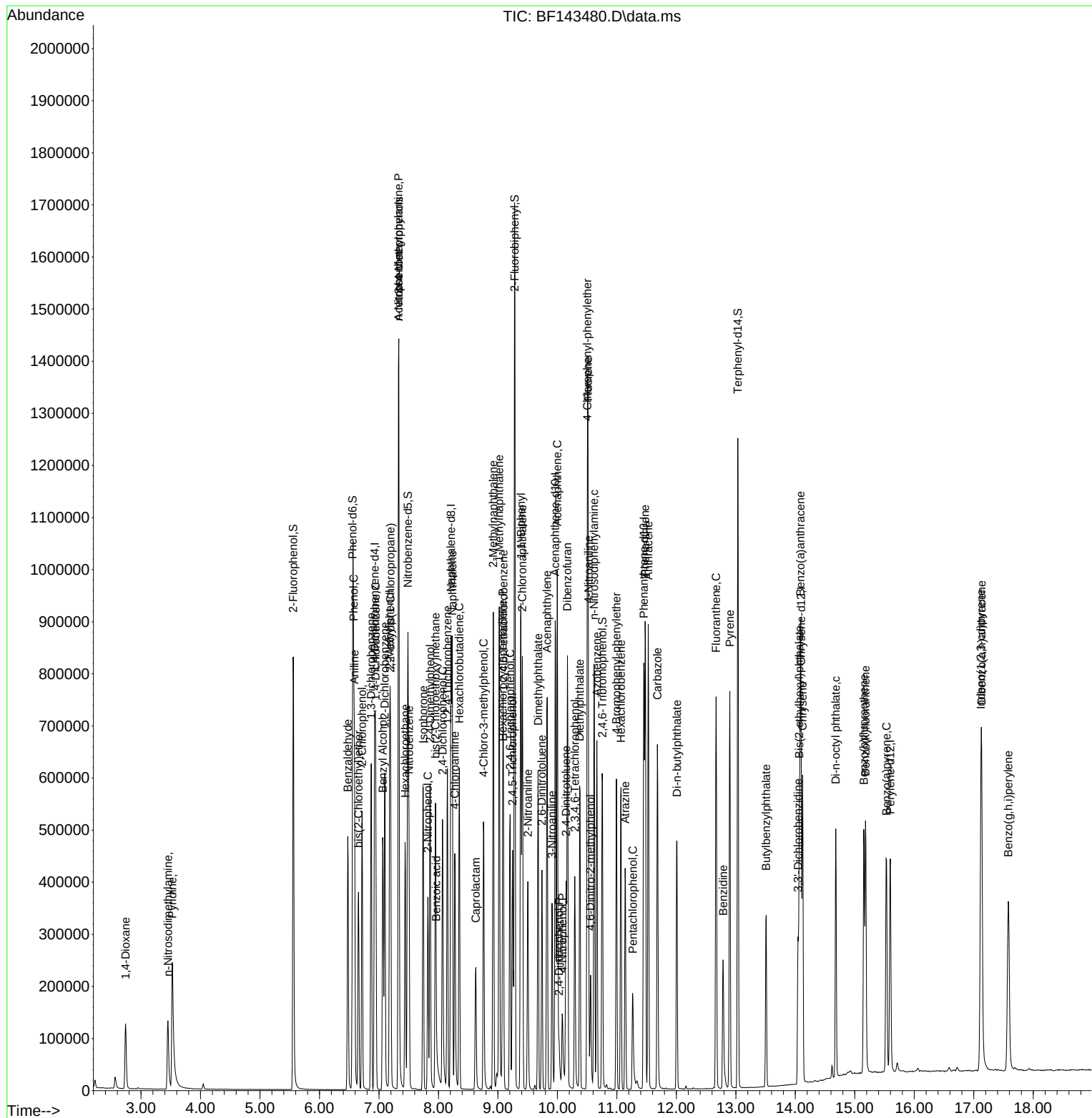
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	112939	21.488	ng	97
46) 1,1'-Biphenyl	9.386	154	415294	21.403	ng	99
47) 2-Chloronaphthalene	9.410	162	320277	21.037	ng	99
48) 2-Nitroaniline	9.504	65	92468	20.753	ng	98
49) Acenaphthylene	9.828	152	461236	21.158	ng	100
50) Dimethylphthalate	9.675	163	342268	20.788	ng	100
51) 2,6-Dinitrotoluene	9.739	165	70716	20.723	ng	98
52) Acenaphthene	9.998	154	310782	20.998	ng	100
53) 3-Nitroaniline	9.910	138	76663	20.791	ng	97
54) 2,4-Dinitrophenol	10.028	184	26974	19.096	ng	94
55) Dibenzofuran	10.169	168	450207	21.335	ng	100
56) 4-Nitrophenol	10.086	139	40278	18.359	ng	99
57) 2,4-Dinitrotoluene	10.145	165	95333	20.923	ng	98
58) Fluorene	10.516	166	347075	21.370	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	81629	20.905	ng	99
60) Diethylphthalate	10.375	149	303476	20.558	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	171724	21.142	ng	98
62) 4-Nitroaniline	10.522	138	70583	20.840	ng	99
63) Azobenzene	10.663	77	321721	21.019	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	43824	18.261	ng	93
66) n-Nitrosodiphenylamine	10.616	169	288871	21.089	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	106363	20.944	ng	97
68) Hexachlorobenzene	11.069	284	113714	20.773	ng	98
69) Atrazine	11.139	200	69831	19.750	ng	98
70) Pentachlorophenol	11.269	266	45302	18.070	ng	97
71) Phenanthrene	11.475	178	480915	21.099	ng	99
72) Anthracene	11.527	178	488675	21.164	ng	100
73) Carbazole	11.680	167	396704	20.967	ng	100
74) Di-n-butylphthalate	12.010	149	353228	20.013	ng	100
75) Fluoranthene	12.669	202	426351	20.846	ng	99
77) Benzidine	12.786	184	160347	27.286	ng	99
78) Pyrene	12.898	202	432575	21.798	ng	99
80) Butylbenzylphthalate	13.510	149	106788	19.698	ng	98
81) Benzo(a)anthracene	14.086	228	313687	20.196	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	93226	20.959	ng	98
83) Chrysene	14.121	228	292523	20.957	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	168717	20.434	ng	99
85) Di-n-octyl phthalate	14.680	149	310954	20.329	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	399711	21.773	ng	100
88) Benzo(b)fluoranthene	15.151	252	302016	21.268	ng	100
89) Benzo(k)fluoranthene	15.180	252	269685	19.835	ng	100
90) Benzo(a)pyrene	15.533	252	274418	20.819	ng	100
91) Dibenzo(a,h)anthracene	17.133	278	321851	21.891	ng	98
92) Benzo(g,h,i)perylene	17.580	276	317263	21.701	ng	99

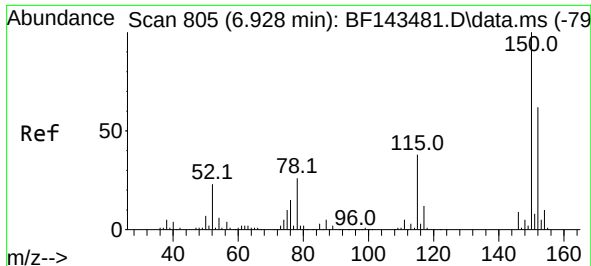
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143480.D
Acq On : 20 Aug 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 20 16:23:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

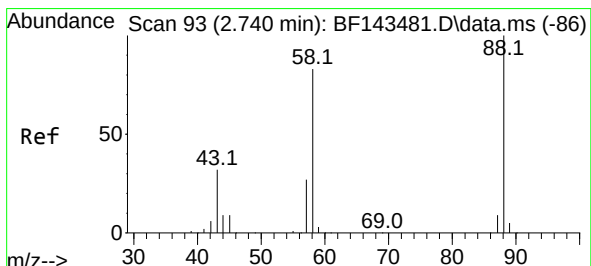
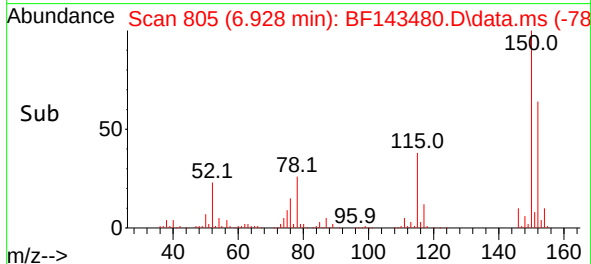
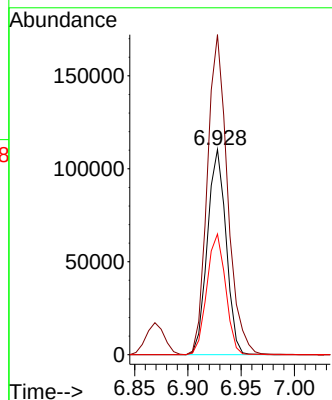
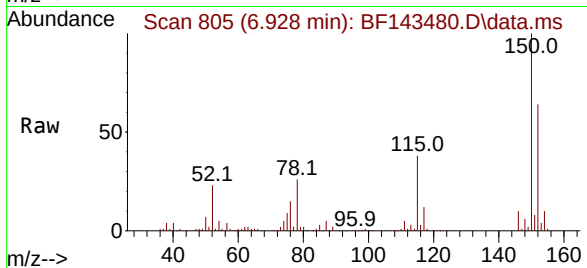




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

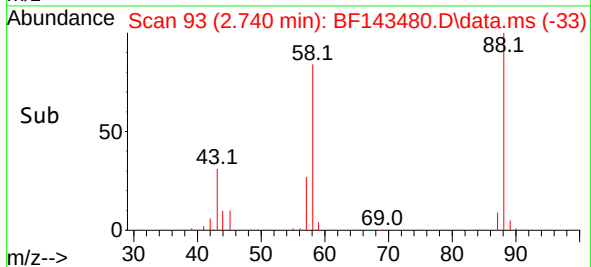
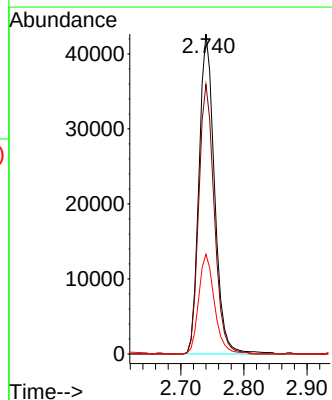
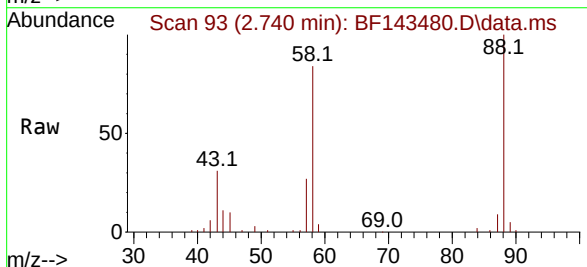
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

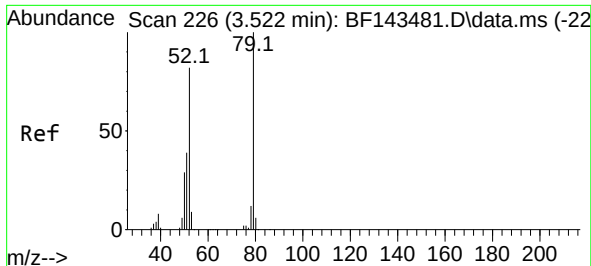
Tgt Ion:152 Resp: 135122
Ion Ratio Lower Upper
152 100
150 155.9 128.9 193.3
115 58.8 49.2 73.8



#2
1,4-Dioxane
Concen: 20.317 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 88 Resp: 72831
Ion Ratio Lower Upper
88 100
58 84.0 66.7 100.1
43 31.7 25.8 38.8





#3

Pyridine

Concen: 20.306 ng

RT: 3.528 min Scan# 214

Delta R.T. 0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

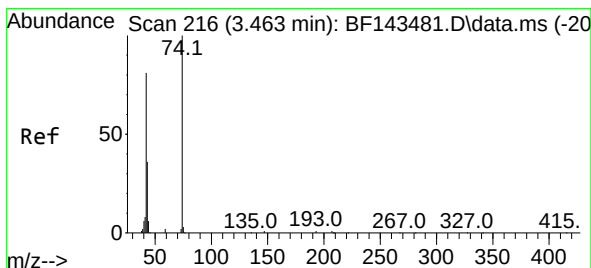
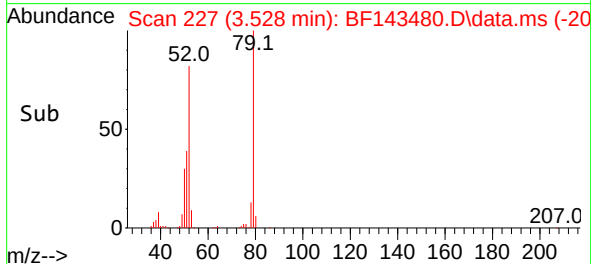
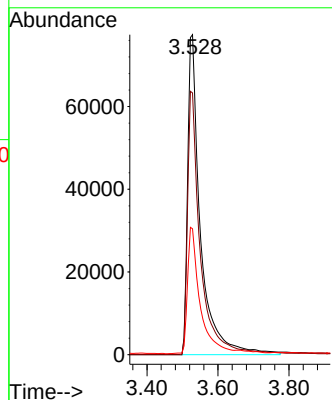
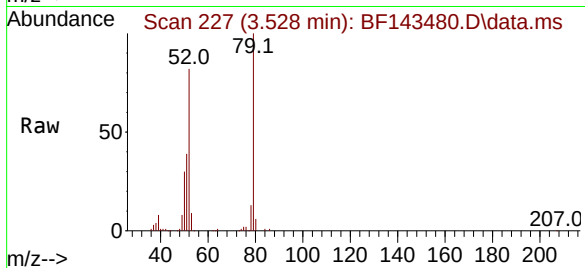
Tgt Ion: 79 Resp: 193877

Ion Ratio Lower Upper

79 100

52 81.8 65.6 98.4

51 39.3 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 19.492 ng

RT: 3.452 min Scan# 214

Delta R.T. -0.024 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

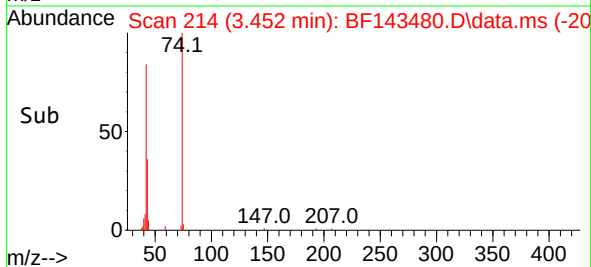
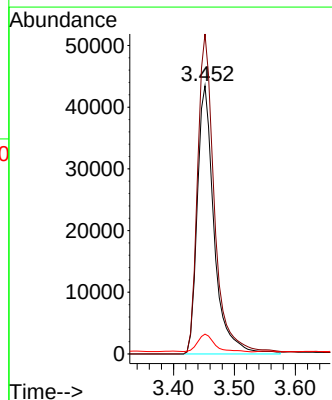
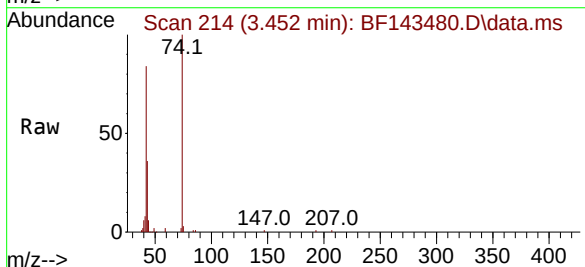
Tgt Ion: 42 Resp: 83662

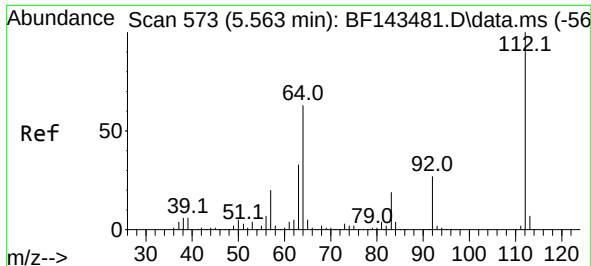
Ion Ratio Lower Upper

42 100

74 119.3 98.6 148.0

44 7.4 5.8 8.8

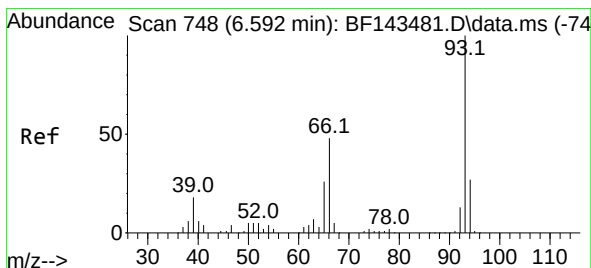
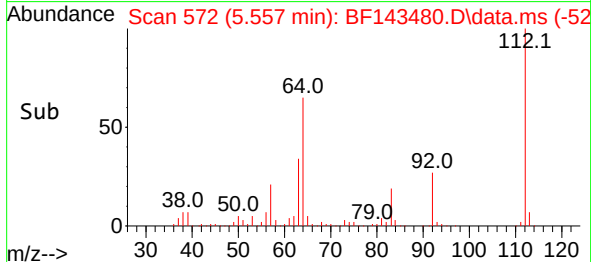
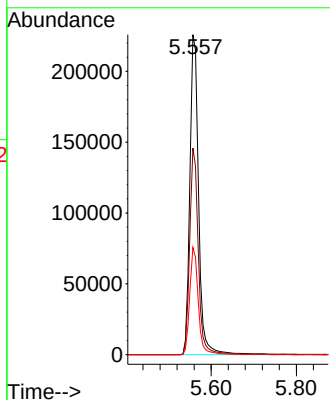
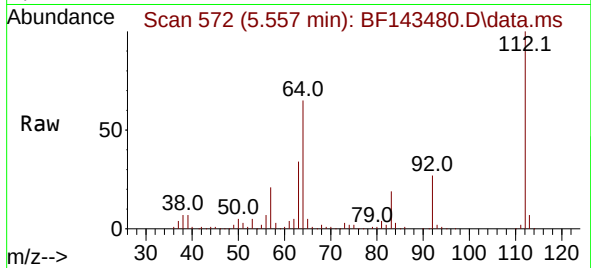




#5
2-Fluorophenol
Concen: 41.682 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

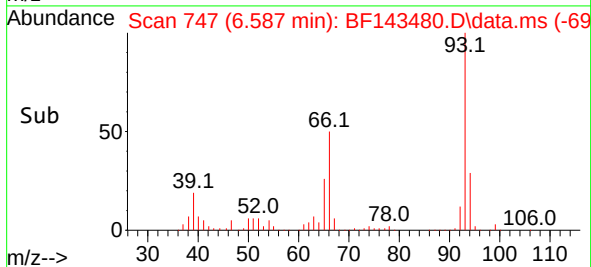
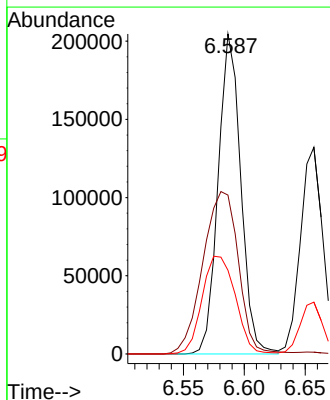
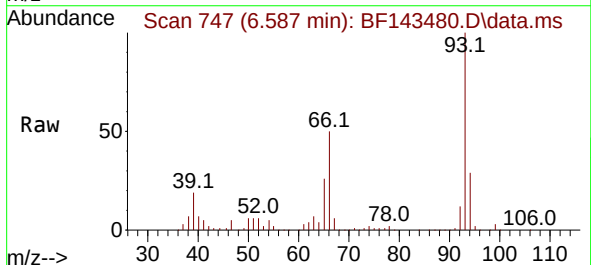
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

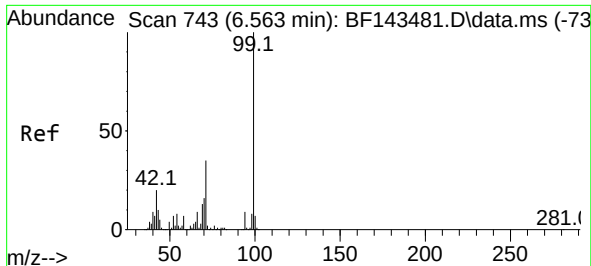
Tgt Ion:112 Resp: 322546
Ion Ratio Lower Upper
112 100
64 64.5 50.4 75.6
63 33.5 26.4 39.6



#6
Aniline
Concen: 20.731 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 93 Resp: 264694
Ion Ratio Lower Upper
93 100
66 49.7 38.9 58.3
65 26.2 20.6 30.8

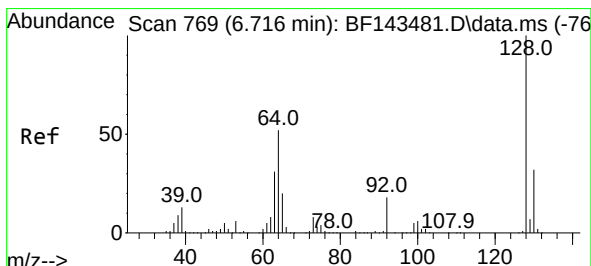
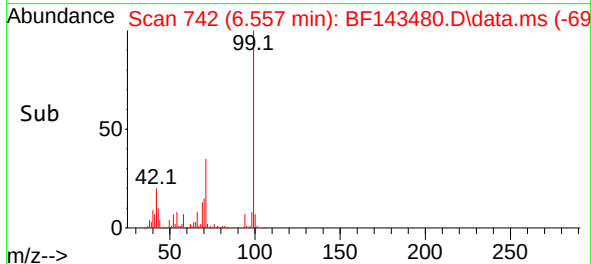
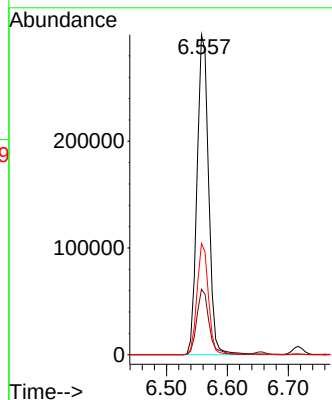
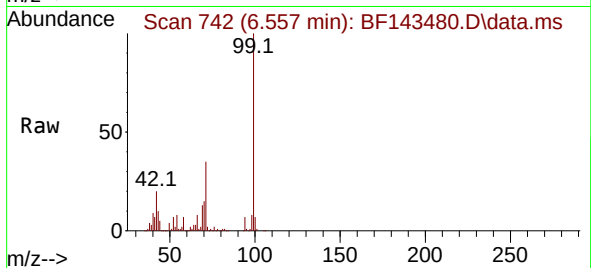




#7
Phenol-d6
Concen: 41.604 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

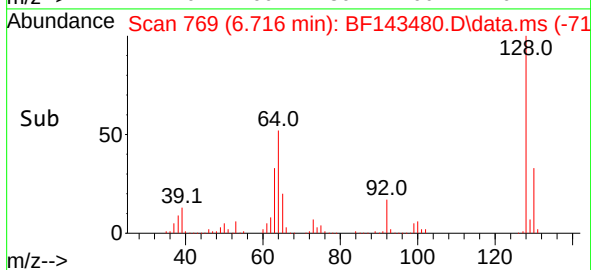
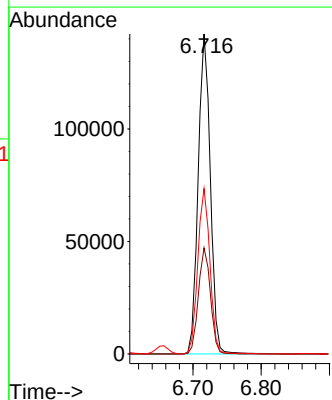
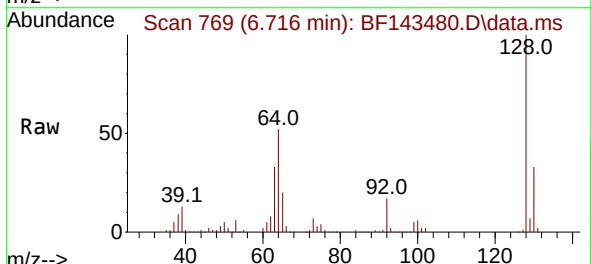
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

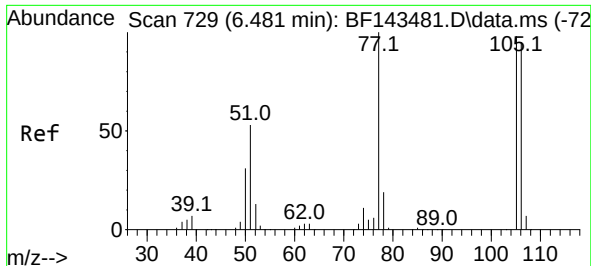
Tgt Ion: 99 Resp: 397415
Ion Ratio Lower Upper
99 100
42 20.4 16.3 24.5
71 34.7 28.2 42.2



#8
2-Chlorophenol
Concen: 20.579 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 128 Resp: 175887
Ion Ratio Lower Upper
128 100
130 33.2 12.4 52.4
64 51.7 31.6 71.6

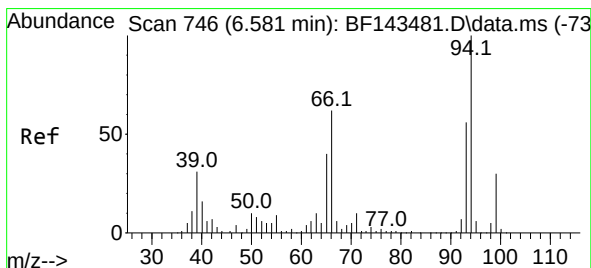
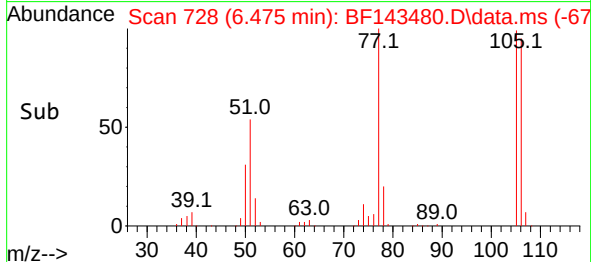
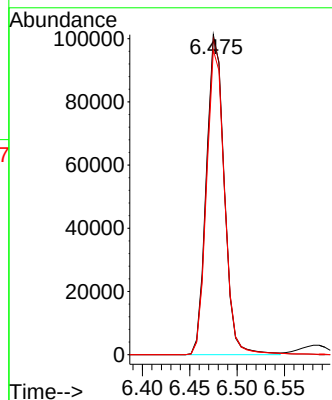
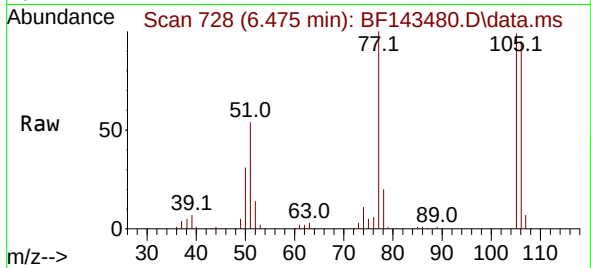




#9
Benzaldehyde
Concen: 17.142 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

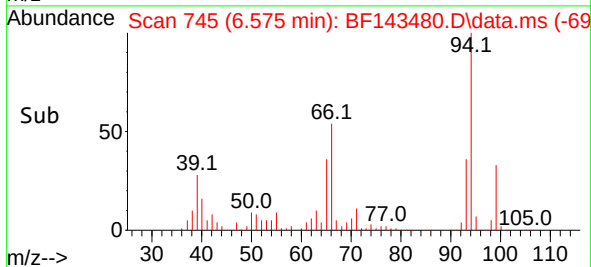
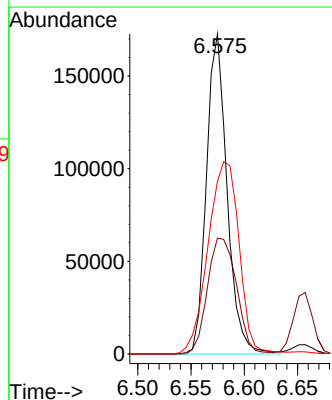
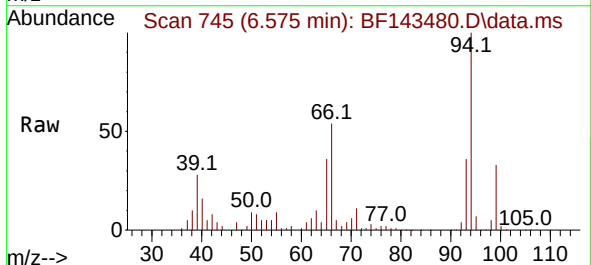
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

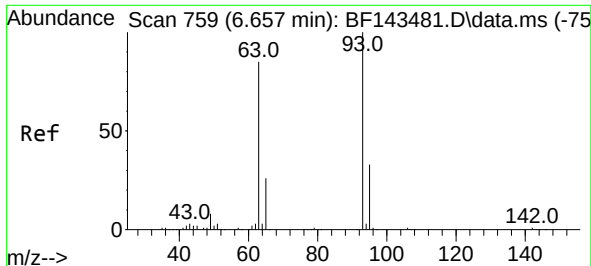
Tgt Ion: 77 Resp: 132575
Ion Ratio Lower Upper
77 100
105 98.8 78.1 118.1
106 95.2 74.9 114.9



#10
Phenol
Concen: 21.182 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 94 Resp: 233093
Ion Ratio Lower Upper
94 100
65 36.2 19.5 59.5
66 53.9 42.5 82.5

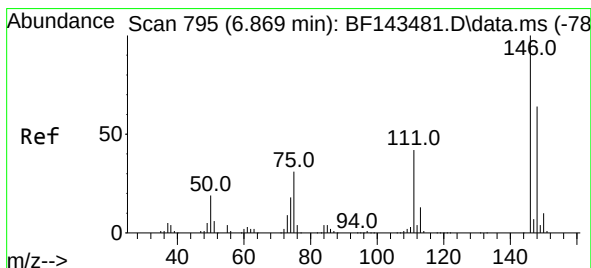
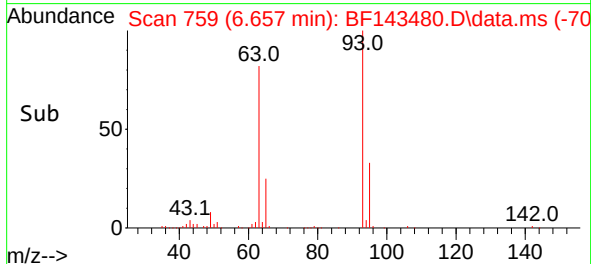
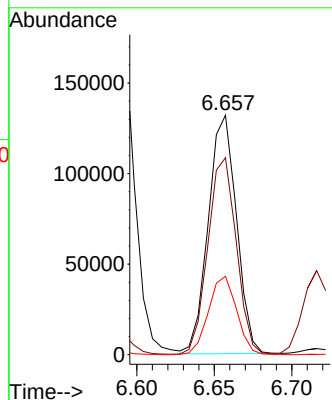
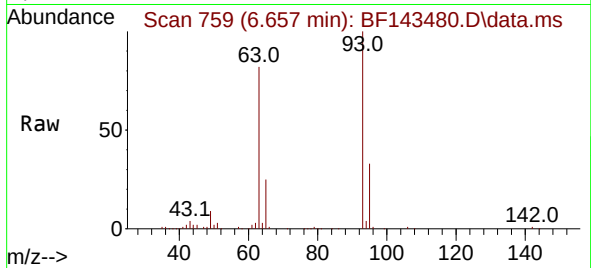




#11
bis(2-Chloroethyl)ether
Concen: 20.296 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

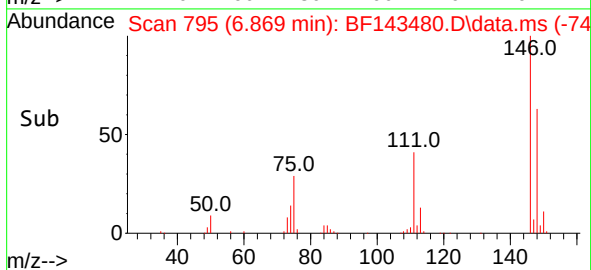
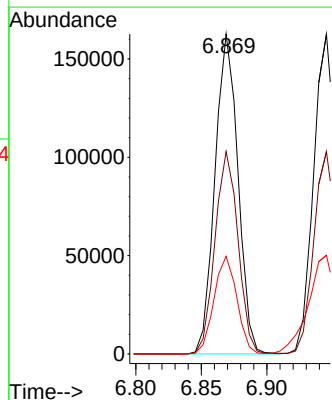
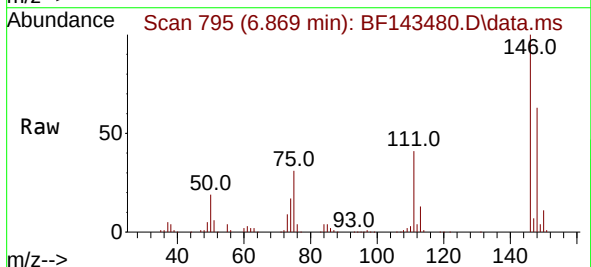
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

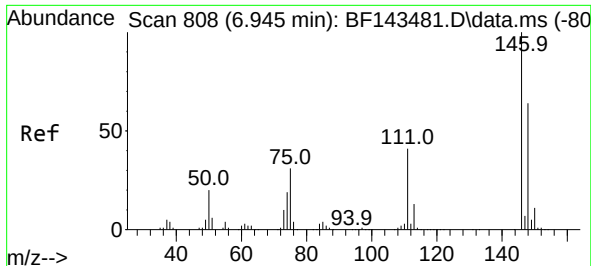
Tgt Ion:	93	Resp:	166906
Ion	Ratio	Lower	Upper
93	100		
63	82.3	63.6	103.6
95	32.7	12.8	52.8



#12
1,3-Dichlorobenzene
Concen: 20.633 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:	146	Resp:	198141
Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.3	76.9
75	30.5	24.7	37.1

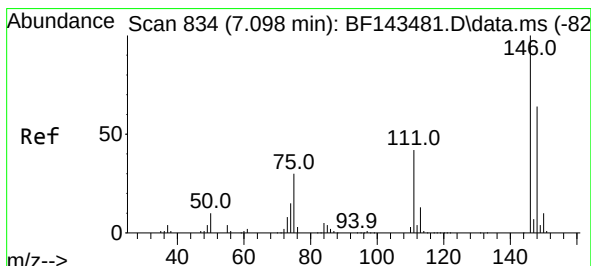
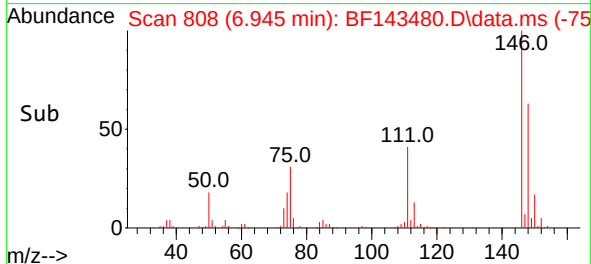
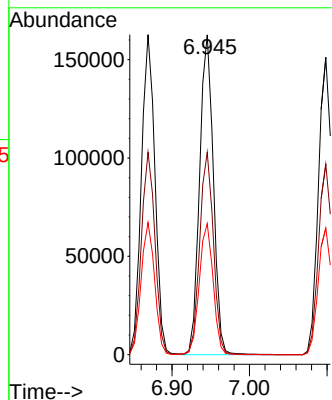
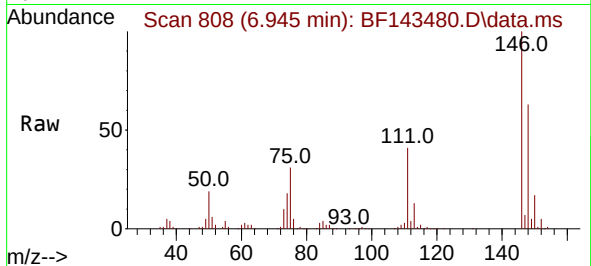




#13
1,4-Dichlorobenzene
Concen: 20.806 ng
RT: 6.945 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

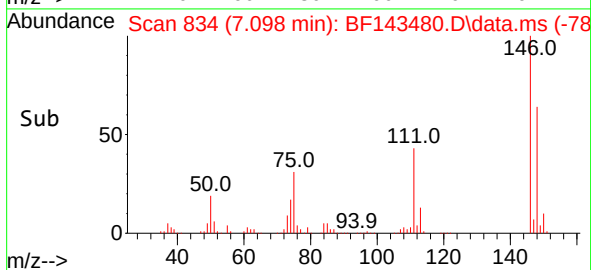
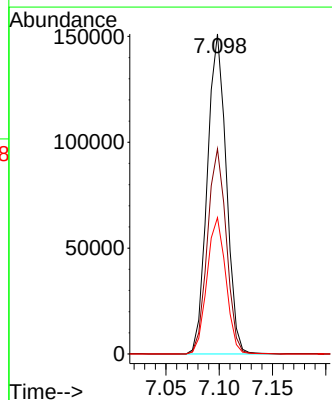
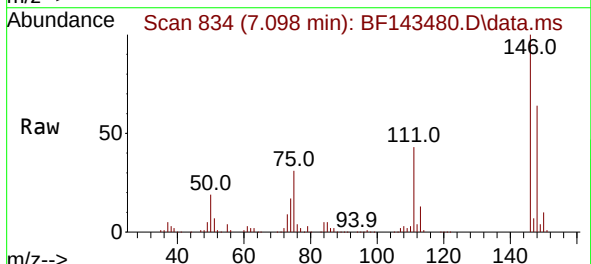
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

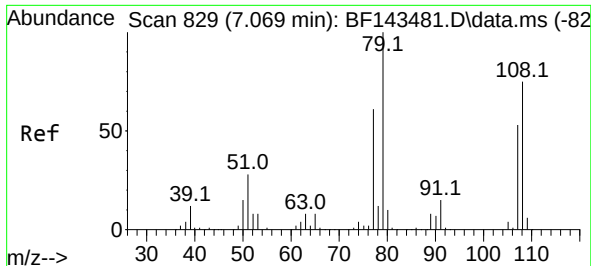
Tgt Ion:146 Resp: 200428
Ion Ratio Lower Upper
146 100
148 63.3 51.5 77.3
111 40.9 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 20.536 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:146 Resp: 187297
Ion Ratio Lower Upper
146 100
148 64.1 51.0 76.6
111 42.6 34.0 51.0

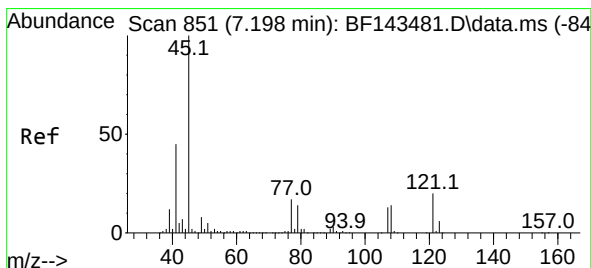
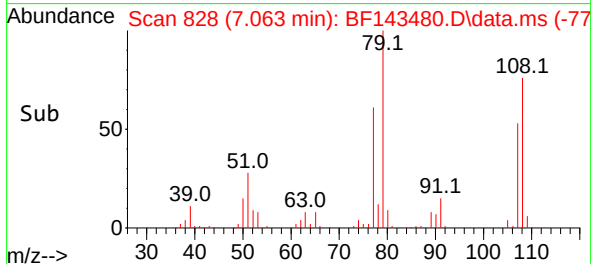
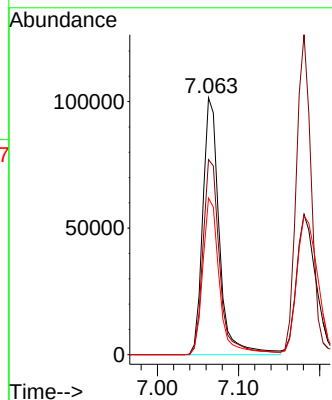
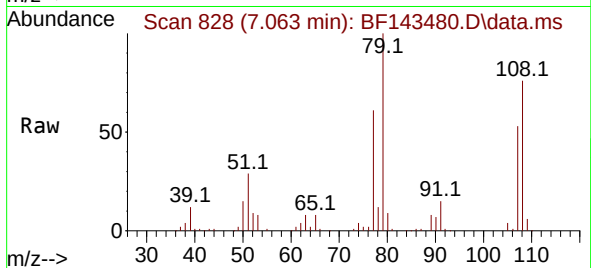




#15
Benzyl Alcohol
Concen: 20.082 ng
RT: 7.063 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

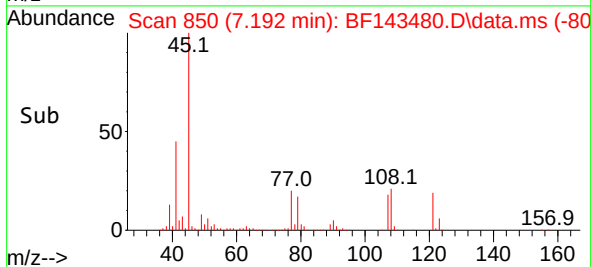
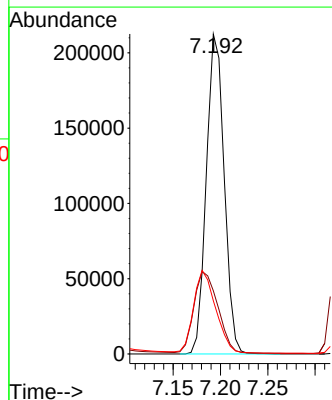
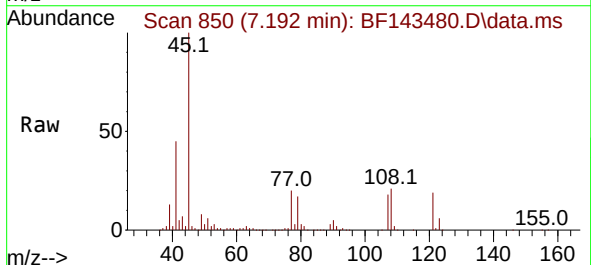
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

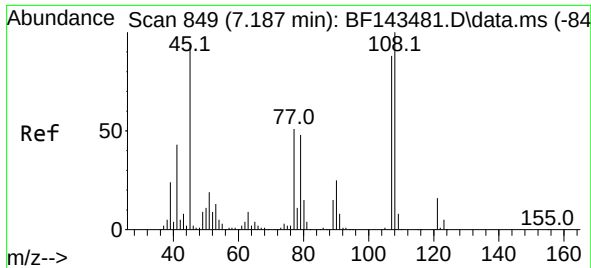
Tgt Ion: 79 Resp: 143623
Ion Ratio Lower Upper
79 100
108 75.9 59.8 89.6
77 60.9 49.0 73.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 21.087 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 45 Resp: 277424
Ion Ratio Lower Upper
45 100
77 19.7 0.0 37.9
79 16.7 0.0 34.7

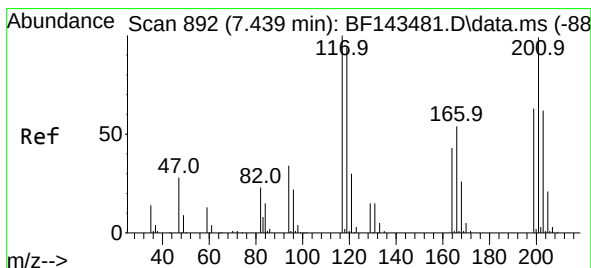
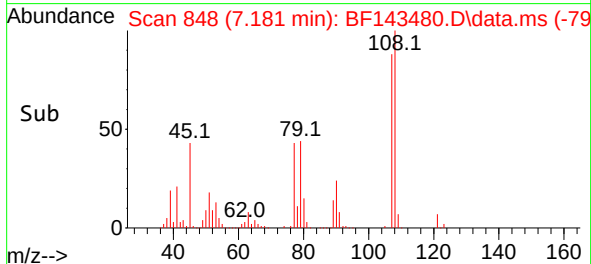
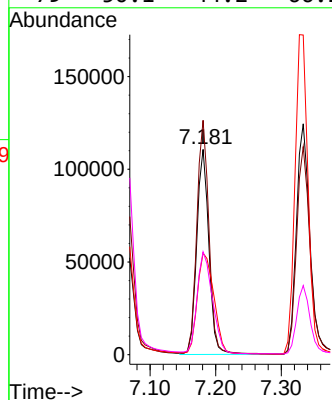
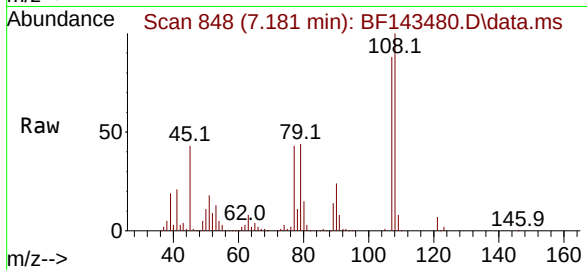




#17
2-Methylphenol
Concen: 20.794 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

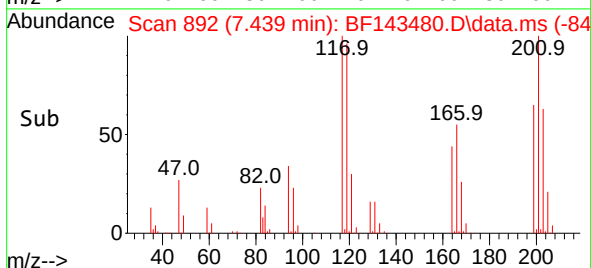
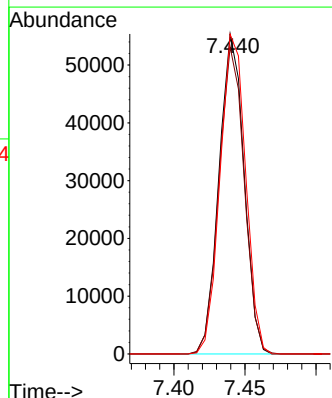
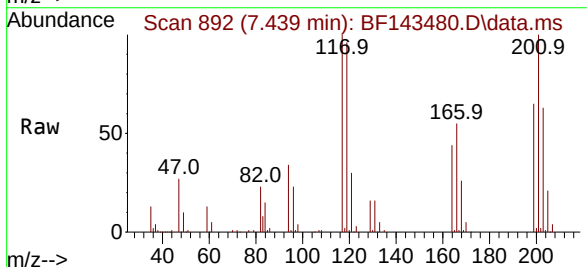
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

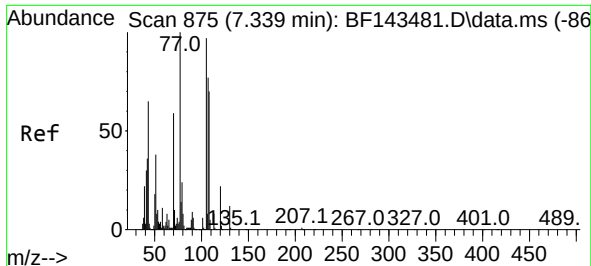
Tgt Ion:107 Resp: 142643
Ion Ratio Lower Upper
107 100
108 114.2 91.1 136.7
77 49.5 46.2 69.4
79 50.1 44.2 66.2



#18
Hexachloroethane
Concen: 20.727 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:117 Resp: 67887
Ion Ratio Lower Upper
117 100
119 96.0 75.4 113.0
201 99.9 79.0 118.4



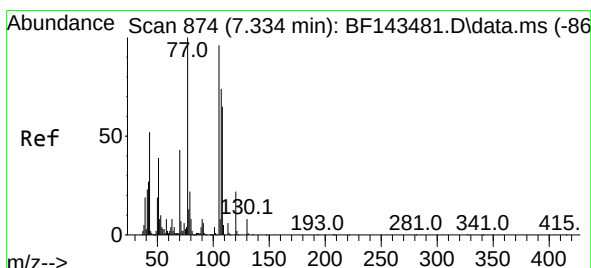
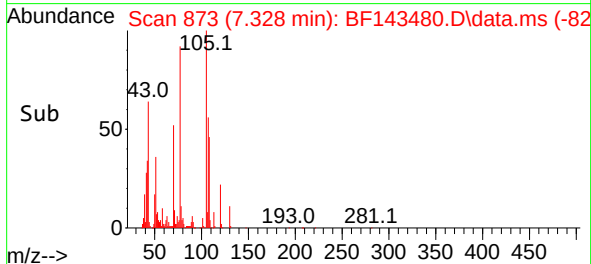
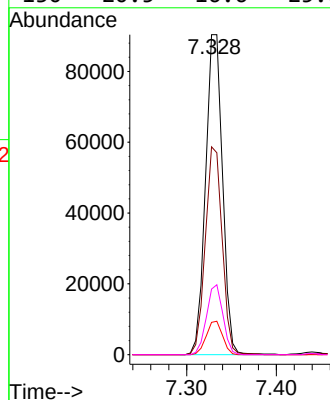
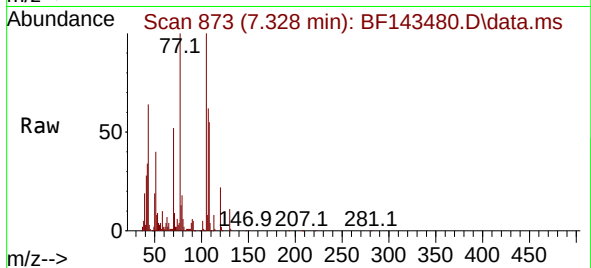


#19
n-Nitroso-di-n-propylamine
Concen: 20.353 ng
RT: 7.328 min Scan# 81
Delta R.T. -0.024 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 118831

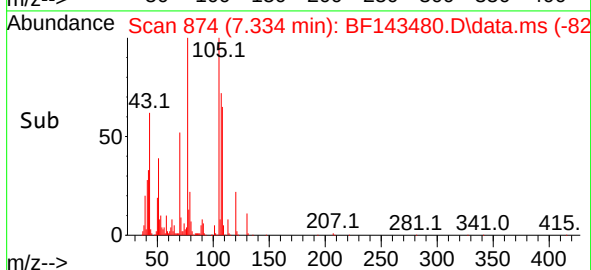
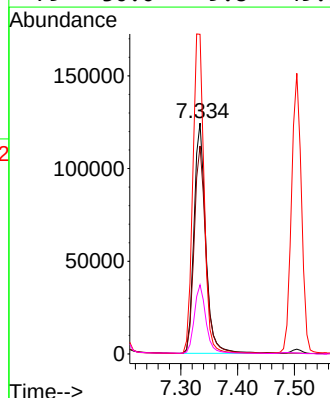
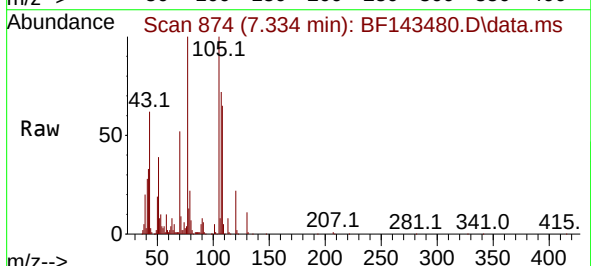
Ion	Ratio	Lower	Upper
70	100		
42	65.0	49.3	73.9
101	10.1	7.8	11.8
130	20.5	16.6	25.0

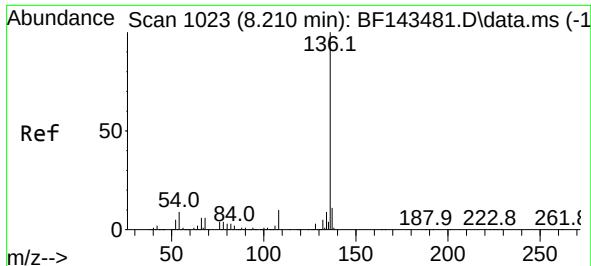


#20
3+4-Methylphenols
Concen: 21.785 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 107 Resp: 178398

Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.4	108.4
77	138.5	116.1	156.1
79	30.0	9.8	49.8

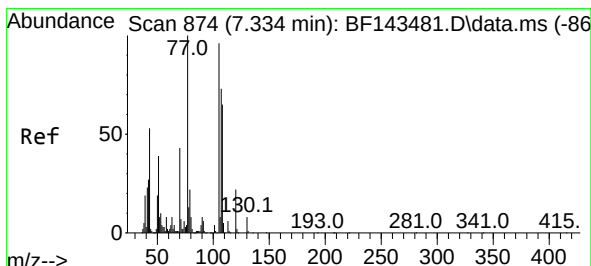
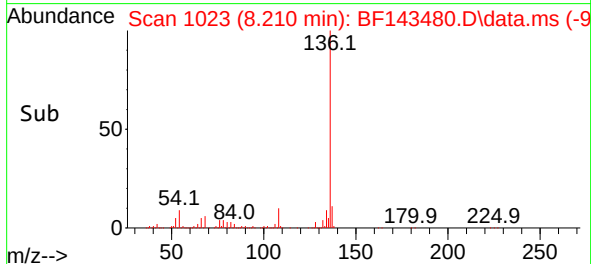
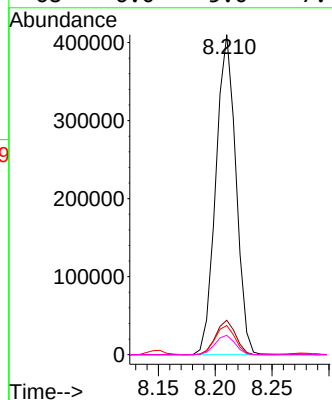
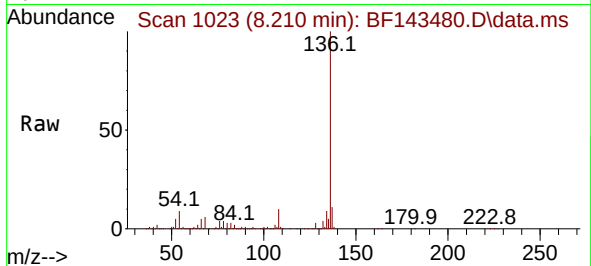




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

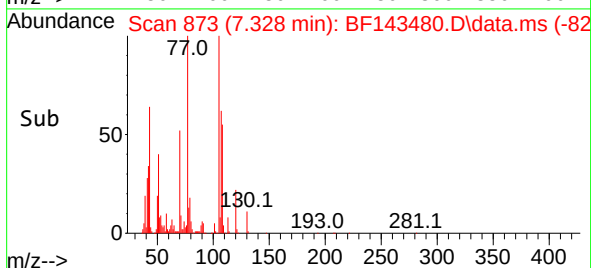
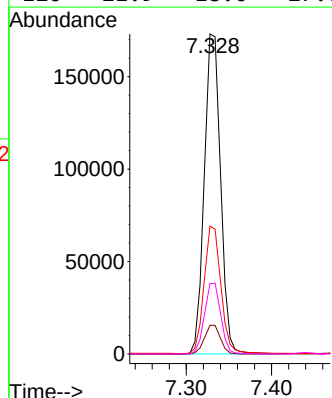
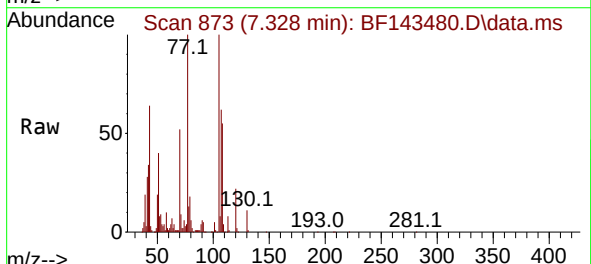
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

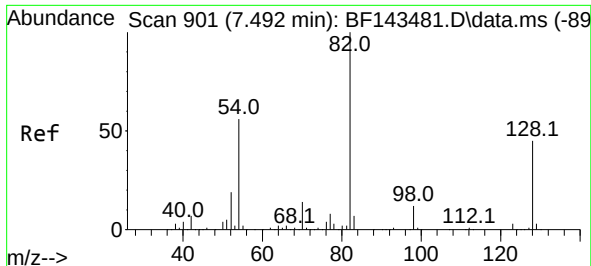
Tgt Ion:	136	Resp:	502602
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.4
54	9.1	7.4	11.2
68	6.0	5.0	7.4



#22
Acetophenone
Concen: 21.238 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:	105	Resp:	230609
Ion Ratio	Lower	Upper	
105	100		
71	9.0	5.9	8.9#
51	39.9	32.5	48.7
120	21.9	18.0	27.0

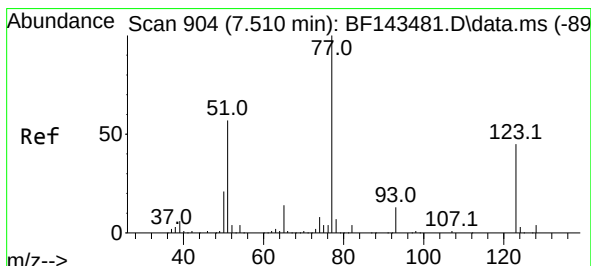
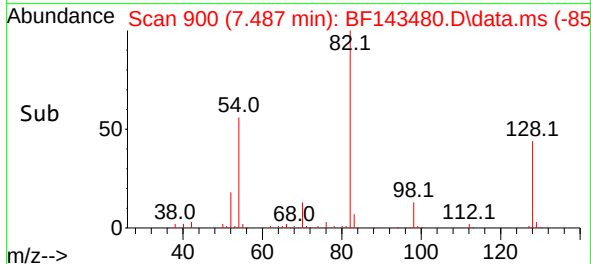
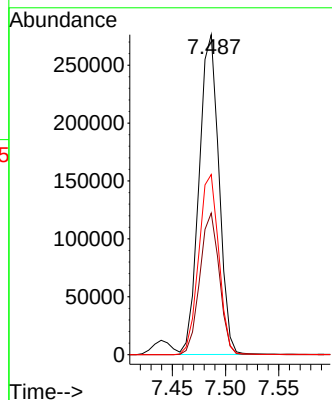
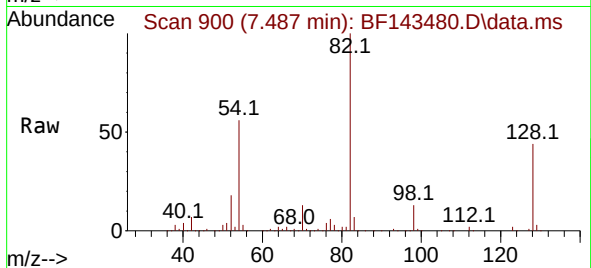




#23
Nitrobenzene-d5
Concen: 41.608 ng
RT: 7.487 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

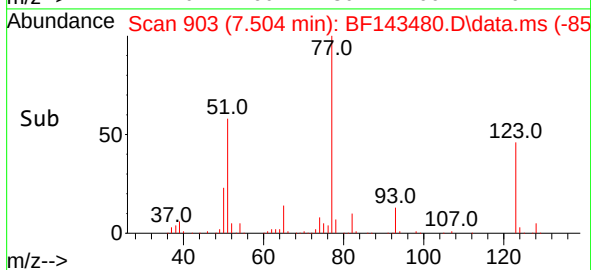
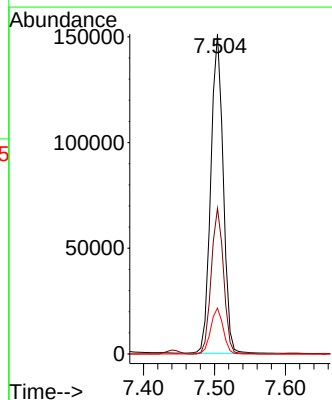
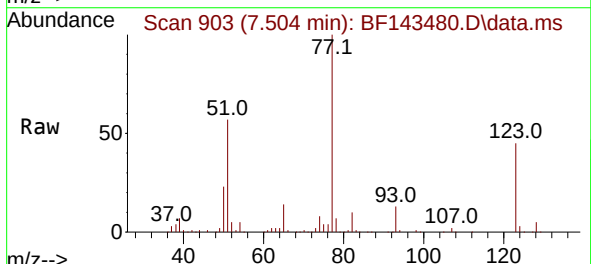
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

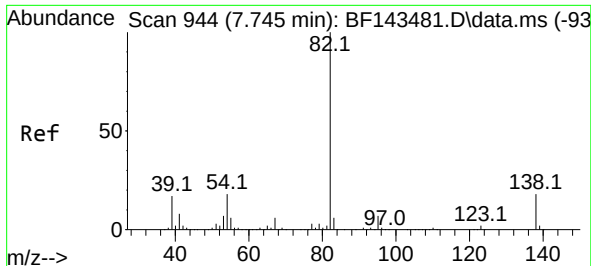
Tgt Ion: 82 Resp: 358365
Ion Ratio Lower Upper
82 100
128 44.3 35.5 53.3
54 56.3 44.3 66.5



#24
Nitrobenzene
Concen: 20.736 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 77 Resp: 183817
Ion Ratio Lower Upper
77 100
123 45.5 36.1 54.1
65 14.3 11.0 16.6

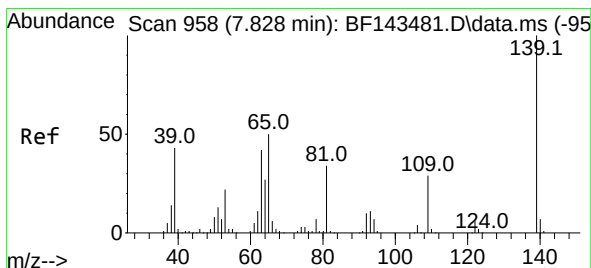
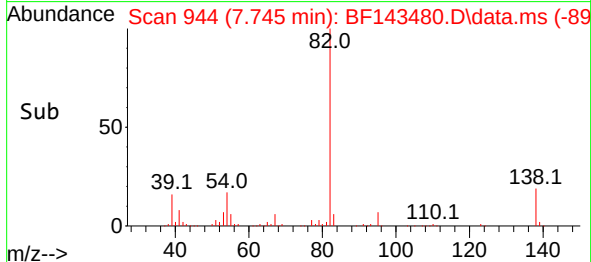
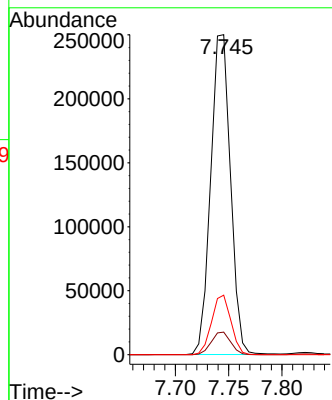
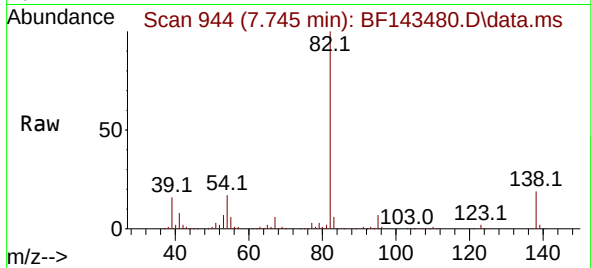




#25
Isophorone
Concen: 20.513 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

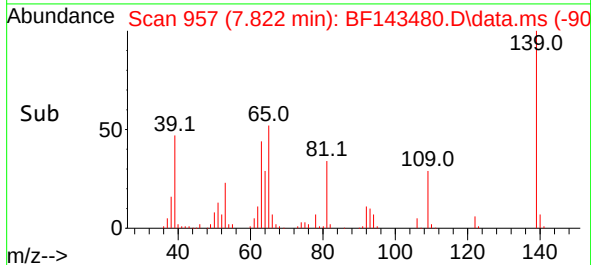
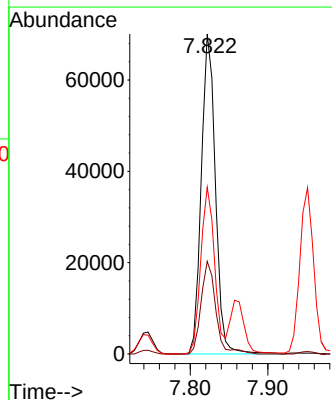
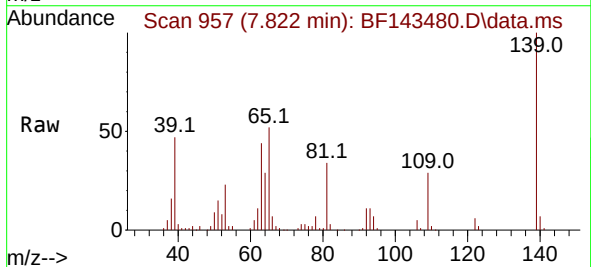
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

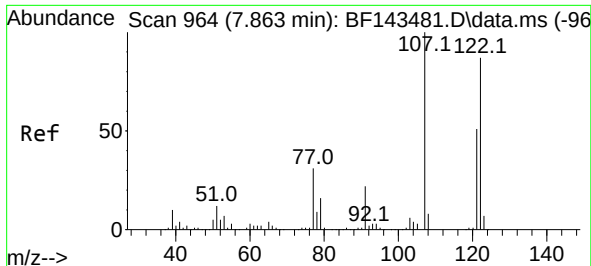
Tgt Ion: 82 Resp: 323869
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.8
138 18.6 14.2 21.4



#26
2-Nitrophenol
Concen: 20.444 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:139 Resp: 88771
Ion Ratio Lower Upper
139 100
109 28.9 23.0 34.6
65 52.2 40.3 60.5

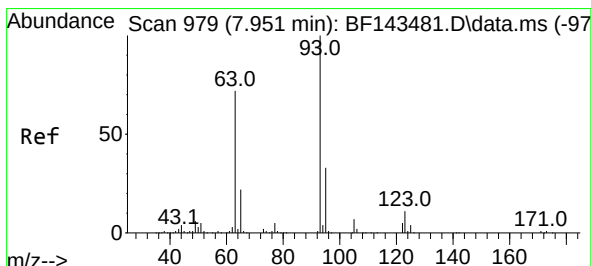
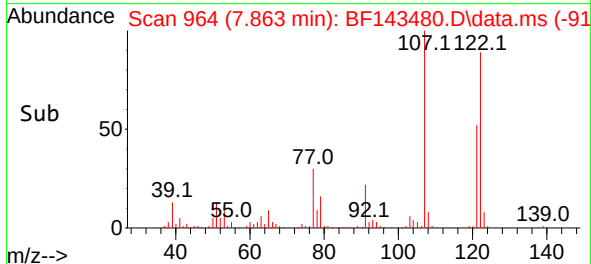
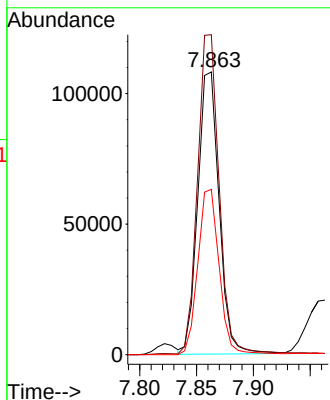
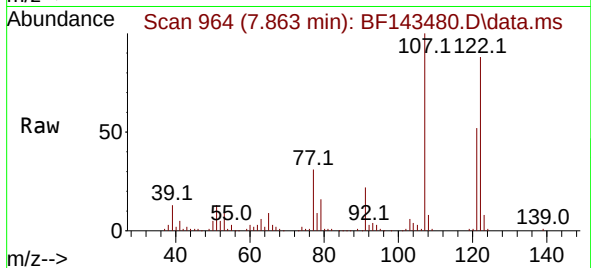




#27
2,4-Dimethylphenol
Concen: 20.897 ng
RT: 7.863 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

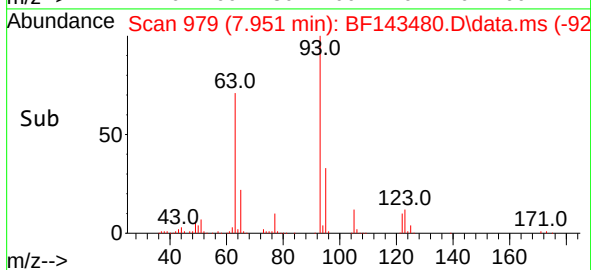
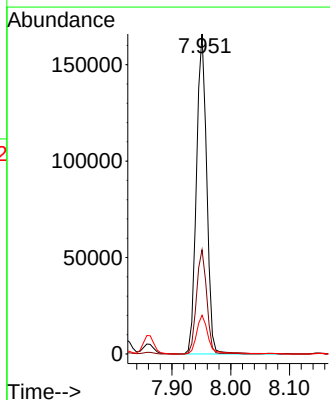
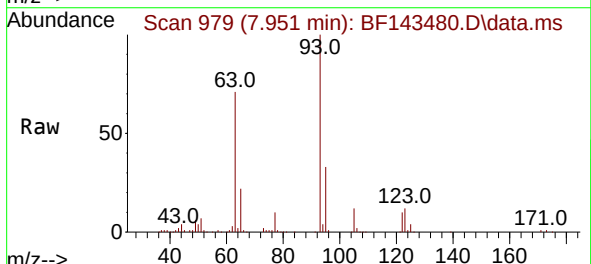
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

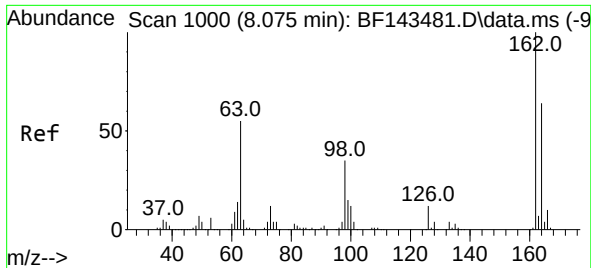
Tgt Ion:	122	Resp:	141452
Ion	Ratio	Lower	Upper
122	100		
107	113.2	91.5	137.3
121	58.5	47.0	70.4



#28
bis(2-Chloroethoxy)methane
Concen: 20.776 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:	93	Resp:	201584
Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	12.1	9.1	13.7





#29

2,4-Dichlorophenol

Concen: 21.055 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

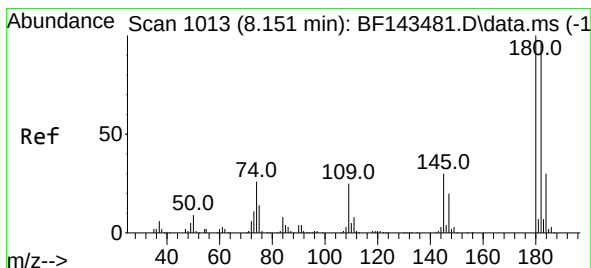
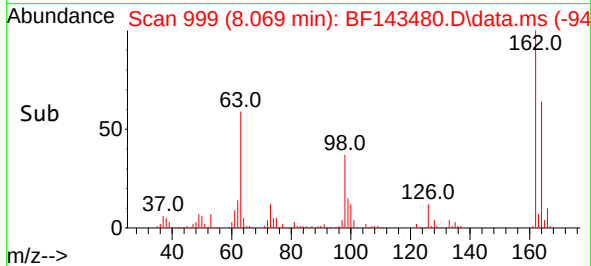
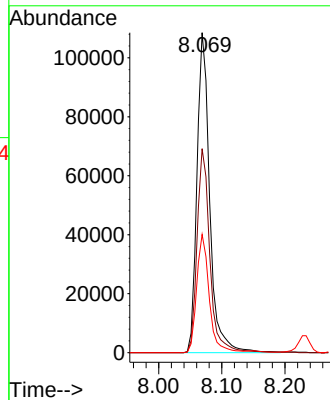
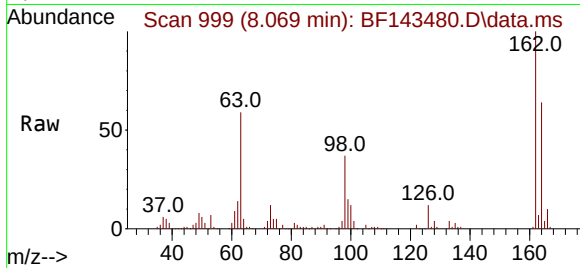
Tgt Ion:162 Resp: 152215

Ion Ratio Lower Upper

162 100

164 63.7 43.5 83.5

98 37.0 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 21.200 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

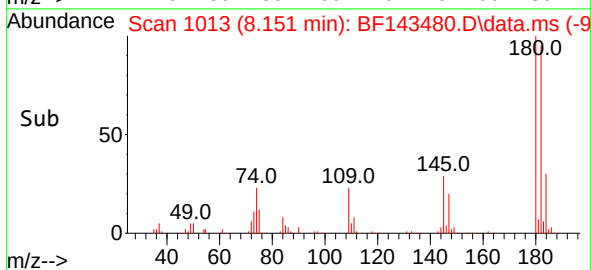
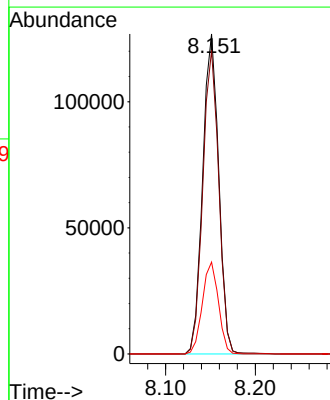
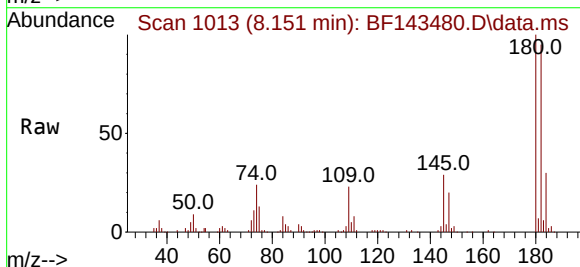
Tgt Ion:180 Resp: 157575

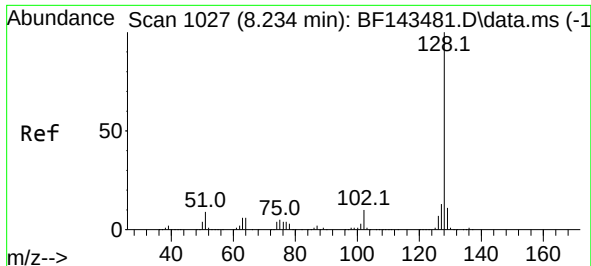
Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

145 28.7 24.3 36.5

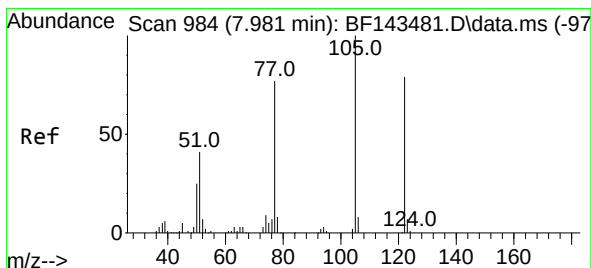
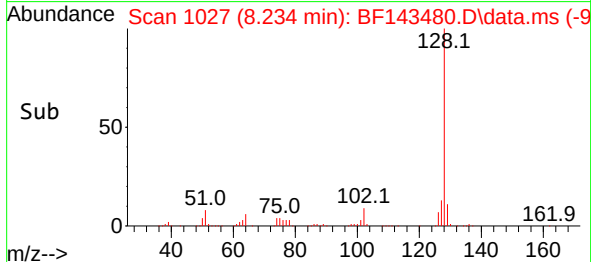
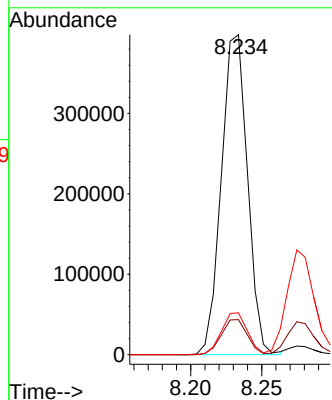
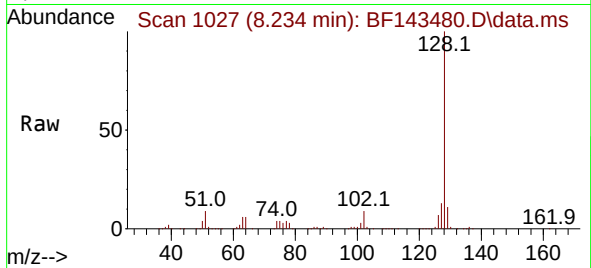




#31
Naphthalene
Concen: 21.111 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

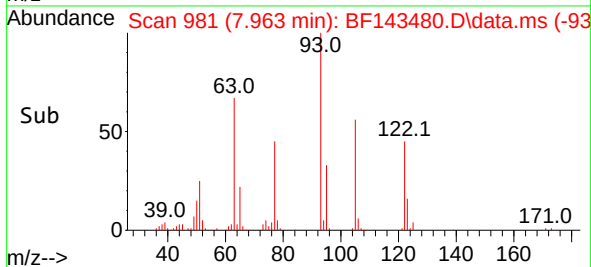
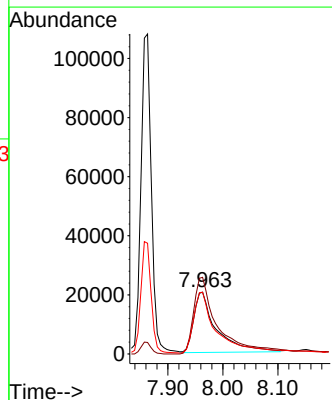
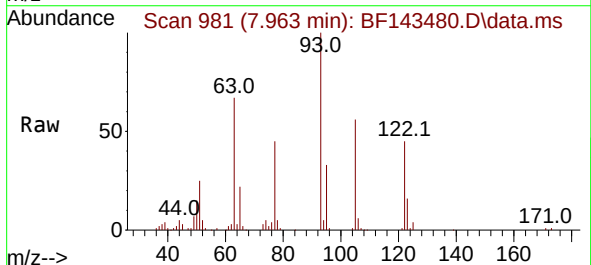
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

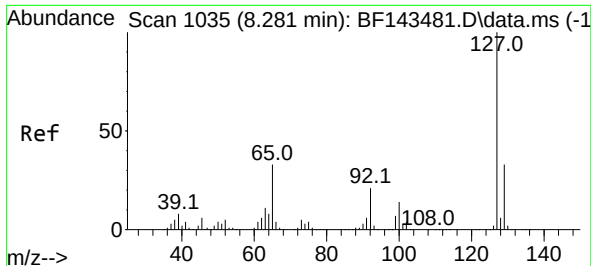
Tgt Ion:128 Resp: 509408
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 19.199 ng
RT: 7.963 min Scan# 981
Delta R.T. -0.047 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:122 Resp: 58396
Ion Ratio Lower Upper
122 100
105 124.1 104.7 144.7
77 100.1 77.3 117.3

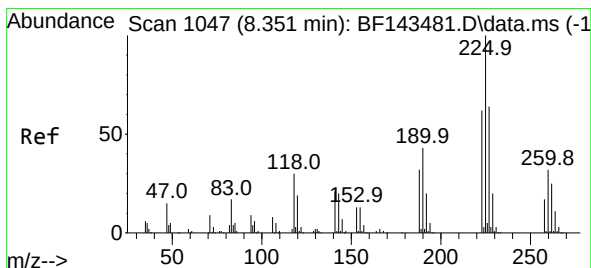
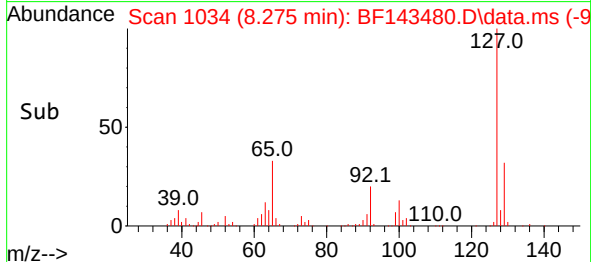
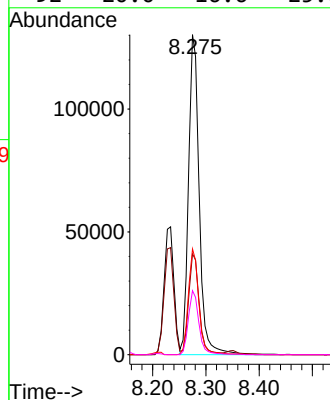
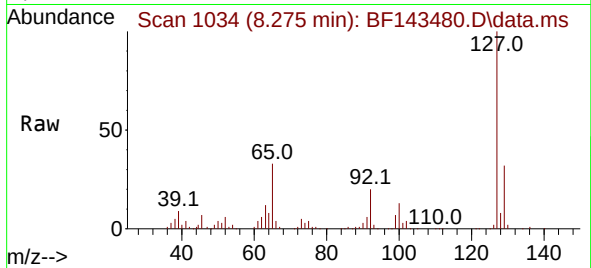




#33
4-Chloroaniline
Concen: 21.243 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

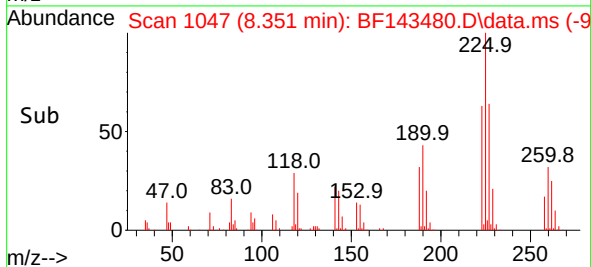
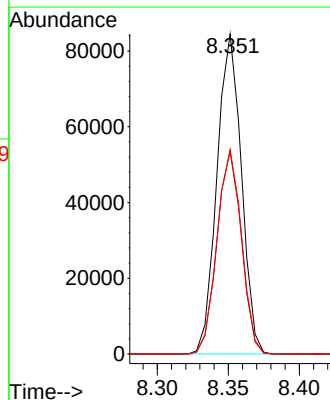
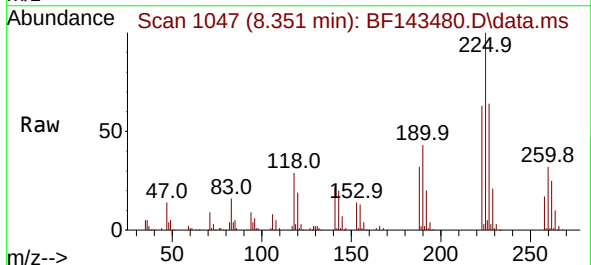
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

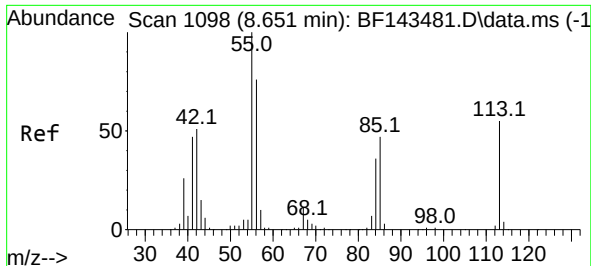
Tgt Ion:	127	Resp:	181928
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.1	39.1
65	33.1	26.2	39.2
92	20.0	16.6	25.0



#34
Hexachlorobutadiene
Concen: 20.802 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:	225	Resp:	100875
Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.9	74.9
227	63.9	50.9	76.3

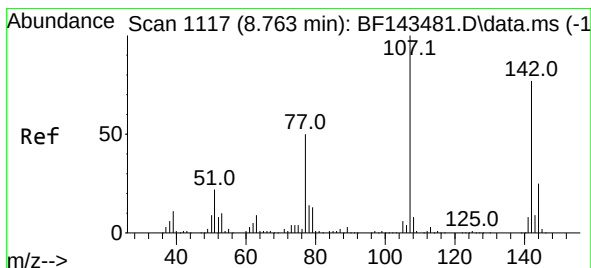
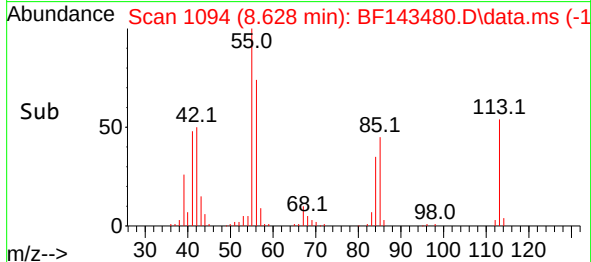
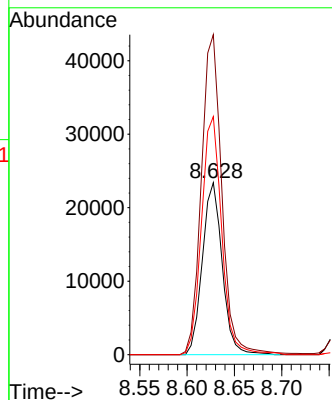
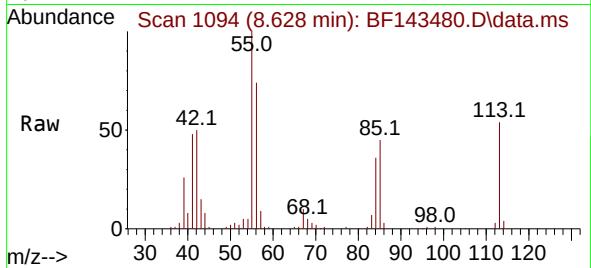




#35
 Caprolactam
 Concen: 19.594 ng
 RT: 8.628 min Scan# 1109
 Delta R.T. -0.047 min
 Lab File: BF143480.D
 Acq: 20 Aug 2025 12:23

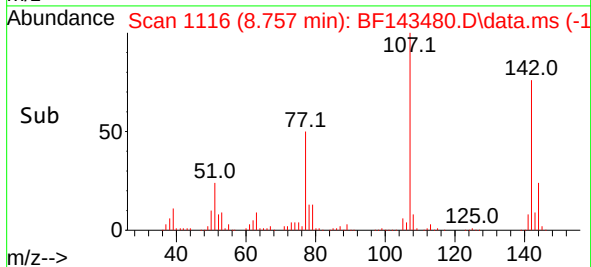
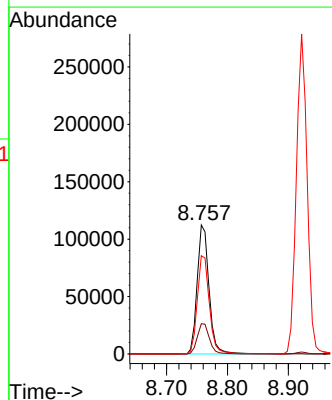
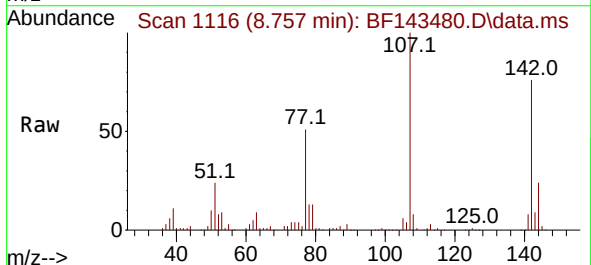
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

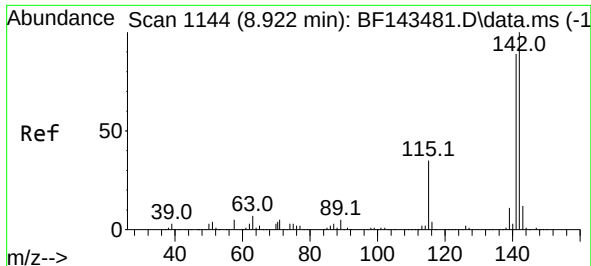
Tgt Ion:113 Resp: 33991
 Ion Ratio Lower Upper
 113 100
 55 186.1 162.8 202.8
 56 138.4 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 21.008 ng
 RT: 8.757 min Scan# 1116
 Delta R.T. -0.012 min
 Lab File: BF143480.D
 Acq: 20 Aug 2025 12:23

Tgt Ion:107 Resp: 152197
 Ion Ratio Lower Upper
 107 100
 144 23.5 19.9 29.9
 142 76.2 61.8 92.8

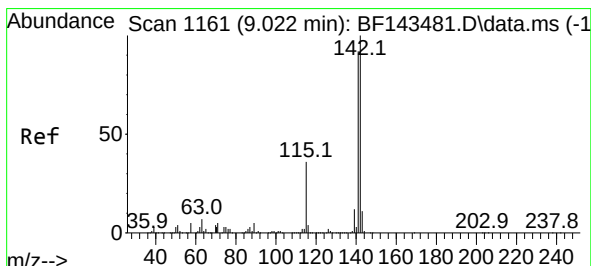
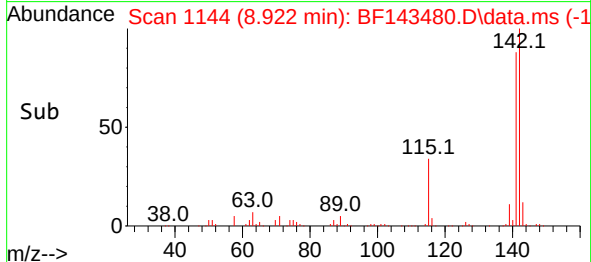
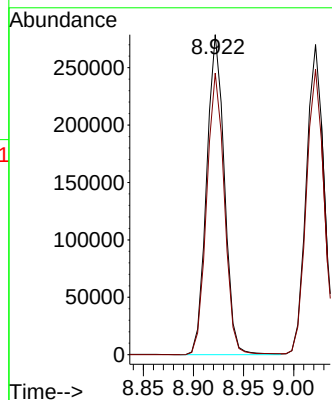
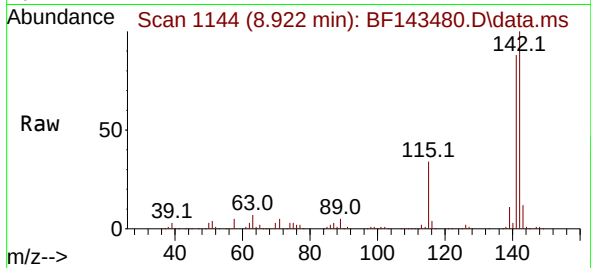




#37
2-Methylnaphthalene
Concen: 21.339 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

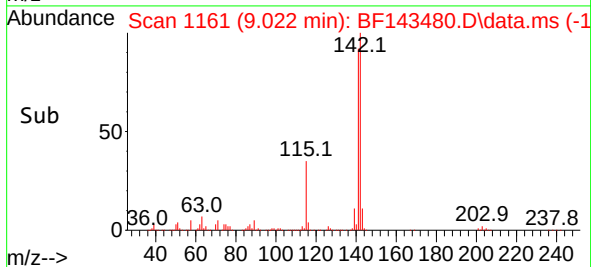
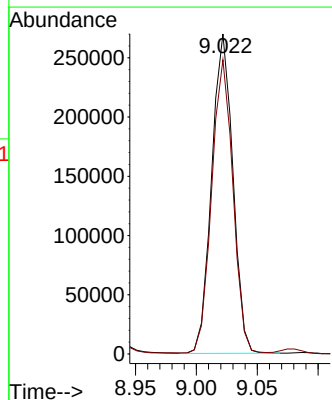
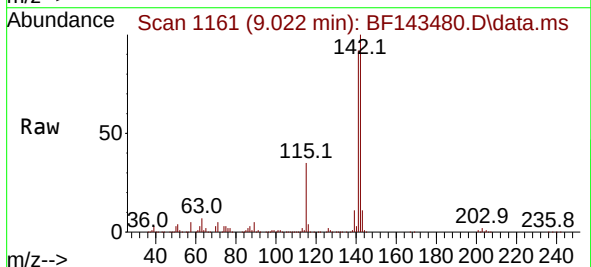
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

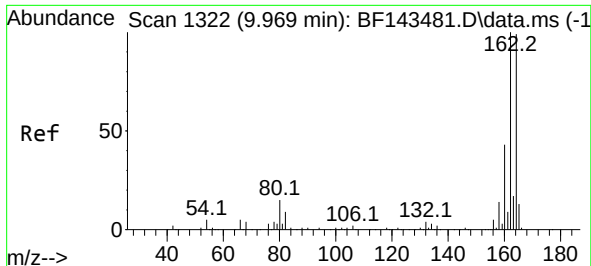
Tgt Ion:142 Resp: 343900
Ion Ratio Lower Upper
142 100
141 88.0 71.0 106.4



#38
1-Methylnaphthalene
Concen: 21.191 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:142 Resp: 326683
Ion Ratio Lower Upper
142 100
141 92.0 73.3 109.9

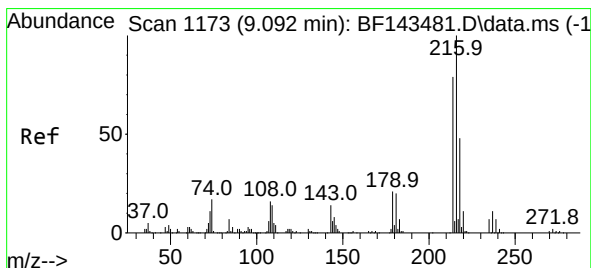
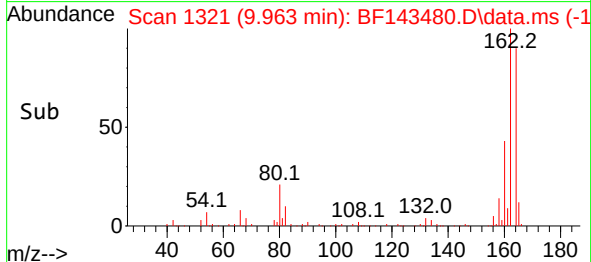
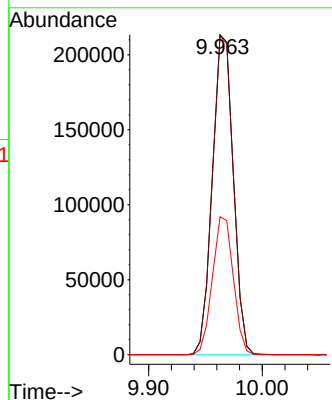
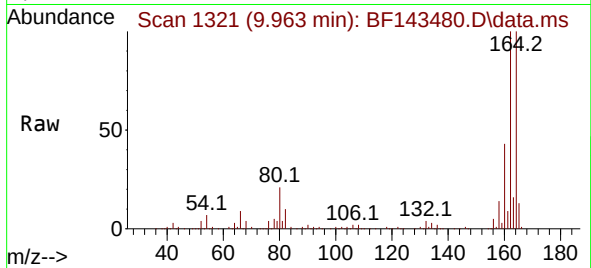




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

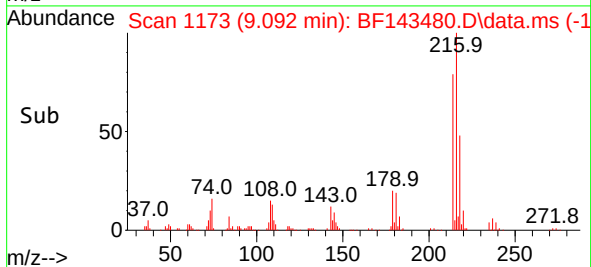
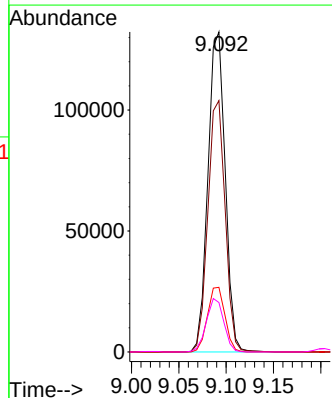
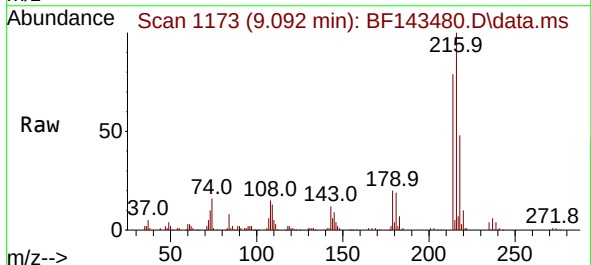
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

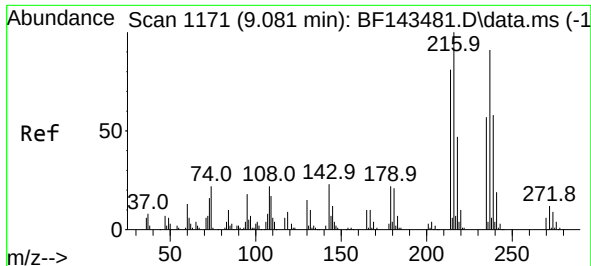
Tgt Ion:164 Resp: 273375
Ion Ratio Lower Upper
164 100
162 99.7 80.5 120.7
160 43.1 34.3 51.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.445 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:216 Resp: 167691
Ion Ratio Lower Upper
216 100
214 78.9 63.4 95.0
179 20.5 16.5 24.7
108 17.0 13.9 20.9

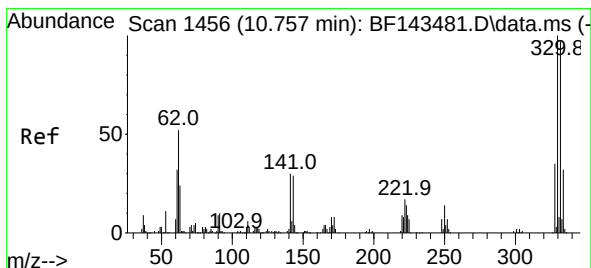
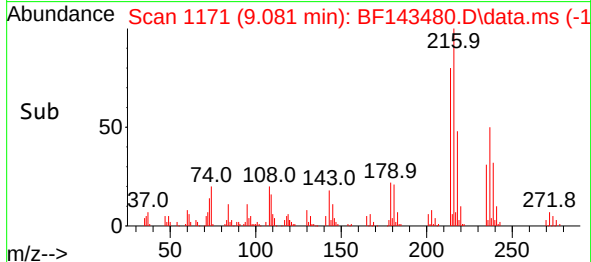
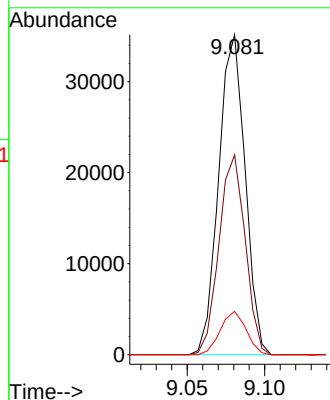
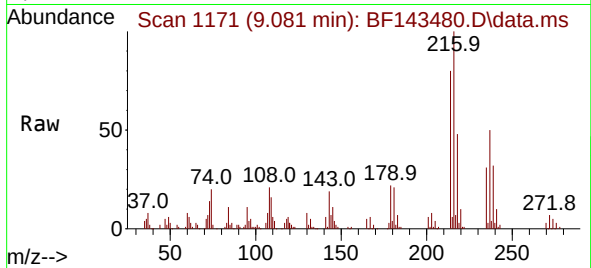




#41
Hexachlorocyclopentadiene
Concen: 19.072 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

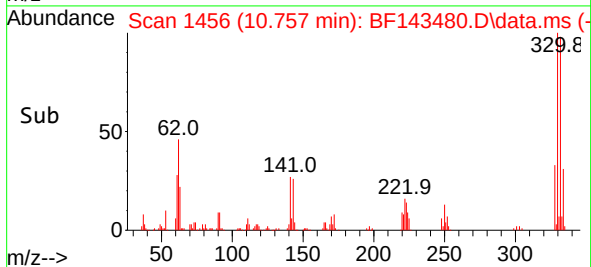
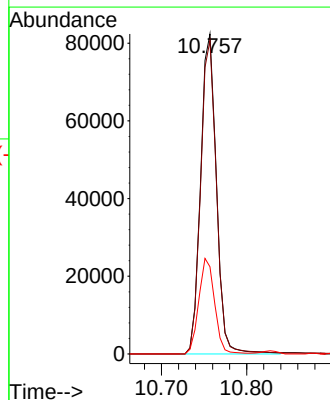
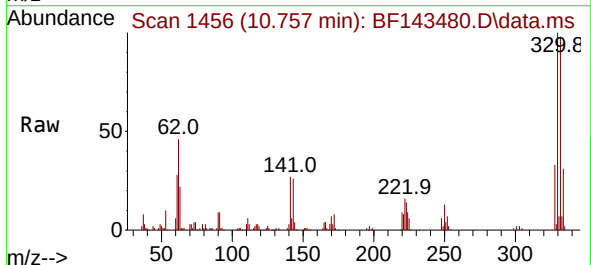
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

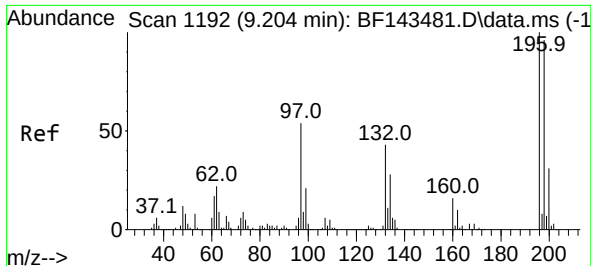
Tgt Ion:237	Resp:	41723
Ion Ratio	Lower	Upper
237	100	
235	62.5	42.6 82.6
272	13.5	0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 41.663 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:330	Resp:	106021
Ion Ratio	Lower	Upper
330	100	
332	98.1	78.0 117.0
141	29.9	23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 20.683 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

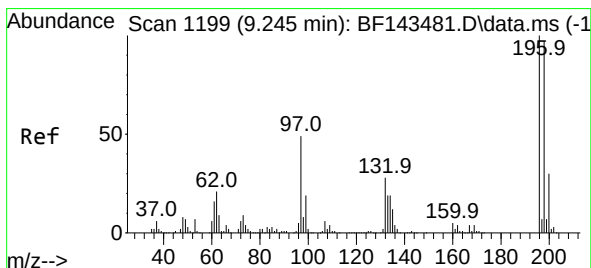
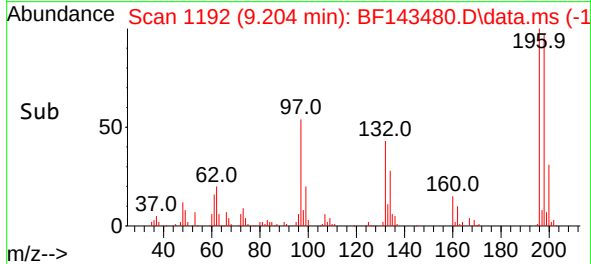
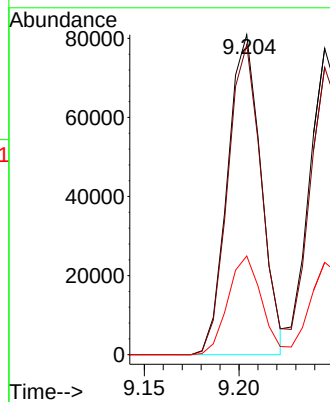
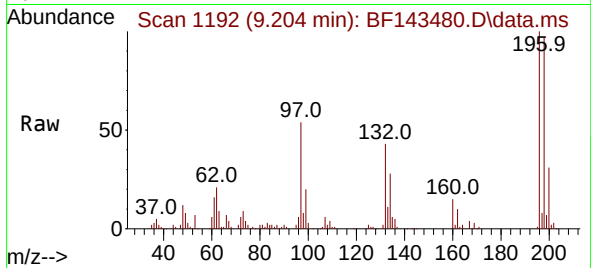
Tgt Ion:196 Resp: 99517

Ion Ratio Lower Upper

196 100

198 96.9 77.0 115.4

200 30.9 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 21.488 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Tgt Ion:196 Resp: 112939

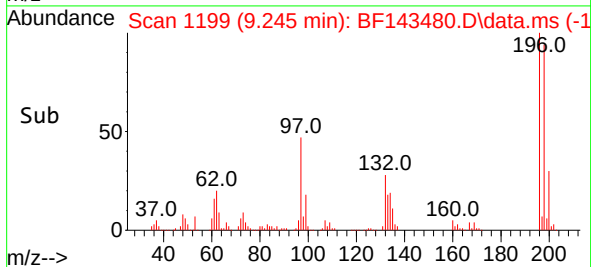
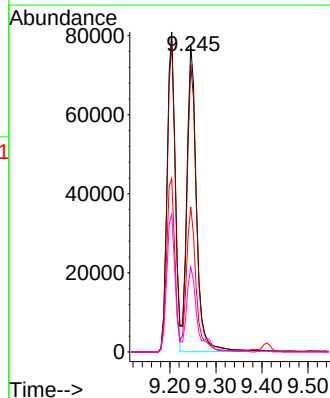
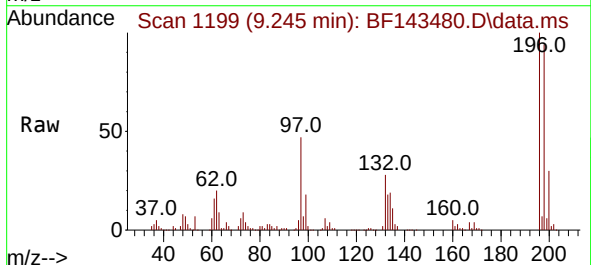
Ion Ratio Lower Upper

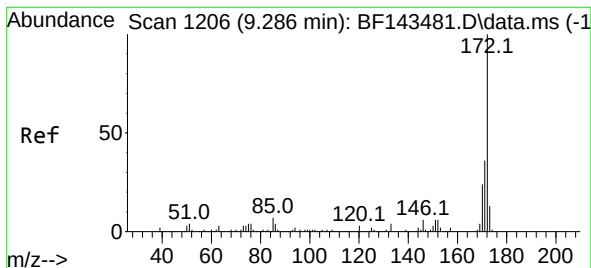
196 100

198 93.8 77.3 115.9

97 47.4 40.0 60.0

132 27.7 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 43.723 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

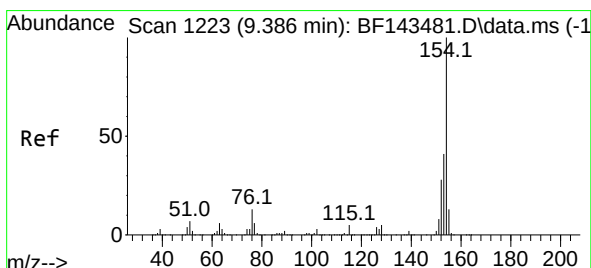
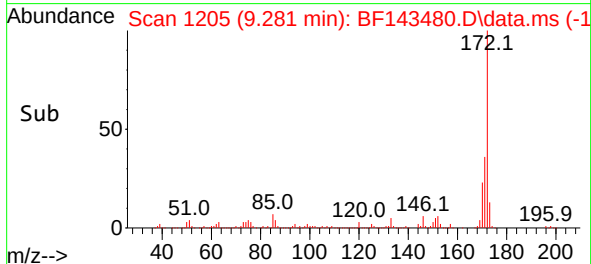
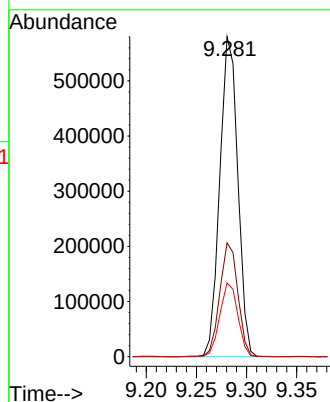
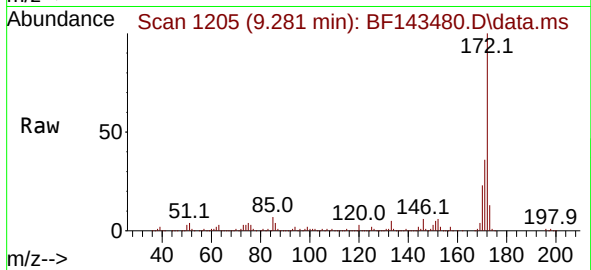
Tgt Ion:172 Resp: 723237

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.0 18.8 28.2



#46

1,1'-Biphenyl

Concen: 21.403 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

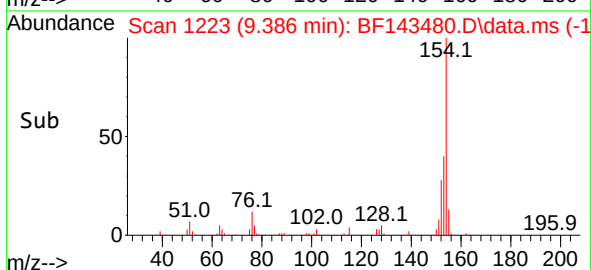
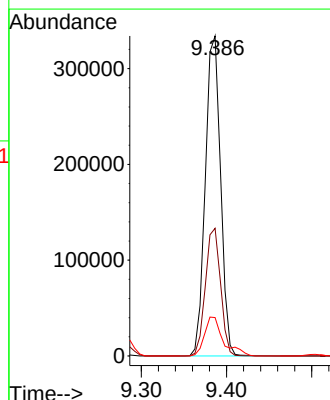
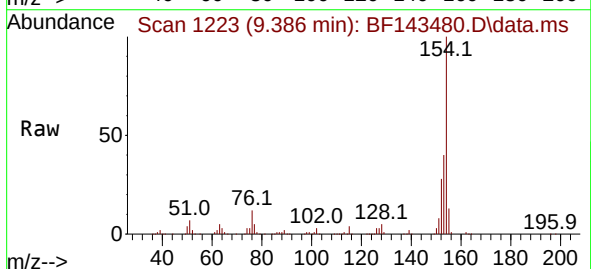
Tgt Ion:154 Resp: 415294

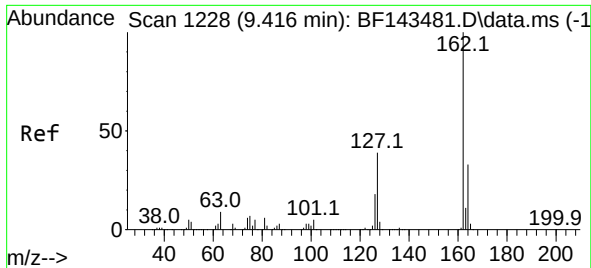
Ion Ratio Lower Upper

154 100

153 39.9 20.6 60.6

76 12.0 0.0 33.0





#47

2-Chloronaphthalene

Concen: 21.037 ng

RT: 9.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

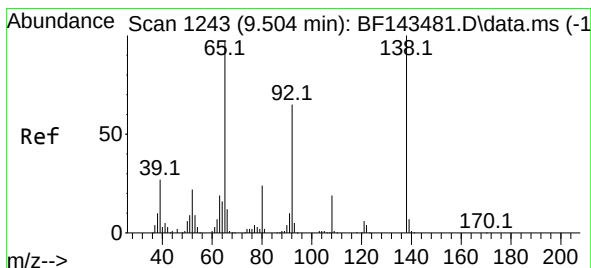
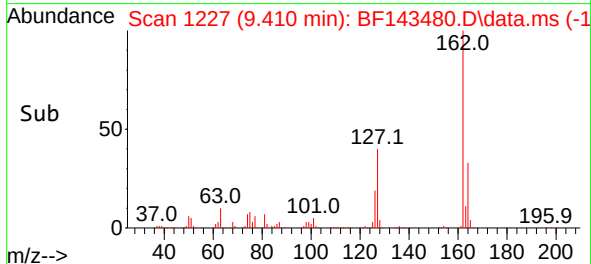
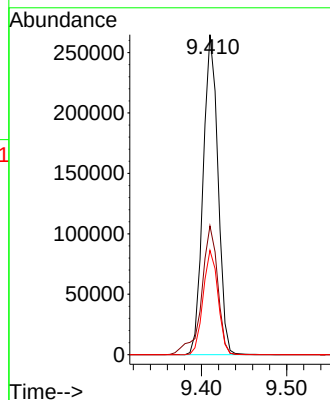
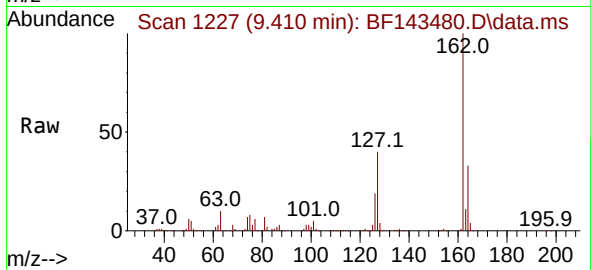
Tgt Ion:162 Resp: 320277

Ion Ratio Lower Upper

162 100

127 40.3 31.8 47.6

164 32.6 26.4 39.6



#48

2-Nitroaniline

Concen: 20.753 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

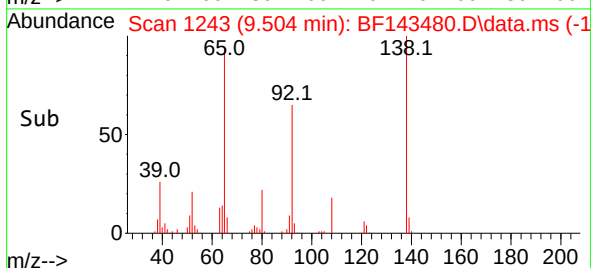
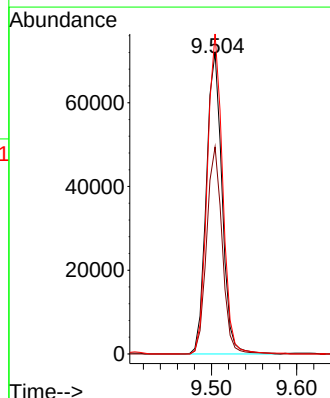
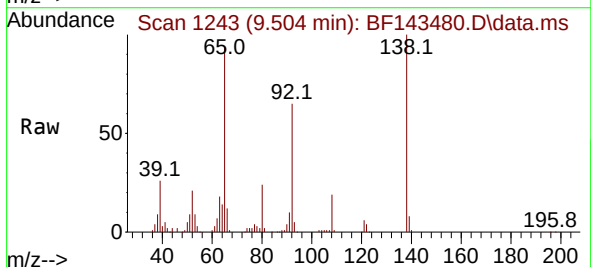
Tgt Ion: 65 Resp: 92468

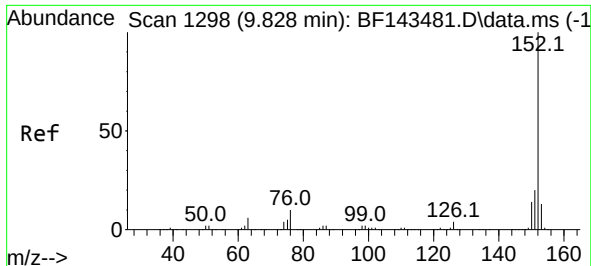
Ion Ratio Lower Upper

65 100

92 68.6 53.8 80.6

138 106.0 82.4 123.6





#49

Acenaphthylene

Concen: 21.158 ng

RT: 9.828 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

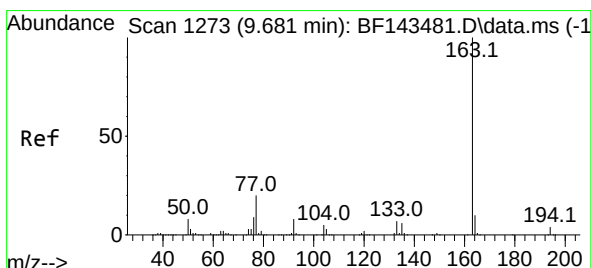
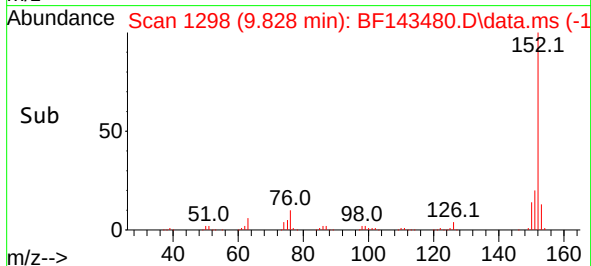
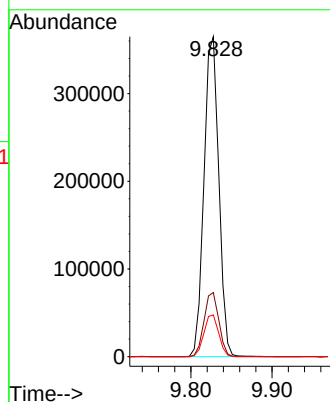
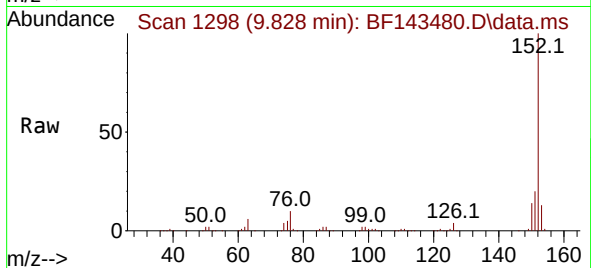
Tgt Ion:152 Resp: 461236

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 20.788 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

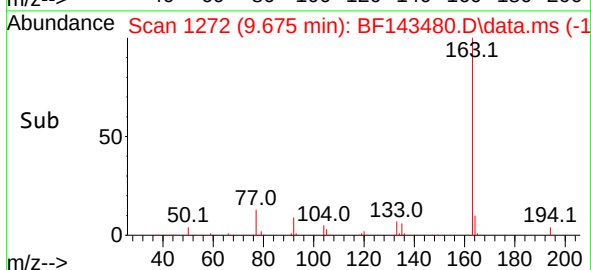
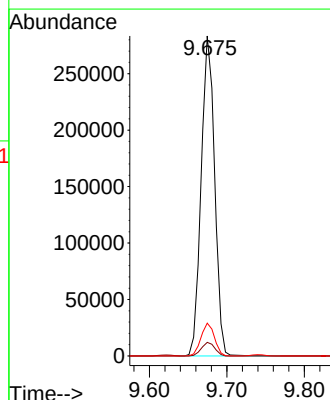
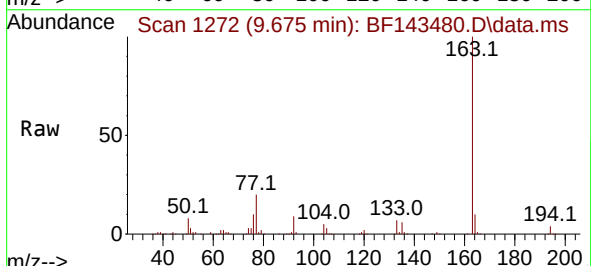
Tgt Ion:163 Resp: 342268

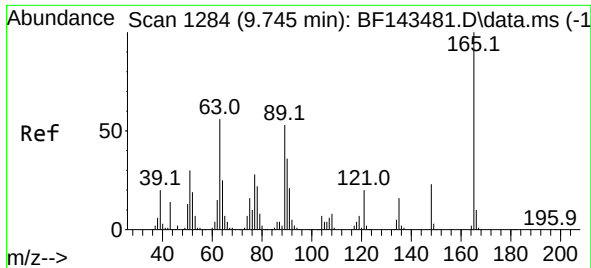
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.3 8.2 12.2

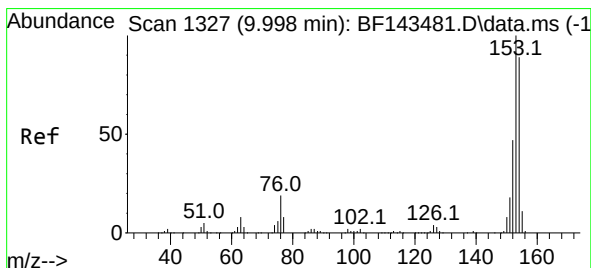
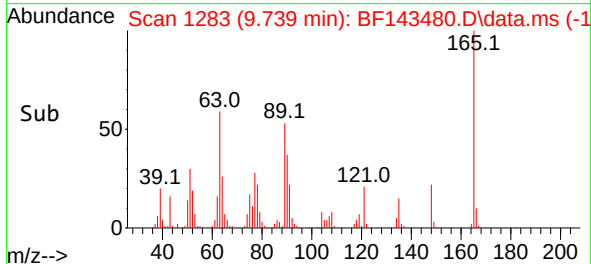
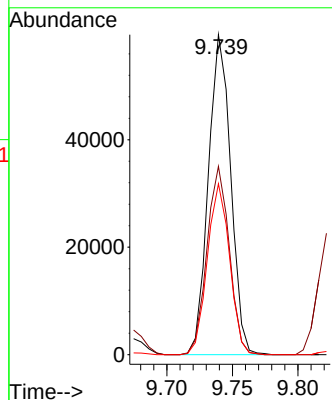
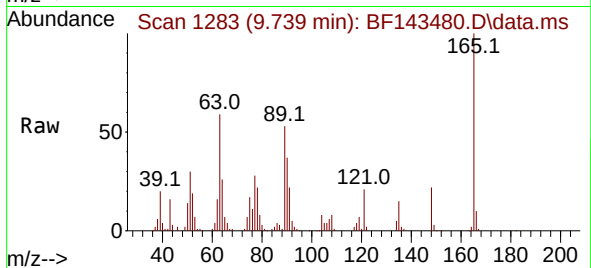




#51
2,6-Dinitrotoluene
Concen: 20.723 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

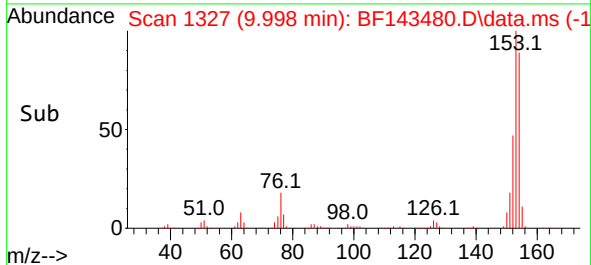
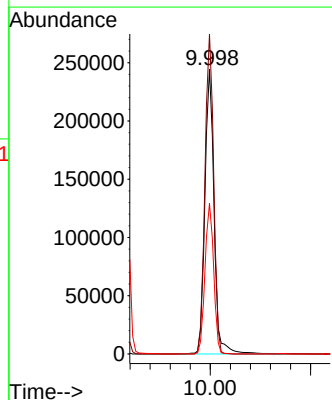
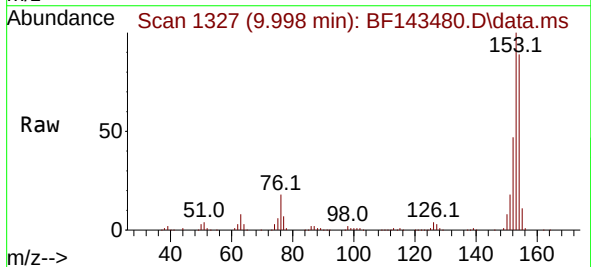
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

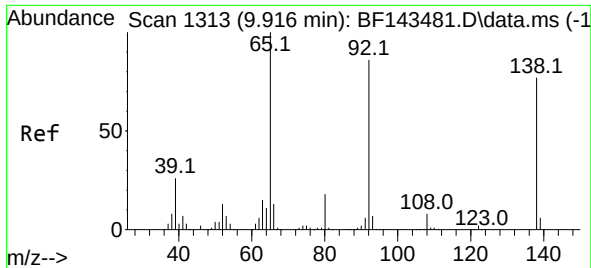
Tgt Ion:165 Resp: 70716
Ion Ratio Lower Upper
165 100
63 58.9 45.0 67.6
89 53.4 42.5 63.7



#52
Acenaphthene
Concen: 20.998 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:154 Resp: 310782
Ion Ratio Lower Upper
154 100
153 112.5 89.5 134.3
152 52.9 42.5 63.7

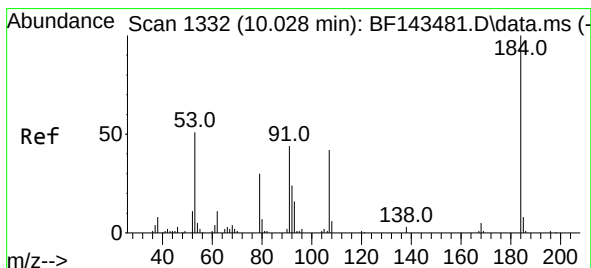
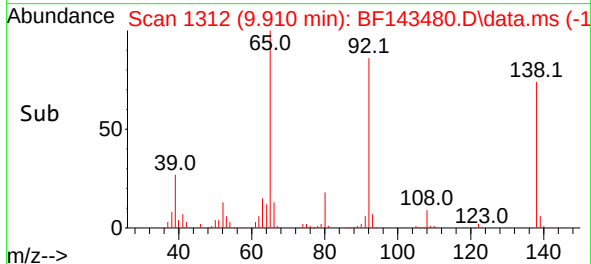
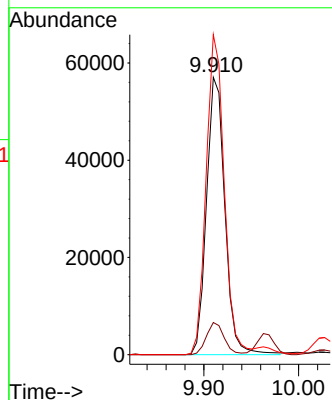
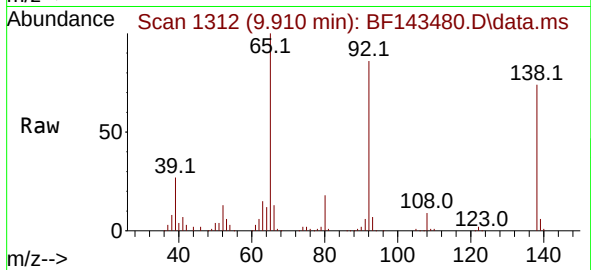




#53
3-Nitroaniline
Concen: 20.791 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

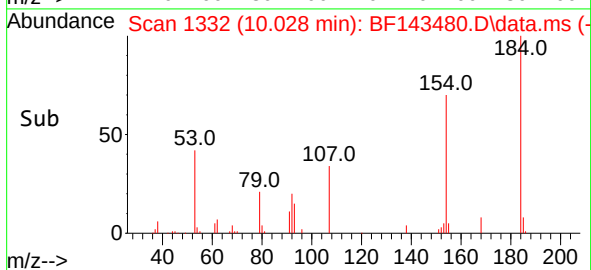
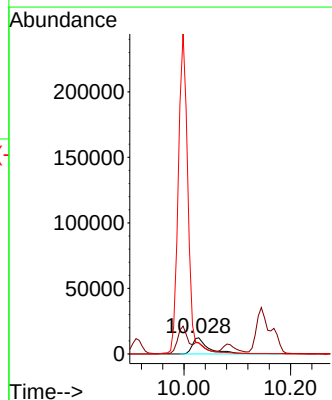
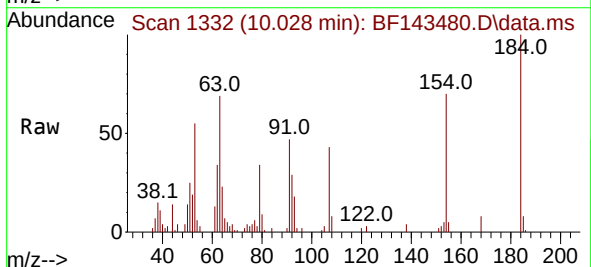
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

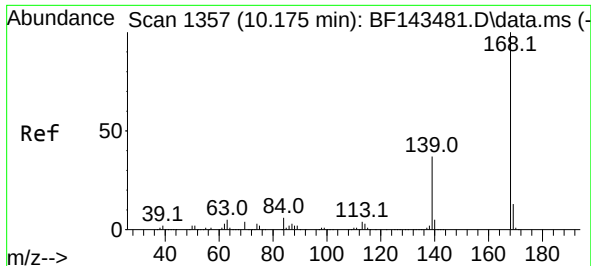
Tgt Ion:138 Resp: 76663
Ion Ratio Lower Upper
138 100
108 11.6 8.6 13.0
92 115.3 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 19.096 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:184 Resp: 26974
Ion Ratio Lower Upper
184 100
63 68.7 52.6 78.8
154 69.6 51.0 76.4

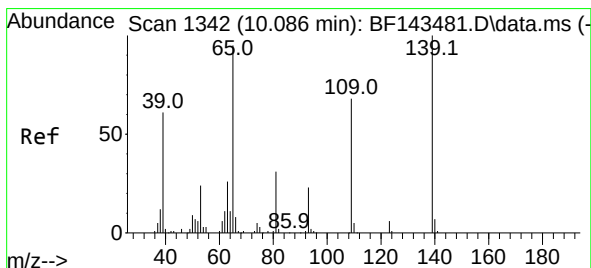
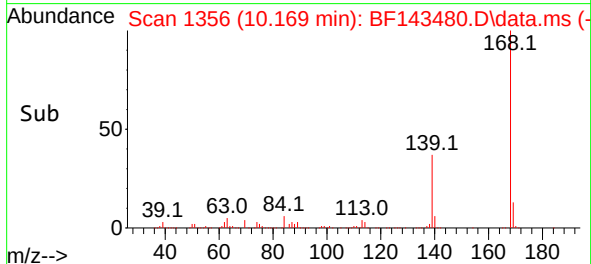
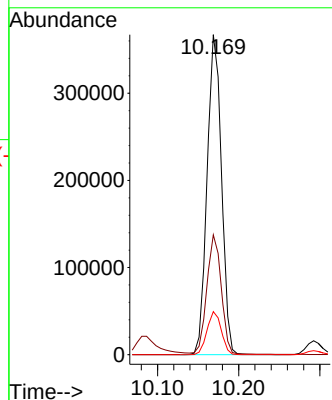
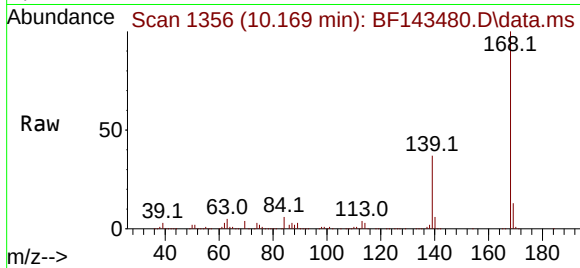




#55
Dibenzenofuran
Concen: 21.335 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

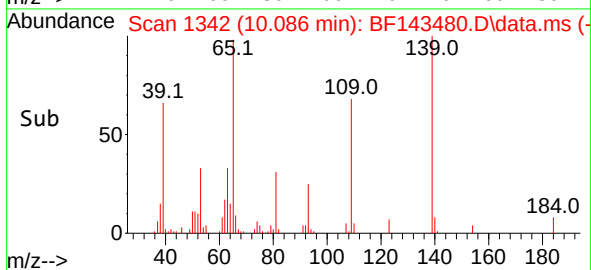
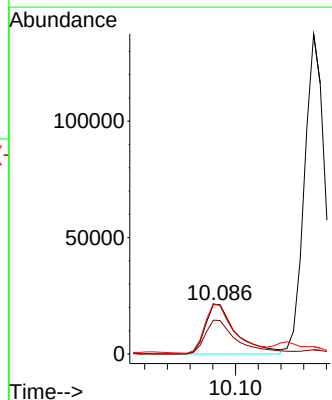
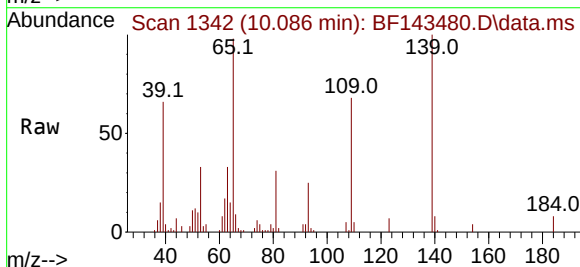
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

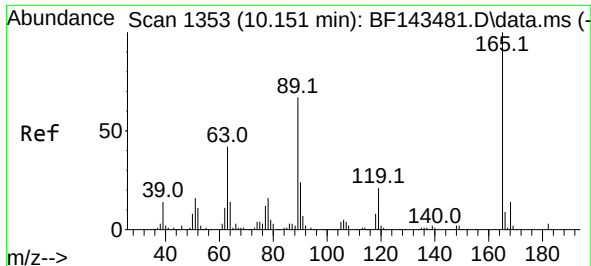
Tgt Ion:168 Resp: 450207
Ion Ratio Lower Upper
168 100
139 37.4 29.8 44.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 18.359 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:139 Resp: 40278
Ion Ratio Lower Upper
139 100
109 67.8 48.2 88.2
65 97.6 75.8 115.8

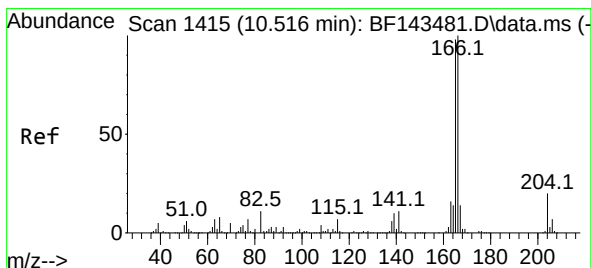
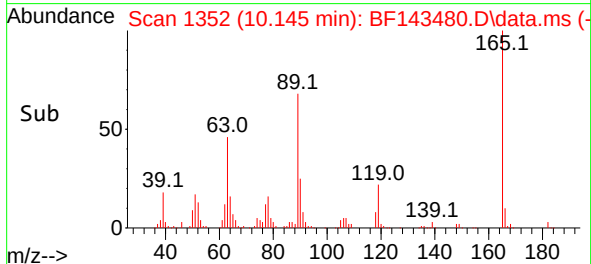
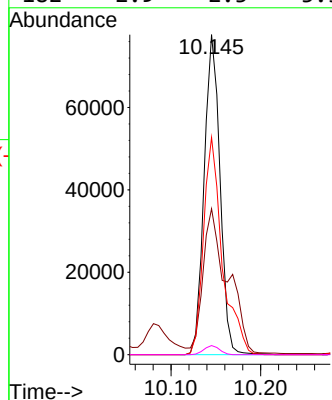
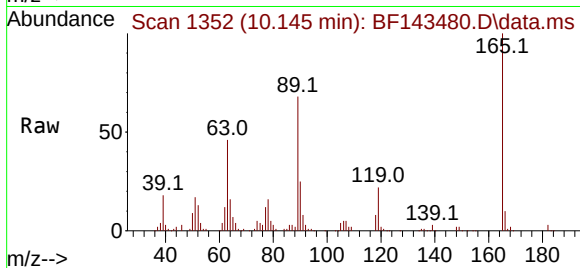




#57
2,4-Dinitrotoluene
Concen: 20.923 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

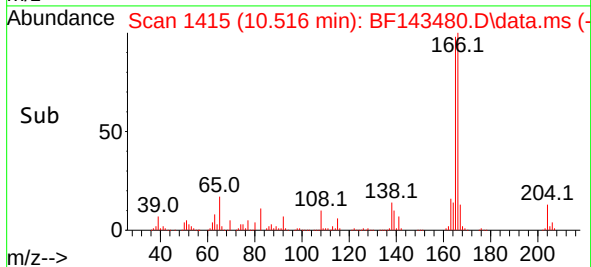
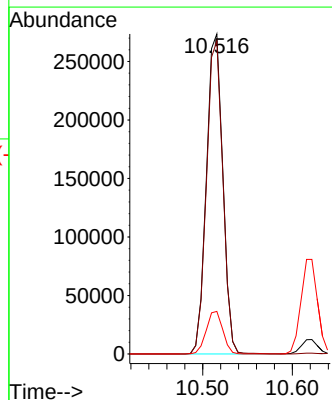
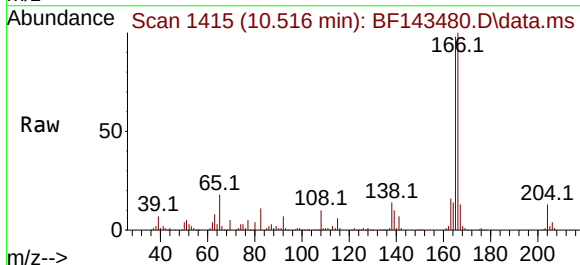
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

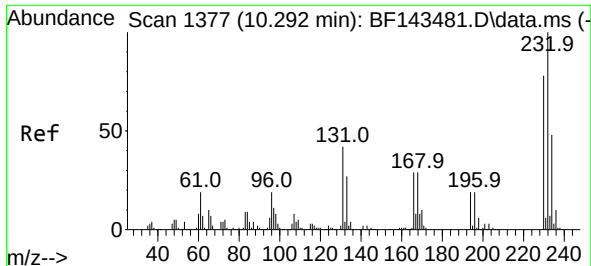
Tgt Ion:165	Resp:	95333	
Ion	Ratio	Lower	Upper
165	100		
63	45.6	34.9	52.3
89	67.9	53.3	79.9
182	2.9	2.3	3.5



#58
Fluorene
Concen: 21.370 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

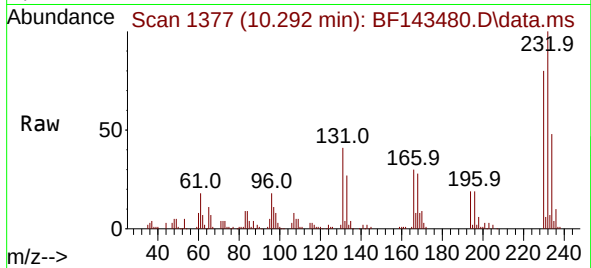
Tgt Ion:166	Resp:	347075	
Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.3	117.5
167	13.3	11.0	16.4



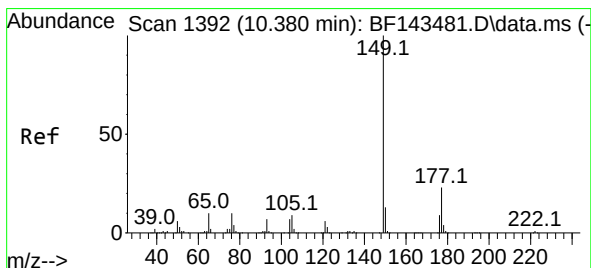
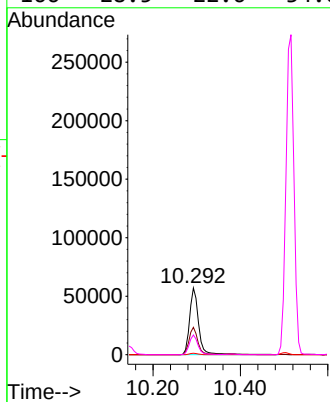
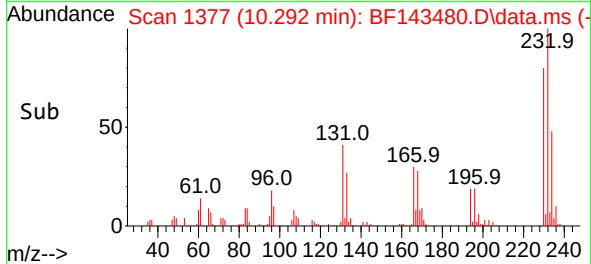


#59
2,3,4,6-Tetrachlorophenol
Concen: 20.905 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

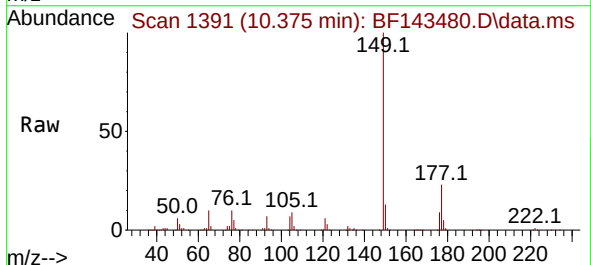
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



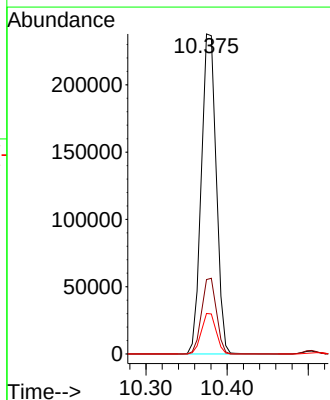
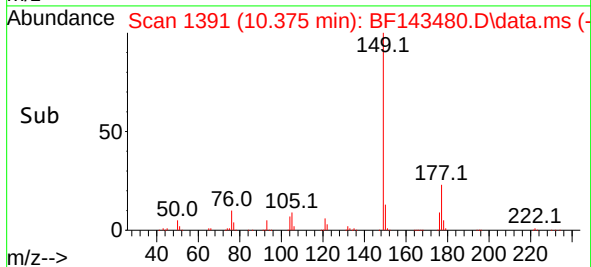
Tgt Ion:232 Resp: 81629
Ion Ratio Lower Upper
232 100
131 39.8 32.7 49.1
130 1.8 1.6 2.4
166 28.5 22.6 34.0

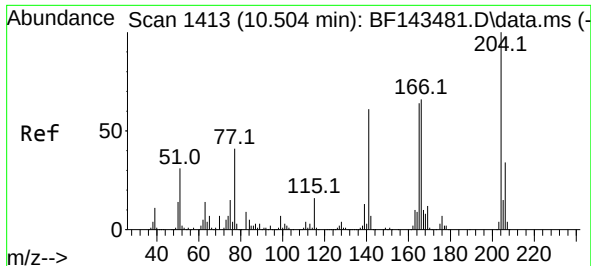


#60
Diethylphthalate
Concen: 20.558 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23



Tgt Ion:149 Resp: 303476
Ion Ratio Lower Upper
149 100
177 23.2 18.3 27.5
150 12.7 10.3 15.5

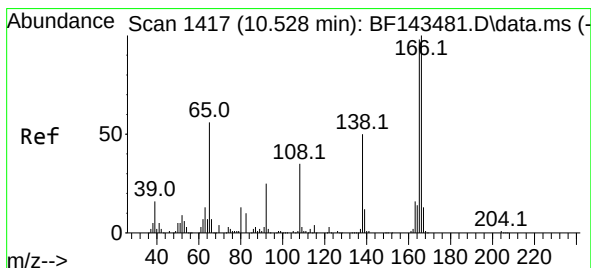
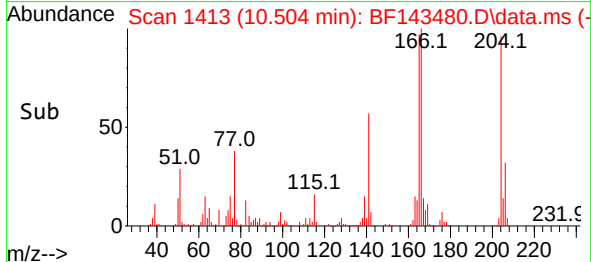
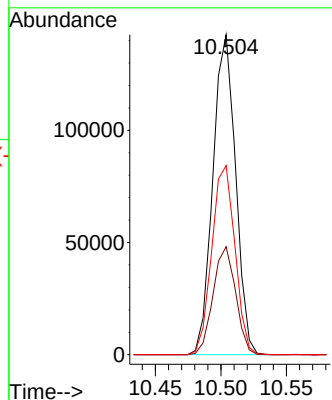
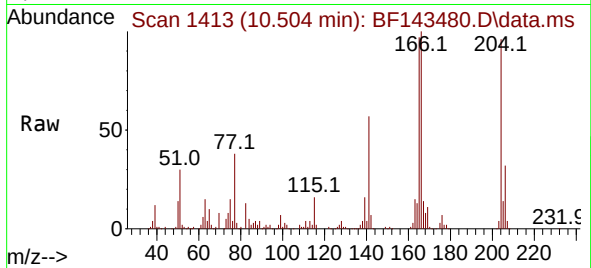




#61
4-Chlorophenyl-phenylether
Concen: 21.142 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

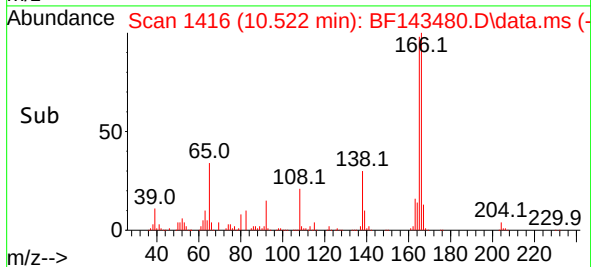
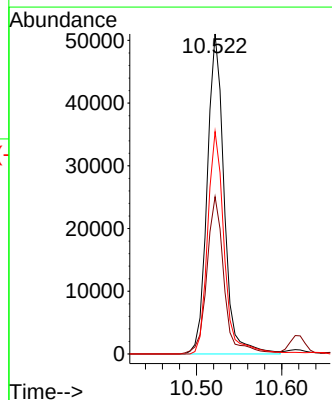
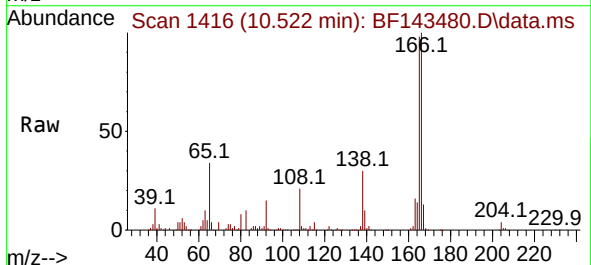
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

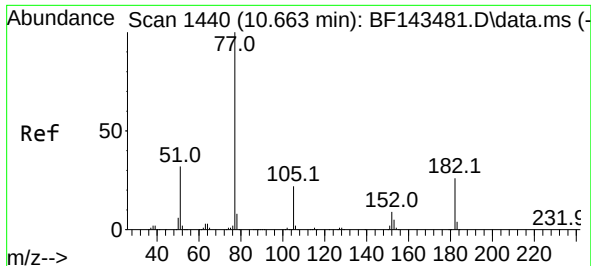
Tgt Ion:204 Resp: 171724
Ion Ratio Lower Upper
204 100
206 33.7 27.0 40.4
141 59.1 48.7 73.1



#62
4-Nitroaniline
Concen: 20.840 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:138 Resp: 70583
Ion Ratio Lower Upper
138 100
92 49.1 29.3 69.3
108 69.5 50.7 90.7

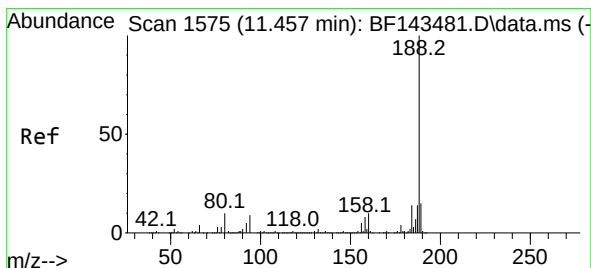
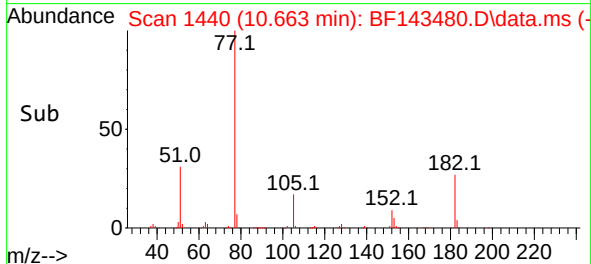
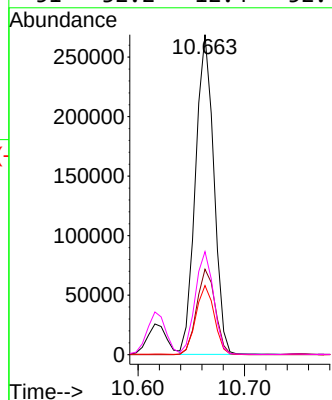
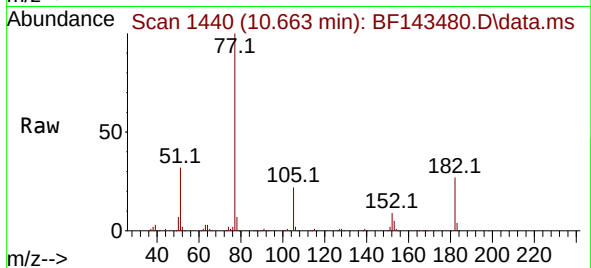




#63
Azobenzene
Concen: 21.019 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

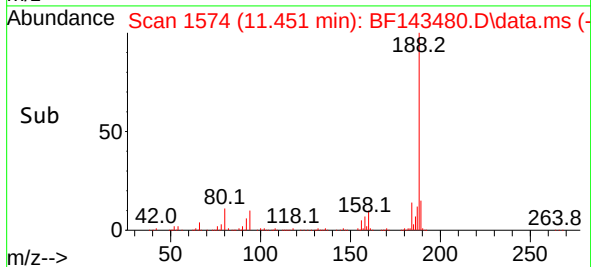
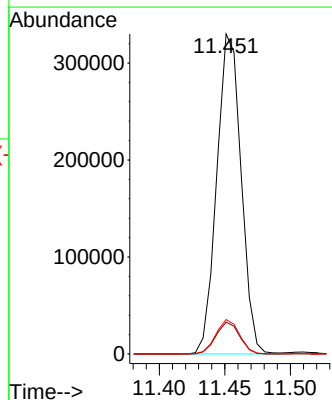
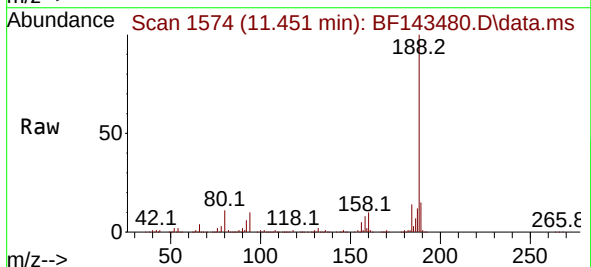
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

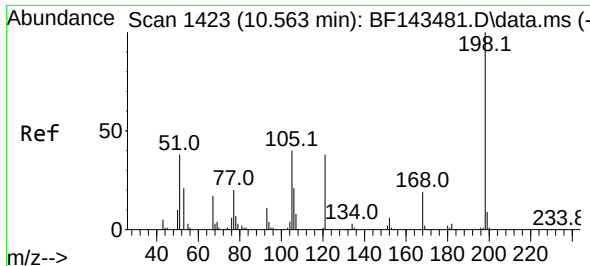
Tgt Ion: 77	Resp: 321721
Ion Ratio	Lower Upper
77 100	
182 26.7	6.2 46.2
105 21.6	2.2 42.2
51 32.2	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:188	Resp: 425626
Ion Ratio	Lower Upper
188 100	
94 10.0	7.4 11.2
80 10.8	8.2 12.4

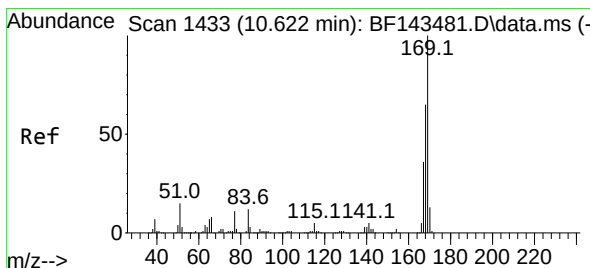
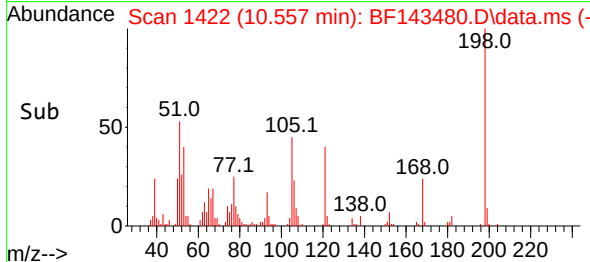
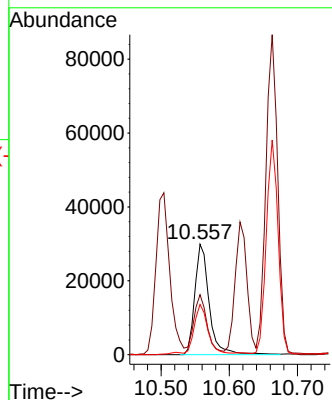
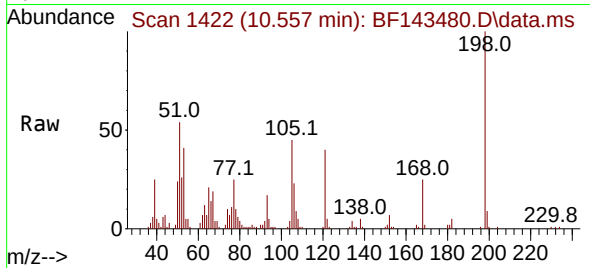




#65
4,6-Dinitro-2-methylphenol
Concen: 18.261 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

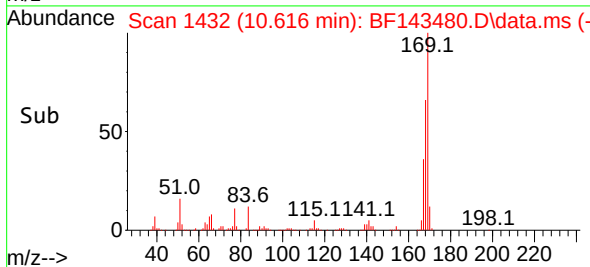
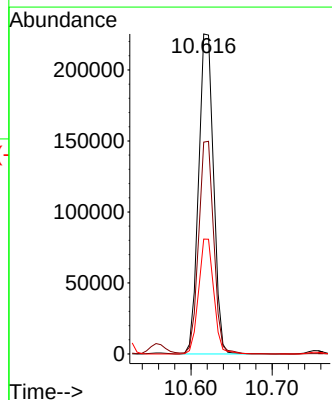
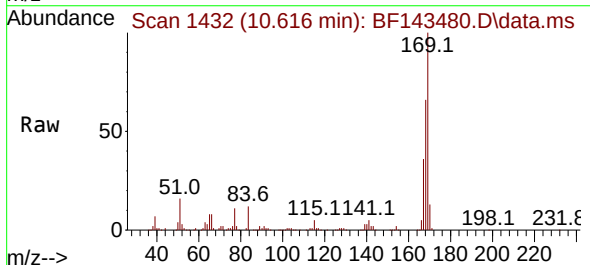
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

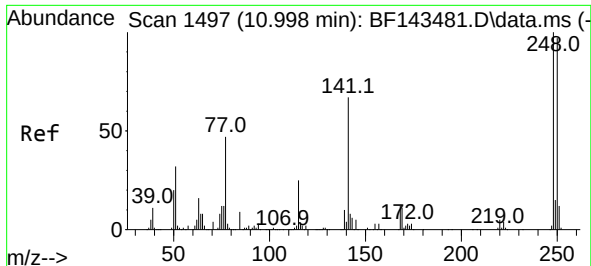
Tgt Ion:198 Resp: 43824
Ion Ratio Lower Upper
198 100
51 54.3 29.6 69.6
105 45.5 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 21.089 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:169 Resp: 288871
Ion Ratio Lower Upper
169 100
168 66.2 52.4 78.6
167 35.9 28.9 43.3

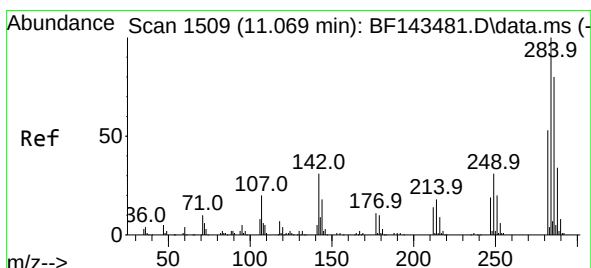
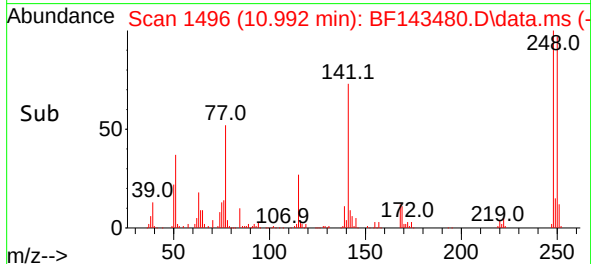
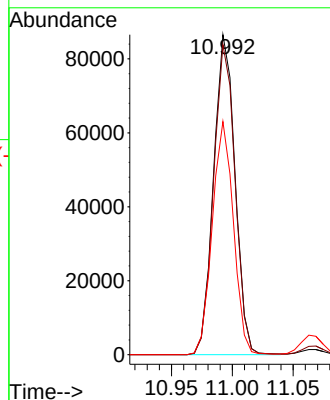
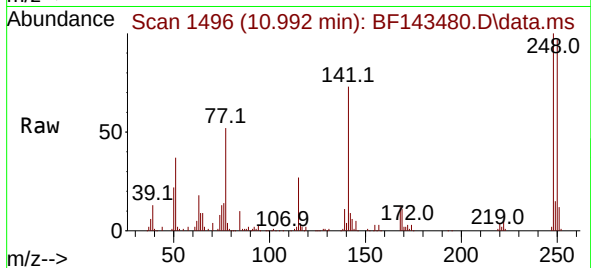




#67
4-Bromophenyl-phenylether
Concen: 20.944 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

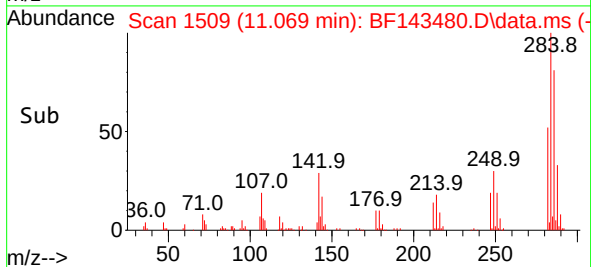
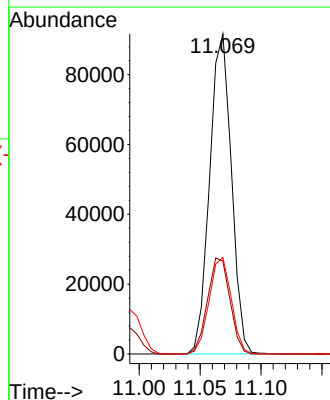
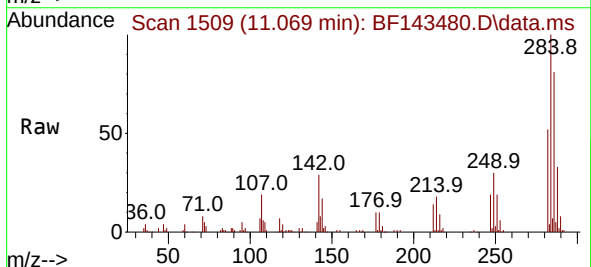
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

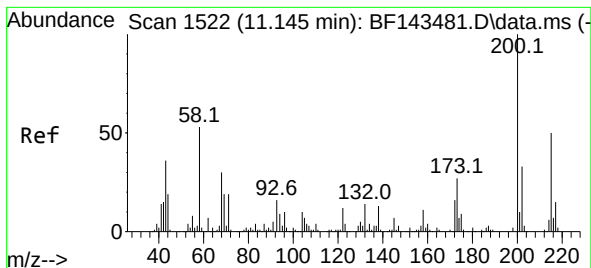
Tgt Ion:248 Resp: 106363
Ion Ratio Lower Upper
248 100
250 96.9 77.8 116.8
141 72.9 54.0 81.0



#68
Hexachlorobenzene
Concen: 20.773 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:284 Resp: 113714
Ion Ratio Lower Upper
284 100
142 29.0 24.4 36.6
249 30.2 25.0 37.6





#69

Atrazine

Concen: 19.750 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

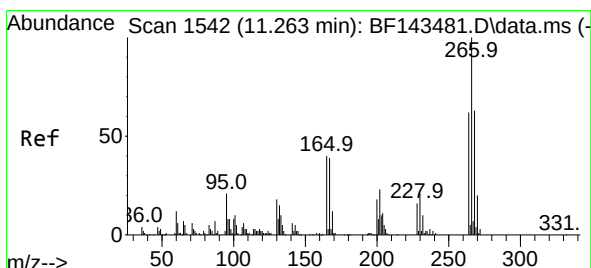
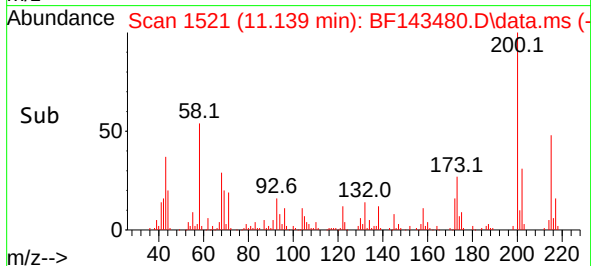
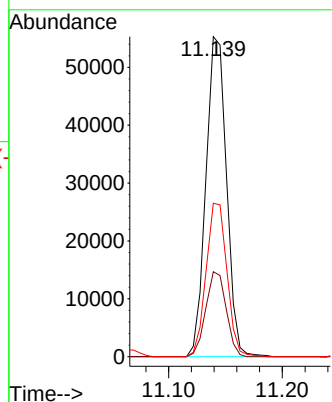
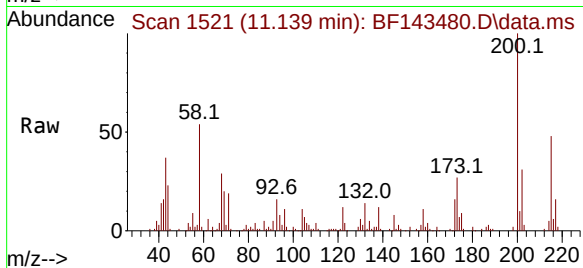
Tgt Ion:200 Resp: 69831

Ion Ratio Lower Upper

200 100

173 26.6 6.9 46.9

215 48.0 30.0 70.0



#70

Pentachlorophenol

Concen: 18.070 ng

RT: 11.269 min Scan# 1543

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

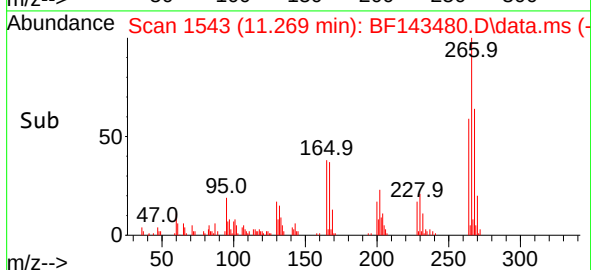
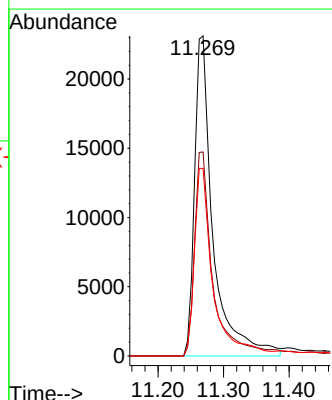
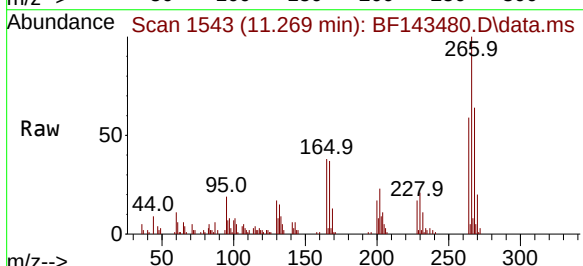
Tgt Ion:266 Resp: 45302

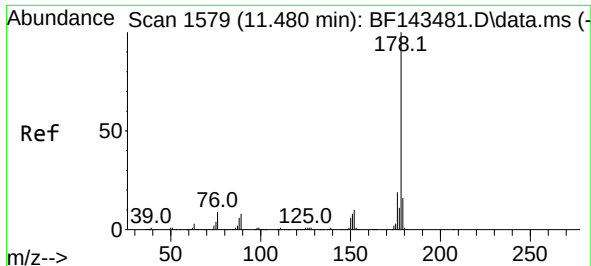
Ion Ratio Lower Upper

266 100

268 63.7 50.5 75.7

264 58.6 49.8 74.8

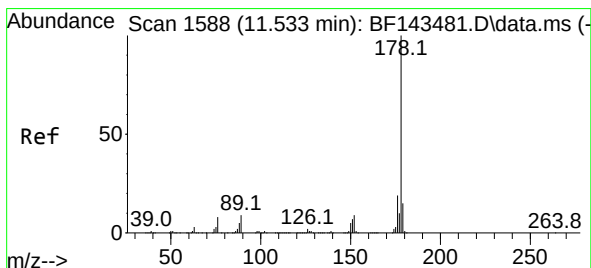
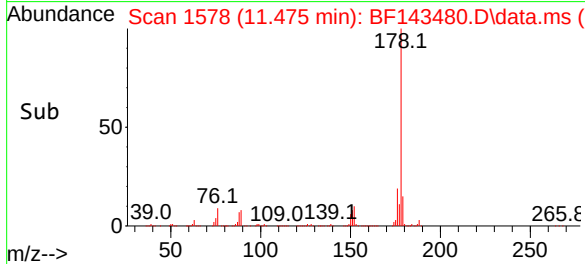
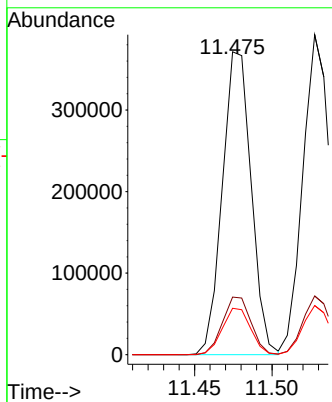
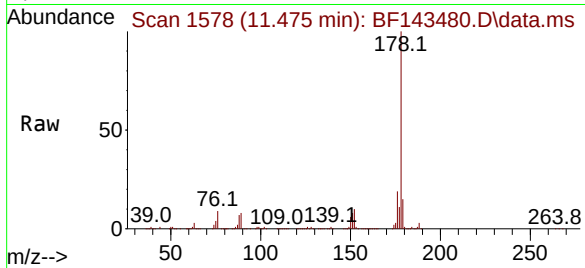




#71
Phenanthrene
Concen: 21.099 ng
RT: 11.475 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

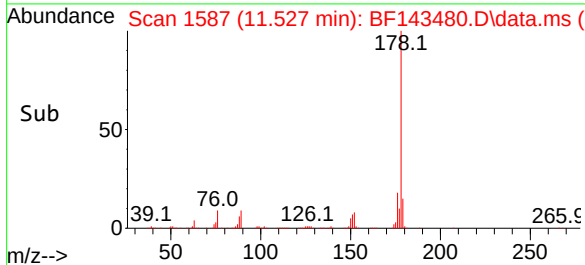
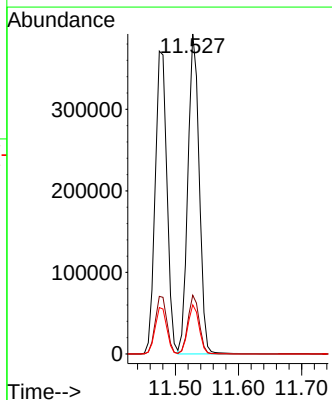
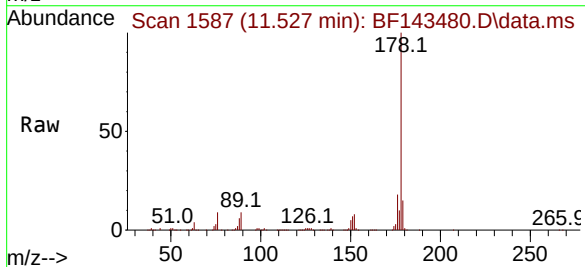
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

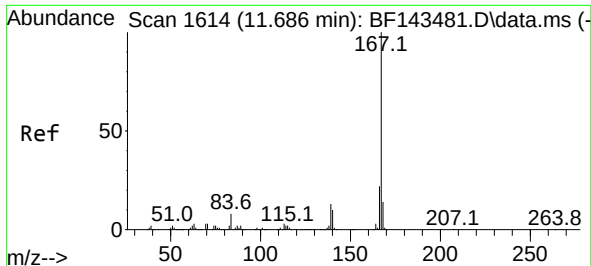
Tgt Ion:178 Resp: 480915
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.5 18.7



#72
Anthracene
Concen: 21.164 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:178 Resp: 488675
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.4 12.3 18.5

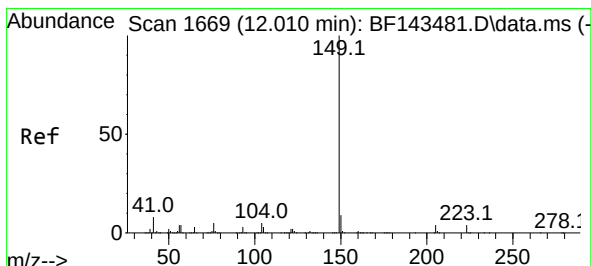
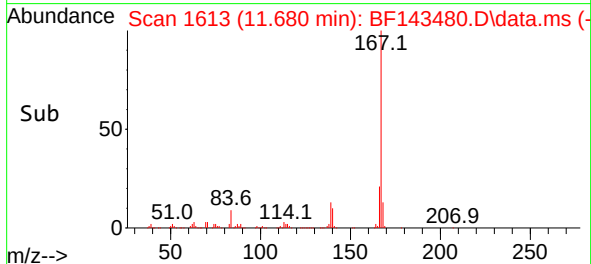
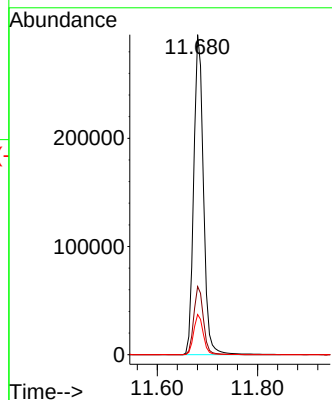
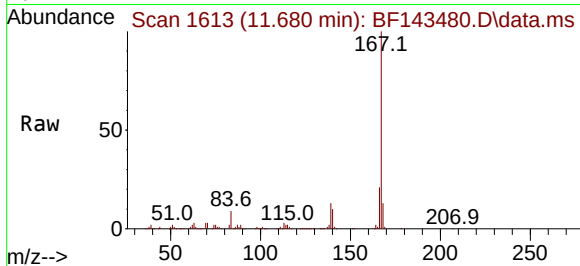




#73
Carbazole
Concen: 20.967 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

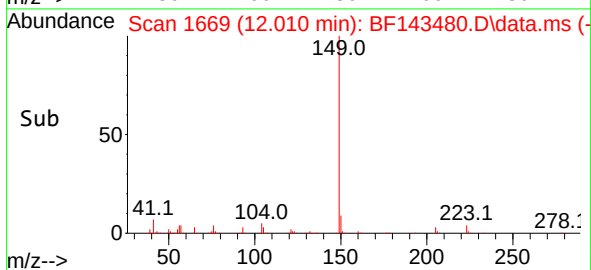
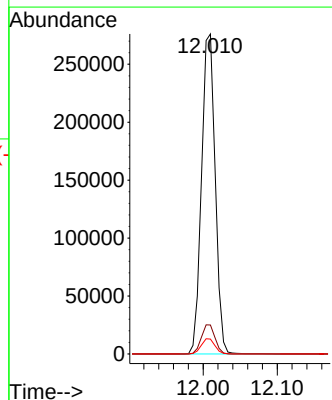
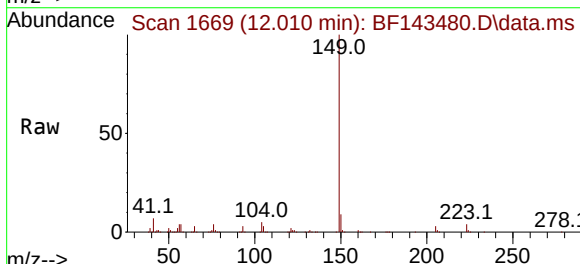
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

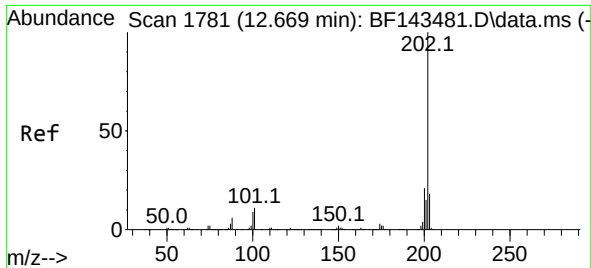
Tgt Ion:167 Resp: 396704
Ion Ratio Lower Upper
167 100
166 21.3 17.3 25.9
139 12.6 10.0 15.0



#74
Di-n-butylphthalate
Concen: 20.013 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:149 Resp: 353228
Ion Ratio Lower Upper
149 100
150 9.1 7.2 10.8
104 4.6 3.6 5.4

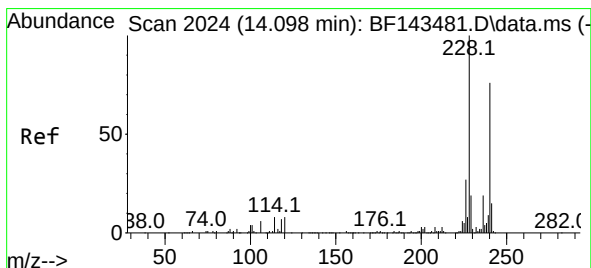
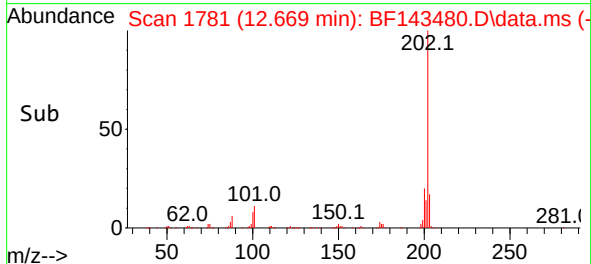
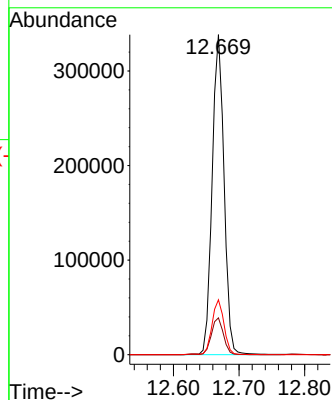
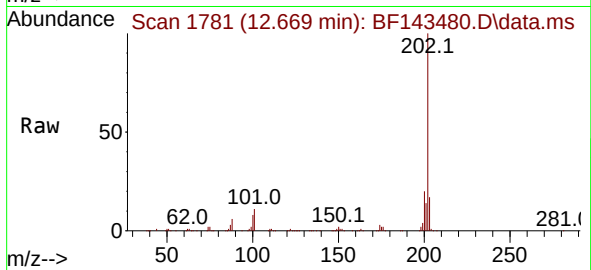




#75
Fluoranthene
Concen: 20.846 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

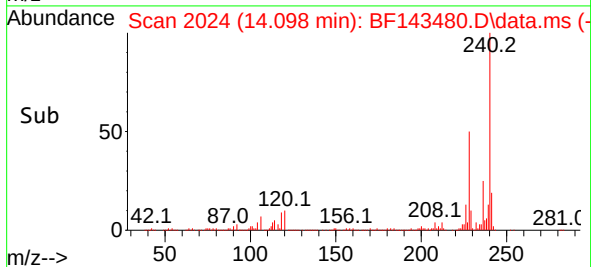
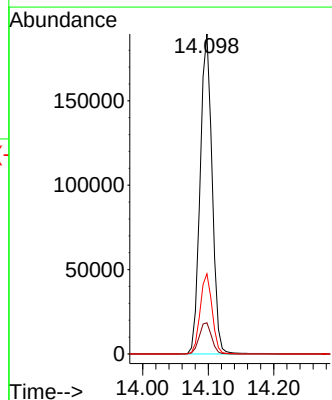
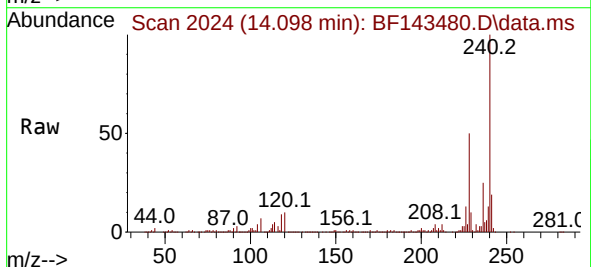
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

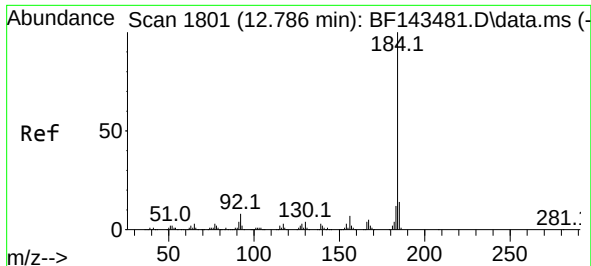
Tgt Ion:202 Resp: 426351
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.3
203 17.1 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:240 Resp: 241250
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.0 20.4 30.6

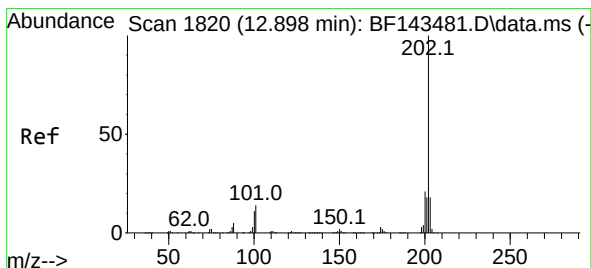
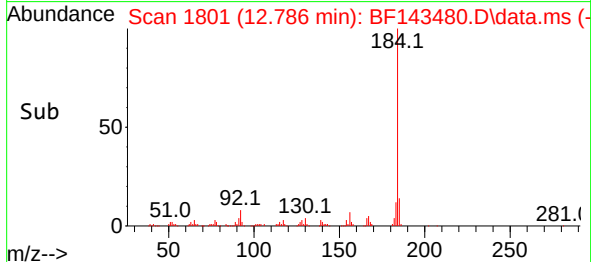
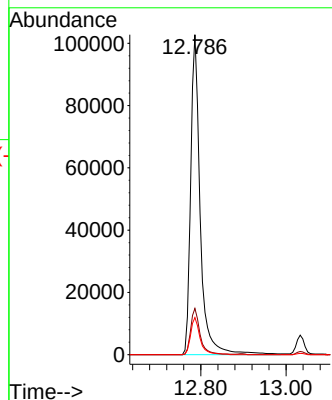
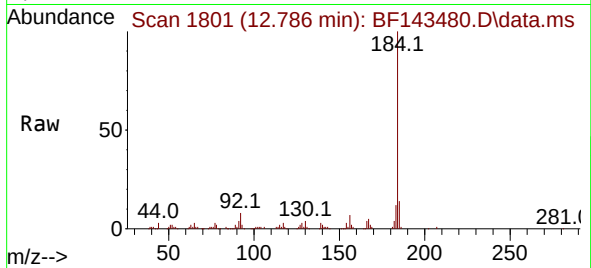




#77
Benzidine
Concen: 27.286 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

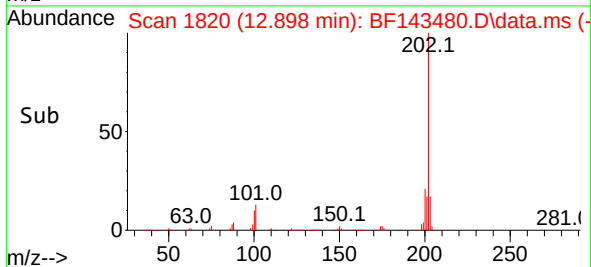
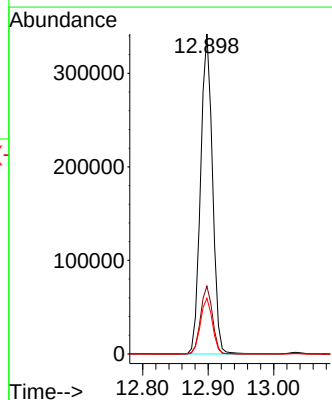
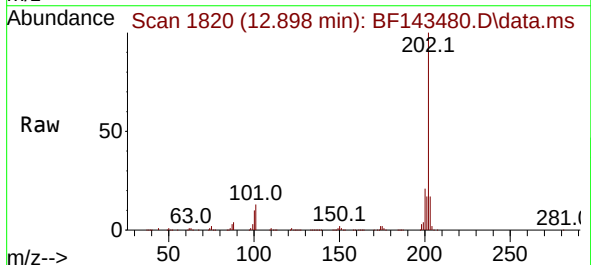
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

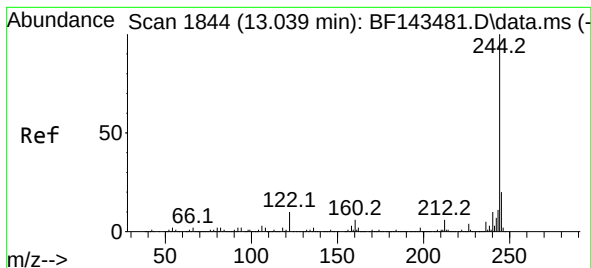
Tgt Ion:184 Resp: 160347
Ion Ratio Lower Upper
184 100
185 14.5 11.3 16.9
183 11.6 9.5 14.3



#78
Pyrene
Concen: 21.798 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:202 Resp: 432575
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 43.541 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

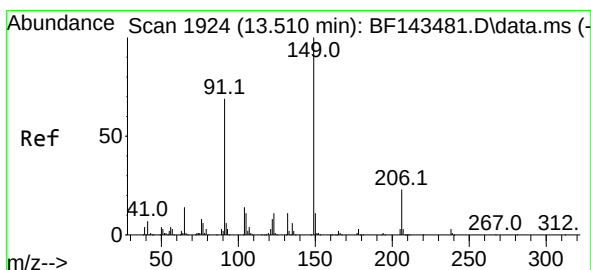
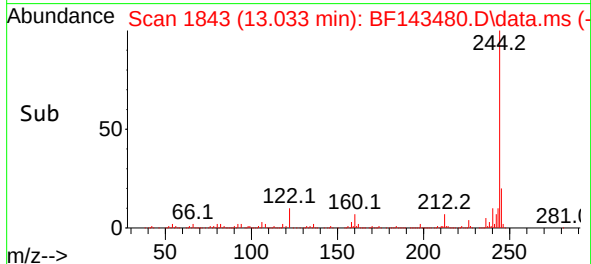
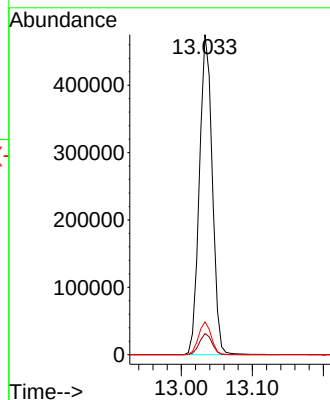
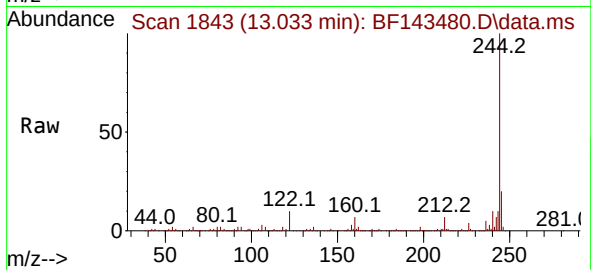
Tgt Ion:244 Resp: 601957

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.3 7.9 11.9



#80

Butylbenzylphthalate

Concen: 19.698 ng

RT: 13.510 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

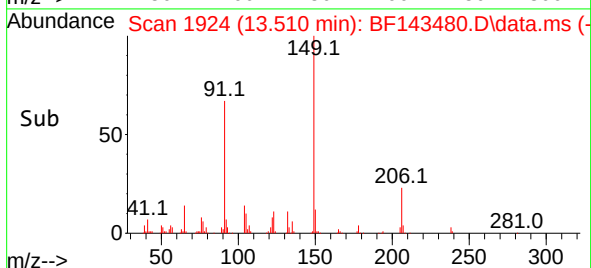
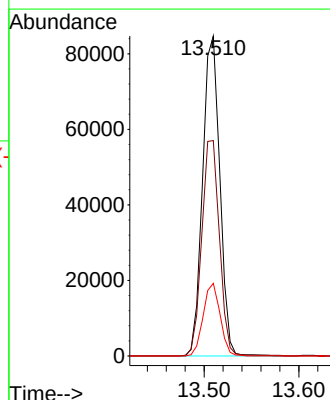
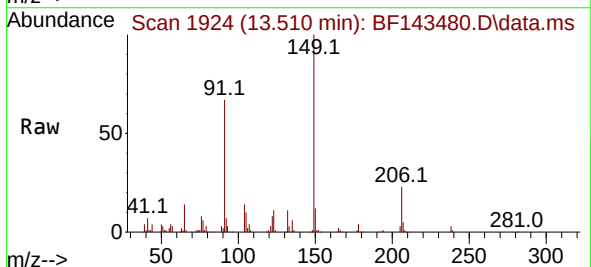
Tgt Ion:149 Resp: 106788

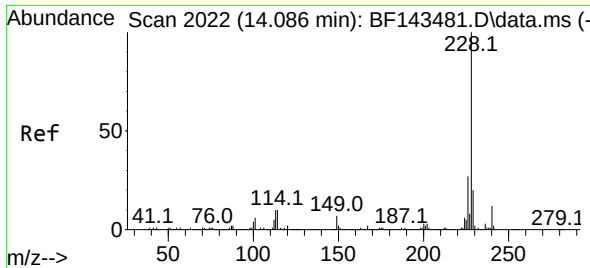
Ion Ratio Lower Upper

149 100

91 67.3 55.3 82.9

206 22.7 18.2 27.4

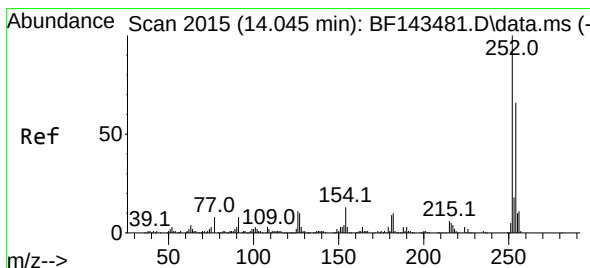
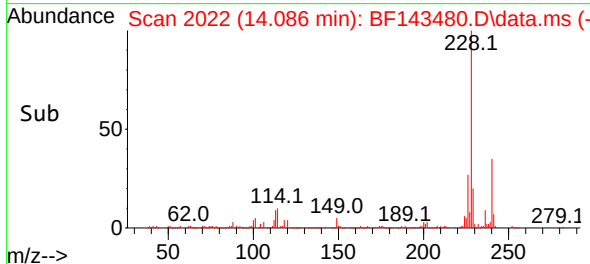
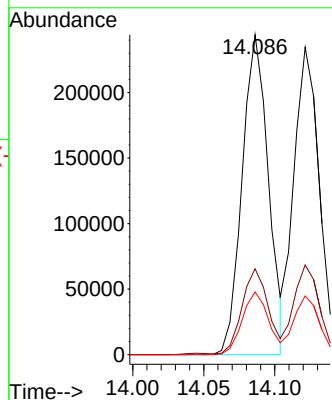
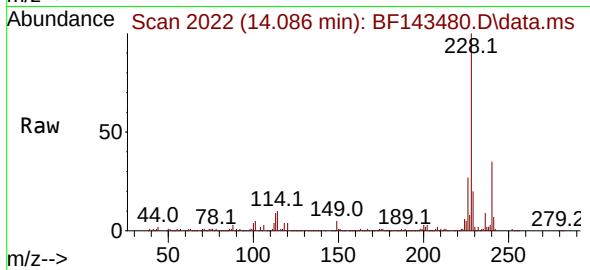




#81
Benzo(a)anthracene
Concen: 20.196 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

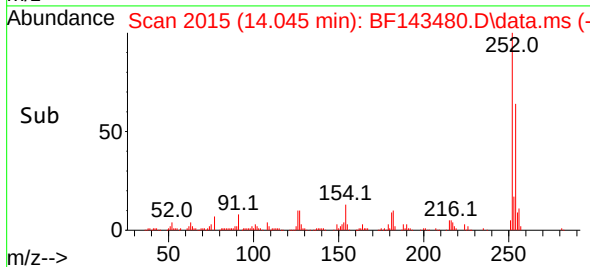
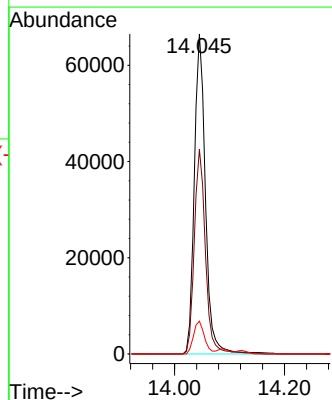
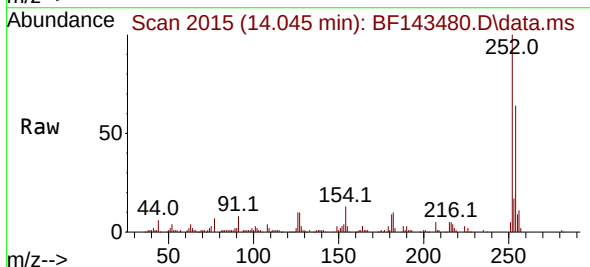
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

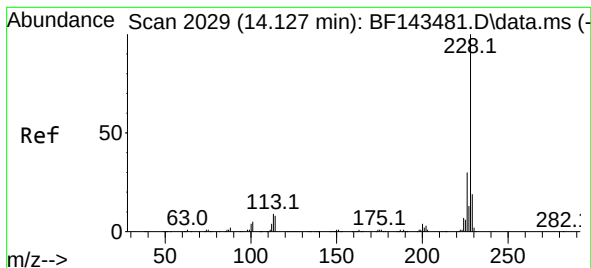
Tgt Ion:228 Resp: 313687
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 19.6 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 20.959 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:252 Resp: 93226
Ion Ratio Lower Upper
252 100
254 64.0 52.6 79.0
126 10.3 8.7 13.1





#83

Chrysene

Concen: 20.957 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

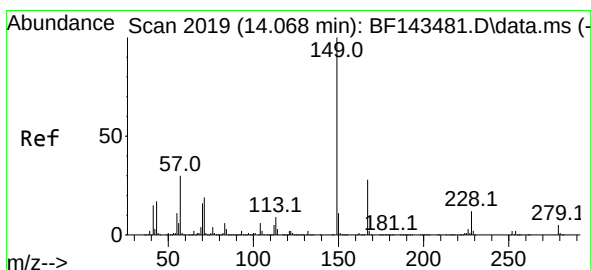
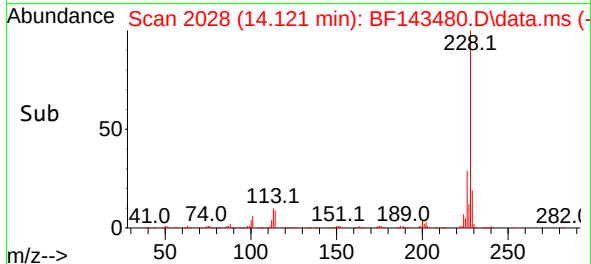
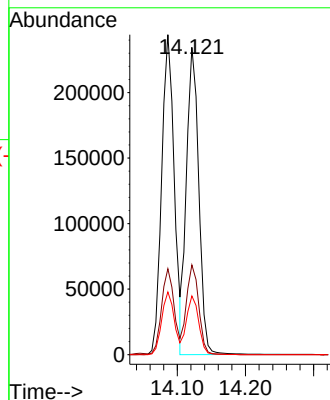
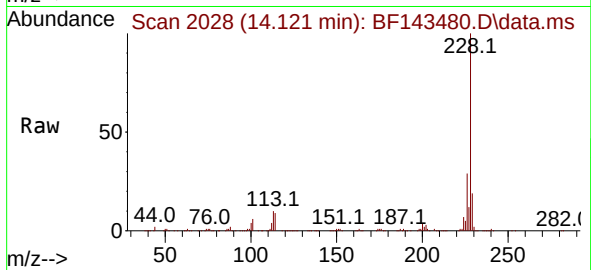
Tgt Ion:228 Resp: 292523

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

229 19.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.434 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

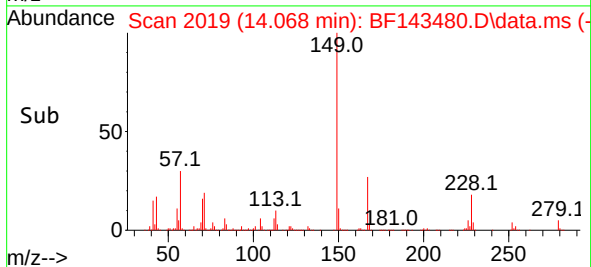
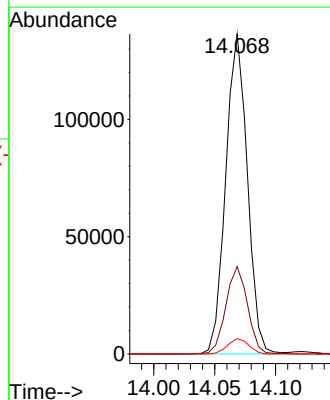
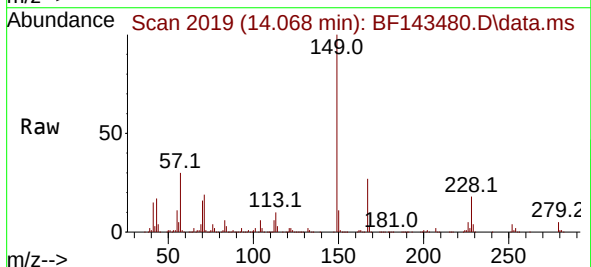
Tgt Ion:149 Resp: 168717

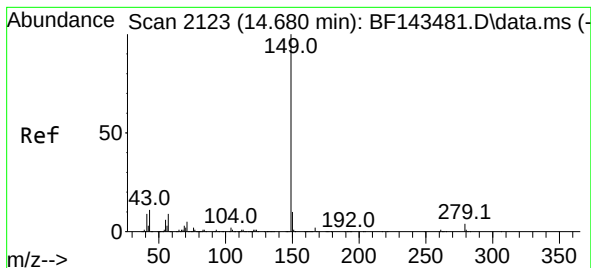
Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.2

279 4.8 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 20.329 ng

RT: 14.680 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

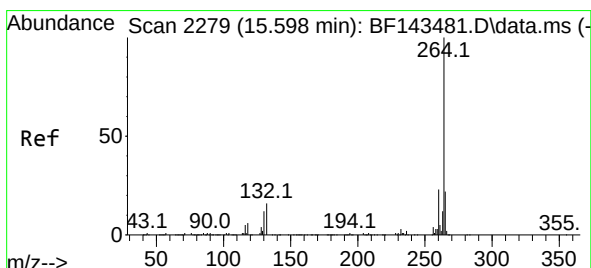
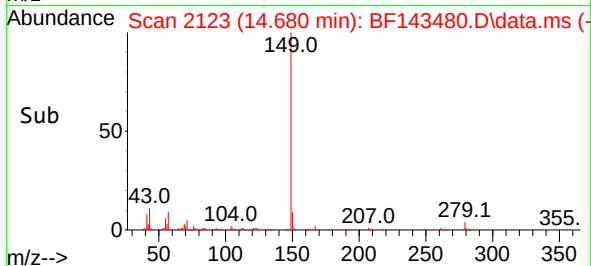
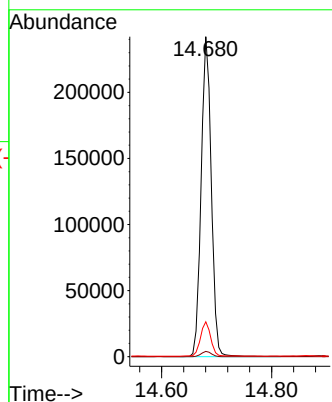
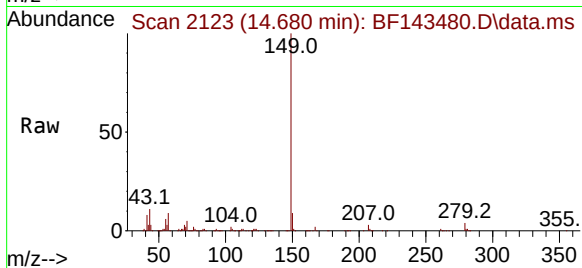
Tgt Ion:149 Resp: 310954

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 11.0 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.598 min Scan# 2279

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

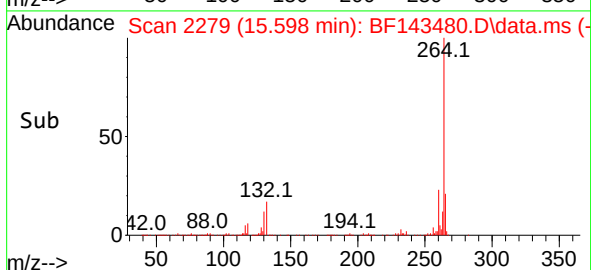
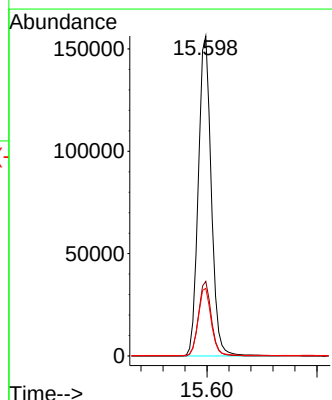
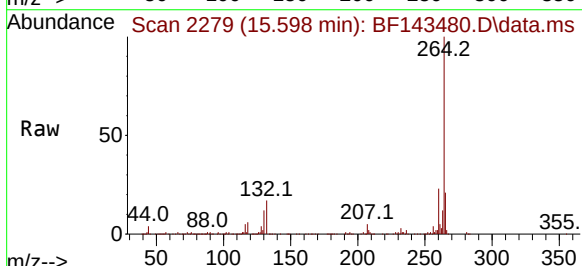
Tgt Ion:264 Resp: 255472

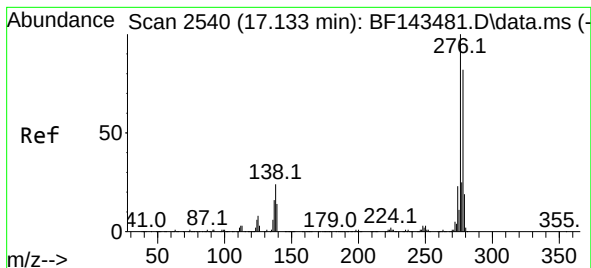
Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.1 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 21.773 ng

RT: 17.121 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

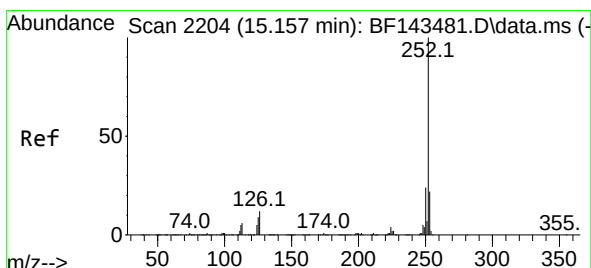
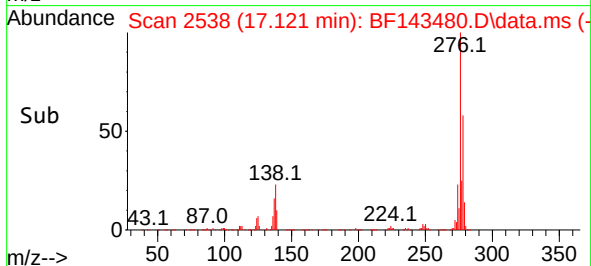
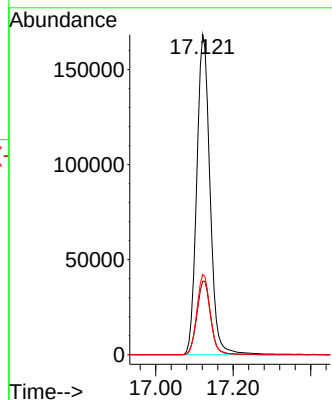
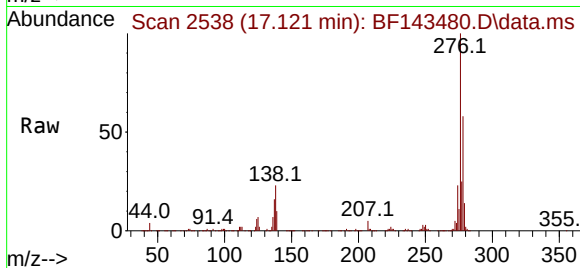
Tgt Ion:276 Resp: 399711

Ion Ratio Lower Upper

276 100

138 23.8 19.2 28.8

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 21.268 ng

RT: 15.151 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

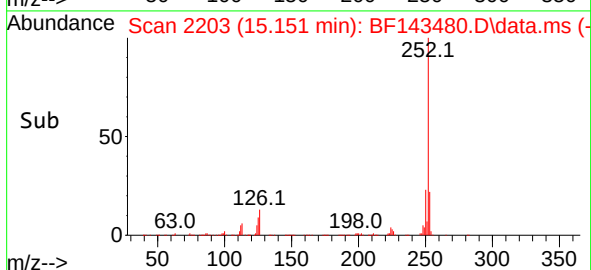
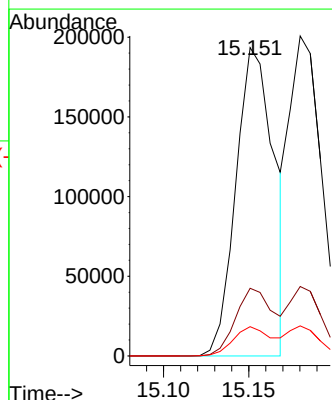
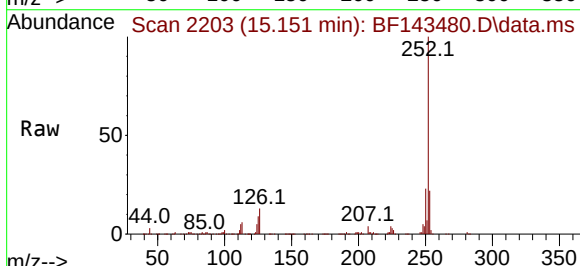
Tgt Ion:252 Resp: 302016

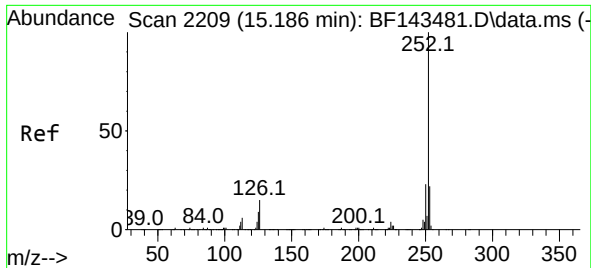
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.5 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 19.835 ng

RT: 15.180 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

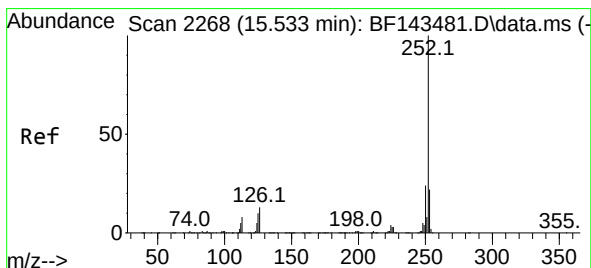
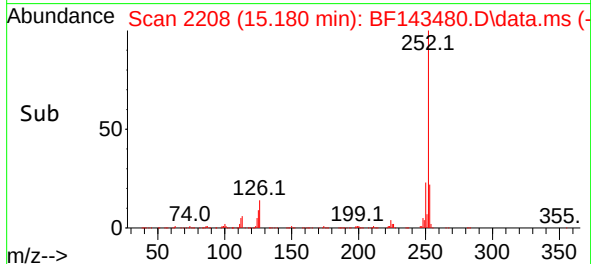
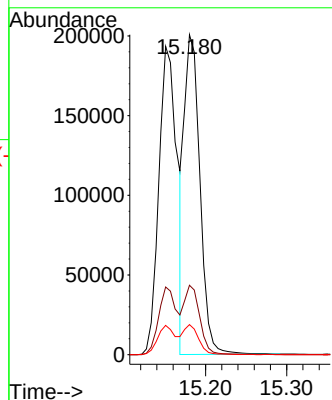
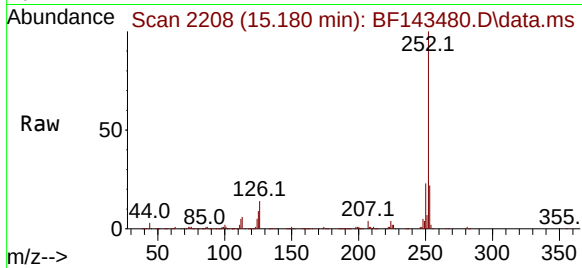
Tgt Ion:252 Resp: 269685

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 9.4 7.4 11.0



#90

Benzo(a)pyrene

Concen: 20.819 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

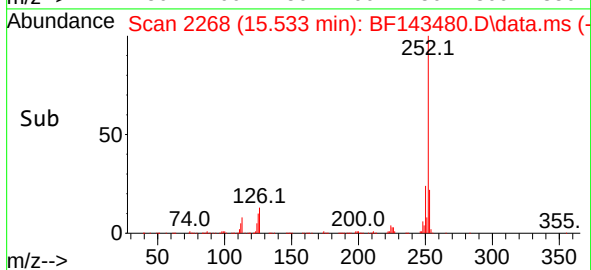
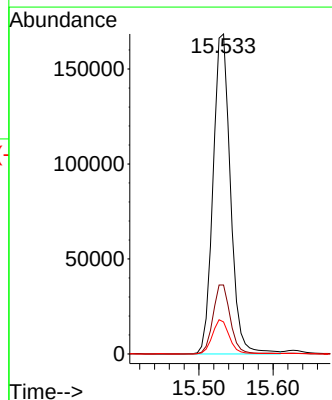
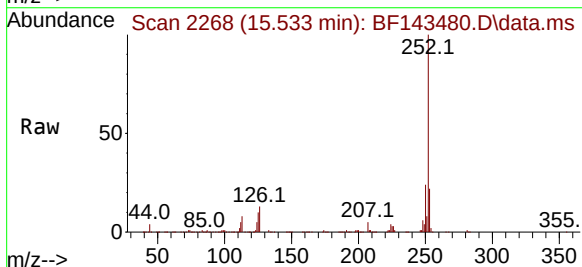
Tgt Ion:252 Resp: 274418

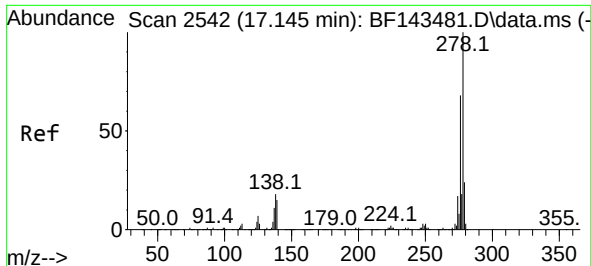
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 10.0 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 21.891 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

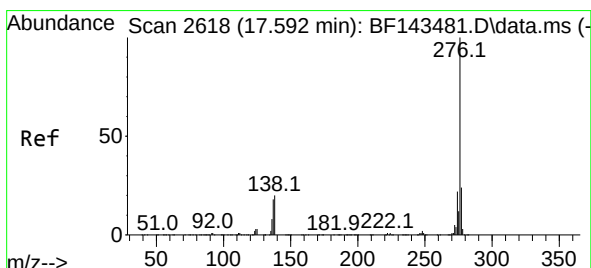
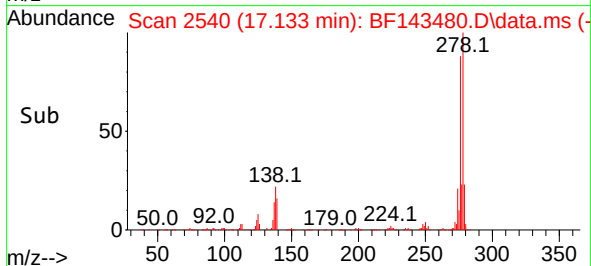
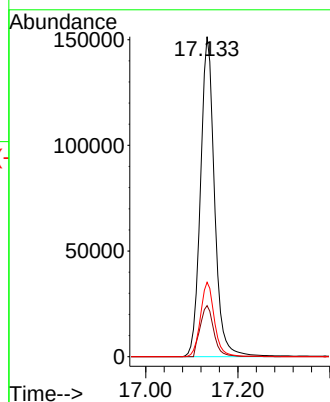
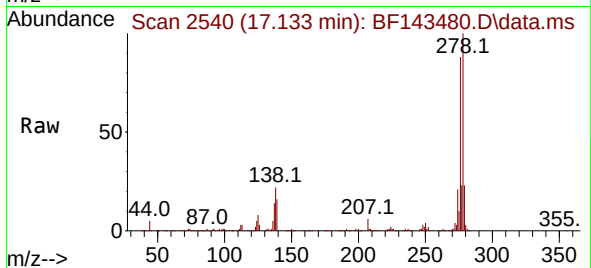
Tgt Ion:278 Resp: 321851

Ion Ratio Lower Upper

278 100

139 16.0 12.1 18.1

279 23.3 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 21.701 ng

RT: 17.580 min Scan# 2616

Delta R.T. -0.024 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

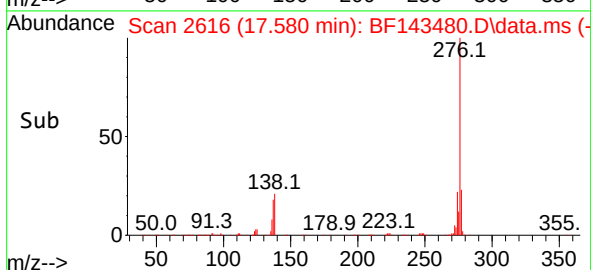
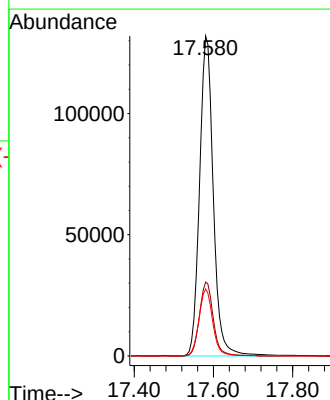
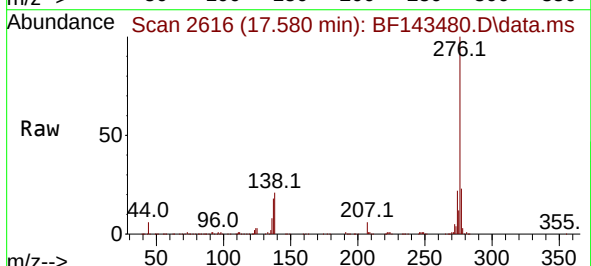
Tgt Ion:276 Resp: 317263

Ion Ratio Lower Upper

276 100

277 23.1 18.9 28.3

138 21.0 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143481.D
 Acq On : 20 Aug 2025 12:53
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 20 16:23:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137770	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	521928	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	282852	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	436106	20.000	ng	0.00
76) Chrysene-d12	14.098	240	249960	20.000	ng	0.00
86) Perylene-d12	15.598	264	288139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	627397	79.519	ng	0.00
7) Phenol-d6	6.563	99	775270	79.600	ng	-0.01
23) Nitrobenzene-d5	7.492	82	717900	80.266	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	212595	80.744	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1307900	76.419	ng	0.00
79) Terphenyl-d14	13.039	244	1129659	78.865	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	147614	40.387	ng	100
3) Pyridine	3.522	79	396205	40.700	ng	100
4) n-Nitrosodimethylamine	3.463	42	176726	40.383	ng	100
6) Aniline	6.592	93	520870	40.010	ng	100
8) 2-Chlorophenol	6.716	128	349331	40.086	ng	100
9) Benzaldehyde	6.481	77	330624	41.929	ng	100
10) Phenol	6.581	94	453508	40.419	ng	100
11) bis(2-Chloroethyl)ether	6.657	93	334229	39.862	ng	100
12) 1,3-Dichlorobenzene	6.869	146	389485	39.778	ng	100
13) 1,4-Dichlorobenzene	6.945	146	388762	39.581	ng	100
14) 1,2-Dichlorobenzene	7.098	146	371439	39.943	ng	100
15) Benzyl Alcohol	7.069	79	298360	40.916	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	538319	40.131	ng	100
17) 2-Methylphenol	7.187	107	278676	39.844	ng	100
18) Hexachloroethane	7.439	117	135258	40.503	ng	100
19) n-Nitroso-di-n-propyla...	7.339	70	232621	39.076	ng	100
20) 3+4-Methylphenols	7.334	107	335474	40.179	ng	100
22) Acetophenone	7.334	105	436693	38.728	ng	100
24) Nitrobenzene	7.510	77	371931	40.403	ng	100
25) Isophorone	7.745	82	648362	39.546	ng	100
26) 2-Nitrophenol	7.828	139	185255	41.084	ng	100
27) 2,4-Dimethylphenol	7.863	122	281983	40.116	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	402757	39.973	ng	100
29) 2,4-Dichlorophenol	8.075	162	301002	40.095	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	305107	39.529	ng	100
31) Naphthalene	8.234	128	984671	39.296	ng	100
32) Benzoic acid	7.981	122	151495	39.150	ng	100
33) 4-Chloroaniline	8.281	127	357854	40.237	ng	100
34) Hexachlorobutadiene	8.351	225	200199	39.756	ng	100
35) Caprolactam	8.651	113	73867	41.004	ng	100
36) 4-Chloro-3-methylphenol	8.763	107	300101	39.889	ng	100
37) 2-Methylnaphthalene	8.922	142	660885	39.489	ng	100
38) 1-Methylnaphthalene	9.022	142	629141	39.300	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	319789	39.526	ng	100
41) Hexachlorocyclopentadiene	9.081	237	112053	39.218	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	206042	41.387	ng	100

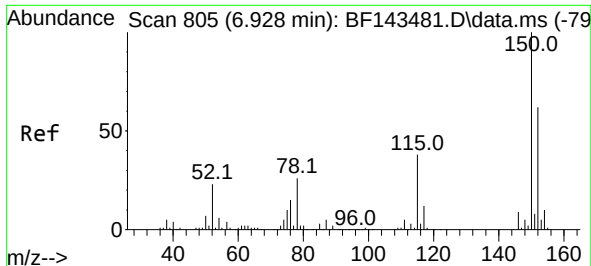
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143481.D
 Acq On : 20 Aug 2025 12:53
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 20 16:23:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	216152	39.748	ng	100
46) 1,1'-Biphenyl	9.386	154	791238	39.412	ng	100
47) 2-Chloronaphthalene	9.416	162	625355	39.699	ng	100
48) 2-Nitroaniline	9.504	65	190564	41.336	ng	100
49) Acenaphthylene	9.828	152	893624	39.620	ng	100
50) Dimethylphthalate	9.681	163	679389	39.881	ng	100
51) 2,6-Dinitrotoluene	9.745	165	146703	41.551	ng	100
52) Acenaphthene	9.998	154	608648	39.745	ng	100
53) 3-Nitroaniline	9.916	138	157042	41.163	ng	100
54) 2,4-Dinitrophenol	10.028	184	67793	38.822	ng	100
55) Dibenzofuran	10.175	168	861659	39.465	ng	100
56) 4-Nitrophenol	10.086	139	96926	42.699	ng	100
57) 2,4-Dinitrotoluene	10.151	165	198600	42.127	ng	100
58) Fluorene	10.516	166	654929	38.975	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	167834	41.542	ng	100
60) Diethylphthalate	10.380	149	613485	40.167	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	330692	39.350	ng	100
62) 4-Nitroaniline	10.528	138	145120	41.412	ng	100
63) Azobenzene	10.663	77	634664	40.076	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	103558	42.115	ng	100
66) n-Nitrosodiphenylamine	10.622	169	558998	39.830	ng	100
67) 4-Bromophenyl-phenylether	10.998	248	210081	40.374	ng	100
68) Hexachlorobenzene	11.069	284	224294	39.989	ng	100
69) Atrazine	11.145	200	146499	40.437	ng	100
70) Pentachlorophenol	11.263	266	108200	42.121	ng	100
71) Phenanthrene	11.480	178	906136	38.800	ng	100
72) Anthracene	11.533	178	936575	39.587	ng	100
73) Carbazole	11.686	167	769702	39.704	ng	100
74) Di-n-butylphthalate	12.010	149	741021	40.975	ng	100
75) Fluoranthene	12.669	202	825200	39.378	ng	100
77) Benzidine	12.786	184	258175	42.403	ng	100
78) Pyrene	12.898	202	817477	39.759	ng	100
80) Butylbenzylphthalate	13.510	149	233397	41.552	ng	100
81) Benzo(a)anthracene	14.086	228	658804	40.938	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	186301	40.425	ng	100
83) Chrysene	14.127	228	556527	38.482	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	354779	41.471	ng	100
85) Di-n-octyl phthalate	14.680	149	649137	40.959	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	835150	40.334	ng	100
88) Benzo(b)fluoranthene	15.157	252	618677	38.627	ng	100
89) Benzo(k)fluoranthene	15.186	252	623043	40.628	ng	100
90) Benzo(a)pyrene	15.533	252	594623	39.996	ng	100
91) Dibenzo(a,h)anthracene	17.145	278	669452	40.370	ng	100
92) Benzo(g,h,i)perylene	17.592	276	666442	40.417	ng	100

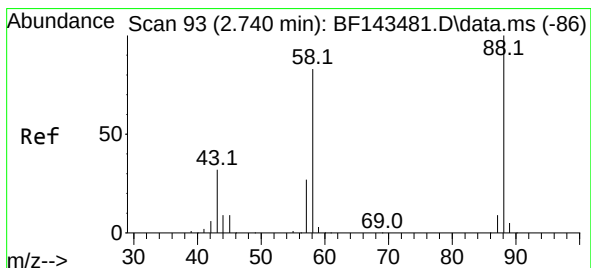
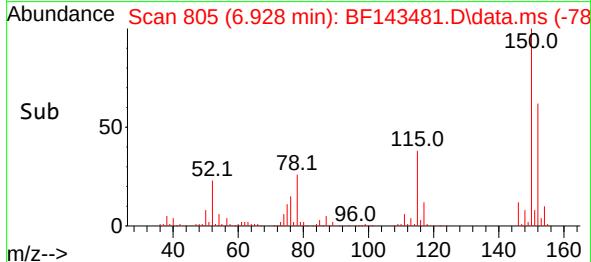
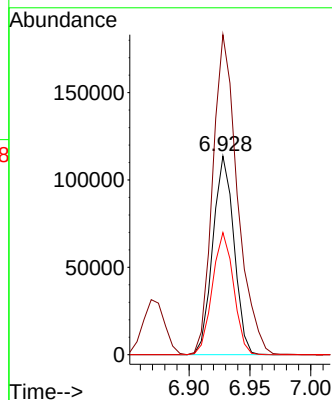
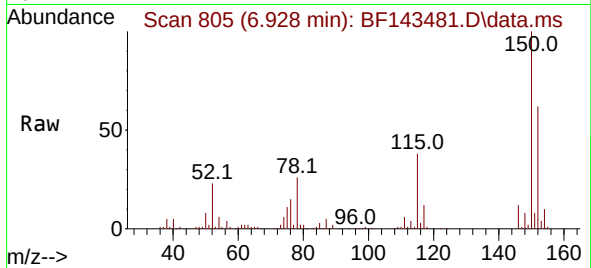
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143481.D
 Acq: 20 Aug 2025 12:53

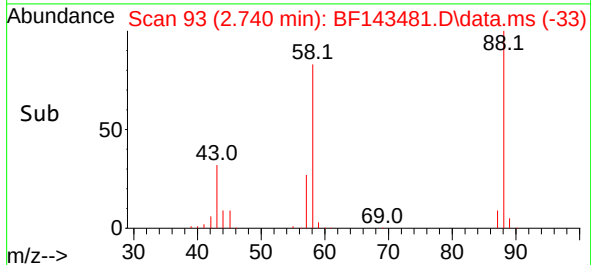
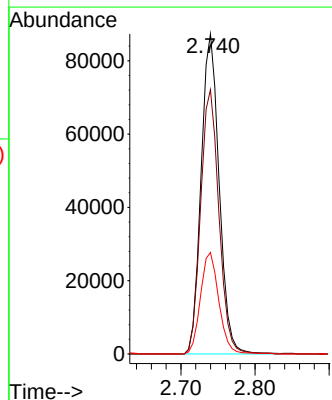
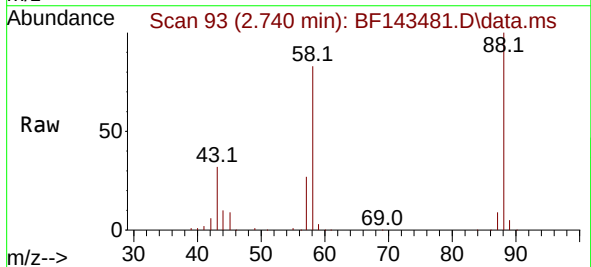
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

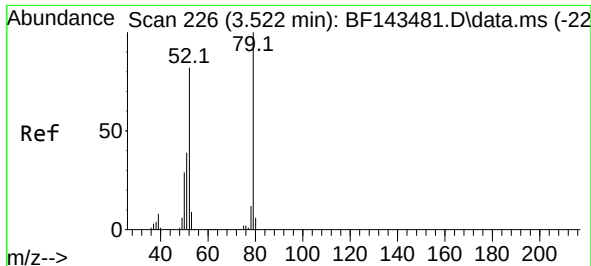
Tgt Ion:152 Resp: 137770
 Ion Ratio Lower Upper
 152 100
 150 161.1 128.9 193.3
 115 61.5 49.2 73.8



#2
 1,4-Dioxane
 Concen: 40.387 ng
 RT: 2.740 min Scan# 93
 Delta R.T. 0.006 min
 Lab File: BF143481.D
 Acq: 20 Aug 2025 12:53

Tgt Ion: 88 Resp: 147614
 Ion Ratio Lower Upper
 88 100
 58 83.4 66.7 100.1
 43 32.3 25.8 38.8





#3

Pyridine

Concen: 40.700 ng

RT: 3.522 min Scan# 216

Delta R.T. 0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

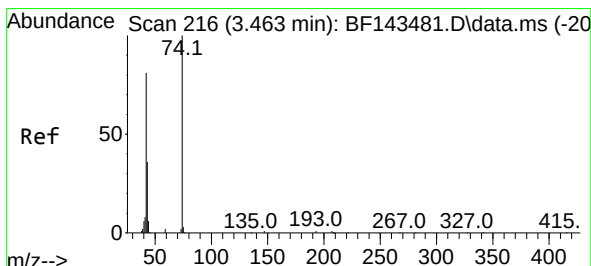
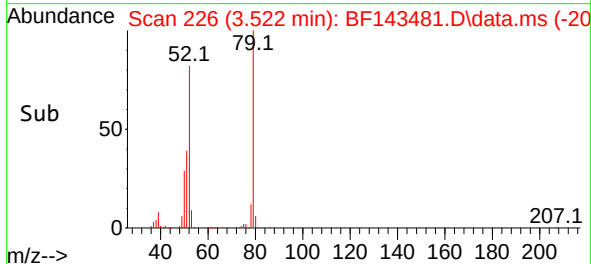
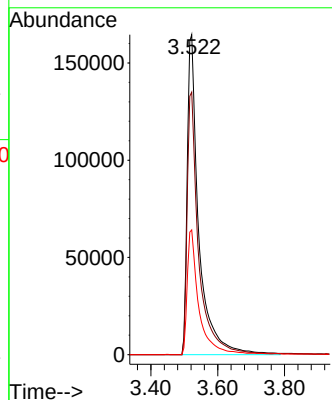
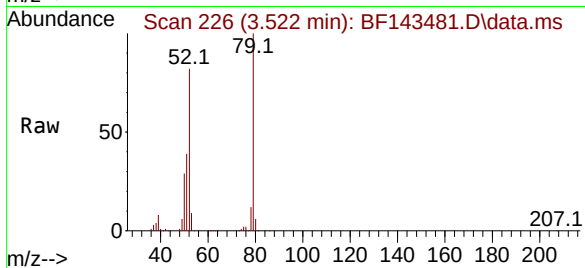
Tgt Ion: 79 Resp: 396205

Ion Ratio Lower Upper

79 100

52 82.0 65.6 98.4

51 39.0 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 40.383 ng

RT: 3.463 min Scan# 216

Delta R.T. -0.012 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

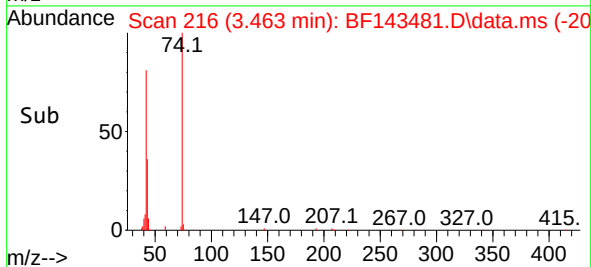
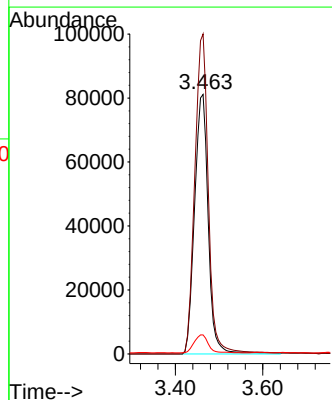
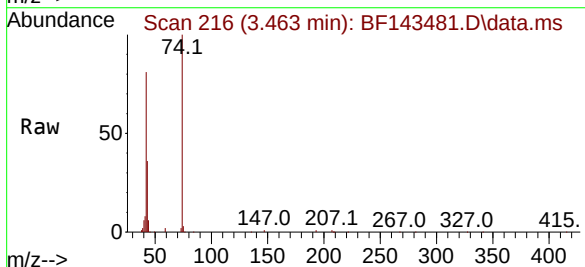
Tgt Ion: 42 Resp: 176726

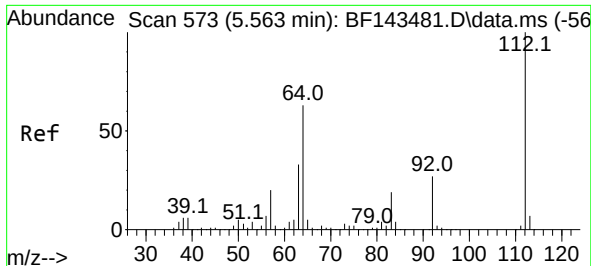
Ion Ratio Lower Upper

42 100

74 123.3 98.6 148.0

44 7.3 5.8 8.8

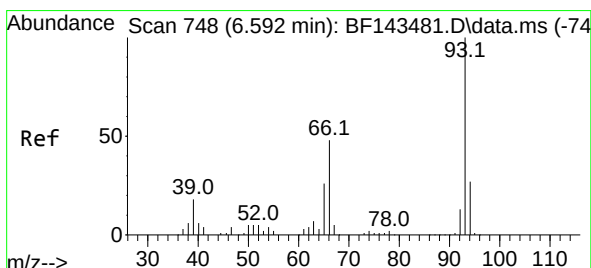
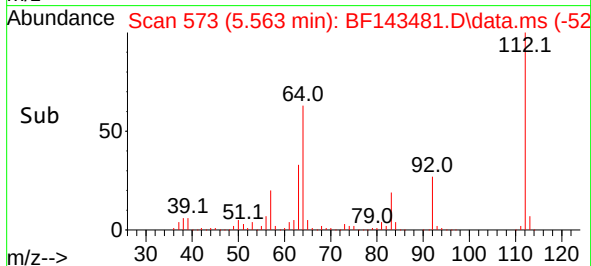
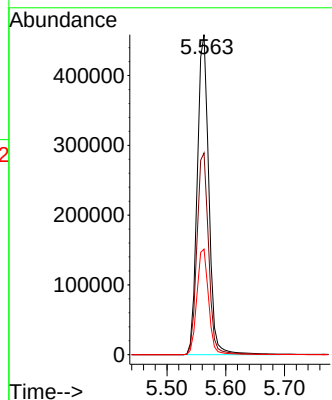
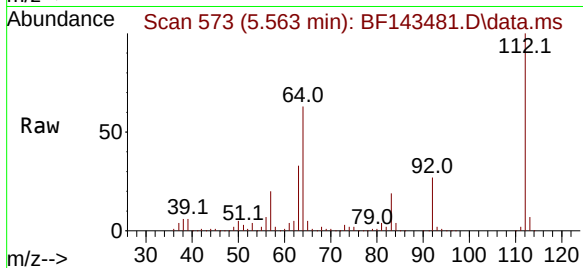




#5
2-Fluorophenol
Concen: 79.519 ng
RT: 5.563 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

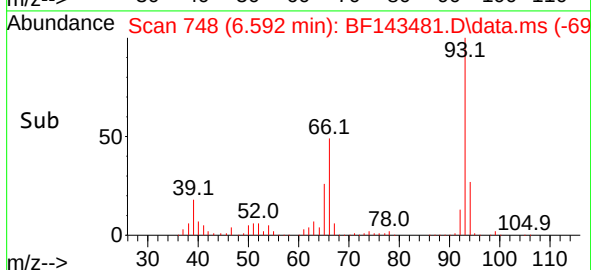
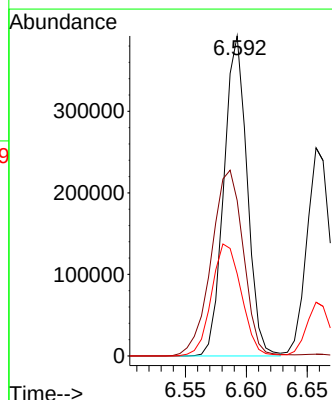
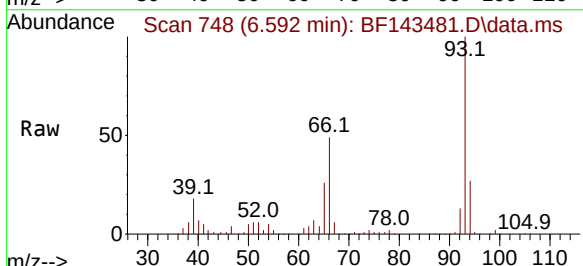
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

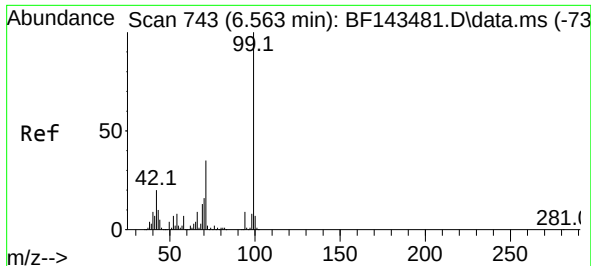
Tgt Ion:112 Resp: 627397
Ion Ratio Lower Upper
112 100
64 63.0 50.4 75.6
63 33.0 26.4 39.6



#6
Aniline
Concen: 40.010 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 93 Resp: 520870
Ion Ratio Lower Upper
93 100
66 48.6 38.9 58.3
65 25.7 20.6 30.8

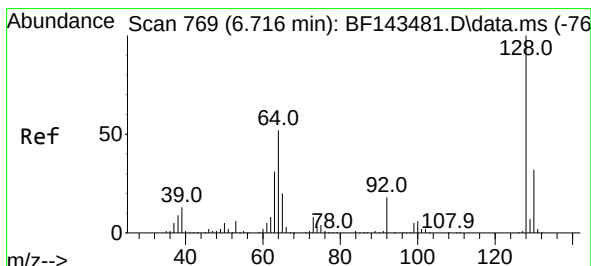
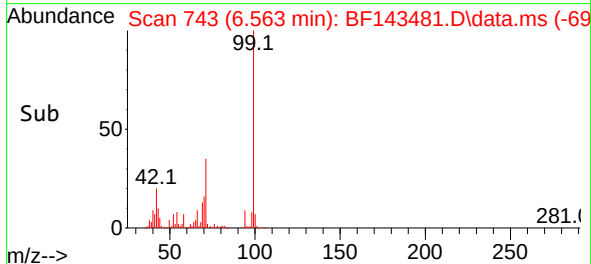
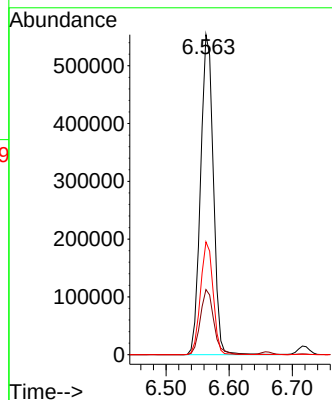
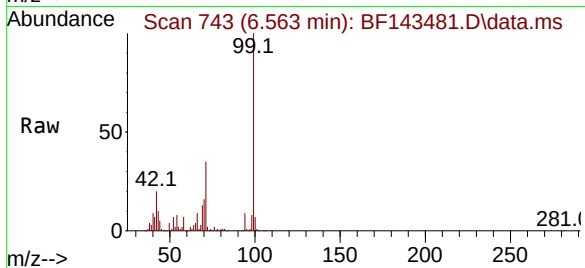




#7
Phenol-d6
Concen: 79.600 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

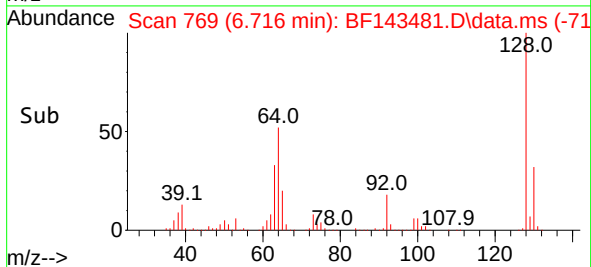
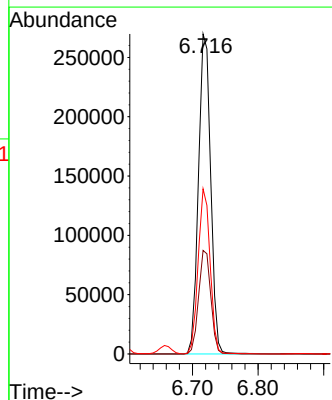
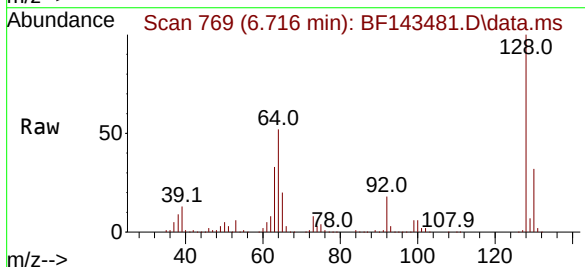
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

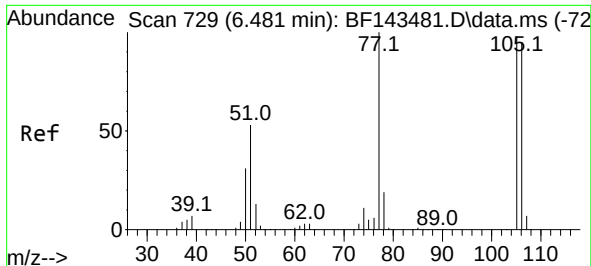
Tgt Ion: 99 Resp: 775270
Ion Ratio Lower Upper
99 100
42 20.4 16.3 24.5
71 35.2 28.2 42.2



#8
2-Chlorophenol
Concen: 40.086 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 128 Resp: 349331
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 51.6 31.6 71.6

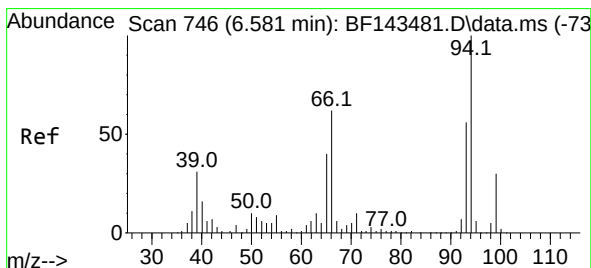
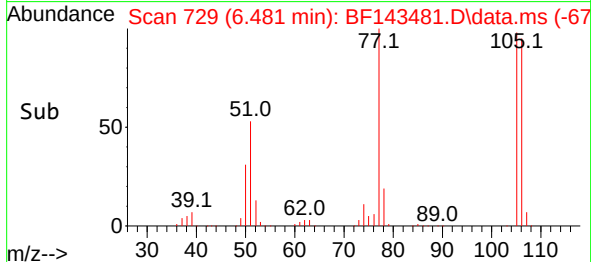
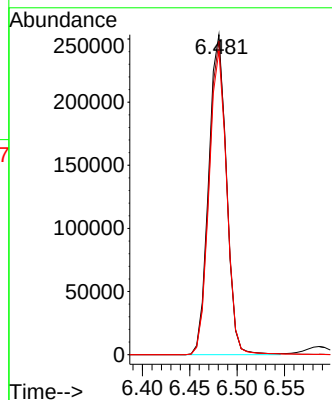
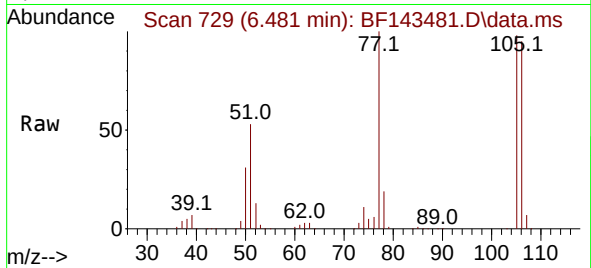




#9
Benzaldehyde
Concen: 41.929 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

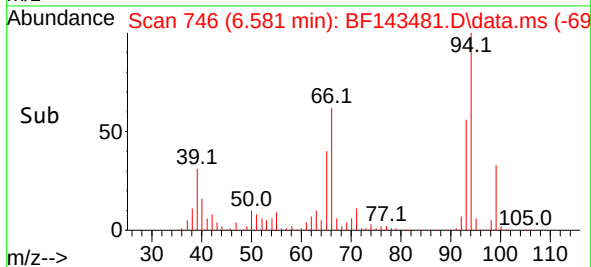
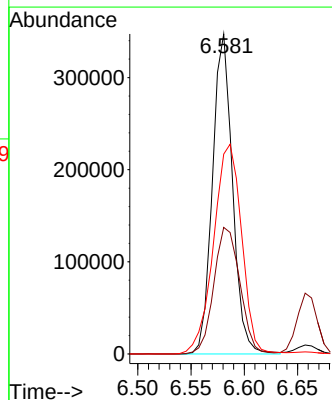
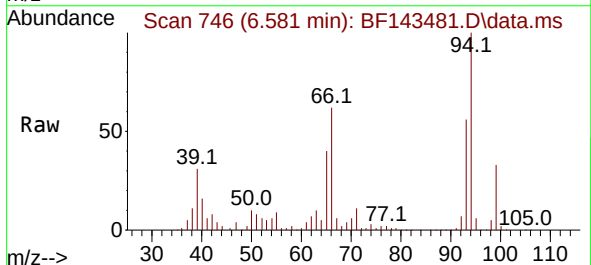
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

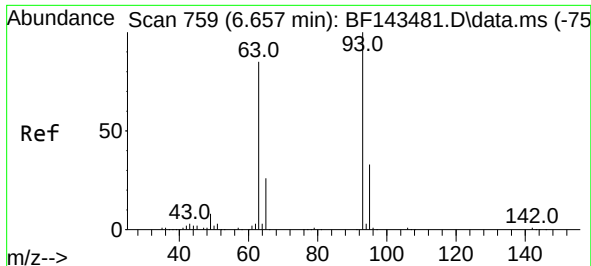
Tgt Ion: 77 Resp: 330624
Ion Ratio Lower Upper
77 100
105 98.1 78.1 118.1
106 94.9 74.9 114.9



#10
Phenol
Concen: 40.419 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 94 Resp: 453508
Ion Ratio Lower Upper
94 100
65 39.5 19.5 59.5
66 62.5 42.5 82.5

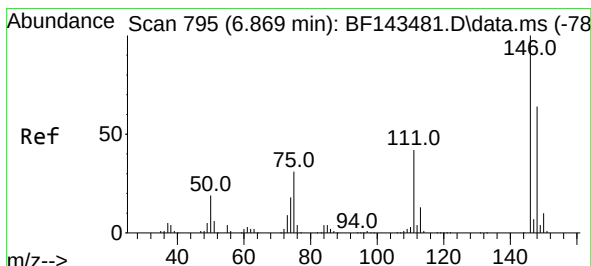
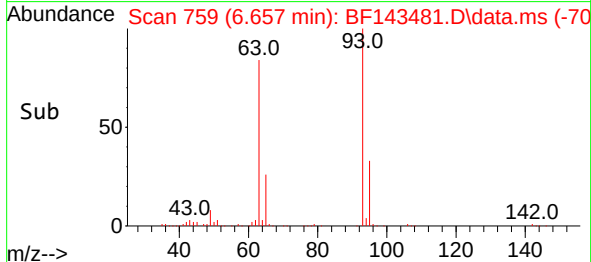
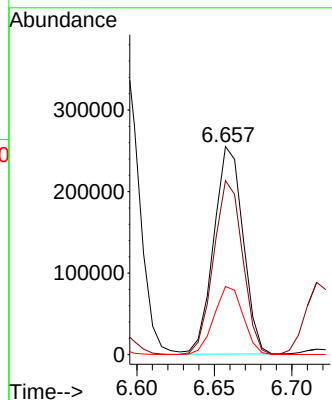
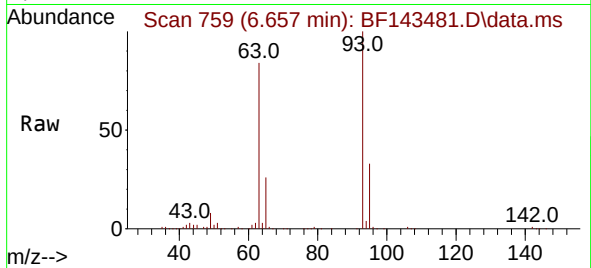




#11
bis(2-Chloroethyl)ether
Concen: 39.862 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

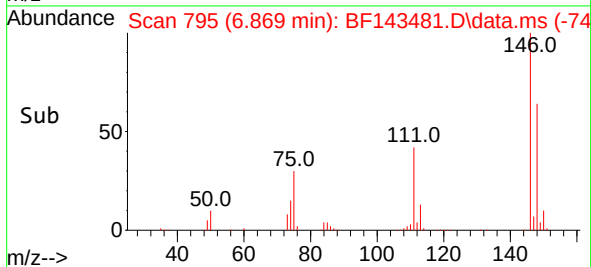
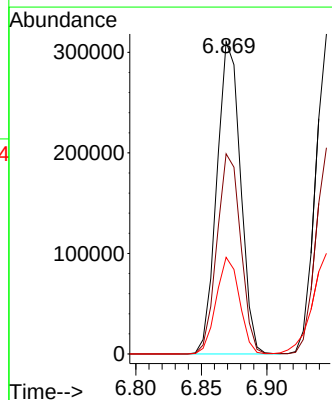
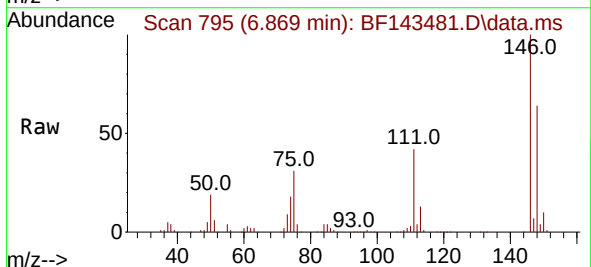
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

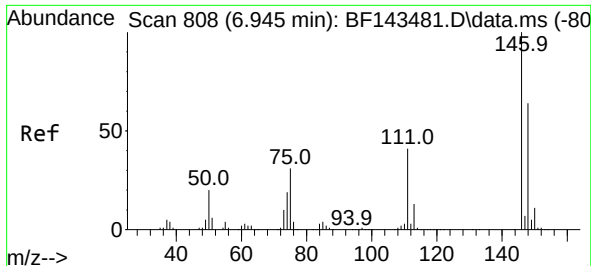
Tgt Ion: 93 Resp: 334229
Ion Ratio Lower Upper
93 100
63 83.6 63.6 103.6
95 32.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 39.778 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 146 Resp: 389485
Ion Ratio Lower Upper
146 100
148 64.1 51.3 76.9
75 30.9 24.7 37.1

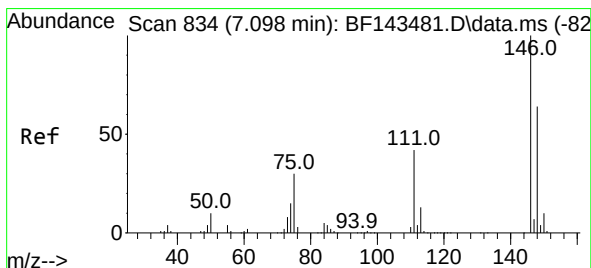
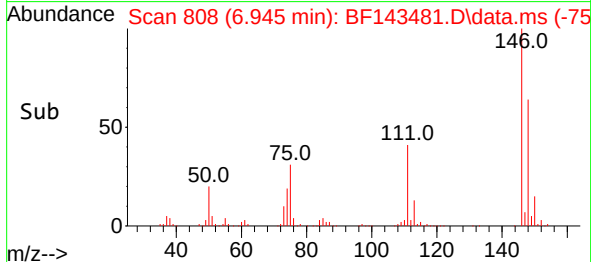
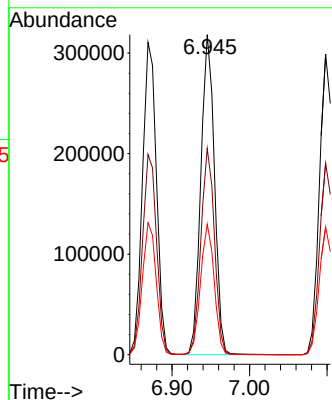
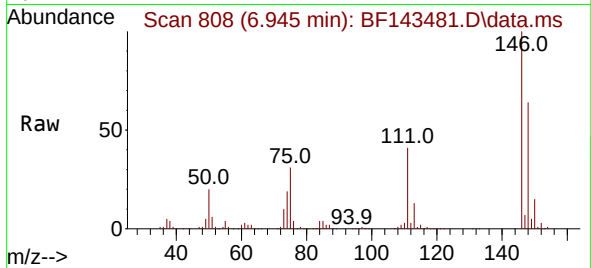




#13
1,4-Dichlorobenzene
Concen: 39.581 ng
RT: 6.945 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

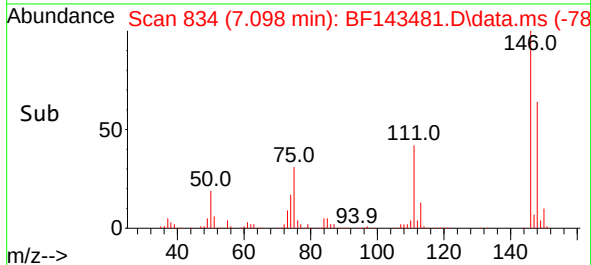
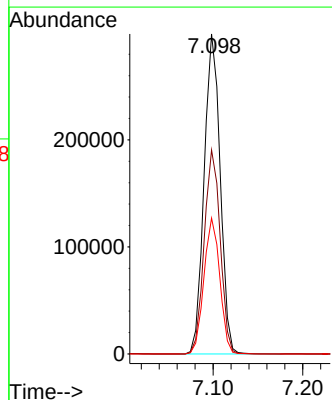
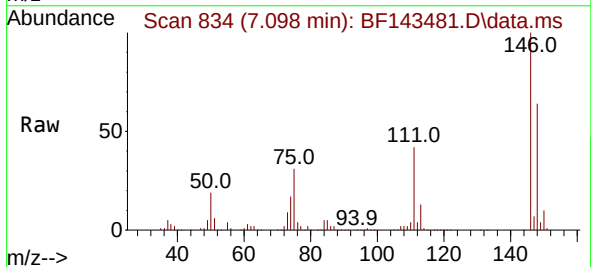
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

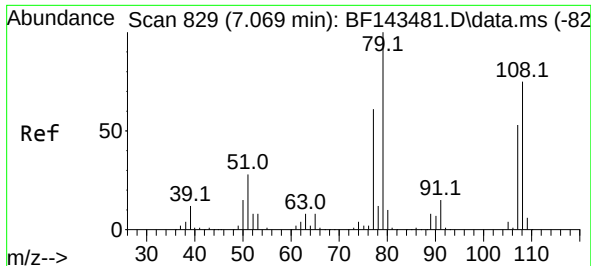
Tgt Ion:146 Resp: 388762
Ion Ratio Lower Upper
146 100
148 64.4 51.5 77.3
111 40.8 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 39.943 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:146 Resp: 371439
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.6
111 42.5 34.0 51.0

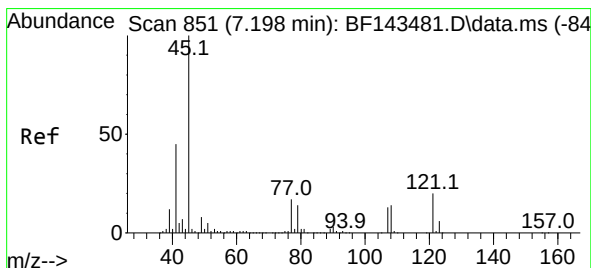
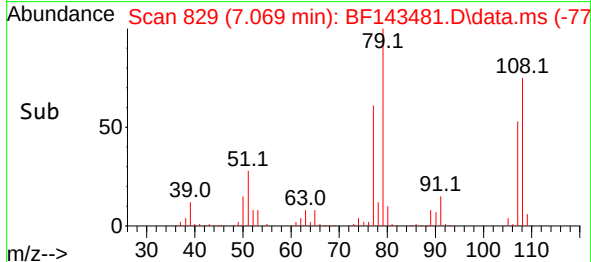
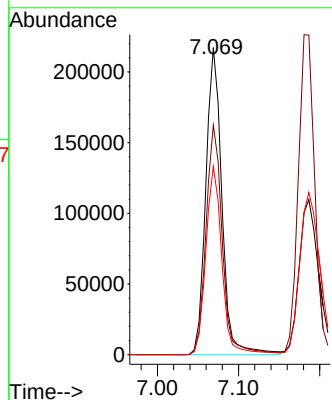
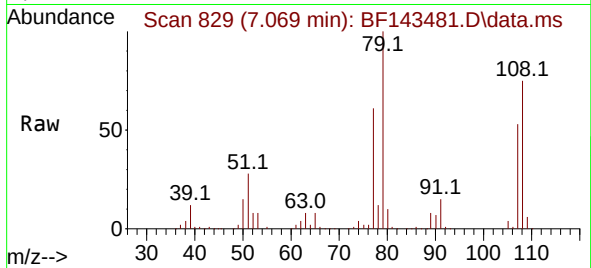




#15
Benzyl Alcohol
Concen: 40.916 ng
RT: 7.069 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

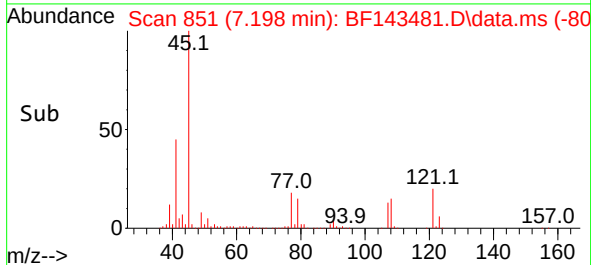
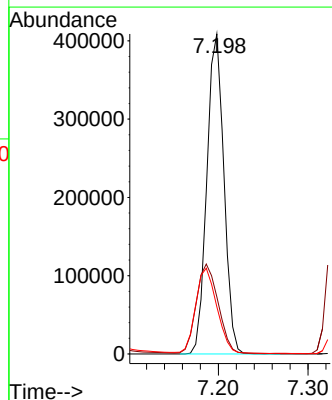
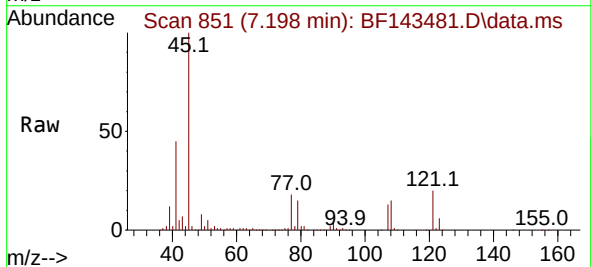
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

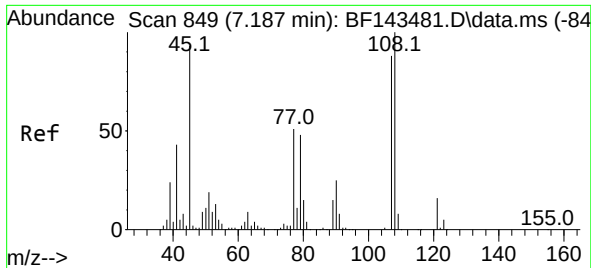
Tgt Ion: 79 Resp: 298360
Ion Ratio Lower Upper
79 100
108 74.7 59.8 89.6
77 61.2 49.0 73.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.131 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 45 Resp: 538319
Ion Ratio Lower Upper
45 100
77 17.9 0.0 37.9
79 14.7 0.0 34.7

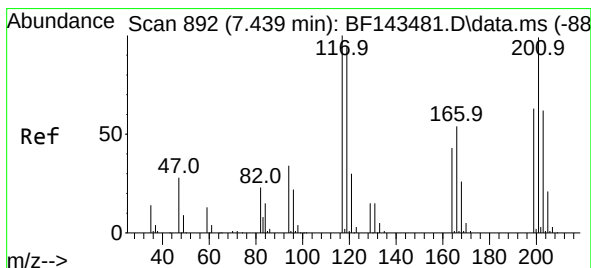
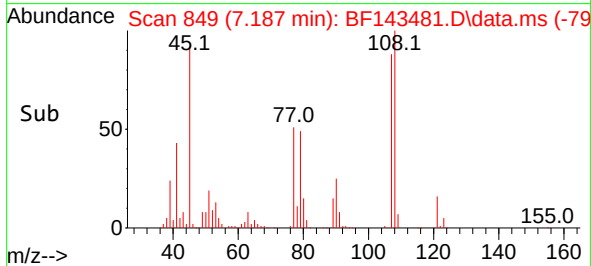
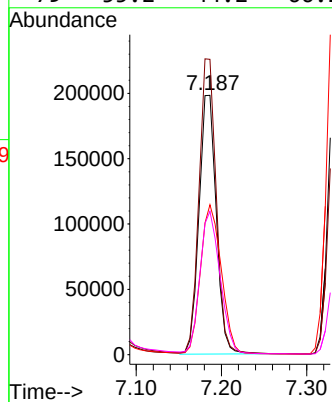
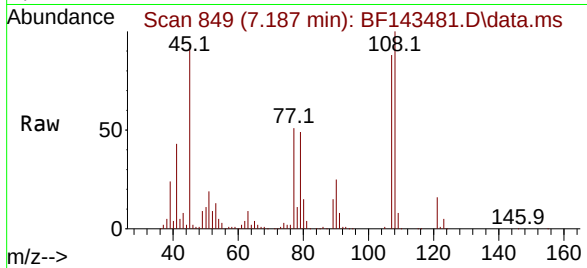




#17
2-Methylphenol
Concen: 39.844 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

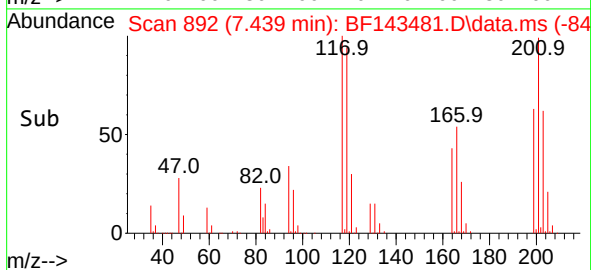
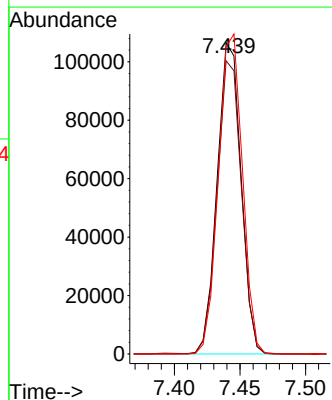
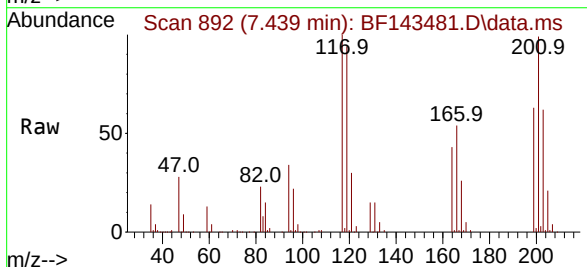
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

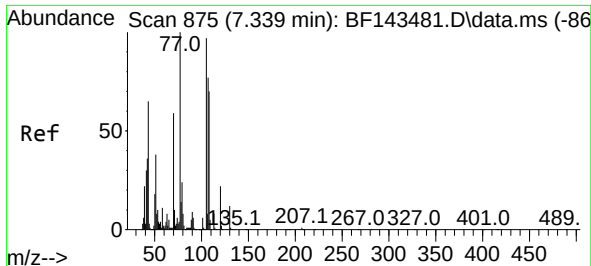
Tgt Ion:	107	Resp:	278676
Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	57.8	46.2	69.4
79	55.2	44.2	66.2



#18
Hexachloroethane
Concen: 40.503 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:	117	Resp:	135258
Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
201	98.7	79.0	118.4



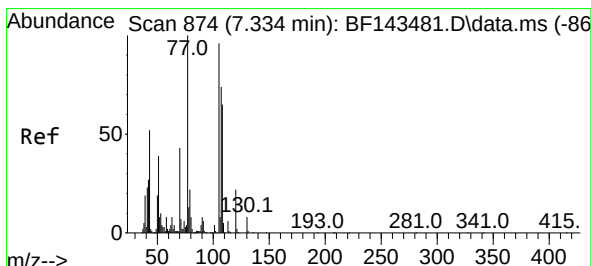
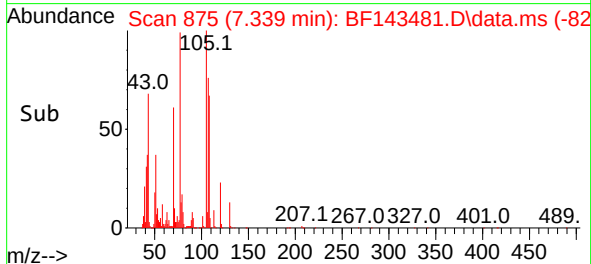
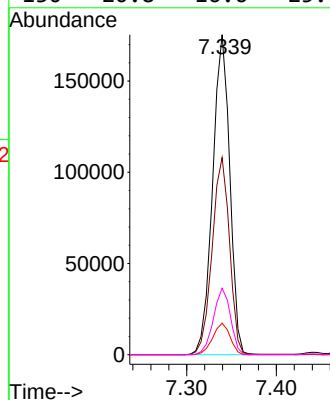
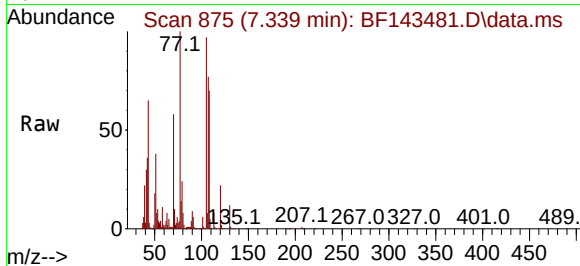


#19
n-Nitroso-di-n-propylamine
Concen: 39.076 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 232621

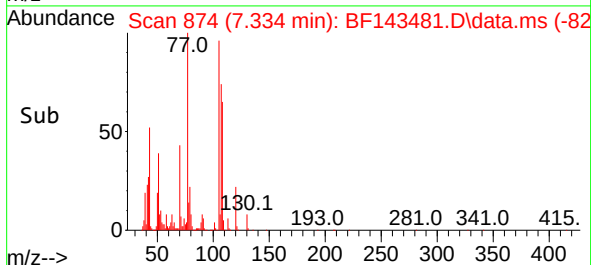
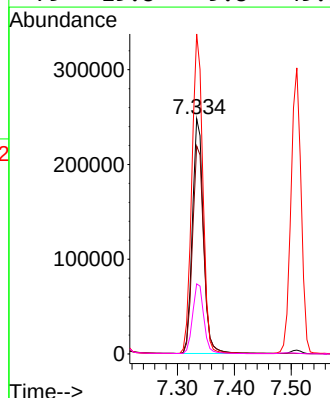
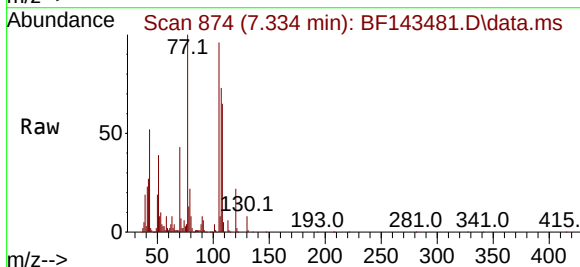
Ion	Ratio	Lower	Upper
70	100		
42	61.6	49.3	73.9
101	9.8	7.8	11.8
130	20.8	16.6	25.0

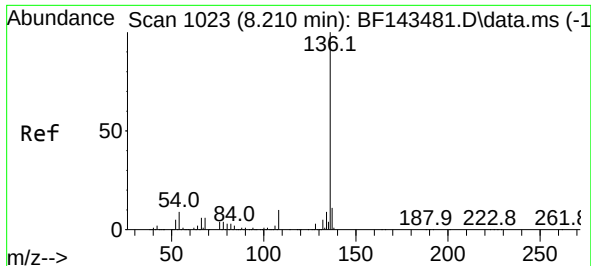


#20
3+4-Methylphenols
Concen: 40.179 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 107 Resp: 335474

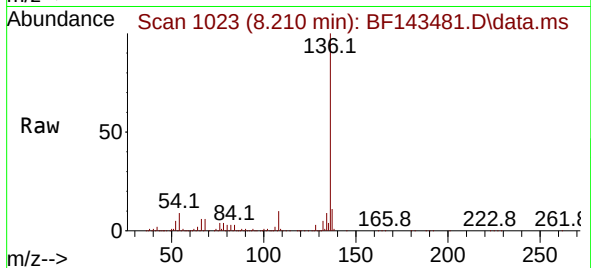
Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.4	108.4
77	136.1	116.1	156.1
79	29.8	9.8	49.8



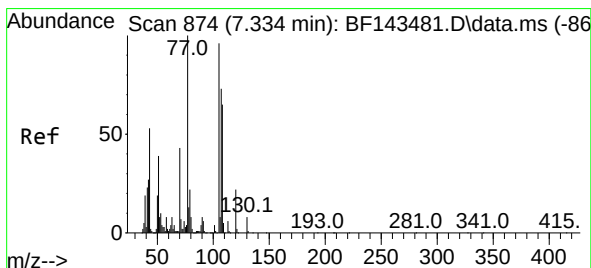
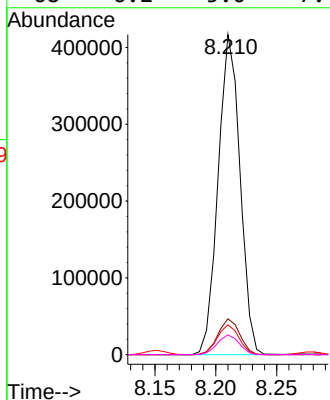
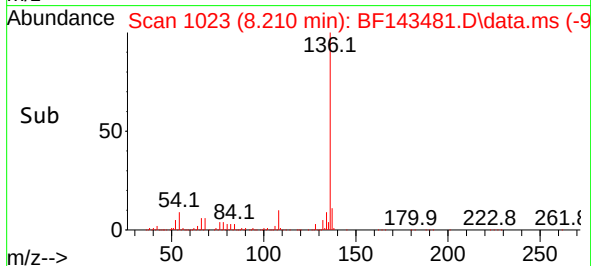


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

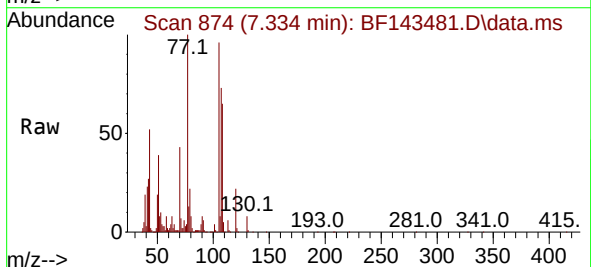
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



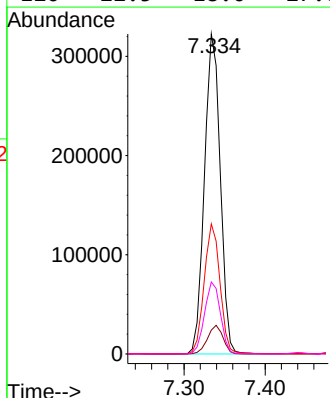
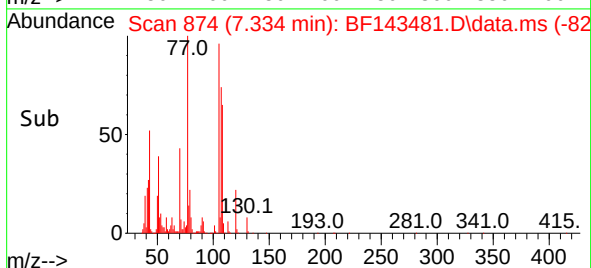
Tgt Ion:	136	Resp:	521928
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	9.3	7.4	11.2
68	6.2	5.0	7.4

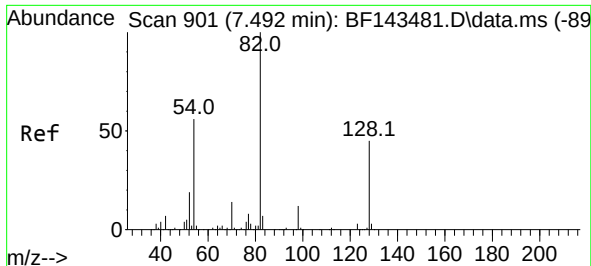


#22
Acetophenone
Concen: 38.728 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53



Tgt Ion:	105	Resp:	436693
Ion Ratio	Lower	Upper	
105	100		
71	7.4	5.9	8.9
51	40.6	32.5	48.7
120	22.5	18.0	27.0





#23

Nitrobenzene-d5

Concen: 80.266 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

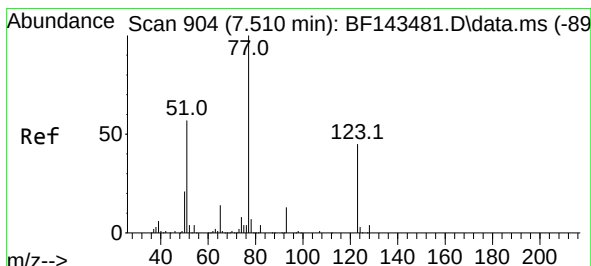
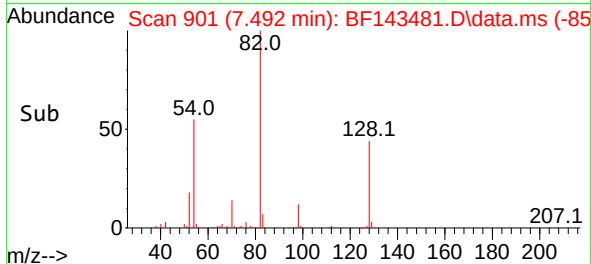
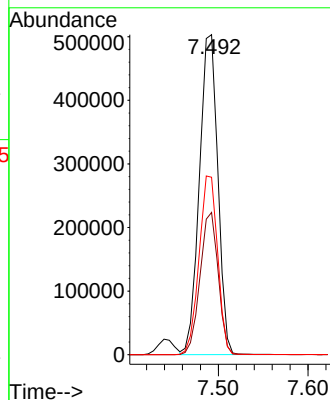
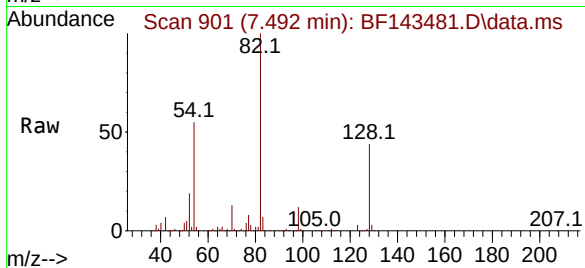
Tgt Ion: 82 Resp: 717900

Ion Ratio Lower Upper

82 100

128 44.4 35.5 53.3

54 55.4 44.3 66.5



#24

Nitrobenzene

Concen: 40.403 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

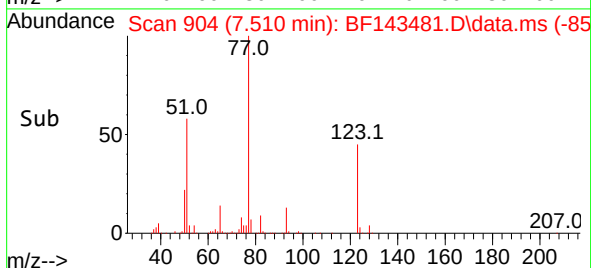
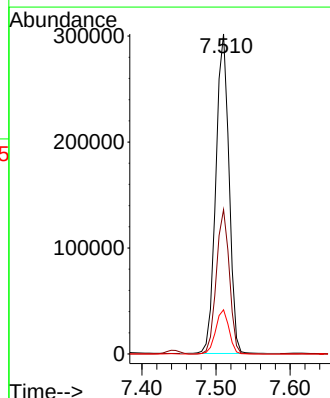
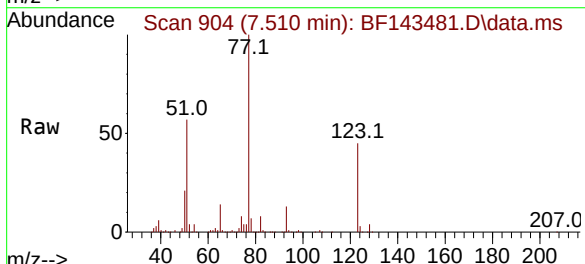
Tgt Ion: 77 Resp: 371931

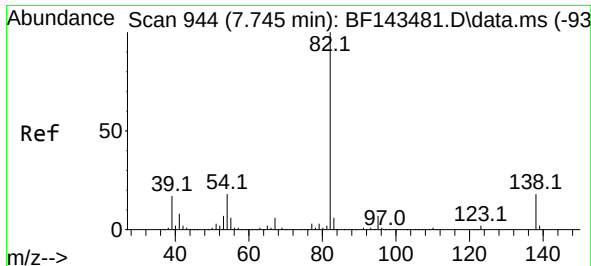
Ion Ratio Lower Upper

77 100

123 45.1 36.1 54.1

65 13.8 11.0 16.6

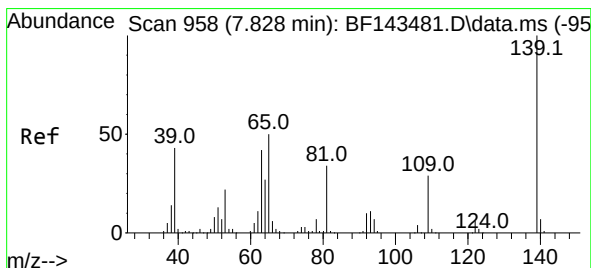
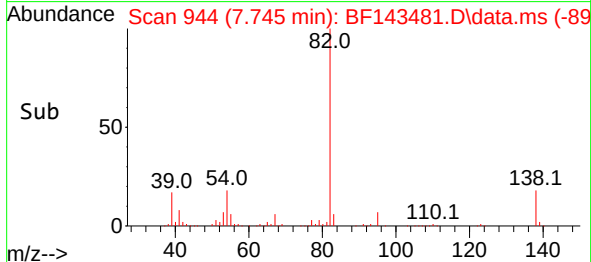
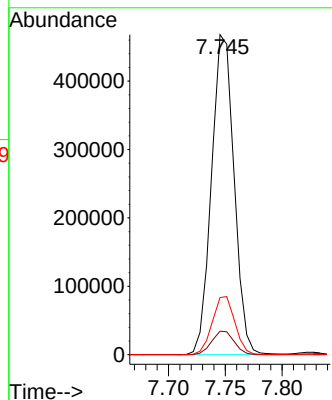
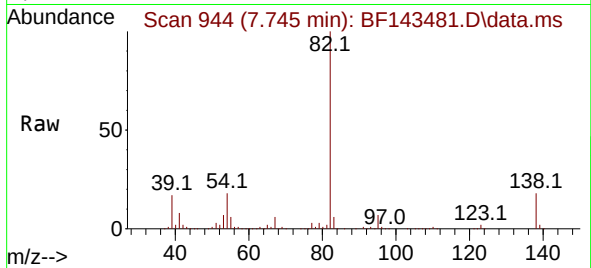




#25
Isophorone
Concen: 39.546 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

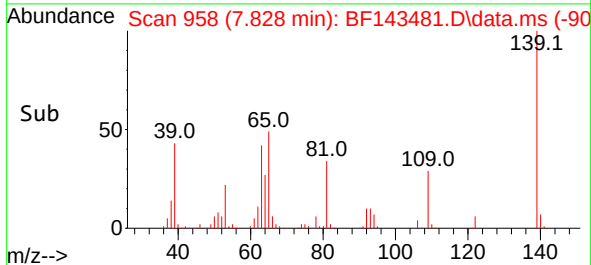
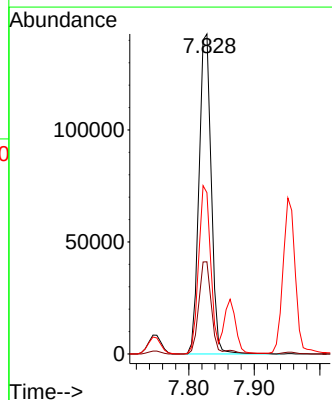
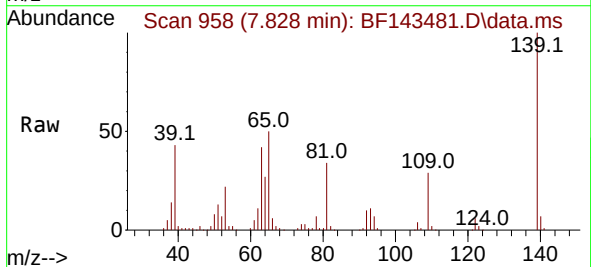
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

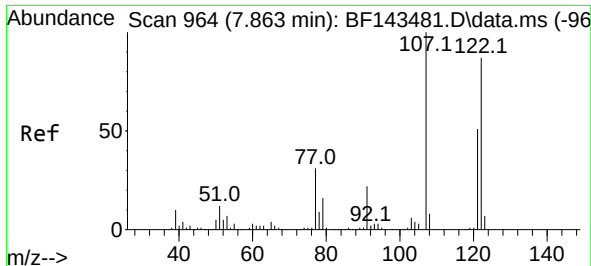
Tgt Ion: 82 Resp: 648362
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 17.8 14.2 21.4



#26
2-Nitrophenol
Concen: 41.084 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:139 Resp: 185255
Ion Ratio Lower Upper
139 100
109 28.8 23.0 34.6
65 50.4 40.3 60.5

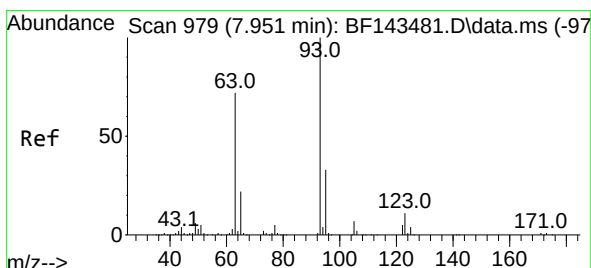
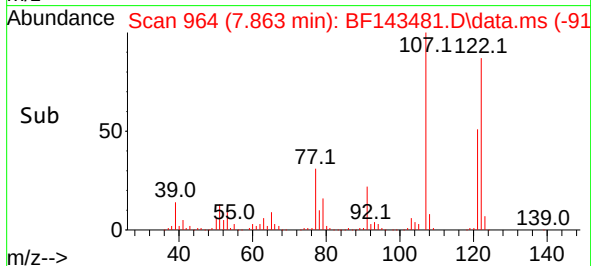
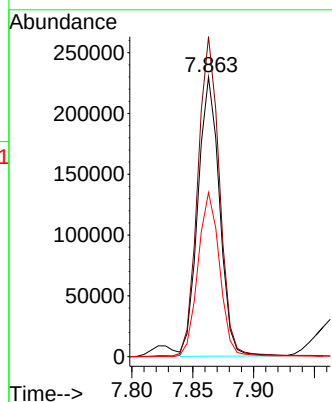
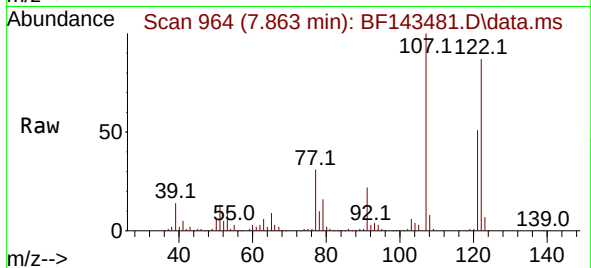




#27
2,4-Dimethylphenol
Concen: 40.116 ng
RT: 7.863 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

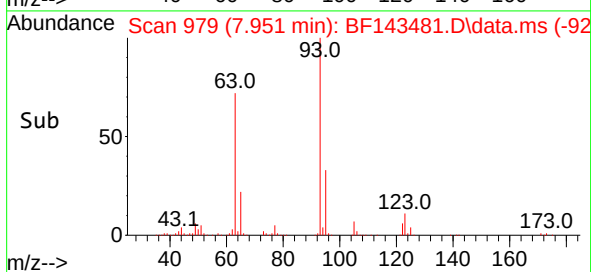
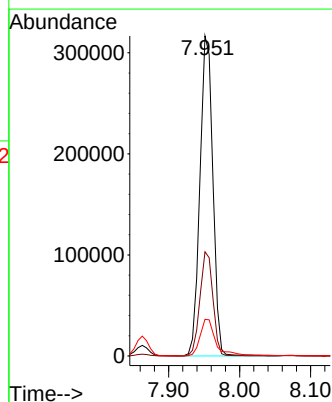
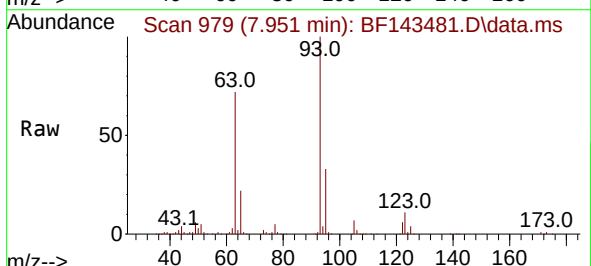
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

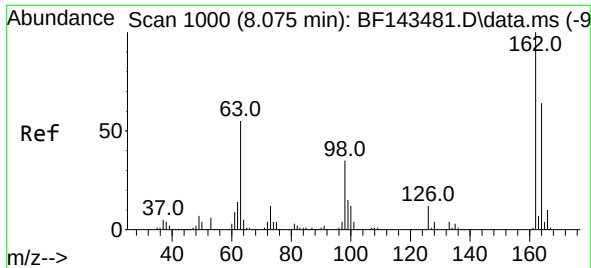
Tgt Ion:122 Resp: 281983
Ion Ratio Lower Upper
122 100
107 114.4 91.5 137.3
121 58.7 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 39.973 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 93 Resp: 402757
Ion Ratio Lower Upper
93 100
95 32.5 26.0 39.0
123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.095 ng

RT: 8.075 min Scan# 1000

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

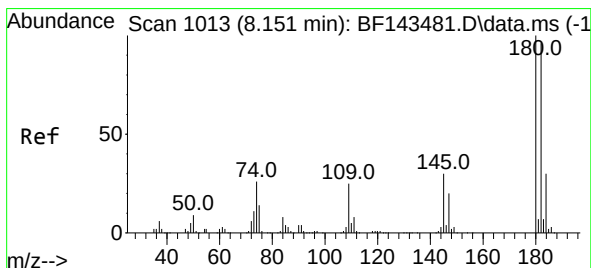
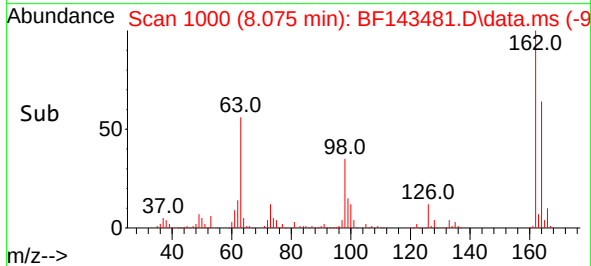
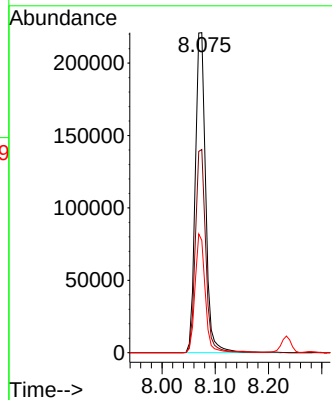
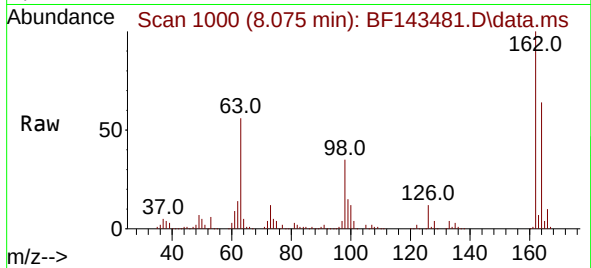
Tgt Ion:162 Resp: 301002

Ion Ratio Lower Upper

162 100

164 63.5 43.5 83.5

98 35.1 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 39.529 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

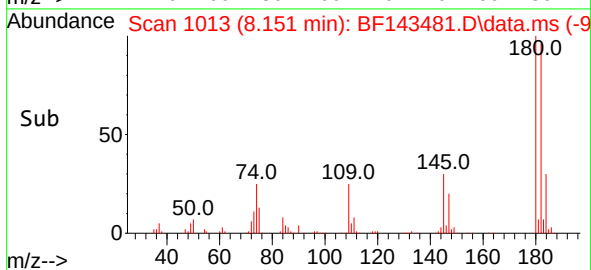
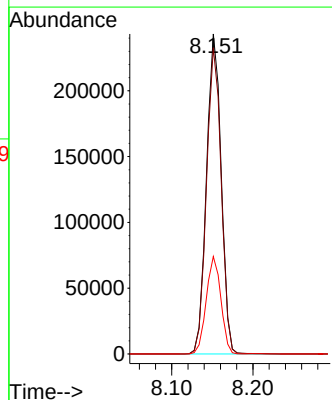
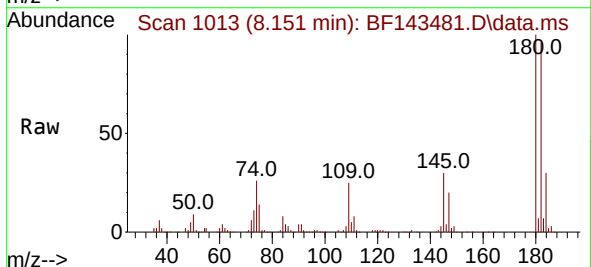
Tgt Ion:180 Resp: 305107

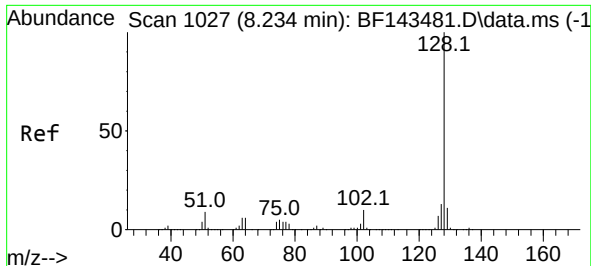
Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 30.4 24.3 36.5

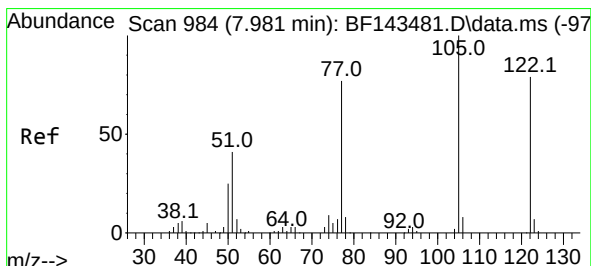
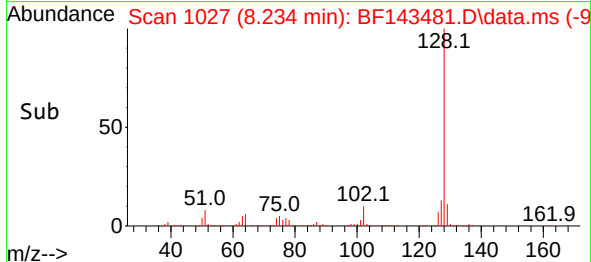
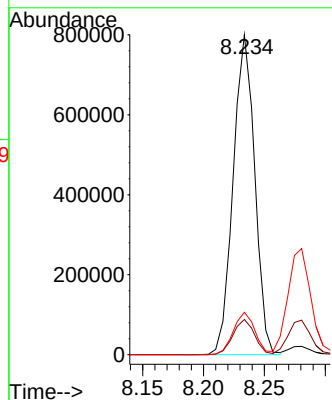
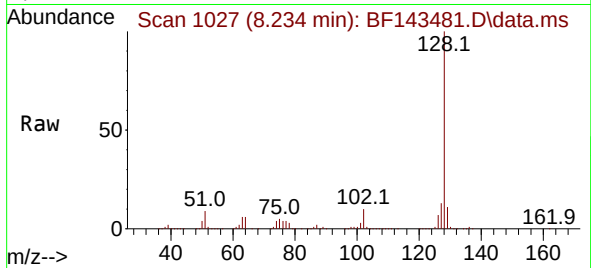




#31
Naphthalene
Concen: 39.296 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

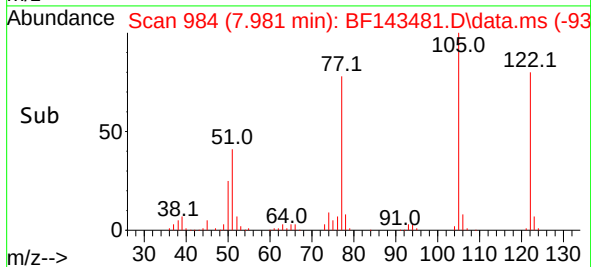
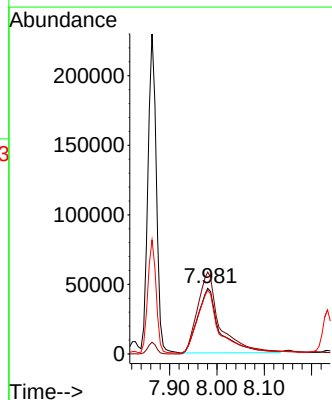
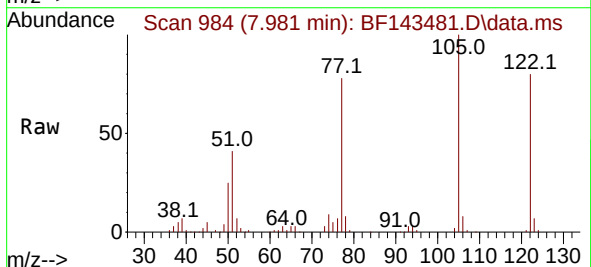
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

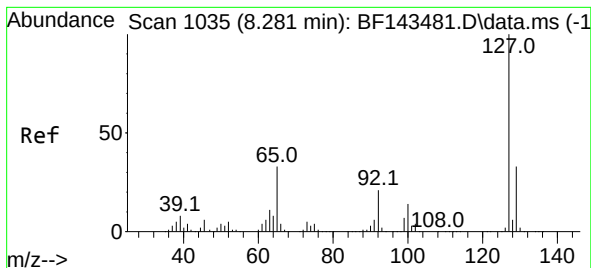
Tgt Ion:128 Resp: 984671
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 39.150 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.029 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:122 Resp: 151495
Ion Ratio Lower Upper
122 100
105 124.7 104.7 144.7
77 97.3 77.3 117.3

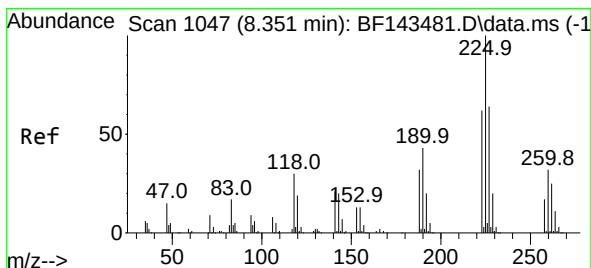
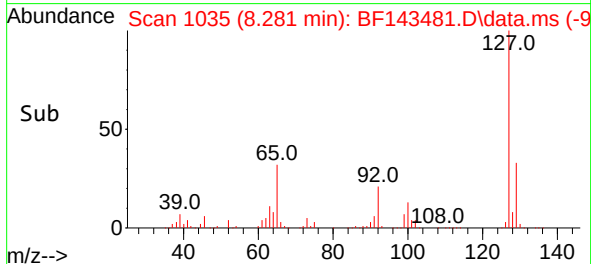
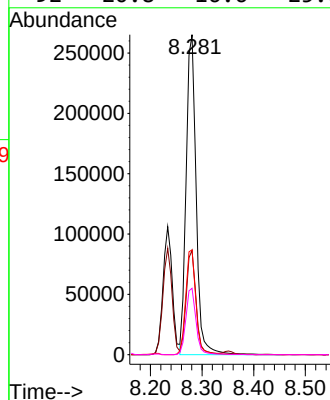
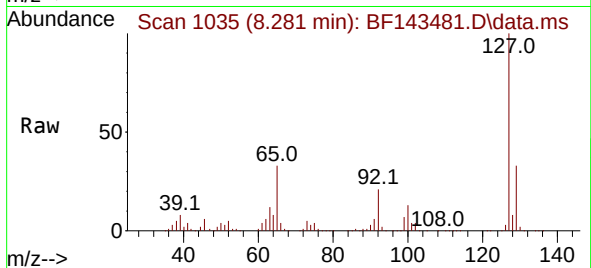




#33
4-Chloroaniline
Concen: 40.237 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

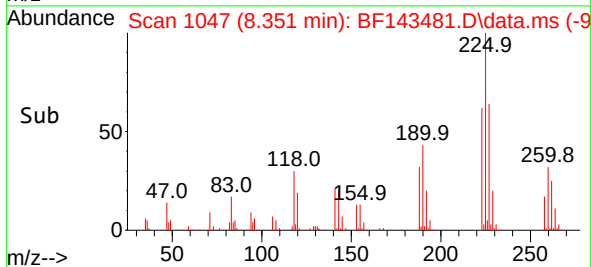
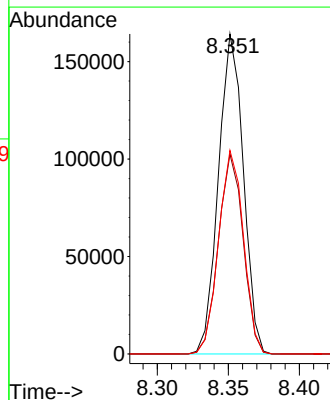
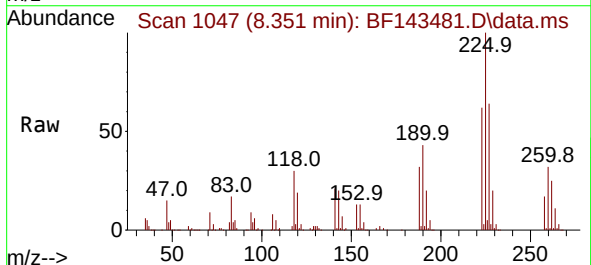
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

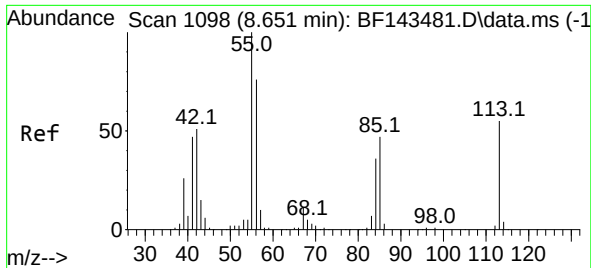
Tgt Ion:	127	Resp:	357854
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	32.7	26.2	39.2
92	20.8	16.6	25.0



#34
Hexachlorobutadiene
Concen: 39.756 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:	225	Resp:	200199
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.9	74.9
227	63.6	50.9	76.3

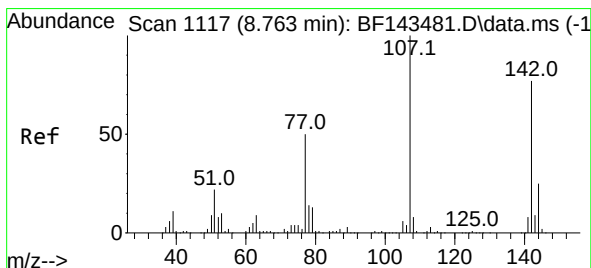
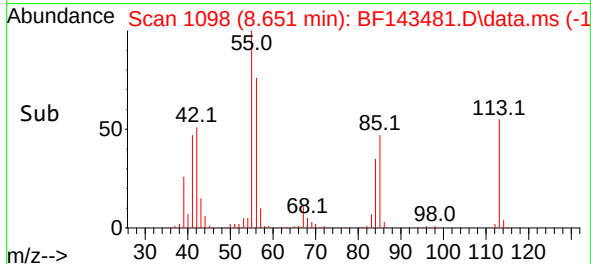
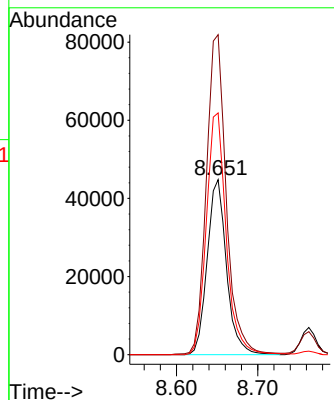
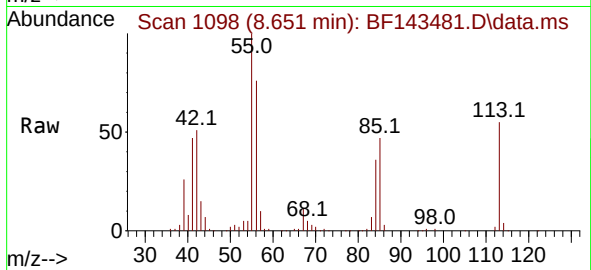




#35
Caprolactam
Concen: 41.004 ng
RT: 8.651 min Scan# 1098
Delta R.T. -0.024 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

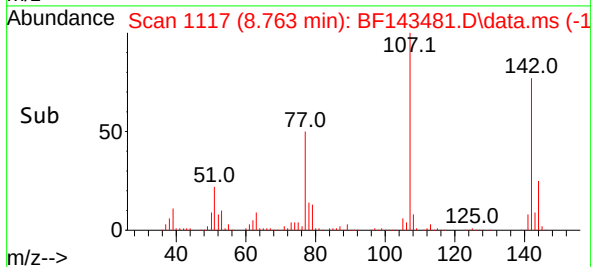
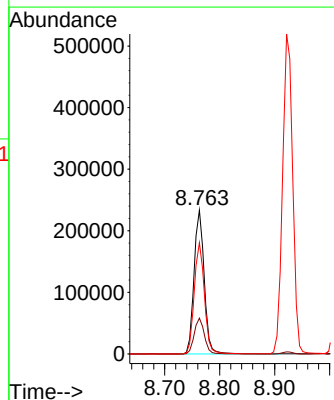
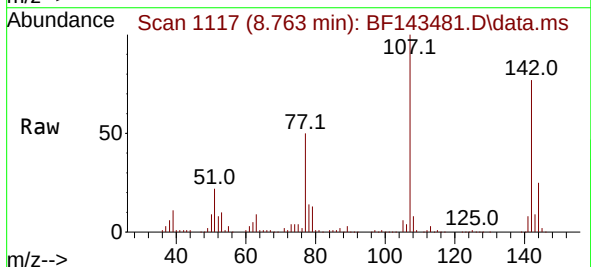
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

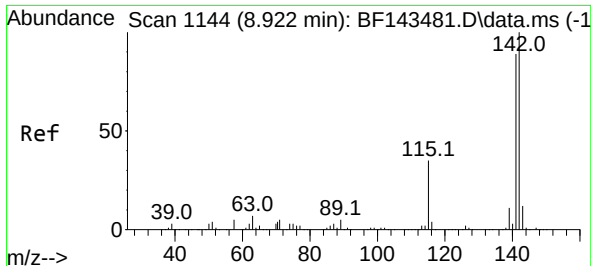
Tgt Ion:113 Resp: 73867
Ion Ratio Lower Upper
113 100
55 182.8 162.8 202.8
56 138.1 118.1 158.1



#36
4-Chloro-3-methylphenol
Concen: 39.889 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:107 Resp: 300101
Ion Ratio Lower Upper
107 100
144 24.9 19.9 29.9
142 77.3 61.8 92.8





#37

2-Methylnaphthalene

Concen: 39.489 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

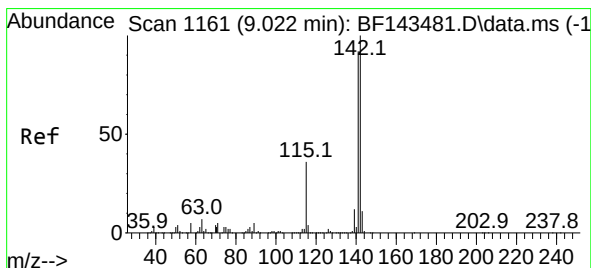
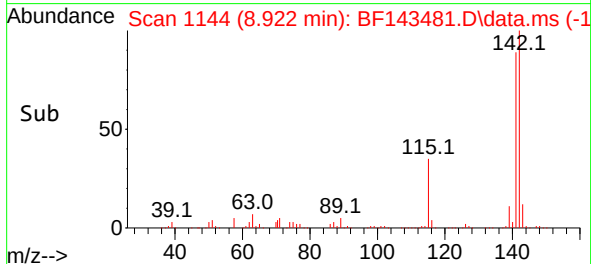
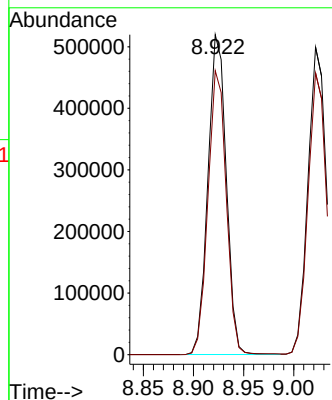
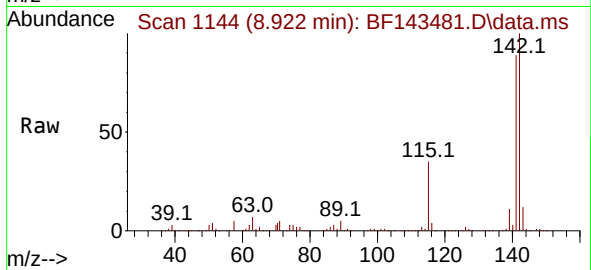
SSTDICCC040

Tgt Ion:142 Resp: 660885

Ion Ratio Lower Upper

142 100

141 88.7 71.0 106.4



#38

1-Methylnaphthalene

Concen: 39.300 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143481.D

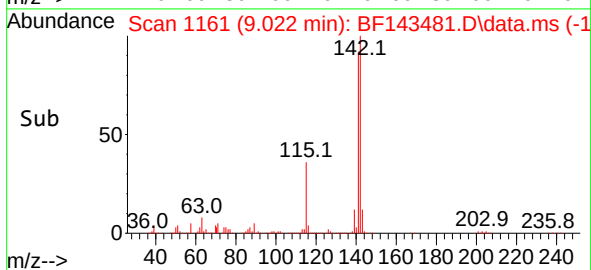
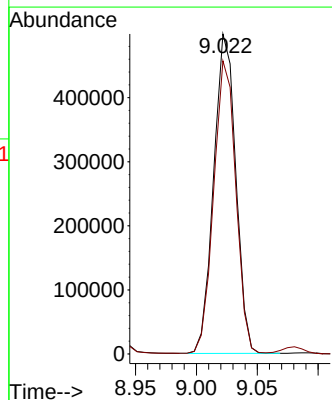
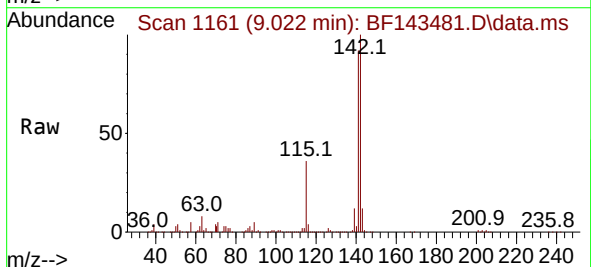
Acq: 20 Aug 2025 12:53

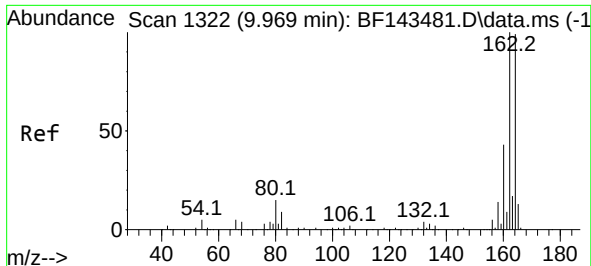
Tgt Ion:142 Resp: 629141

Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

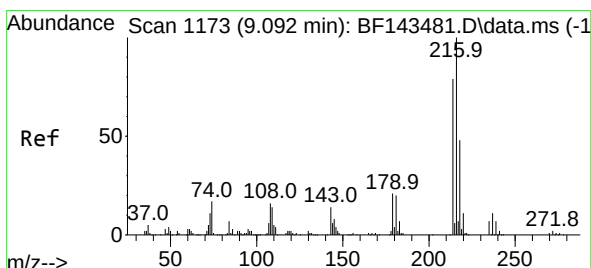
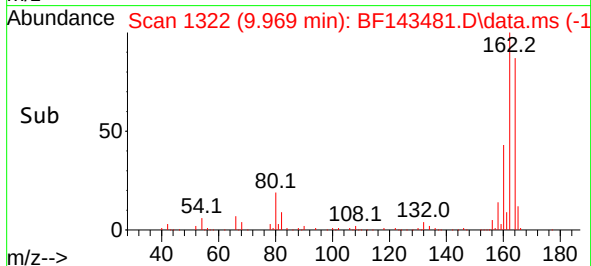
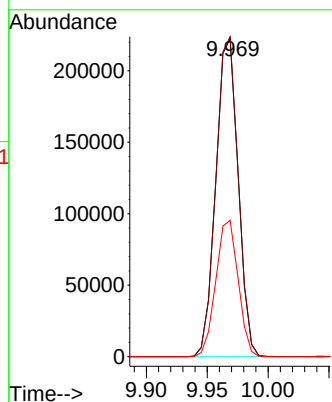
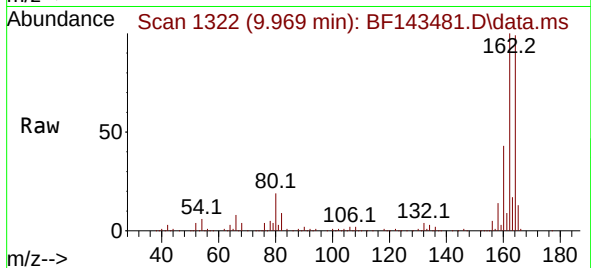
Tgt Ion:164 Resp: 282852

Ion Ratio Lower Upper

164 100

162 100.6 80.5 120.7

160 42.9 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.526 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Tgt Ion:216 Resp: 319789

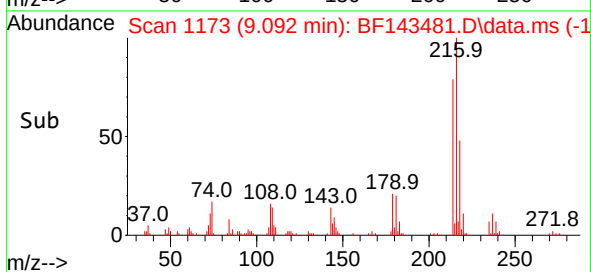
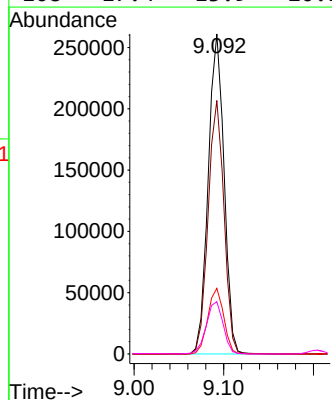
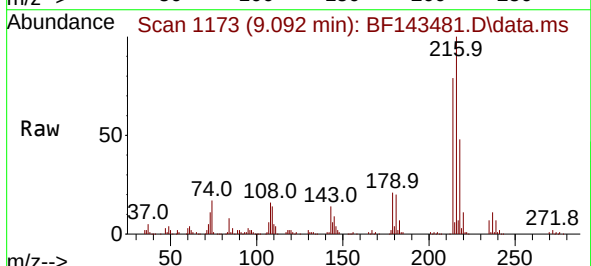
Ion Ratio Lower Upper

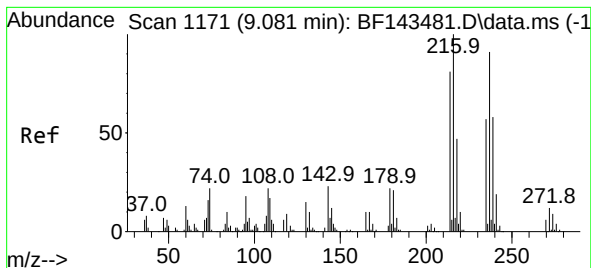
216 100

214 79.2 63.4 95.0

179 20.6 16.5 24.7

108 17.4 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 39.218 ng

RT: 9.081 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

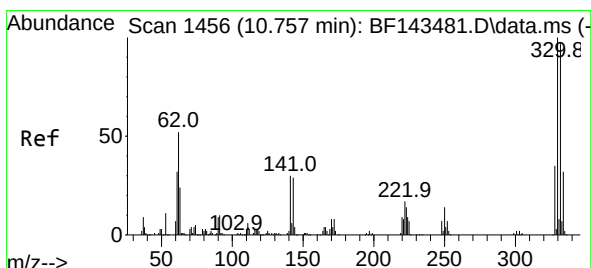
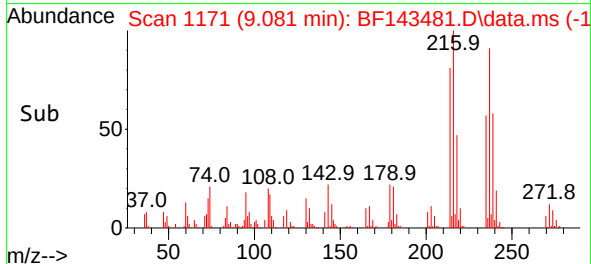
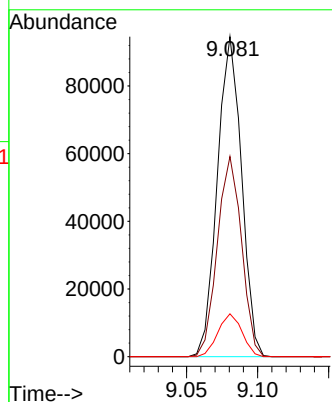
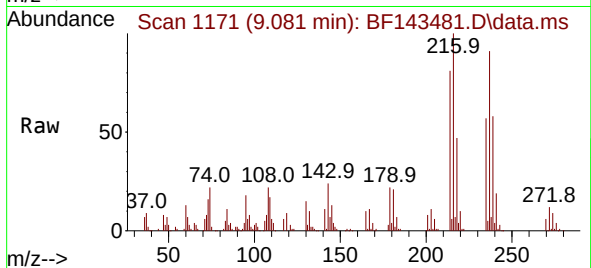
Tgt Ion:237 Resp: 112053

Ion Ratio Lower Upper

237 100

235 62.6 42.6 82.6

272 13.4 0.0 33.4



#42

2,4,6-Tribromophenol

Concen: 80.744 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

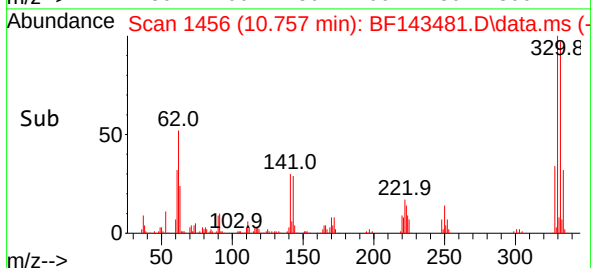
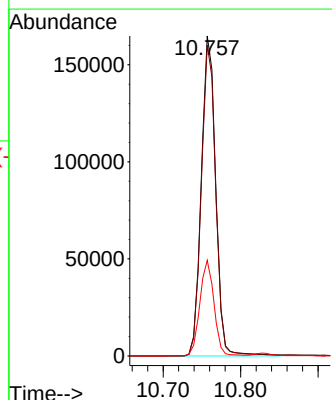
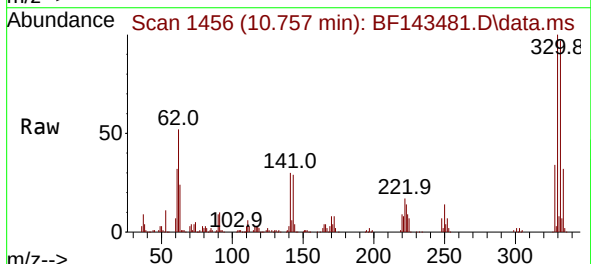
Tgt Ion:330 Resp: 212595

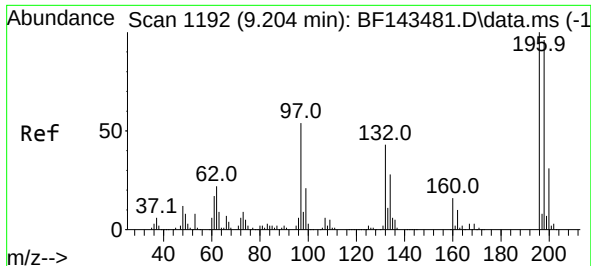
Ion Ratio Lower Upper

330 100

332 97.5 78.0 117.0

141 29.6 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 41.387 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

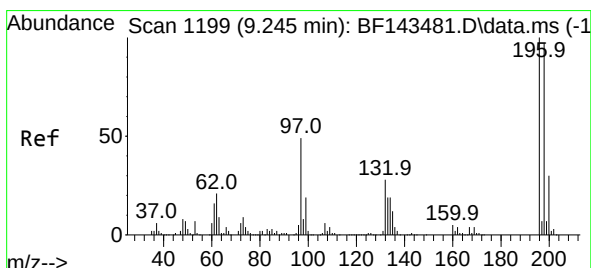
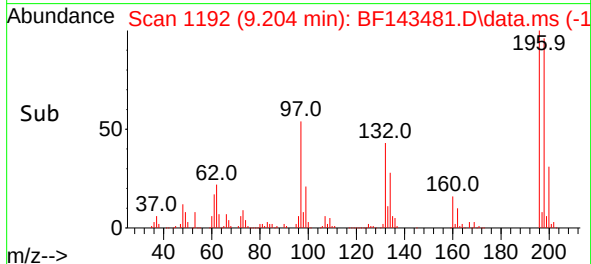
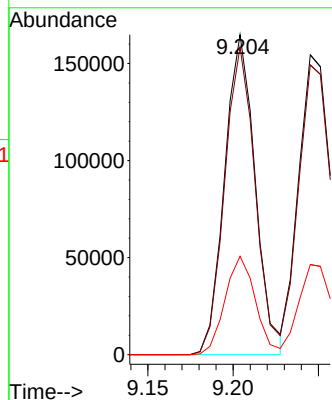
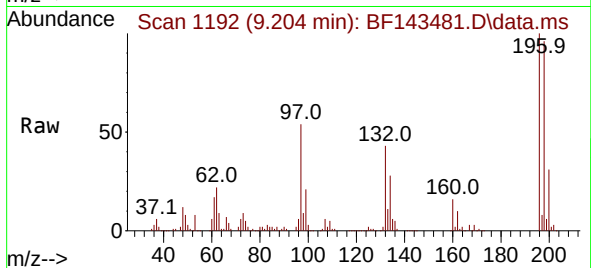
Tgt Ion:196 Resp: 206042

Ion Ratio Lower Upper

196 100

198 96.2 77.0 115.4

200 30.8 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 39.748 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Tgt Ion:196 Resp: 216152

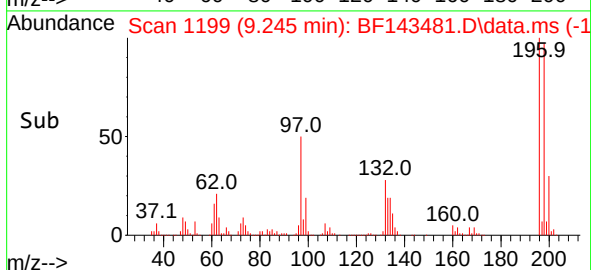
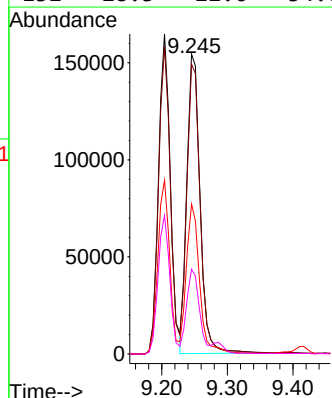
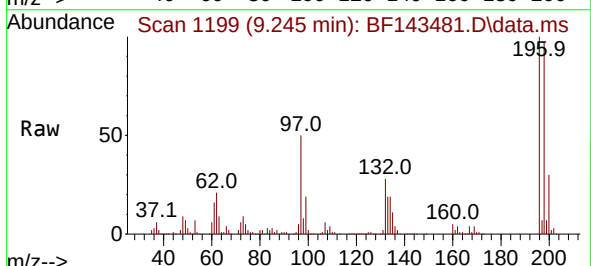
Ion Ratio Lower Upper

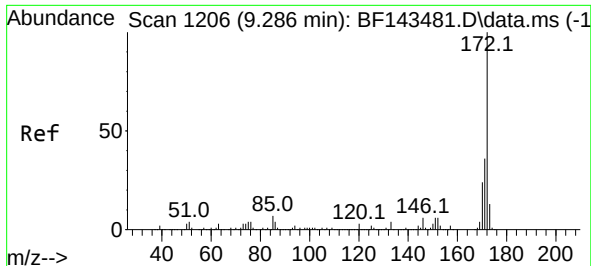
196 100

198 96.6 77.3 115.9

97 50.0 40.0 60.0

132 28.3 22.6 34.0

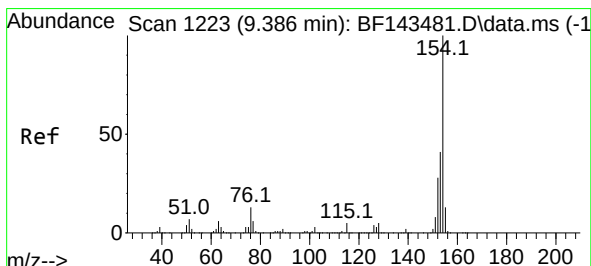
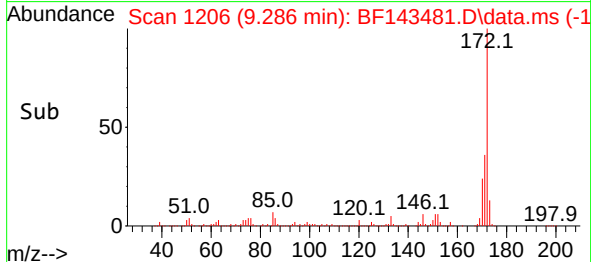
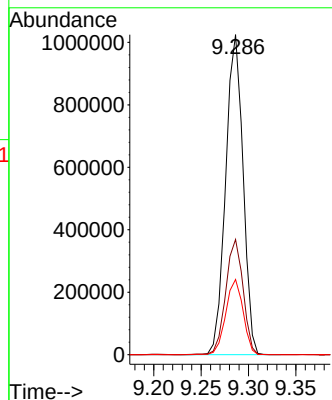
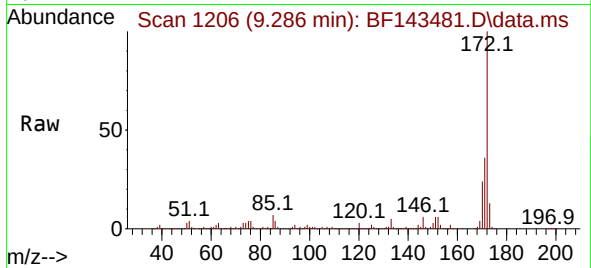




#45
2-Fluorobiphenyl
Concen: 76.419 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

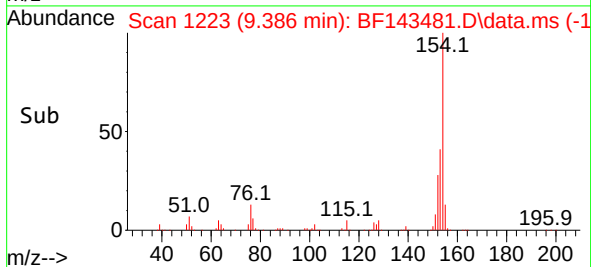
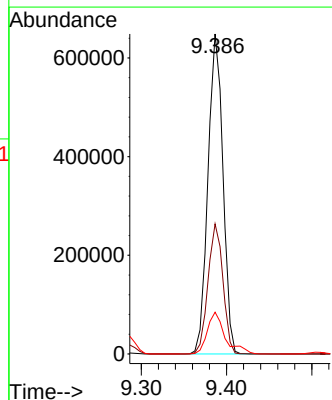
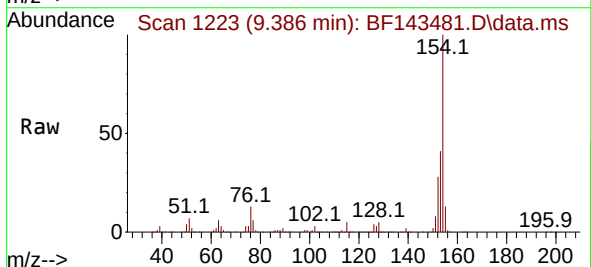
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

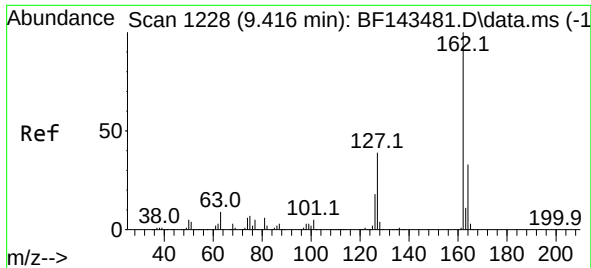
Tgt Ion:172 Resp: 1307900
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.5 18.8 28.2



#46
1,1'-Biphenyl
Concen: 39.412 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:154 Resp: 791238
Ion Ratio Lower Upper
154 100
153 40.6 20.6 60.6
76 13.0 0.0 33.0

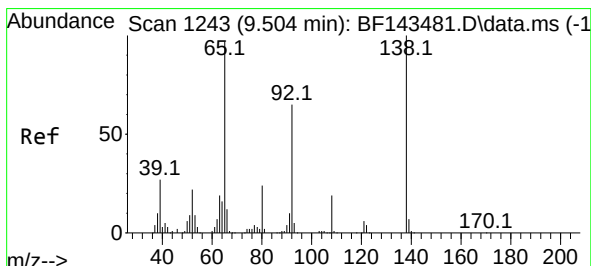
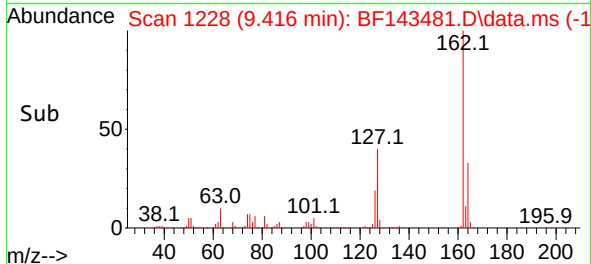
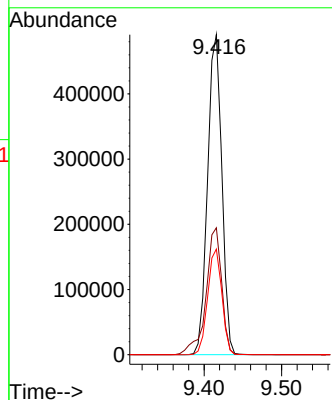
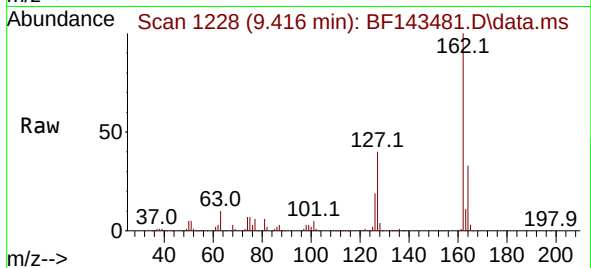




#47
2-Chloronaphthalene
Concen: 39.699 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

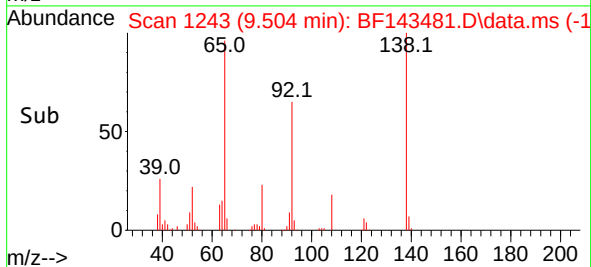
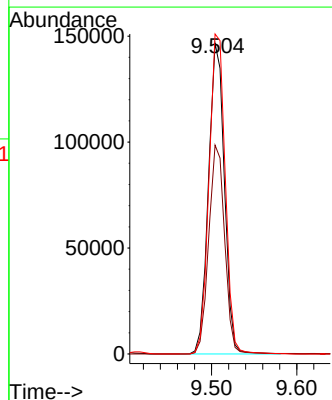
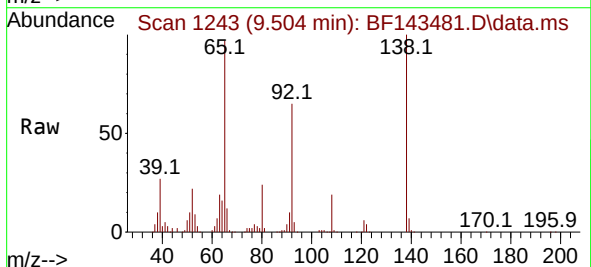
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

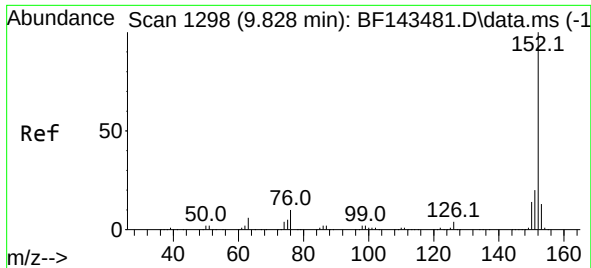
Tgt Ion:162 Resp: 625355
Ion Ratio Lower Upper
162 100
127 39.7 31.8 47.6
164 33.0 26.4 39.6



#48
2-Nitroaniline
Concen: 41.336 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 65 Resp: 190564
Ion Ratio Lower Upper
65 100
92 67.2 53.8 80.6
138 103.0 82.4 123.6

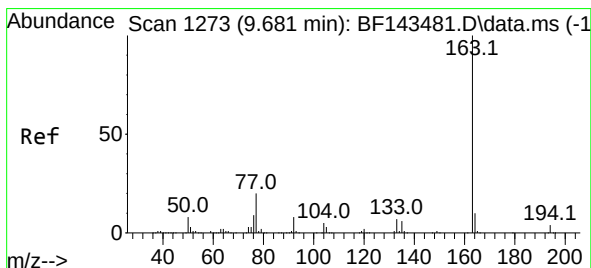
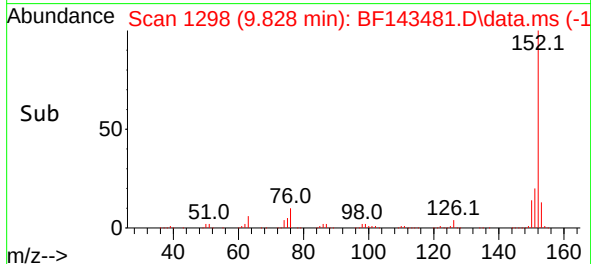
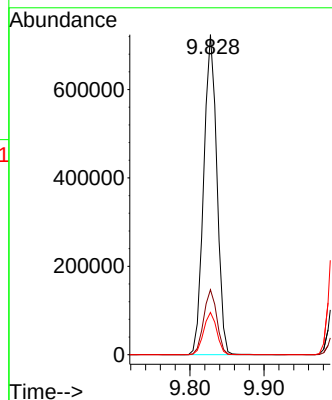
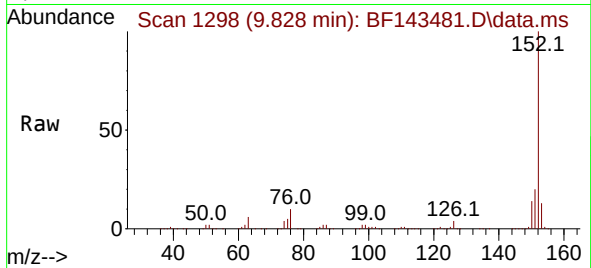




#49
Acenaphthylene
Concen: 39.620 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

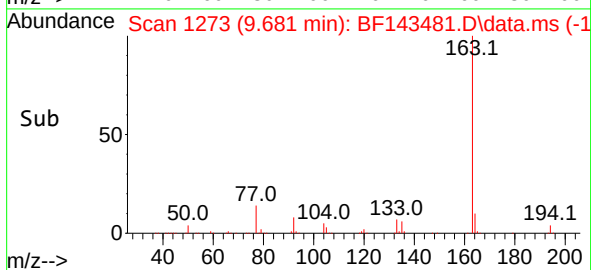
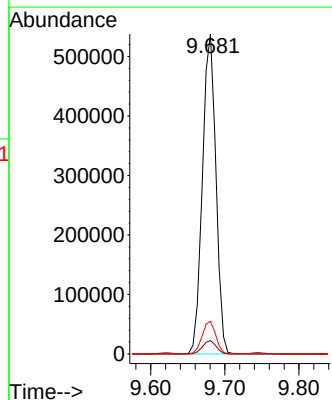
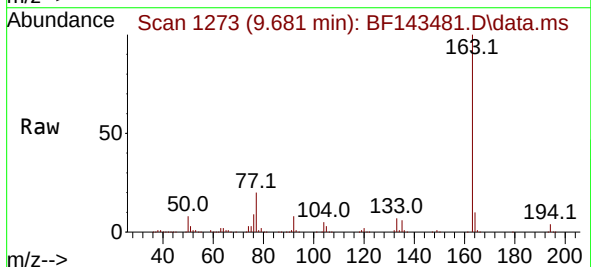
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

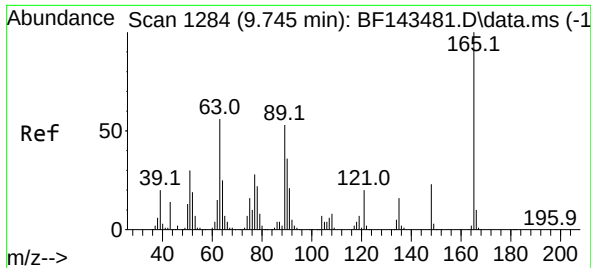
Tgt Ion:152 Resp: 893624
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 39.881 ng
RT: 9.681 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:163 Resp: 679389
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.2 8.2 12.2

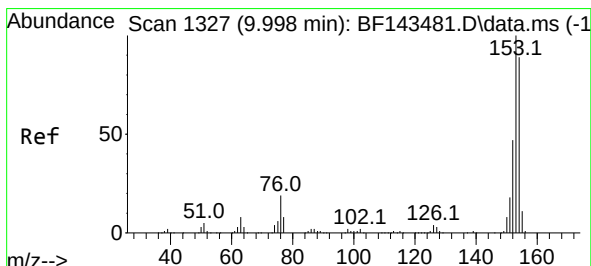
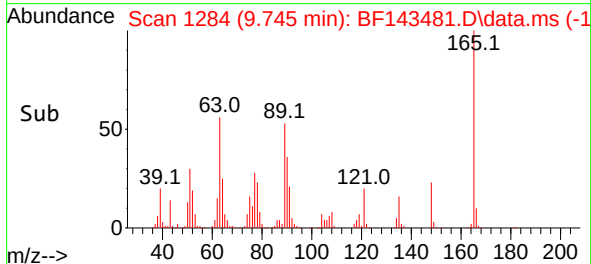
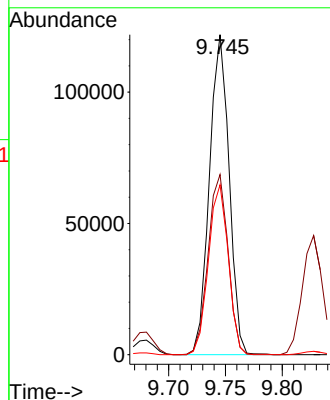
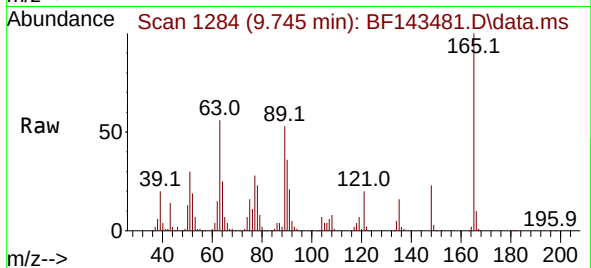




#51
2,6-Dinitrotoluene
Concen: 41.551 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

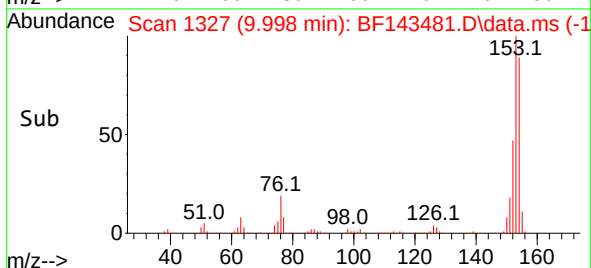
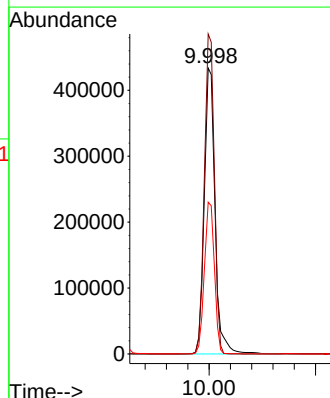
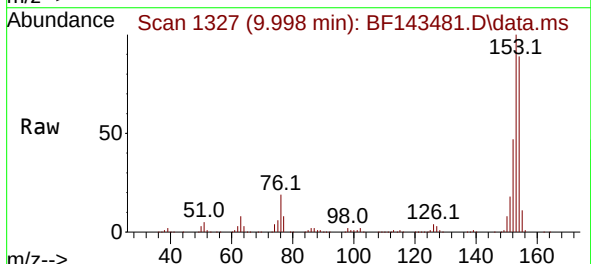
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

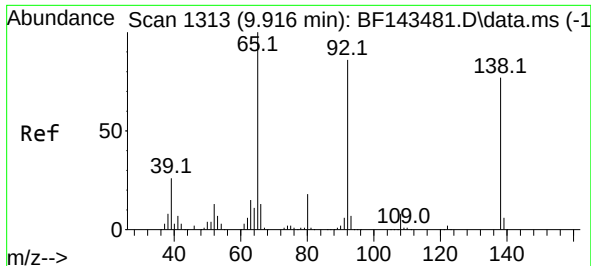
Tgt Ion:165 Resp: 146703
Ion Ratio Lower Upper
165 100
63 56.3 45.0 67.6
89 53.1 42.5 63.7



#52
Acenaphthene
Concen: 39.745 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:154 Resp: 608648
Ion Ratio Lower Upper
154 100
153 111.9 89.5 134.3
152 53.1 42.5 63.7

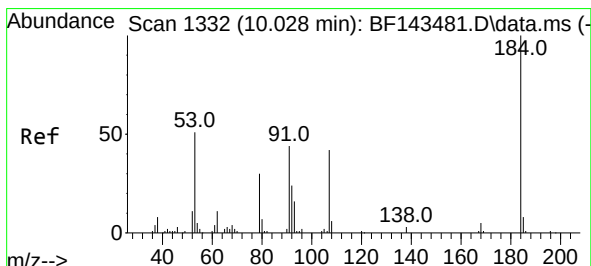
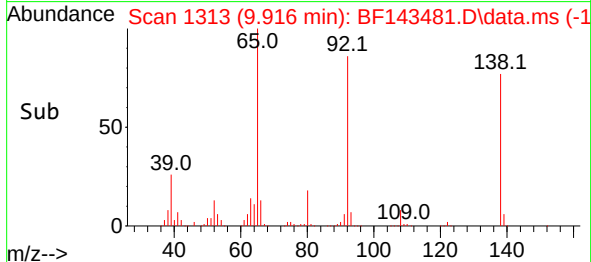
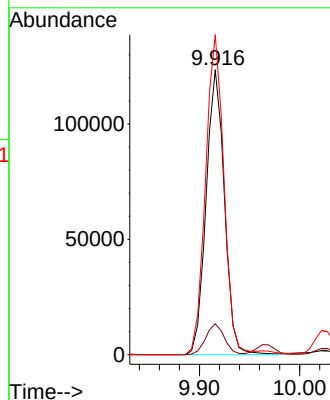
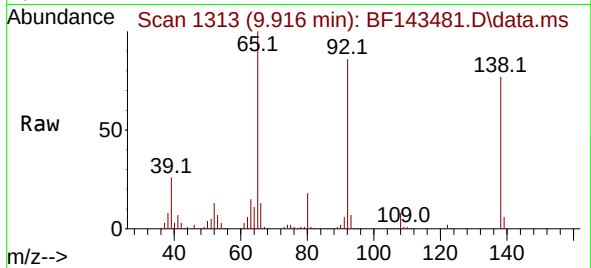




#53
3-Nitroaniline
Concen: 41.163 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

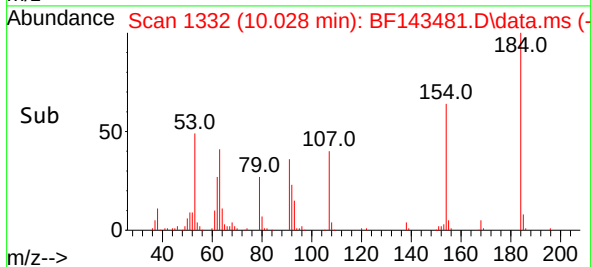
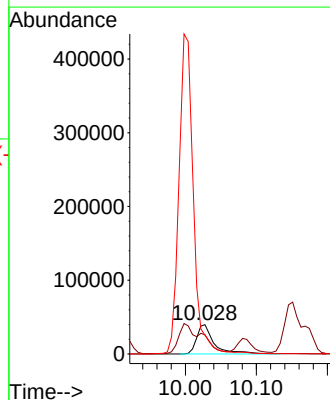
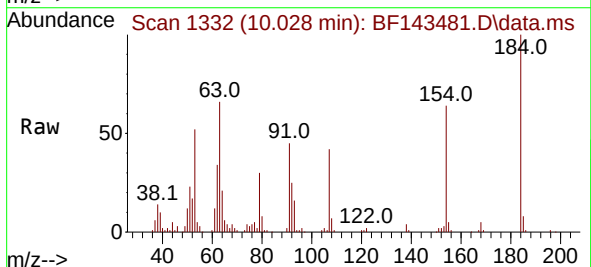
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

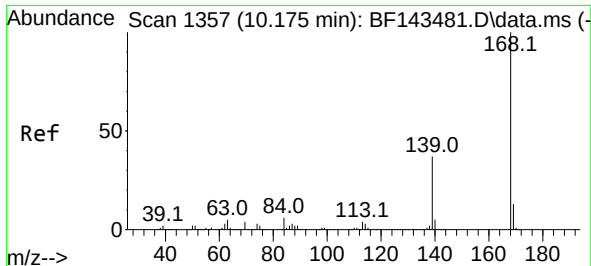
Tgt Ion:138 Resp: 157042
Ion Ratio Lower Upper
138 100
108 10.8 8.6 13.0
92 112.3 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 38.822 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:184 Resp: 67793
Ion Ratio Lower Upper
184 100
63 65.7 52.6 78.8
154 63.7 51.0 76.4

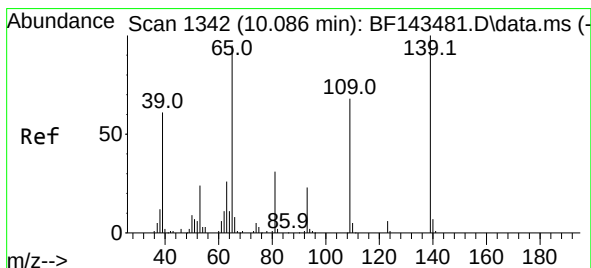
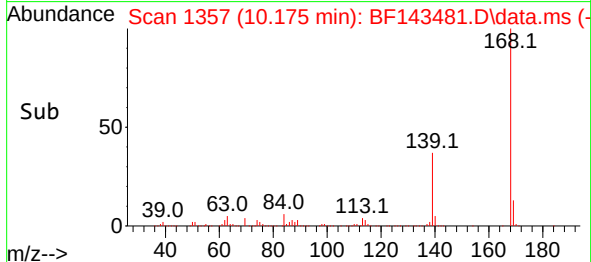
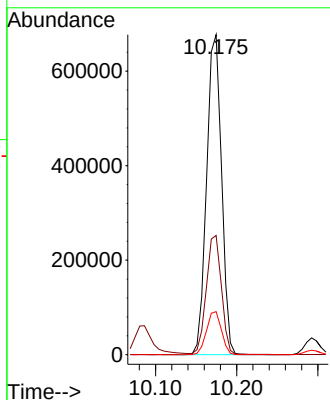
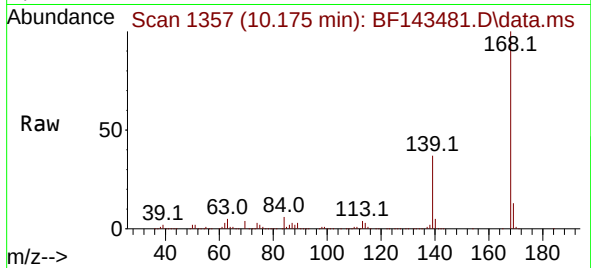




#55
Dibenzenofuran
Concen: 39.465 ng
RT: 10.175 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

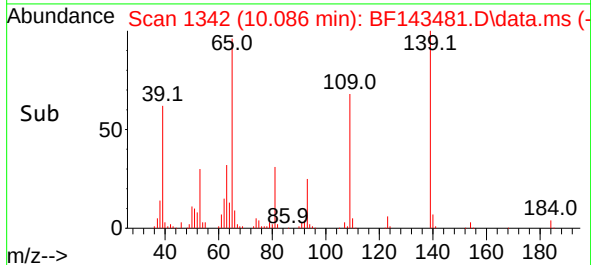
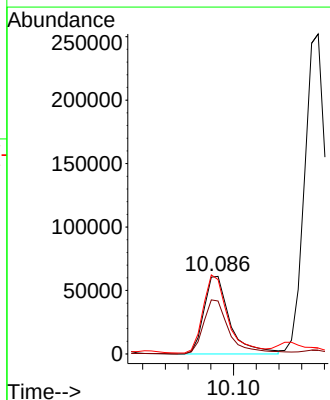
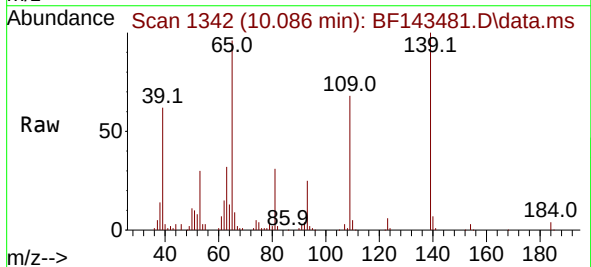
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

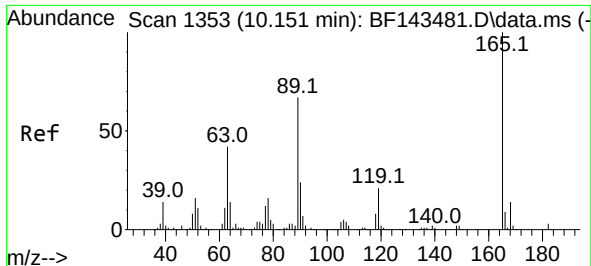
Tgt Ion:168 Resp: 861659
Ion Ratio Lower Upper
168 100
139 37.2 29.8 44.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 42.699 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:139 Resp: 96926
Ion Ratio Lower Upper
139 100
109 68.2 48.2 88.2
65 95.8 75.8 115.8

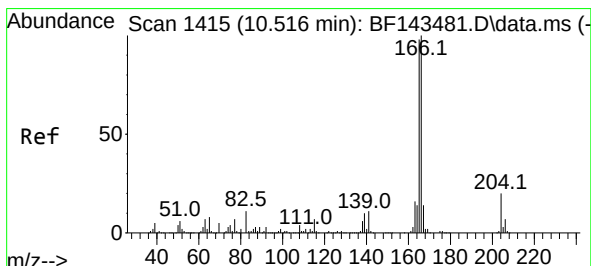
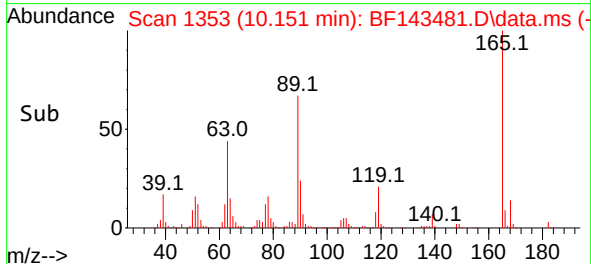
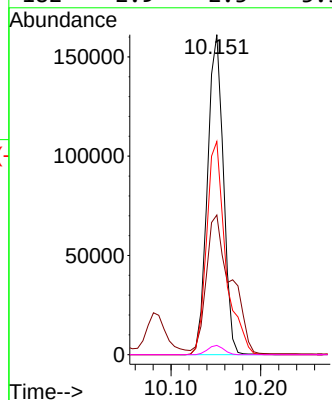
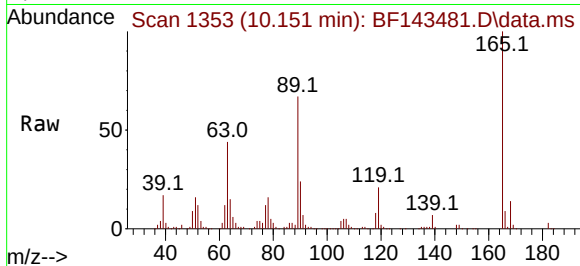




#57
2,4-Dinitrotoluene
Concen: 42.127 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

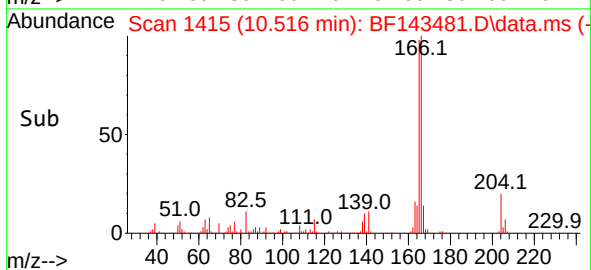
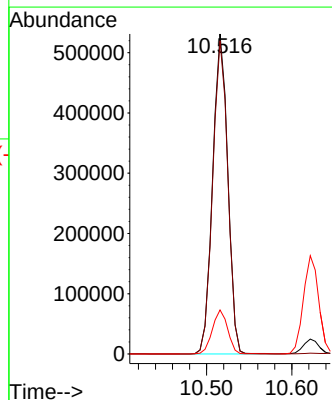
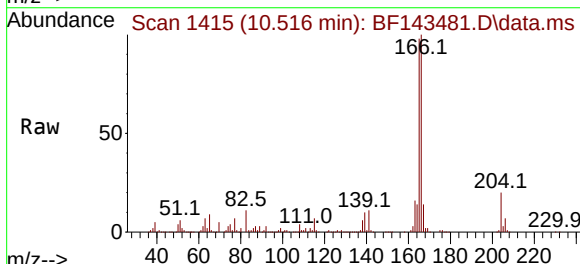
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

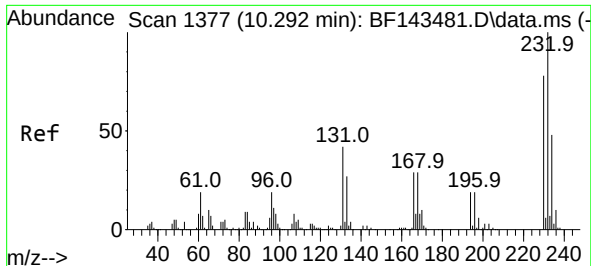
Tgt Ion:165	Resp:	198600	
Ion	Ratio	Lower	Upper
165	100		
63	43.6	34.9	52.3
89	66.6	53.3	79.9
182	2.9	2.3	3.5



#58
Fluorene
Concen: 38.975 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:166	Resp:	654929	
Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.3	117.5
167	13.7	11.0	16.4



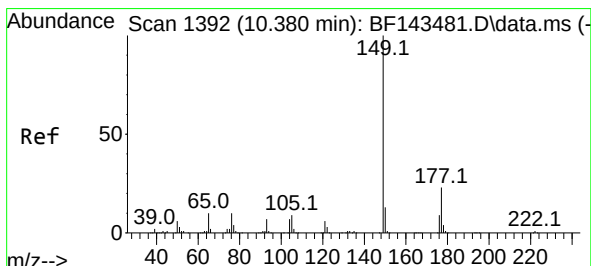
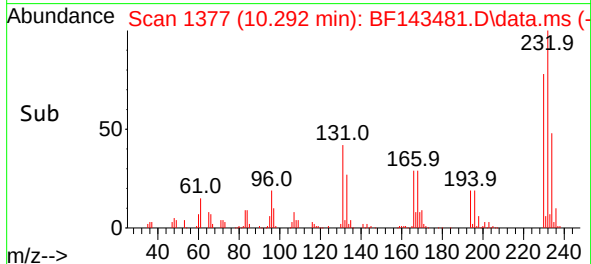
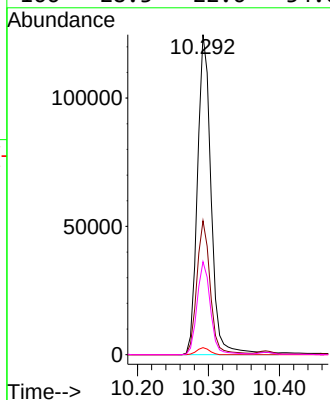
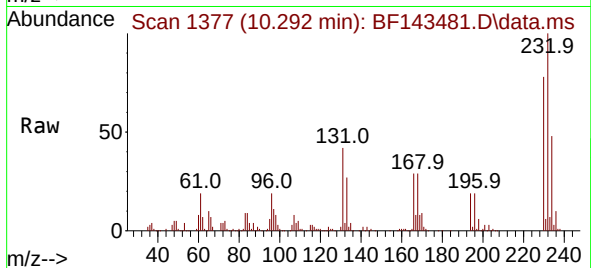


#59
2,3,4,6-Tetrachlorophenol
Concen: 41.542 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 167834

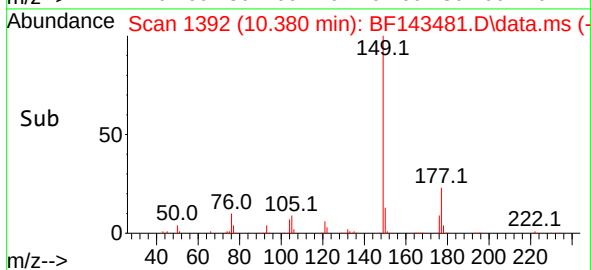
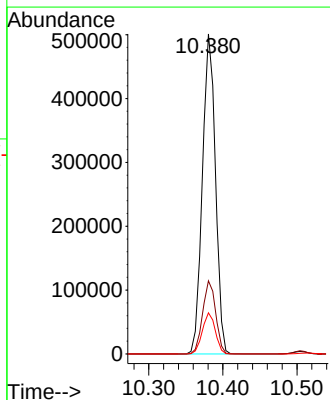
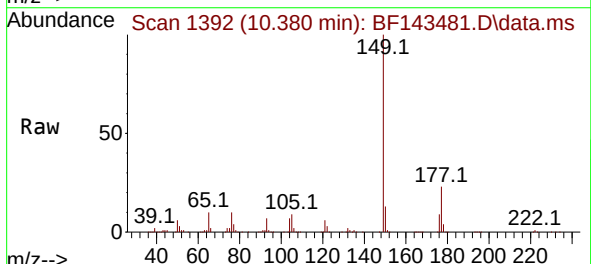
Ion	Ratio	Lower	Upper
232	100		
131	40.9	32.7	49.1
130	2.0	1.6	2.4
166	28.3	22.6	34.0

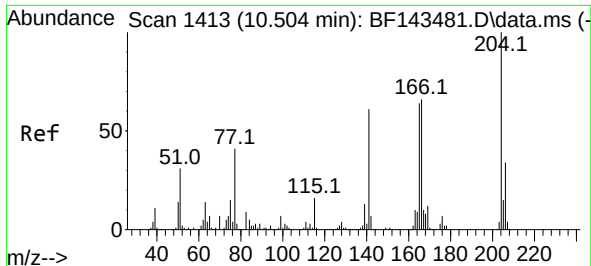


#60
Diethylphthalate
Concen: 40.167 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:149 Resp: 613485

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.9	10.3	15.5

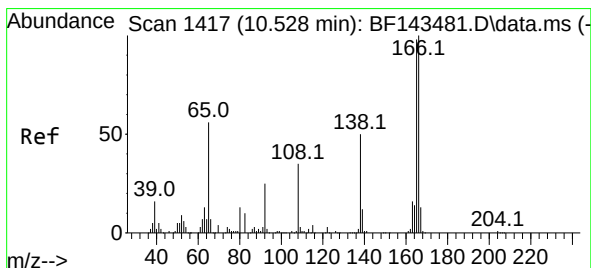
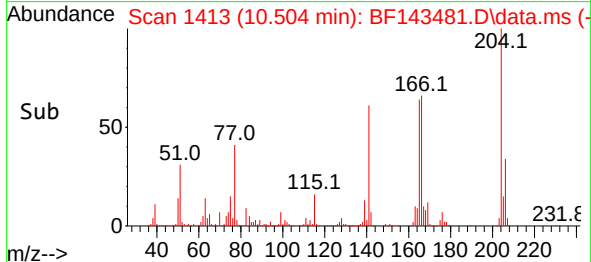
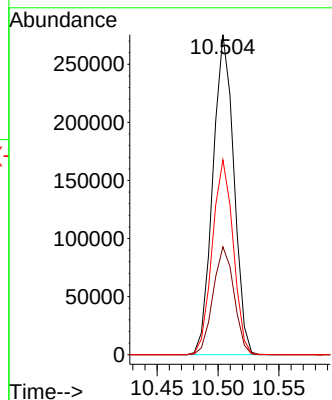
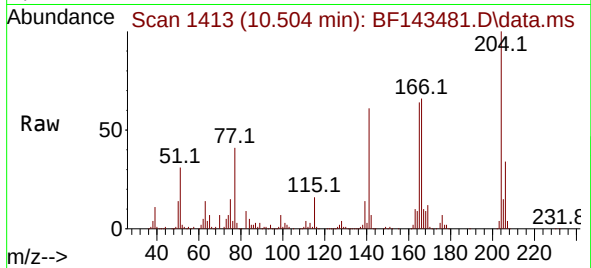




#61
4-Chlorophenyl-phenylether
Concen: 39.350 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

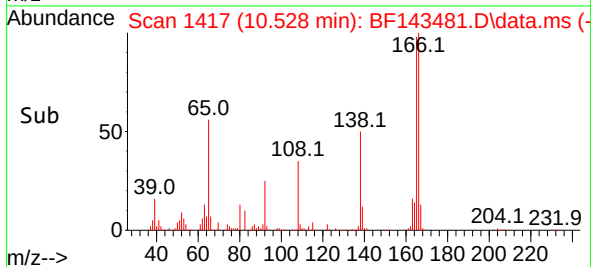
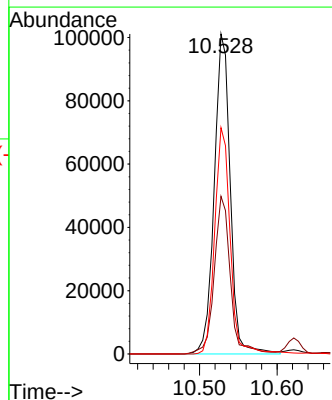
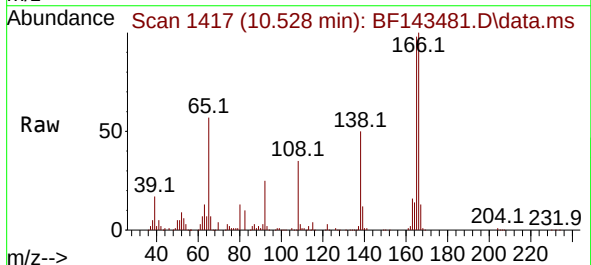
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

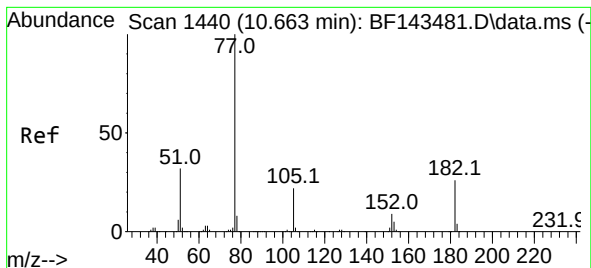
Tgt Ion:204 Resp: 330692
Ion Ratio Lower Upper
204 100
206 33.7 27.0 40.4
141 60.9 48.7 73.1



#62
4-Nitroaniline
Concen: 41.412 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:138 Resp: 145120
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 70.7 50.7 90.7

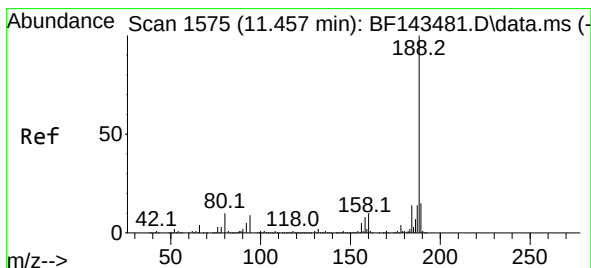
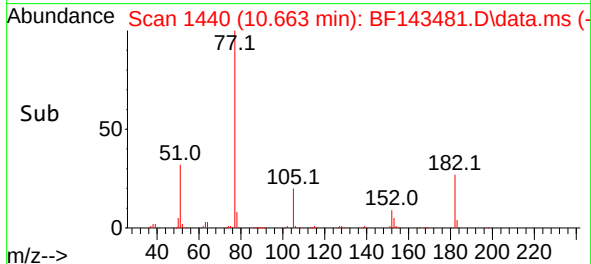
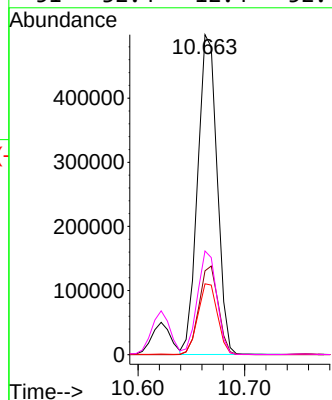
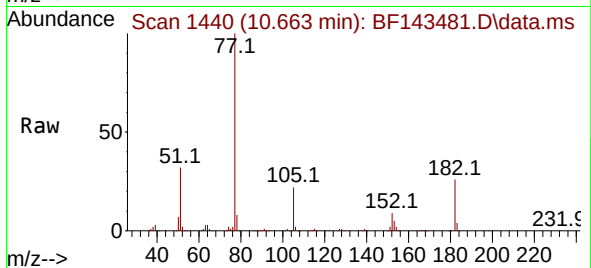




#63
Azobenzene
Concen: 40.076 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

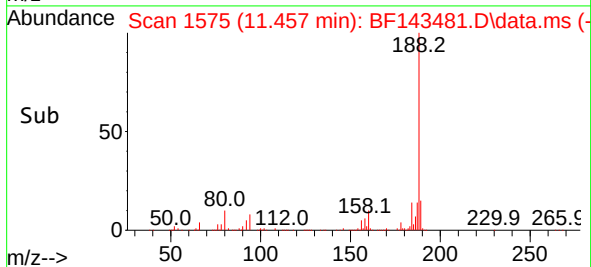
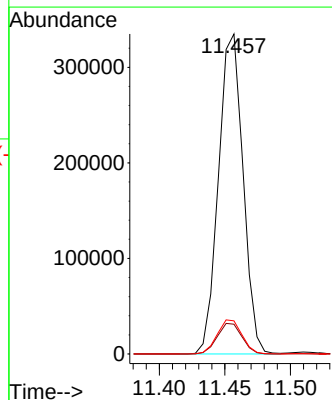
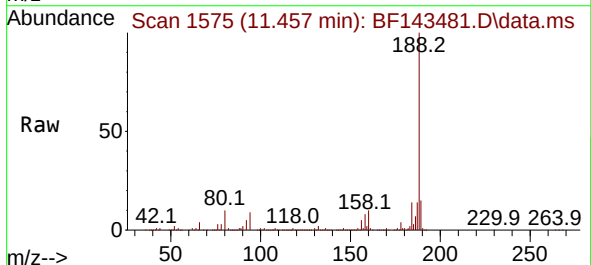
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

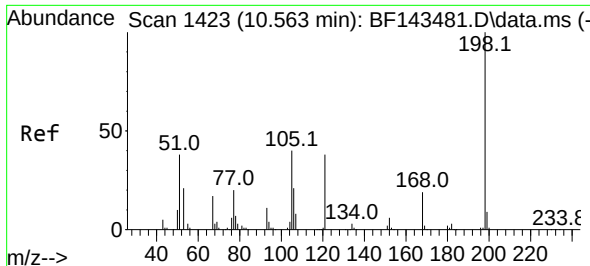
Tgt Ion:	77	Resp:	634664
Ion	Ratio	Lower	Upper
77	100		
182	26.2	6.2	46.2
105	22.2	2.2	42.2
51	32.4	12.4	52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:	188	Resp:	436106
Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	10.3	8.2	12.4

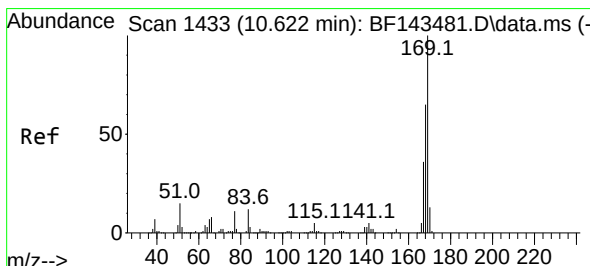
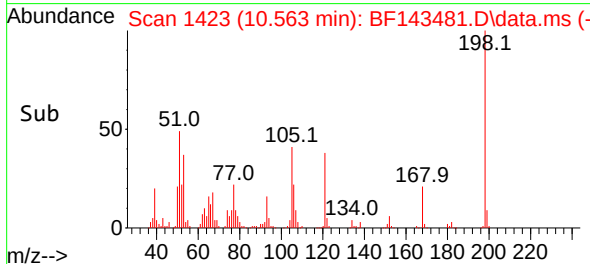
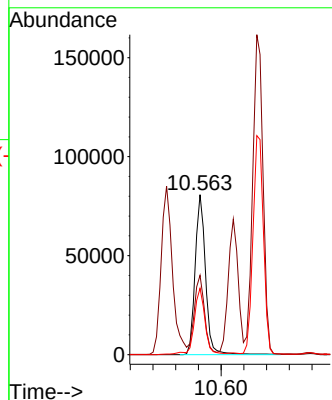
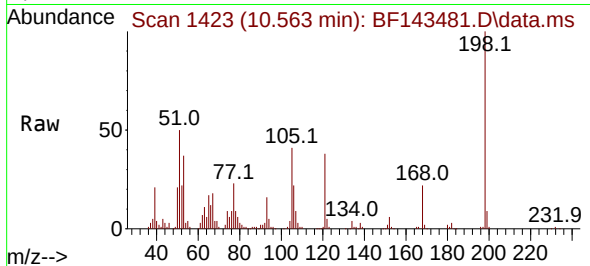




#65
4,6-Dinitro-2-methylphenol
Concen: 42.115 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

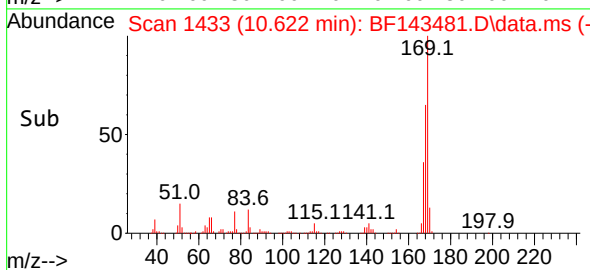
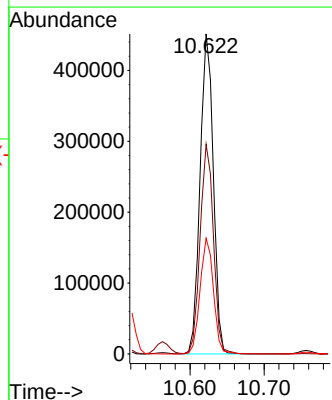
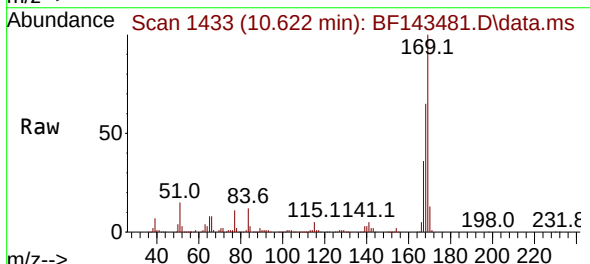
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

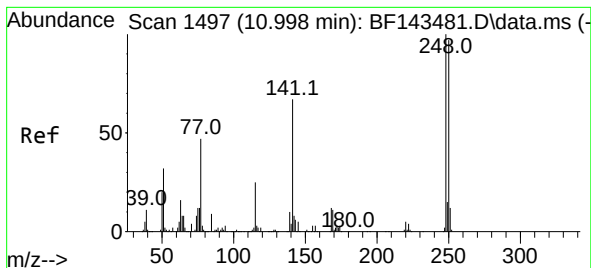
Tgt Ion:198 Resp: 103558
Ion Ratio Lower Upper
198 100
51 49.6 29.6 69.6
105 41.5 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 39.830 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

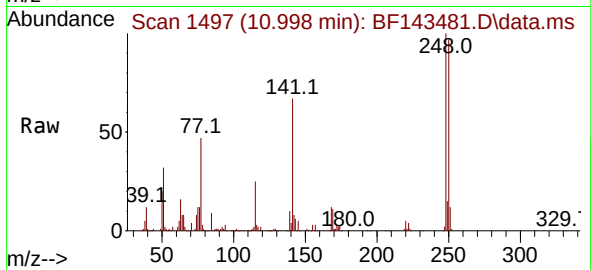
Tgt Ion:169 Resp: 558998
Ion Ratio Lower Upper
169 100
168 65.5 52.4 78.6
167 36.1 28.9 43.3



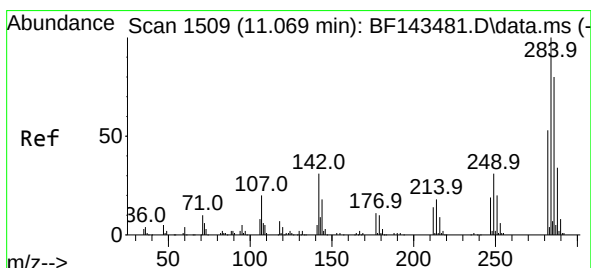
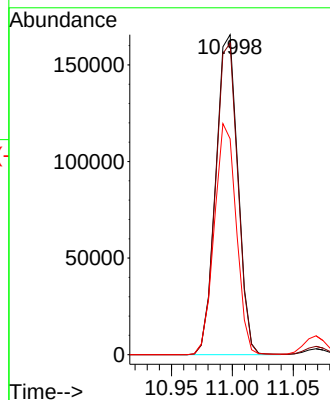
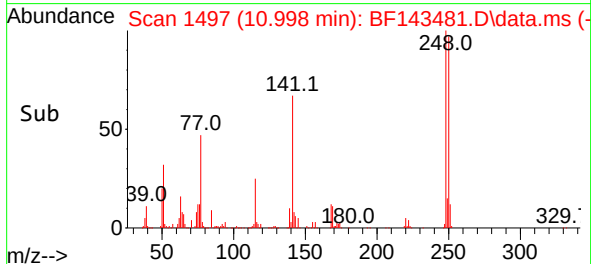


#67
4-Bromophenyl-phenylether
Concen: 40.374 ng
RT: 10.998 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

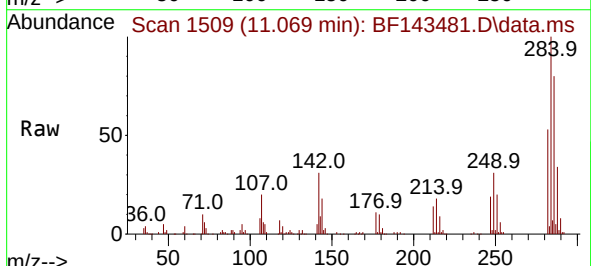
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



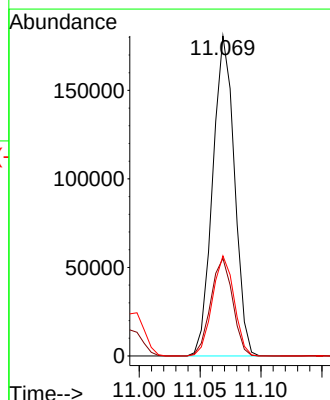
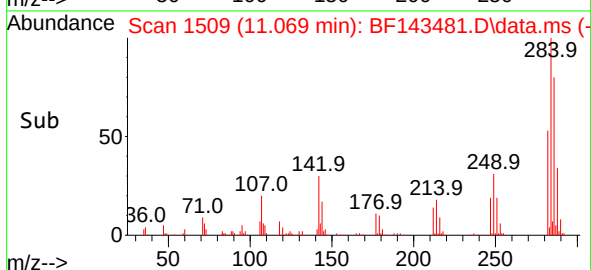
Tgt Ion:248 Resp: 210081
Ion Ratio Lower Upper
248 100
250 97.3 77.8 116.8
141 67.5 54.0 81.0

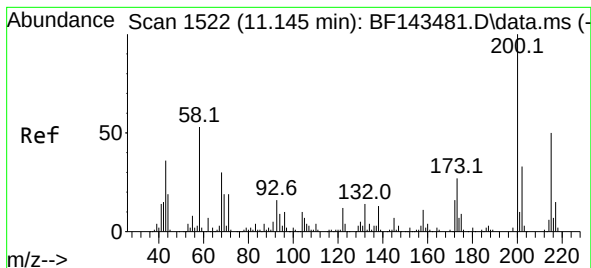


#68
Hexachlorobenzene
Concen: 39.989 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53



Tgt Ion:284 Resp: 224294
Ion Ratio Lower Upper
284 100
142 30.5 24.4 36.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 40.437 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

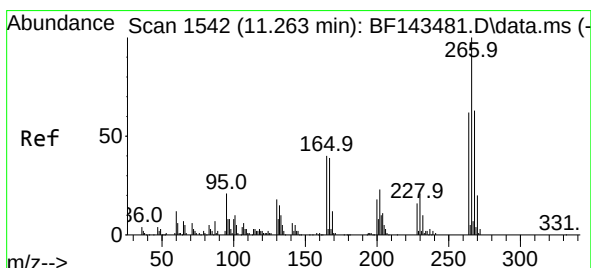
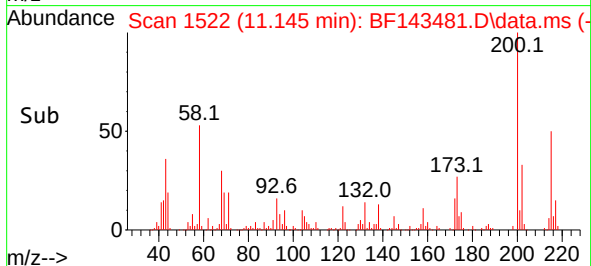
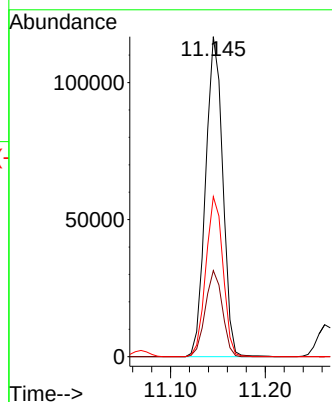
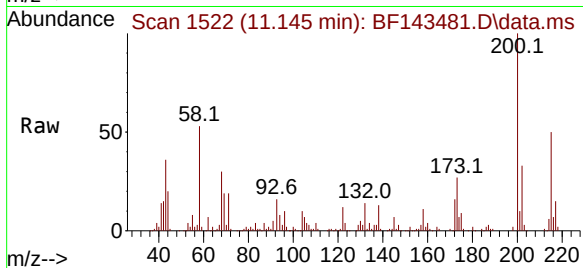
Tgt Ion:200 Resp: 146499

Ion Ratio Lower Upper

200 100

173 26.9 6.9 46.9

215 50.0 30.0 70.0



#70

Pentachlorophenol

Concen: 42.121 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

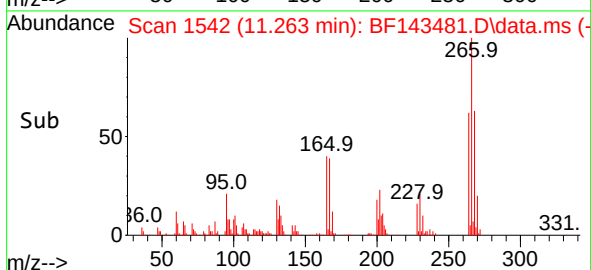
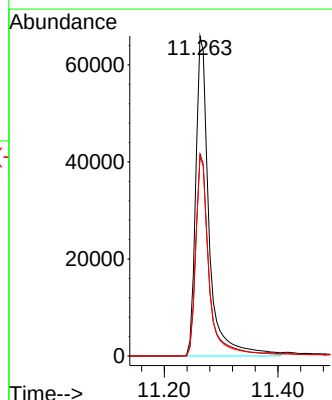
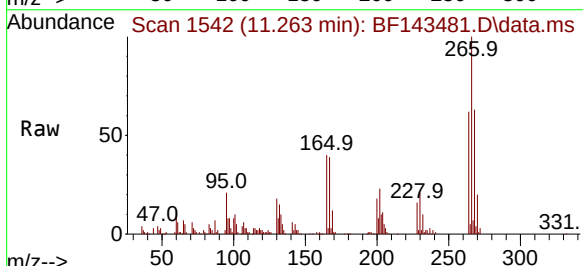
Tgt Ion:266 Resp: 108200

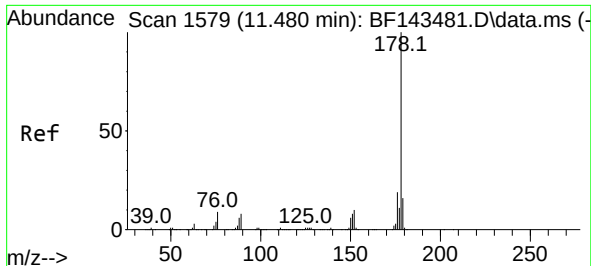
Ion Ratio Lower Upper

266 100

268 63.1 50.5 75.7

264 62.3 49.8 74.8

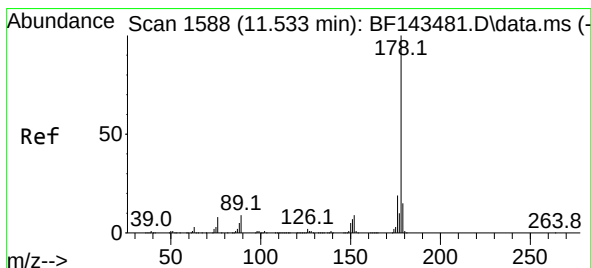
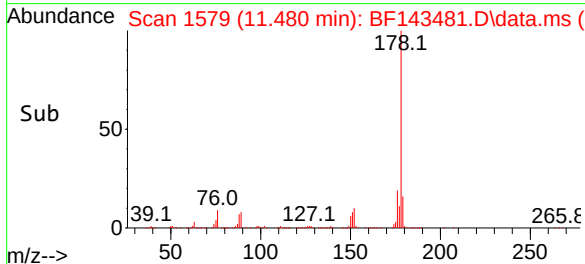
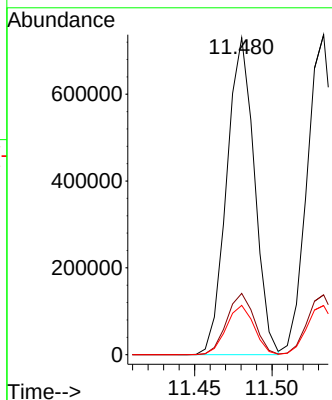
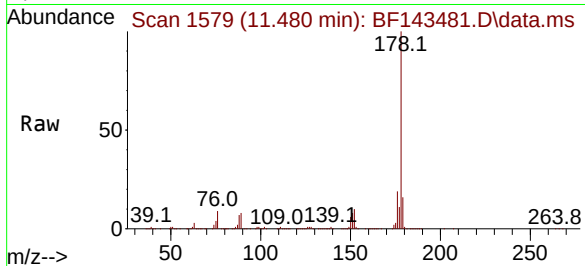




#71
Phenanthrene
Concen: 38.800 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

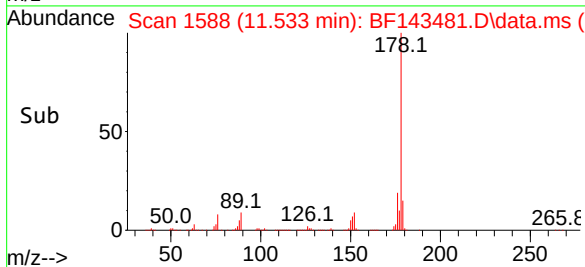
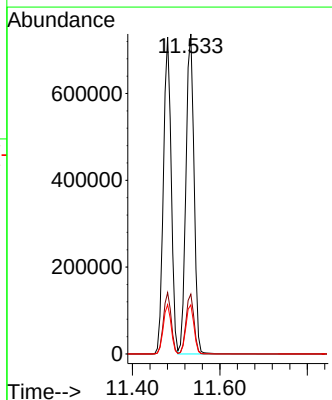
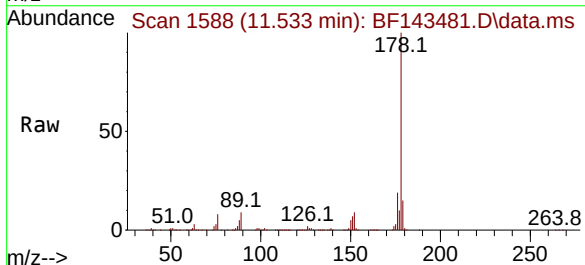
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

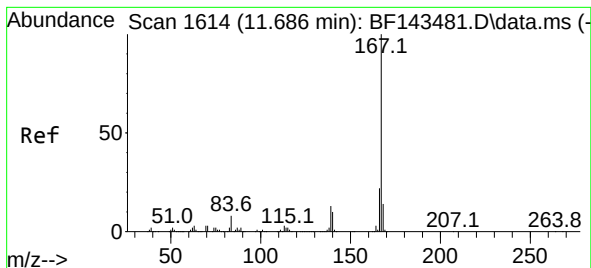
Tgt Ion:178 Resp: 906136
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.5 18.7



#72
Anthracene
Concen: 39.587 ng
RT: 11.533 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:178 Resp: 936575
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.4 12.3 18.5

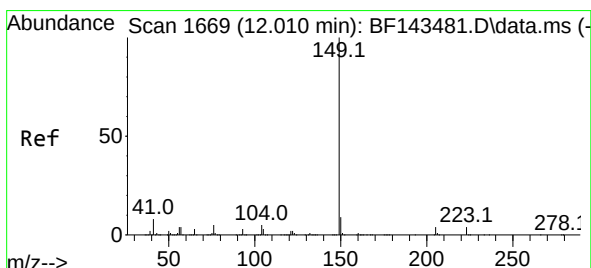
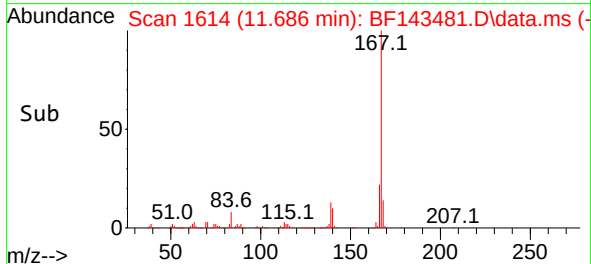
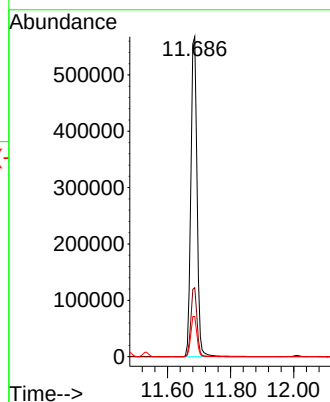
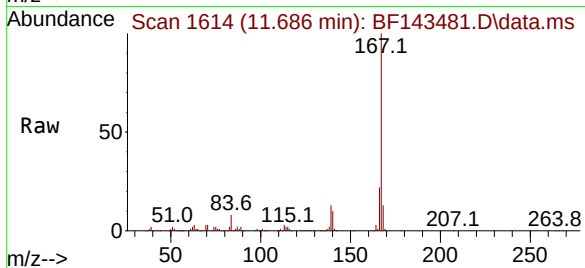




#73
 Carbazole
 Concen: 39.704 ng
 RT: 11.686 min Scan# 1614
 Delta R.T. -0.000 min
 Lab File: BF143481.D
 Acq: 20 Aug 2025 12:53

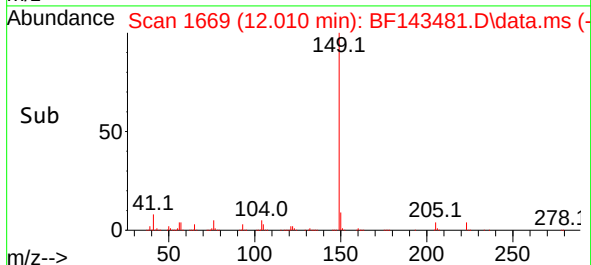
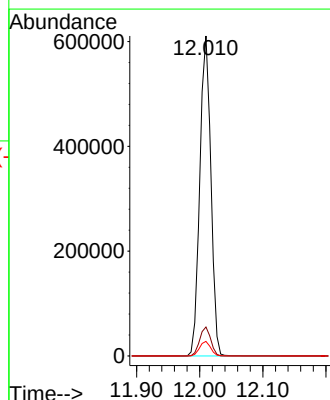
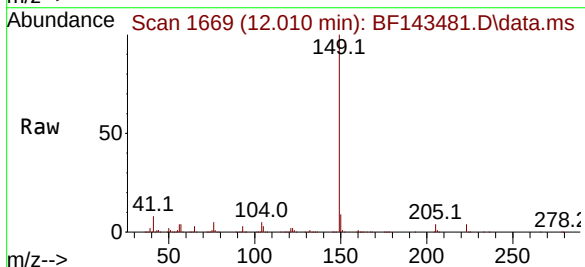
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

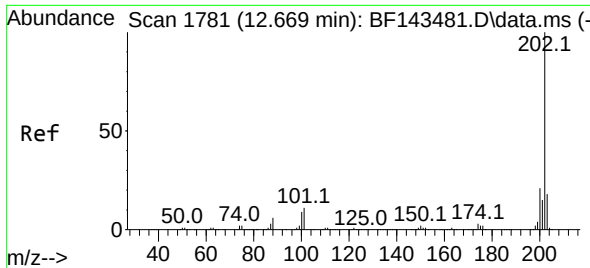
Tgt Ion:167 Resp: 769702
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.3 25.9
 139 12.5 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 40.975 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF143481.D
 Acq: 20 Aug 2025 12:53

Tgt Ion:149 Resp: 741021
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.2 10.8
 104 4.5 3.6 5.4

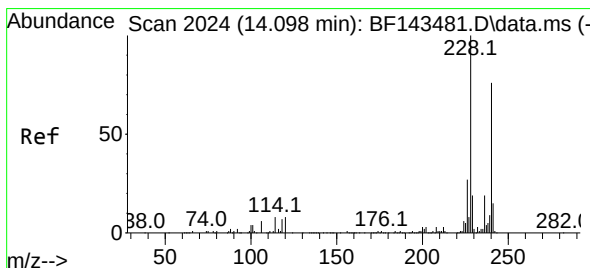
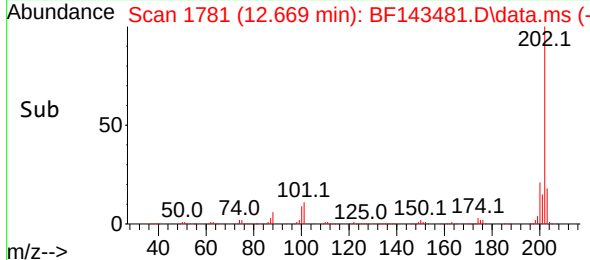
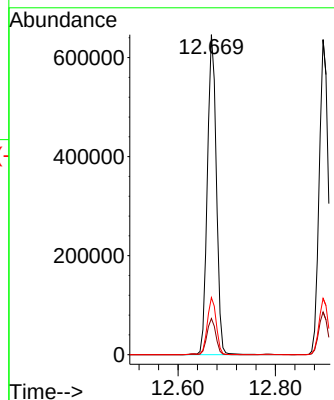
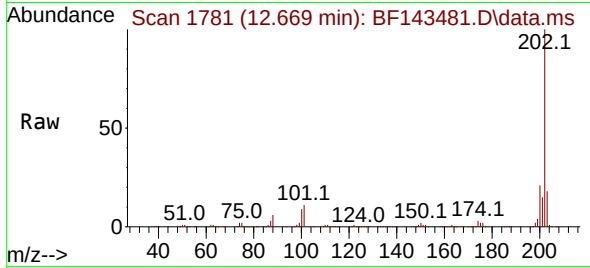




#75
Fluoranthene
Concen: 39.378 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

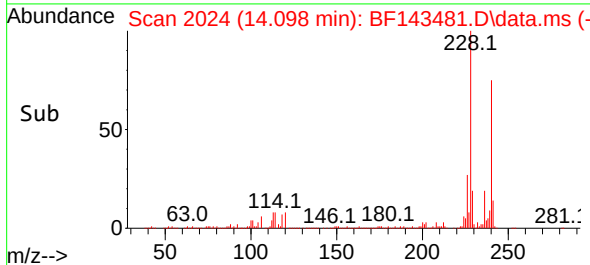
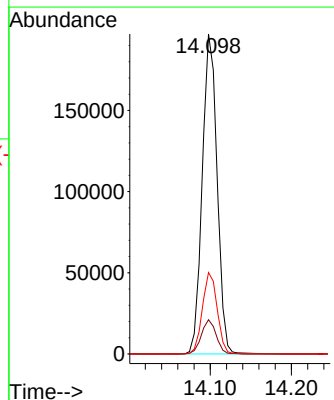
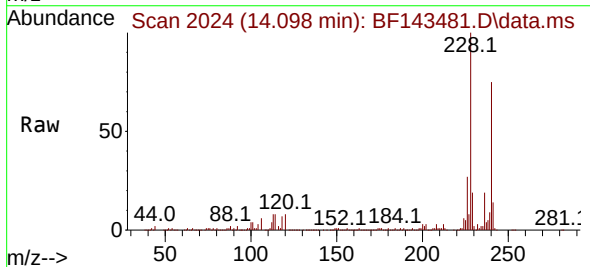
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

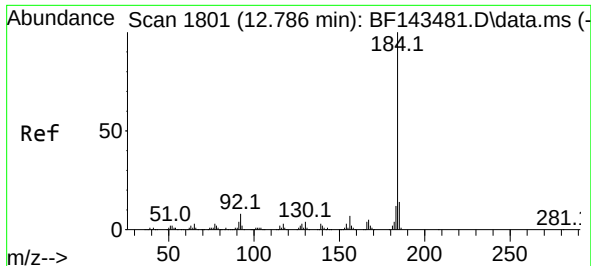
Tgt Ion:202 Resp: 825200
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 17.9 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:240 Resp: 249960
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 25.5 20.4 30.6

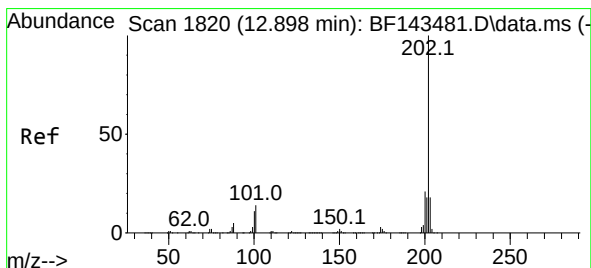
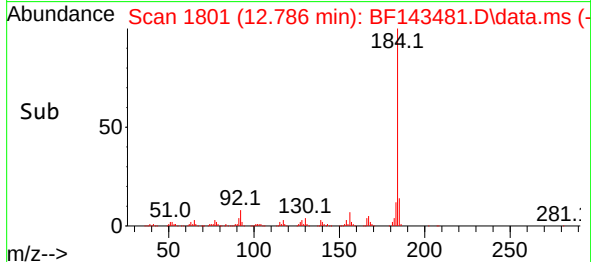
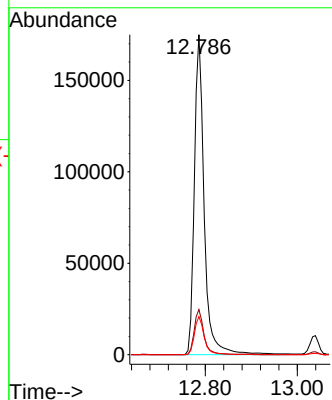
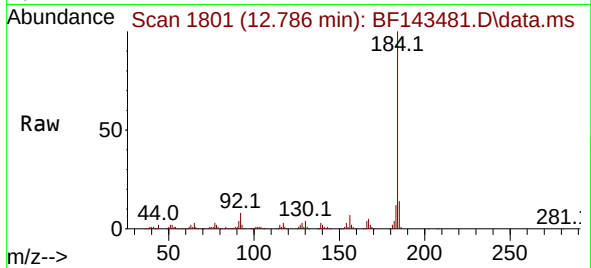




#77
Benzidine
Concen: 42.403 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

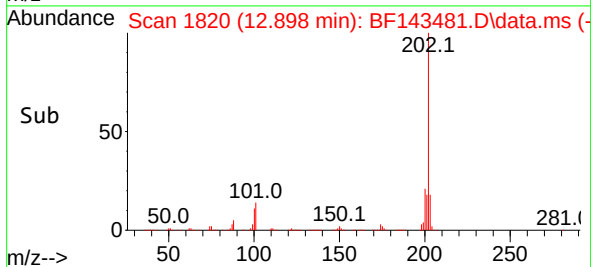
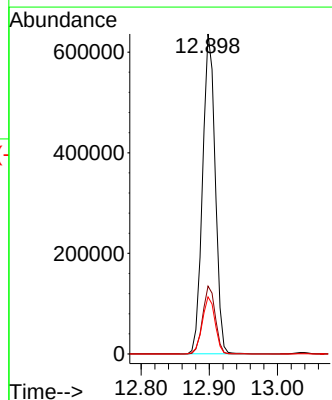
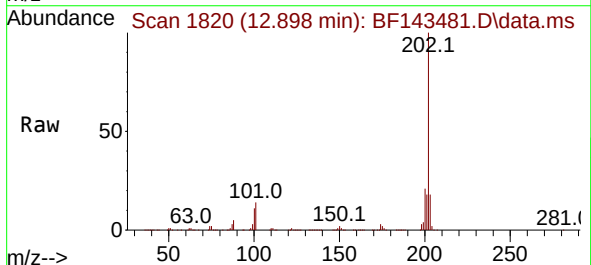
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

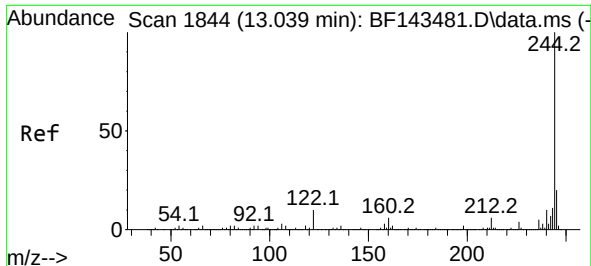
Tgt Ion:184 Resp: 258175
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 11.9 9.5 14.3



#78
Pyrene
Concen: 39.759 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:202 Resp: 817477
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.9 14.3 21.5

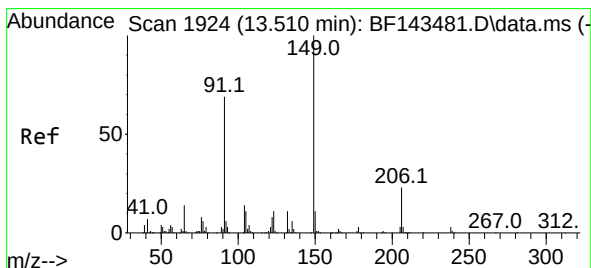
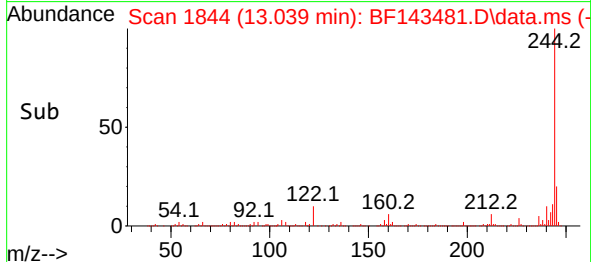
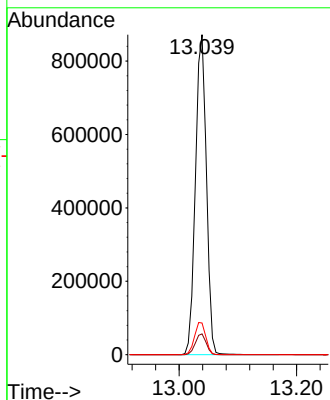
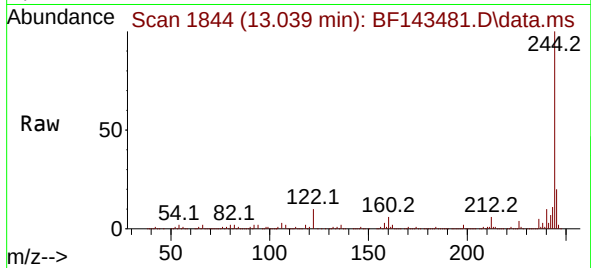




#79
 Terphenyl-d14
 Concen: 78.865 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143481.D
 Acq: 20 Aug 2025 12:53

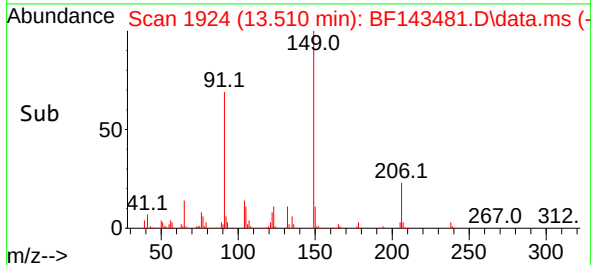
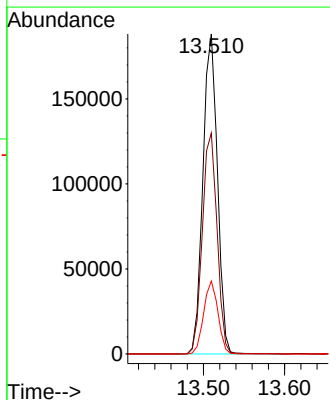
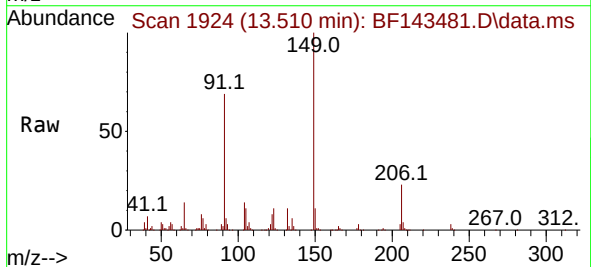
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

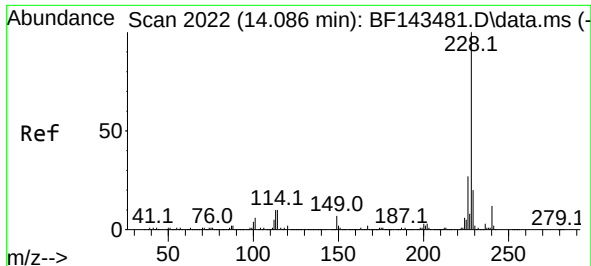
Tgt Ion:244 Resp: 1129659
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 9.9 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 41.552 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: BF143481.D
 Acq: 20 Aug 2025 12:53

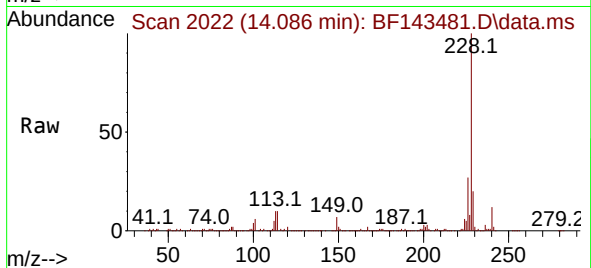
Tgt Ion:149 Resp: 233397
 Ion Ratio Lower Upper
 149 100
 91 69.1 55.3 82.9
 206 22.8 18.2 27.4



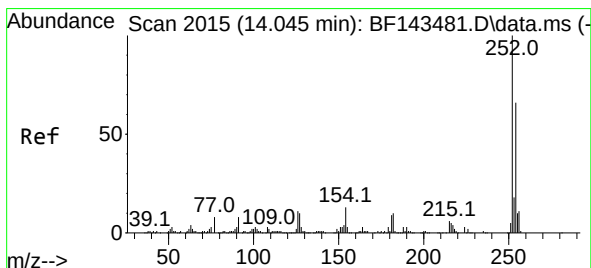
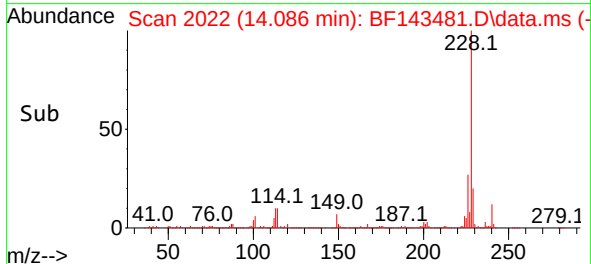
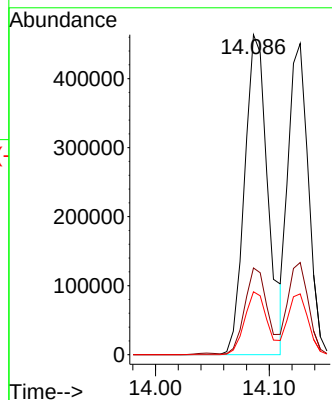


#81
Benzo(a)anthracene
Concen: 40.938 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

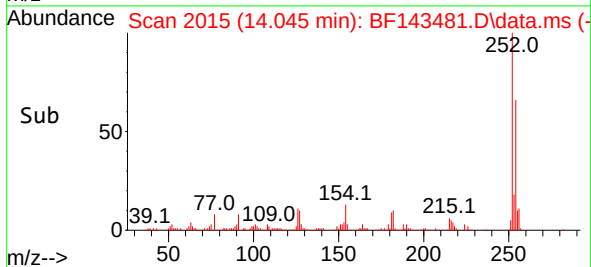
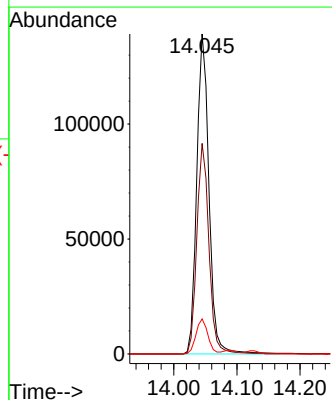
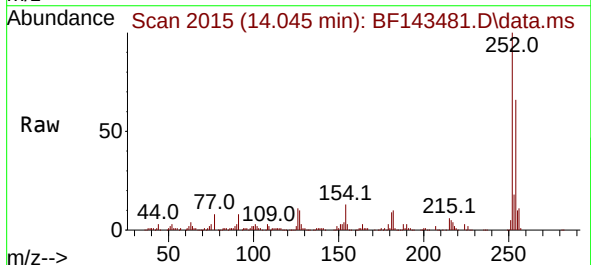


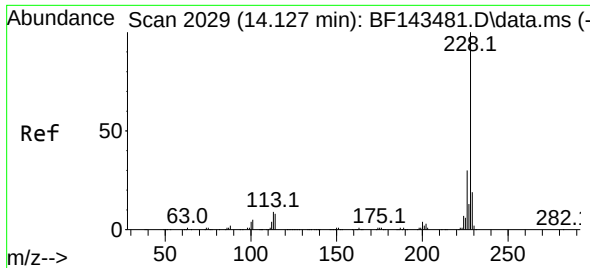
Tgt Ion:228 Resp: 658804
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.6 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 40.425 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:252 Resp: 186301
Ion Ratio Lower Upper
252 100
254 65.8 52.6 79.0
126 10.9 8.7 13.1

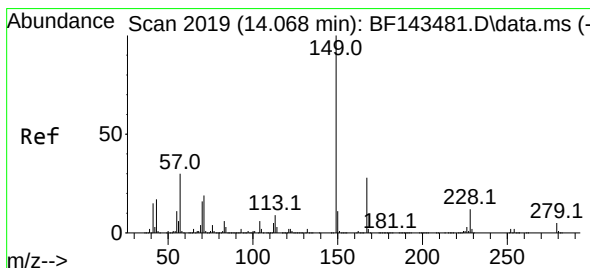
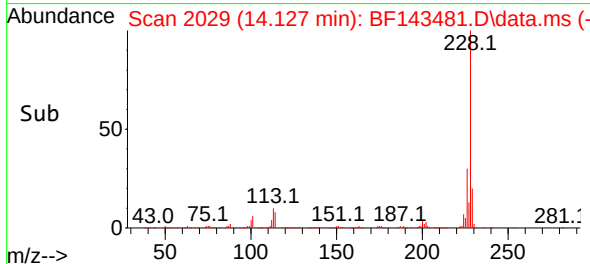
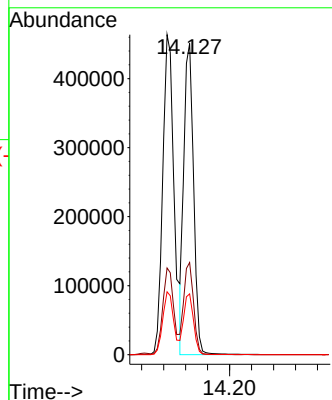
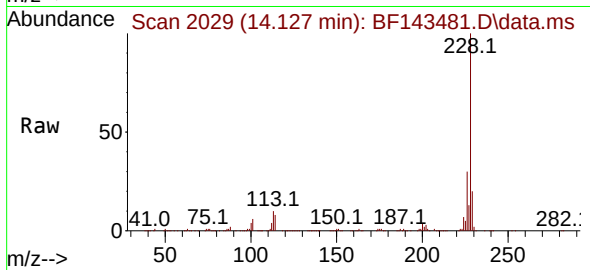




#83
Chrysene
Concen: 38.482 ng
RT: 14.127 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

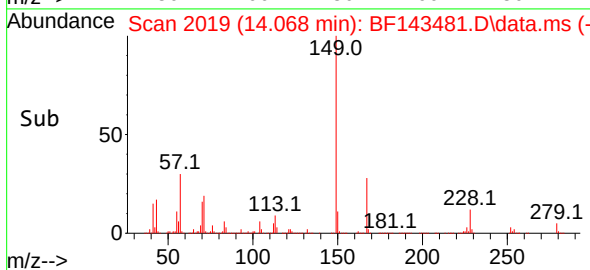
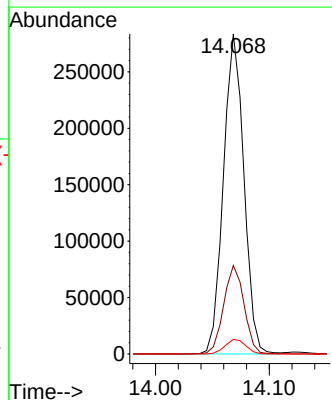
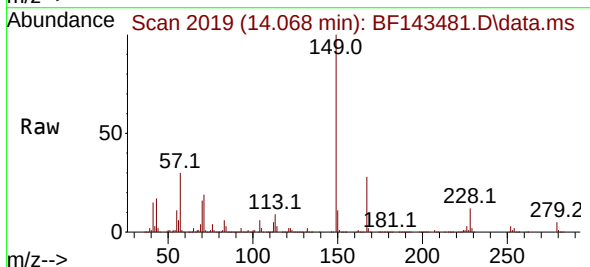
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

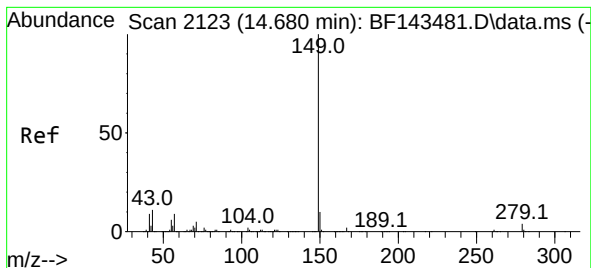
Tgt Ion:228 Resp: 556527
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 19.6 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.471 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:149 Resp: 354779
Ion Ratio Lower Upper
149 100
167 27.7 22.2 33.2
279 4.5 3.6 5.4

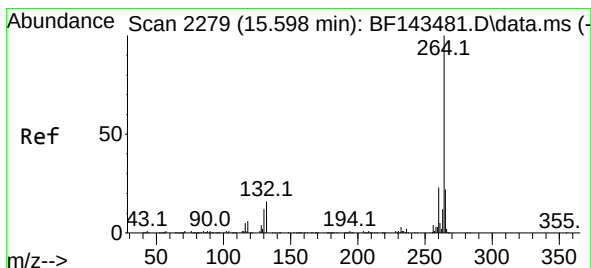
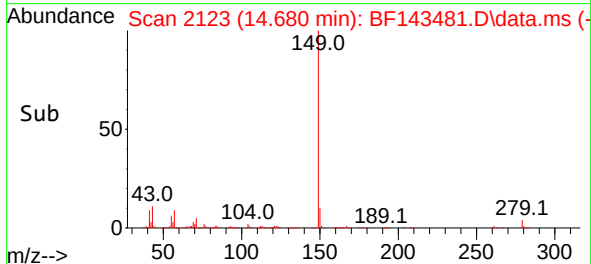
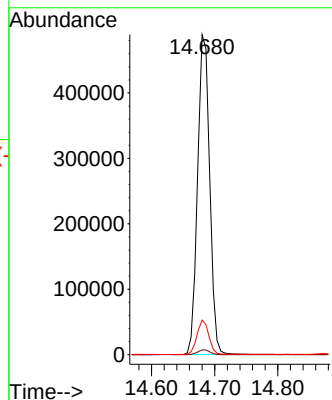
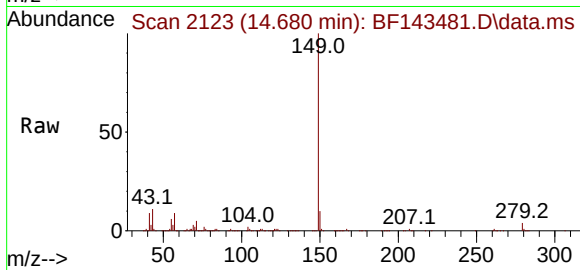




#85
Di-n-octyl phthalate
Concen: 40.959 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

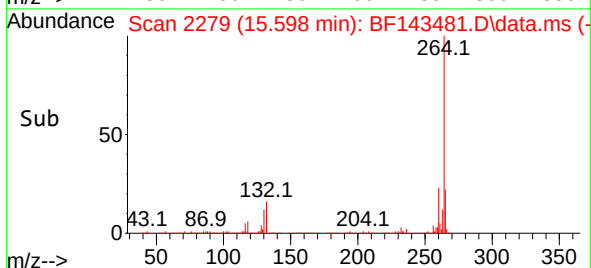
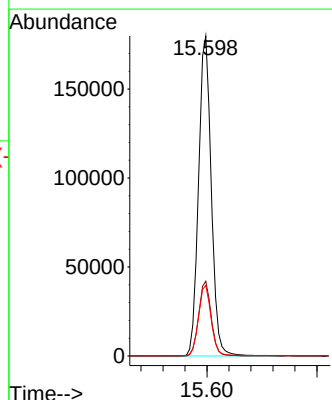
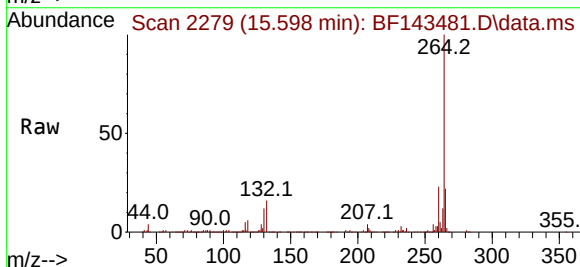
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

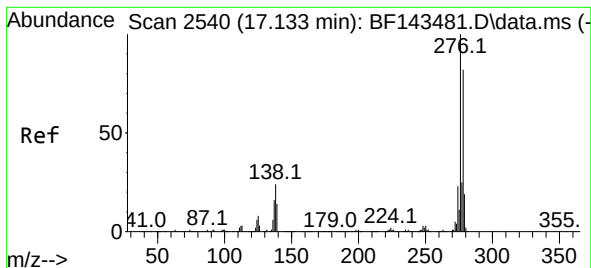
Tgt Ion:149 Resp: 649137
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.6 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:264 Resp: 288139
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 22.0 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.334 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

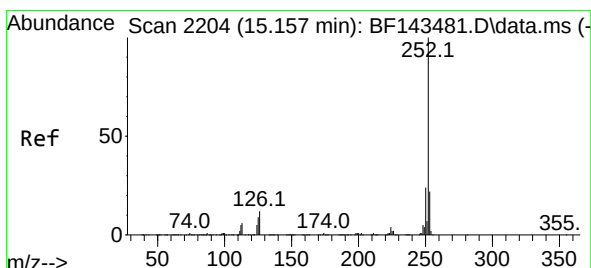
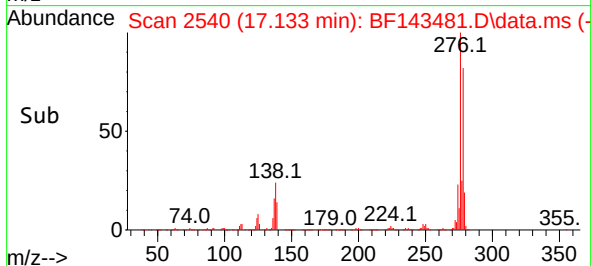
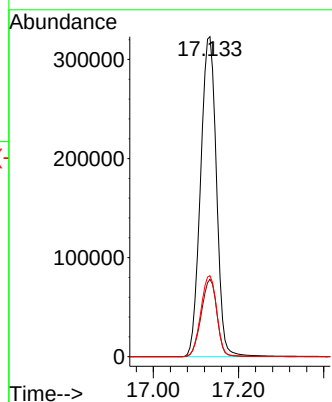
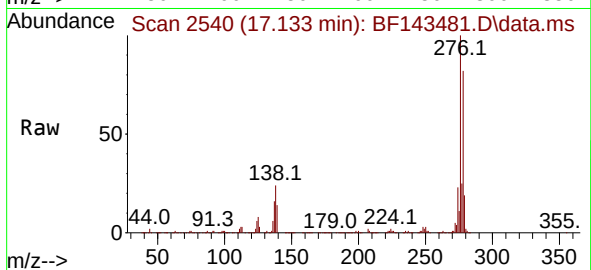
Tgt Ion:276 Resp: 835150

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 38.627 ng

RT: 15.157 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

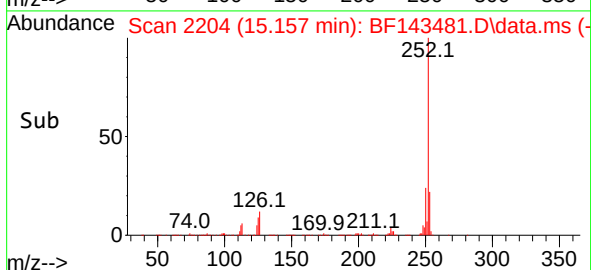
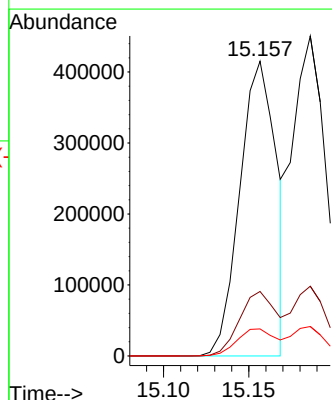
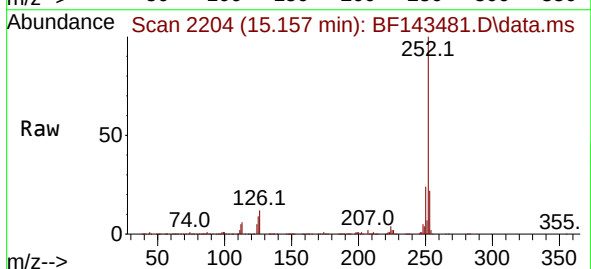
Tgt Ion:252 Resp: 618677

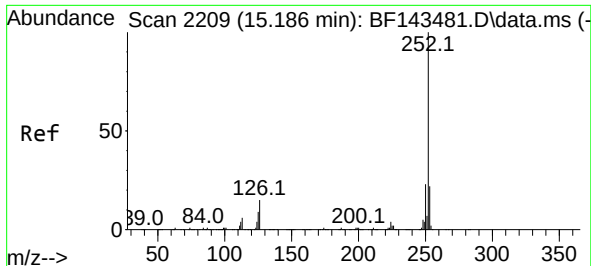
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.2 7.4 11.0

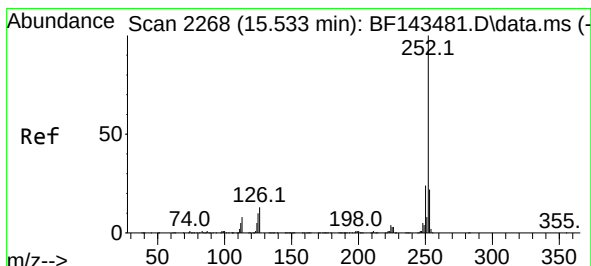
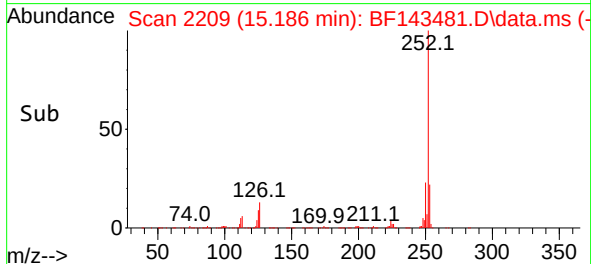
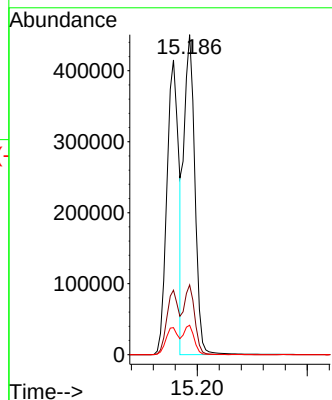
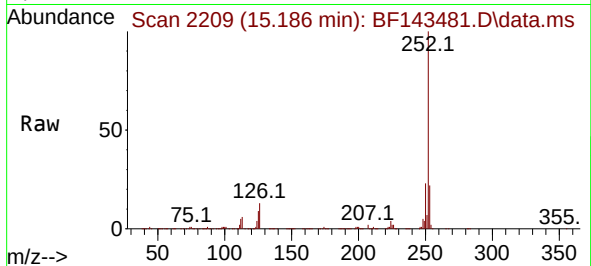




#89
Benzo(k)fluoranthene
Concen: 40.628 ng
RT: 15.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

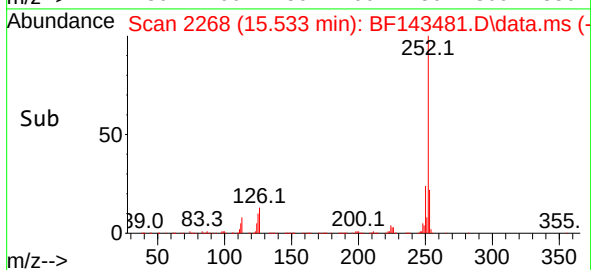
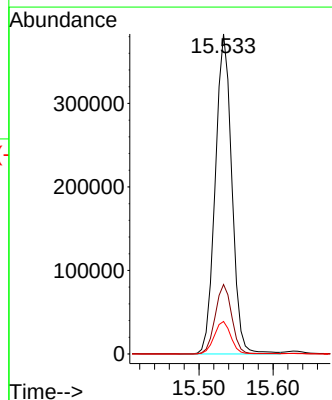
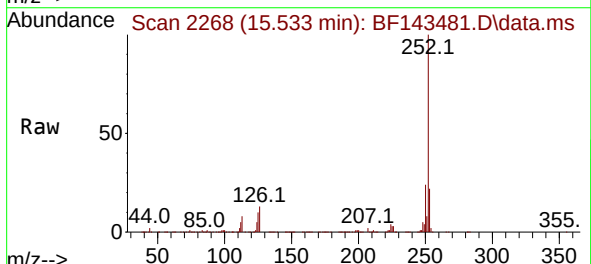
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

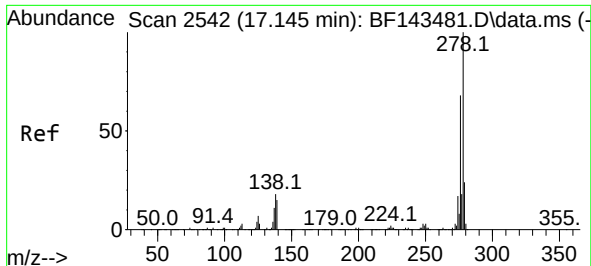
Tgt Ion:252 Resp: 623043
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 9.2 7.4 11.0



#90
Benzo(a)pyrene
Concen: 39.996 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:252 Resp: 594623
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 10.2 8.2 12.2

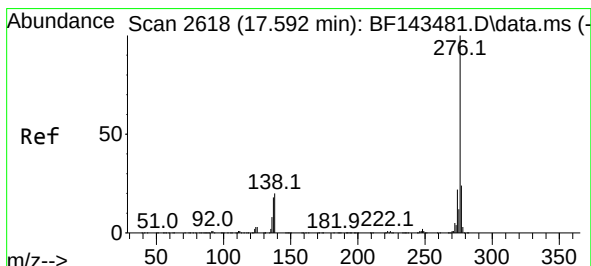
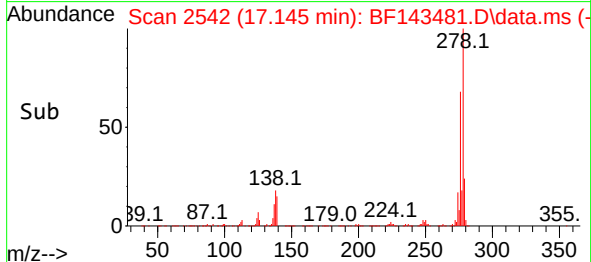
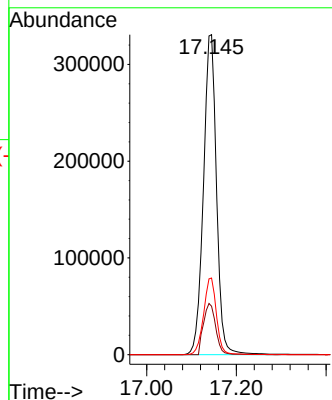
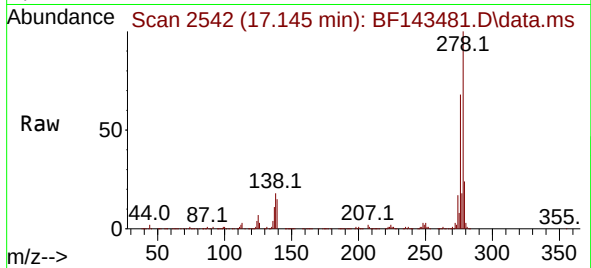




#91
 Dibenzo(a,h)anthracene
 Concen: 40.370 ng
 RT: 17.145 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF143481.D
 Acq: 20 Aug 2025 12:53

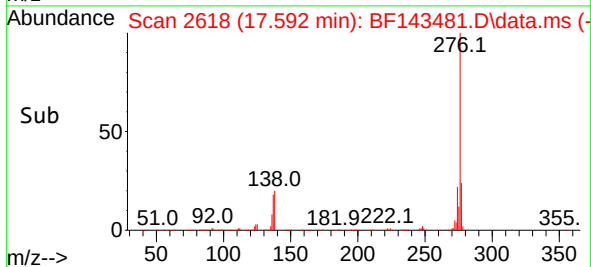
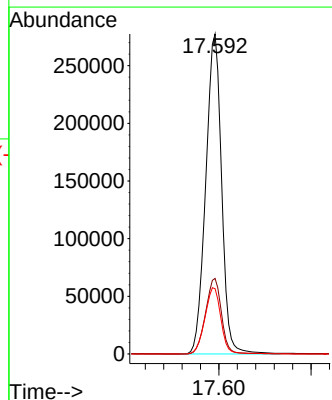
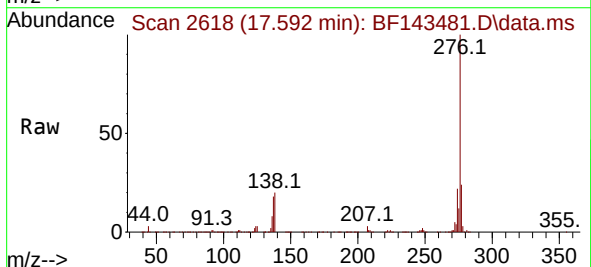
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Tgt Ion:278 Resp: 669452
 Ion Ratio Lower Upper
 278 100
 139 15.1 12.1 18.1
 279 24.0 19.2 28.8



#92
 Benzo(g,h,i)perylene
 Concen: 40.417 ng
 RT: 17.592 min Scan# 2618
 Delta R.T. -0.012 min
 Lab File: BF143481.D
 Acq: 20 Aug 2025 12:53

Tgt Ion:276 Resp: 666442
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.9 28.3
 138 20.4 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143482.D
 Acq On : 20 Aug 2025 13:22
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 20 16:23:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	136821	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	508977	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	274766	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	422398	20.000	ng	0.00
76) Chrysene-d12	14.098	240	244315	20.000	ng	0.00
86) Perylene-d12	15.598	264	288719	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	743545	94.894	ng	0.00
7) Phenol-d6	6.569	99	917735	94.880	ng	0.00
23) Nitrobenzene-d5	7.492	82	851921	97.674	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	248877	97.306	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1518897	91.359	ng	0.00
79) Terphenyl-d14	13.039	244	1336561	95.465	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	177472	48.893	ng	99
3) Pyridine	3.516	79	475201	49.153	ng	99
4) n-Nitrosodimethylamine	3.463	42	216544	49.825	ng	98
6) Aniline	6.592	93	615592	47.614	ng	93
8) 2-Chlorophenol	6.722	128	420515	48.589	ng	98
9) Benzaldehyde	6.481	77	387617	49.497	ng	99
10) Phenol	6.581	94	531465	47.696	ng	98
11) bis(2-Chloroethyl)ether	6.663	93	400326	48.077	ng	98
12) 1,3-Dichlorobenzene	6.869	146	460100	47.316	ng	99
13) 1,4-Dichlorobenzene	6.945	146	463354	47.503	ng	99
14) 1,2-Dichlorobenzene	7.098	146	440736	47.724	ng	100
15) Benzyl Alcohol	7.069	79	355789	49.130	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	617519	46.354	ng	95
17) 2-Methylphenol	7.187	107	333608	48.029	ng	98
18) Hexachloroethane	7.439	117	157972	47.633	ng	97
19) n-Nitroso-di-n-propyla...	7.339	70	273528	46.266	ng	98
20) 3+4-Methylphenols	7.339	107	391106	47.167	ng	96
22) Acetophenone	7.339	105	511600	46.526	ng	# 99
24) Nitrobenzene	7.510	77	443345	49.387	ng	100
25) Isophorone	7.751	82	773853	48.401	ng	99
26) 2-Nitrophenol	7.828	139	222383	50.572	ng	100
27) 2,4-Dimethylphenol	7.863	122	333188	48.606	ng	98
28) bis(2-Chloroethoxy)met...	7.957	93	472331	48.070	ng	99
29) 2,4-Dichlorophenol	8.075	162	358054	48.908	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	358839	47.673	ng	99
31) Naphthalene	8.234	128	1154068	47.228	ng	100
32) Benzoic acid	7.992	122	194231	49.619	ng	97
33) 4-Chloroaniline	8.281	127	421648	48.617	ng	99
34) Hexachlorobutadiene	8.351	225	236186	48.095	ng	100
35) Caprolactam	8.657	113	90192	51.340	ng	98
36) 4-Chloro-3-methylphenol	8.763	107	355809	48.497	ng	99
37) 2-Methylnaphthalene	8.922	142	763368	46.774	ng	100
38) 1-Methylnaphthalene	9.022	142	734490	47.049	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	373639	47.541	ng	100
41) Hexachlorocyclopentadiene	9.081	237	141023	48.905	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	241322	49.900	ng	99

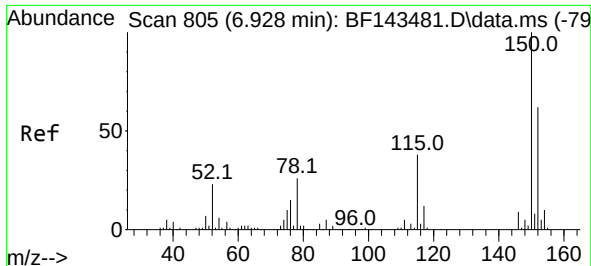
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 Data File : BF143482.D
 Acq On : 20 Aug 2025 13:22
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 20 16:23:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

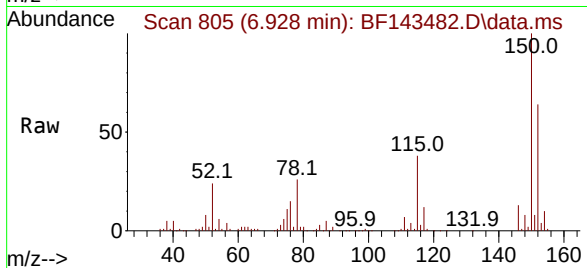
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	259061	49.041	ng	98
46) 1,1'-Biphenyl	9.386	154	917350	47.038	ng	100
47) 2-Chloronaphthalene	9.416	162	725620	47.420	ng	99
48) 2-Nitroaniline	9.510	65	226106	50.489	ng	94
49) Acenaphthylene	9.828	152	1041531	47.536	ng	100
50) Dimethylphthalate	9.681	163	795814	48.090	ng	100
51) 2,6-Dinitrotoluene	9.745	165	178703	52.104	ng	100
52) Acenaphthene	10.004	154	712642	47.905	ng	100
53) 3-Nitroaniline	9.916	138	187598	50.620	ng	99
54) 2,4-Dinitrophenol	10.028	184	90529	51.384	ng	100
55) Dibenzofuran	10.175	168	1003468	47.313	ng	100
56) 4-Nitrophenol	10.086	139	121261	54.991	ng	98
57) 2,4-Dinitrotoluene	10.151	165	236039	51.542	ng	99
58) Fluorene	10.516	166	763347	46.763	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	202049	51.483	ng	99
60) Diethylphthalate	10.380	149	723386	48.756	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	383570	46.985	ng	100
62) 4-Nitroaniline	10.533	138	175033	51.418	ng	99
63) Azobenzene	10.669	77	742238	48.247	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	126533	53.128	ng	98
66) n-Nitrosodiphenylamine	10.622	169	649619	47.789	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	242477	48.112	ng	99
68) Hexachlorobenzene	11.069	284	261883	48.206	ng	98
69) Atrazine	11.145	200	180342	51.394	ng	99
70) Pentachlorophenol	11.263	266	133776	53.767	ng	100
71) Phenanthrene	11.480	178	1071808	47.383	ng	100
72) Anthracene	11.533	178	1079686	47.117	ng	100
73) Carbazole	11.686	167	896352	47.738	ng	99
74) Di-n-butylphthalate	12.010	149	879812	50.228	ng	99
75) Fluoranthene	12.669	202	964831	47.536	ng	99
77) Benzidine	12.786	184	238772	40.122	ng	100
78) Pyrene	12.898	202	970991	48.316	ng	100
80) Butylbenzylphthalate	13.510	149	281664	51.304	ng	99
81) Benzo(a)anthracene	14.086	228	773434	49.172	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	216024	47.957	ng	98
83) Chrysene	14.127	228	665070	47.050	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	421199	50.372	ng	100
85) Di-n-octyl phthalate	14.680	149	764123	49.329	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	1030025	49.646	ng	100
88) Benzo(b)fluoranthene	15.157	252	763584	47.579	ng	100
89) Benzo(k)fluoranthene	15.186	252	746332	48.570	ng	100
90) Benzo(a)pyrene	15.533	252	728853	48.927	ng	100
91) Dibenzo(a,h)anthracene	17.145	278	824368	49.612	ng	100
92) Benzo(g,h,i)perylene	17.592	276	826803	50.042	ng	99

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

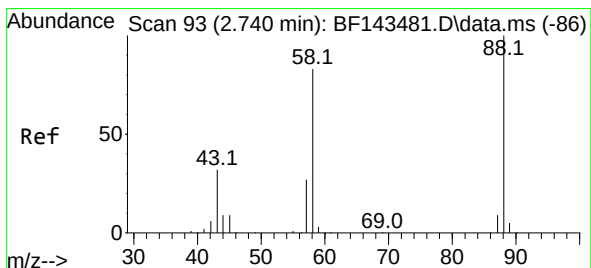
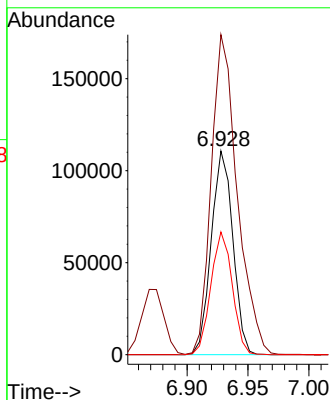
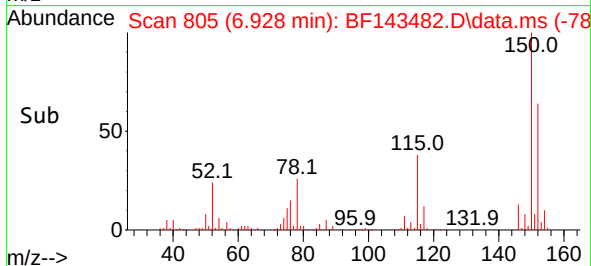


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

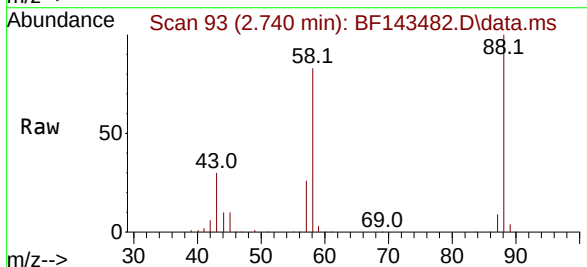
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



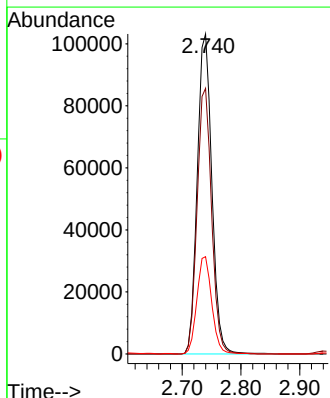
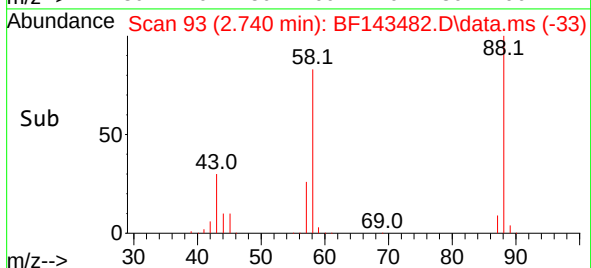
Tgt Ion:152 Resp: 136821
Ion Ratio Lower Upper
152 100
150 157.1 128.9 193.3
115 60.2 49.2 73.8

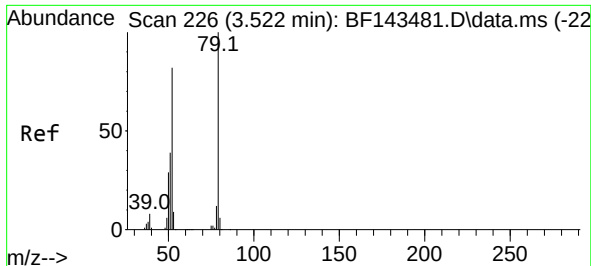


#2
1,4-Dioxane
Concen: 48.893 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22



Tgt Ion: 88 Resp: 177472
Ion Ratio Lower Upper
88 100
58 82.6 66.7 100.1
43 31.1 25.8 38.8





#3

Pyridine

Concen: 49.153 ng

RT: 3.516 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

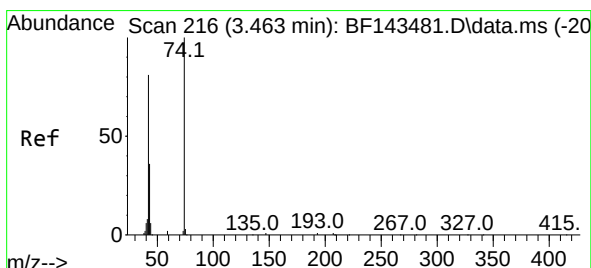
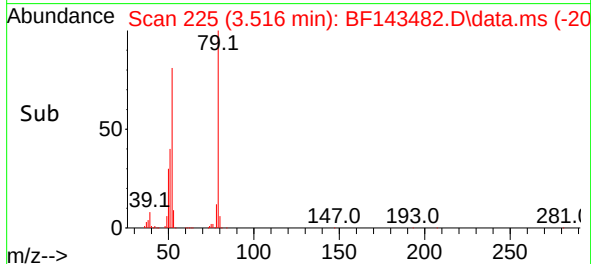
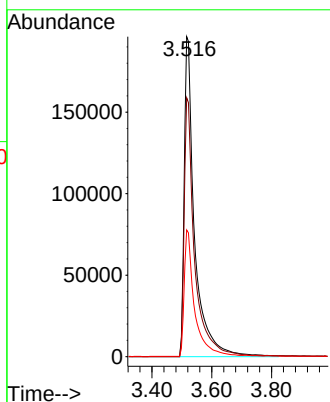
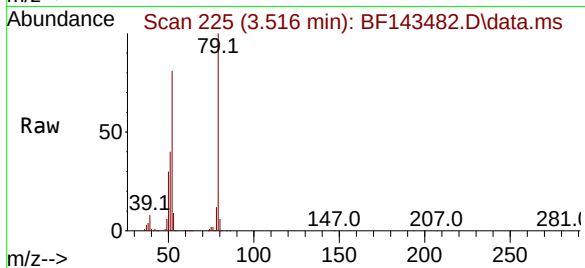
Tgt Ion: 79 Resp: 475201

Ion Ratio Lower Upper

79 100

52 80.9 65.6 98.4

51 39.6 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 49.825 ng

RT: 3.463 min Scan# 216

Delta R.T. -0.012 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

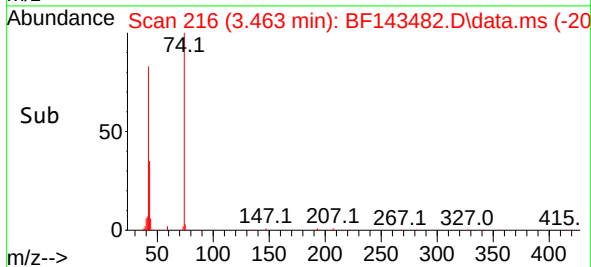
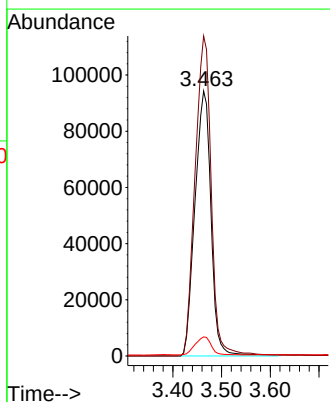
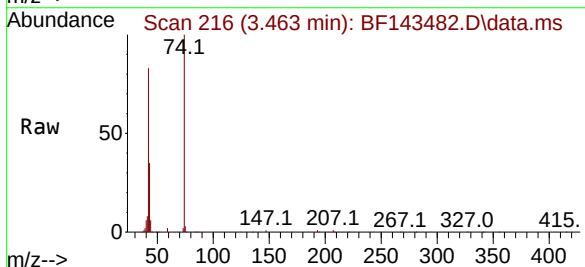
Tgt Ion: 42 Resp: 216544

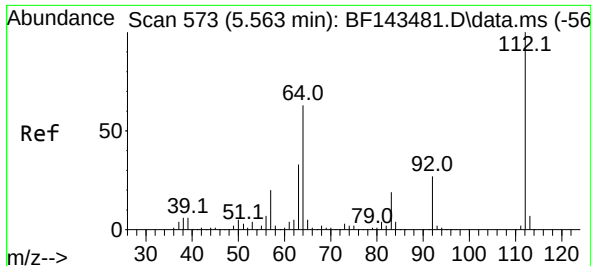
Ion Ratio Lower Upper

42 100

74 120.7 98.6 148.0

44 7.2 5.8 8.8

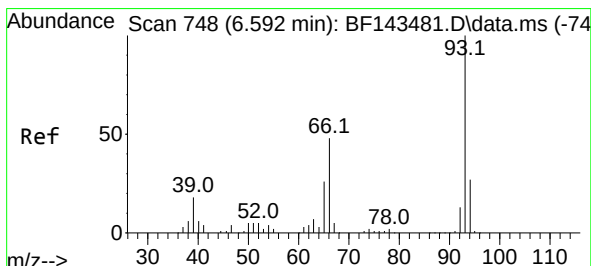
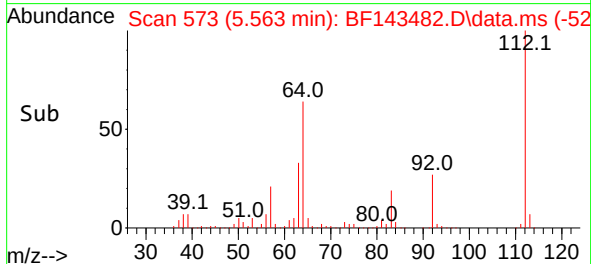
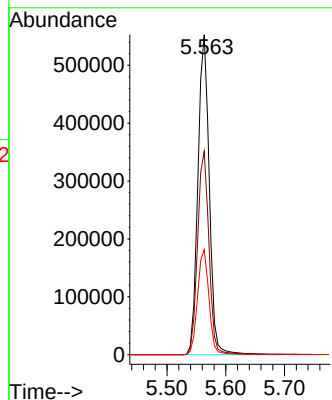
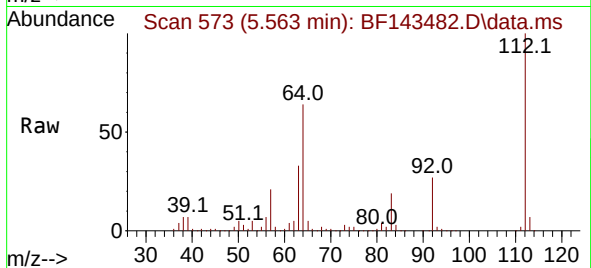




#5
2-Fluorophenol
Concen: 94.894 ng
RT: 5.563 min Scan# 511
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

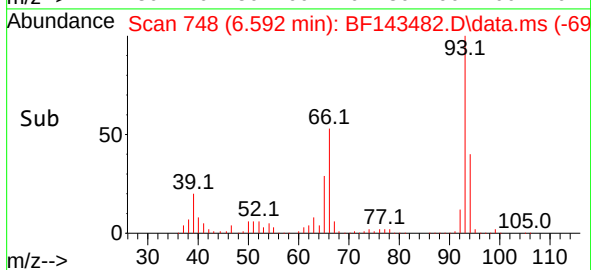
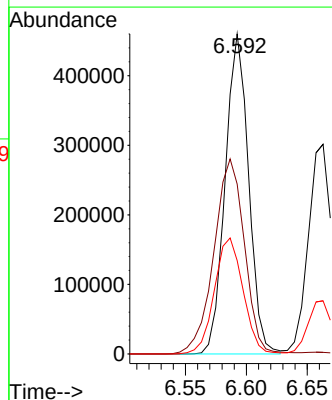
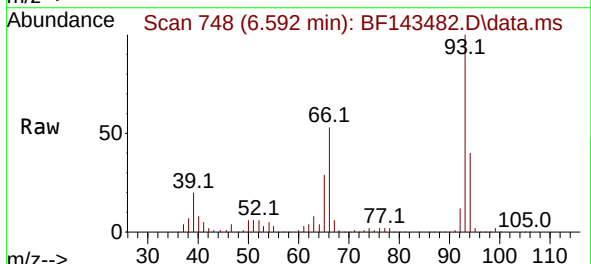
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

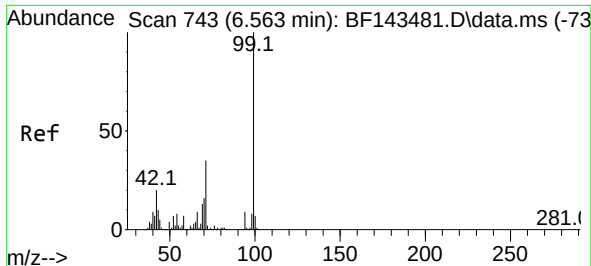
Tgt Ion:112 Resp: 743545
Ion Ratio Lower Upper
112 100
64 63.5 50.4 75.6
63 32.9 26.4 39.6



#6
Aniline
Concen: 47.614 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 93 Resp: 615592
Ion Ratio Lower Upper
93 100
66 53.1 38.9 58.3
65 29.2 20.6 30.8

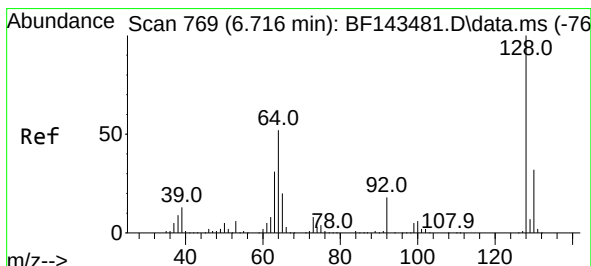
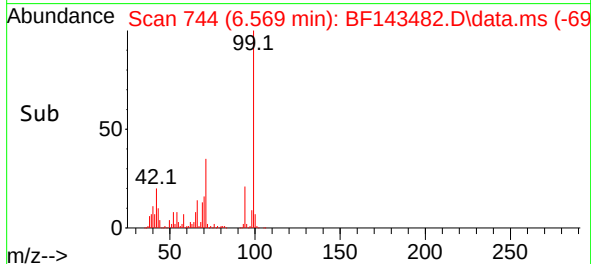
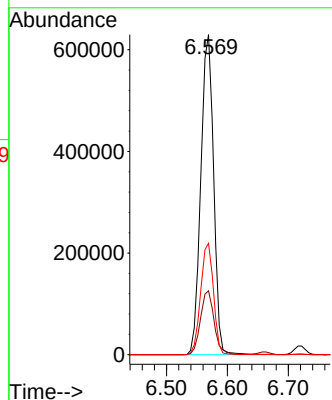
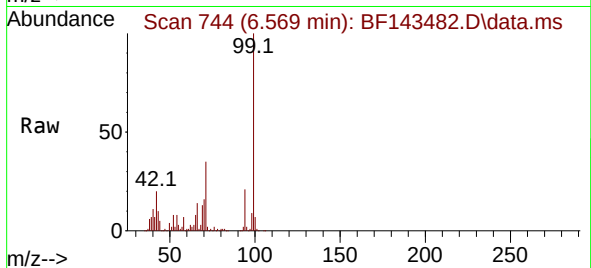




#7
Phenol-d6
Concen: 94.880 ng
RT: 6.569 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

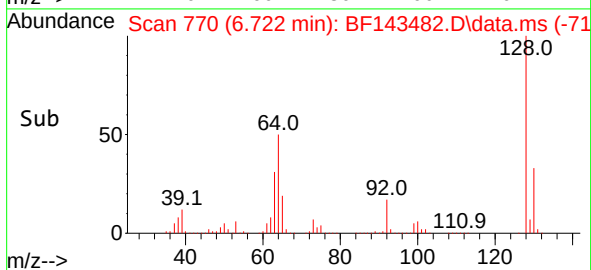
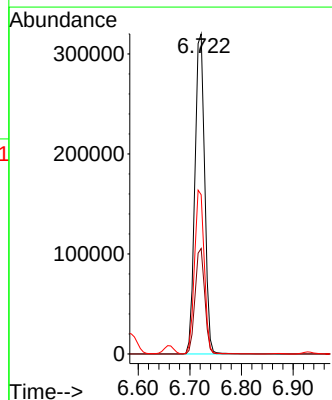
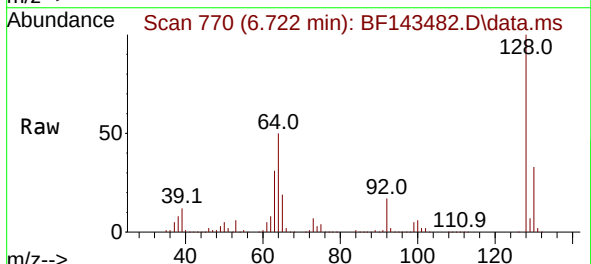
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ClientSampleId :
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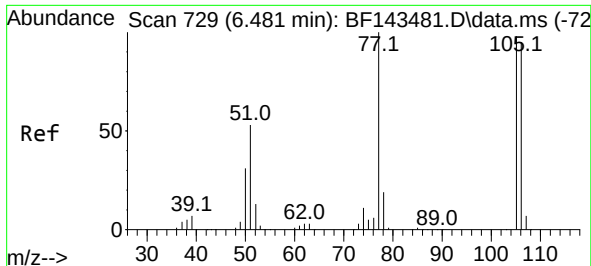
Tgt Ion: 99 Resp: 917735
Ion Ratio Lower Upper
99 100
42 19.9 16.3 24.5
71 34.8 28.2 42.2



#8
2-Chlorophenol
Concen: 48.589 ng
RT: 6.722 min Scan# 770
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 128 Resp: 420515
Ion Ratio Lower Upper
128 100
130 32.9 12.4 52.4
64 49.8 31.6 71.6

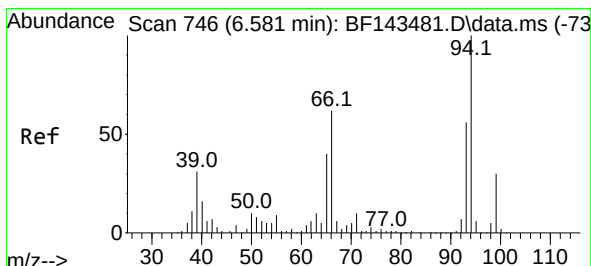
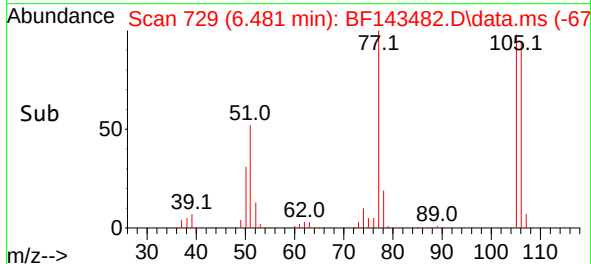
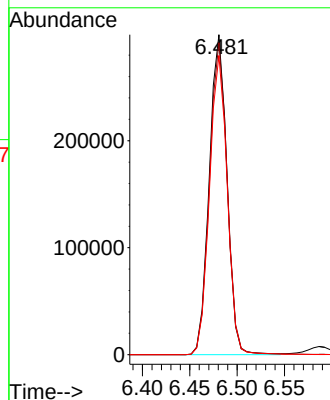
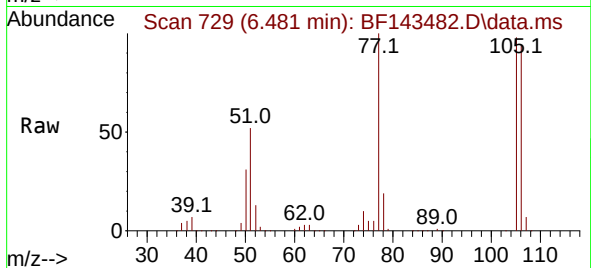




#9
Benzaldehyde
Concen: 49.497 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

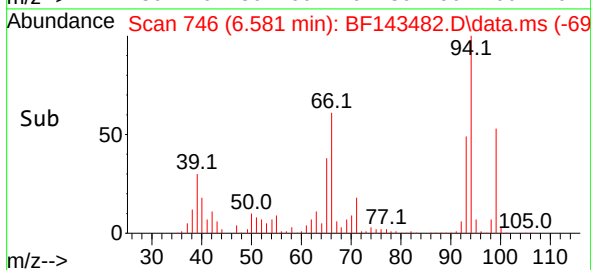
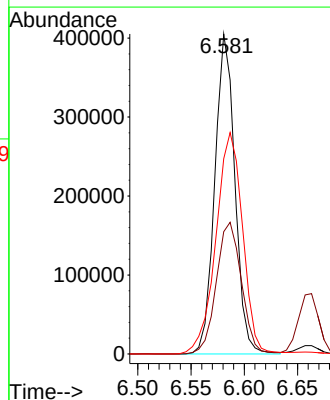
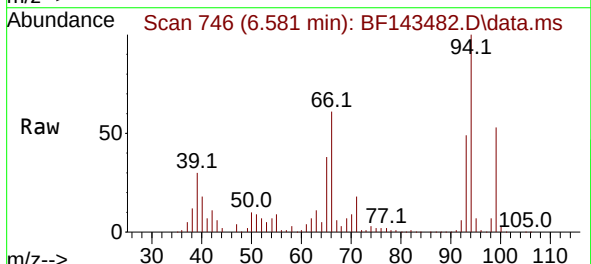
Instrument :
BNA_F
ClientSampleId :
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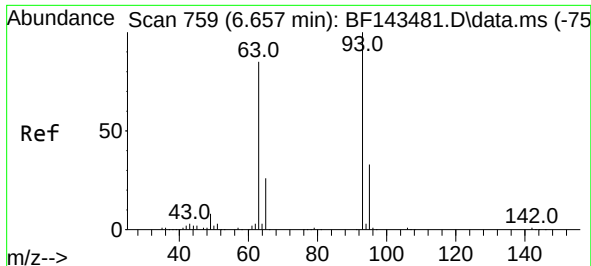
Tgt Ion: 77 Resp: 387617
Ion Ratio Lower Upper
77 100
105 97.5 78.1 118.1
106 93.5 74.9 114.9



#10
Phenol
Concen: 47.696 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 94 Resp: 531465
Ion Ratio Lower Upper
94 100
65 38.2 19.5 59.5
66 61.0 42.5 82.5



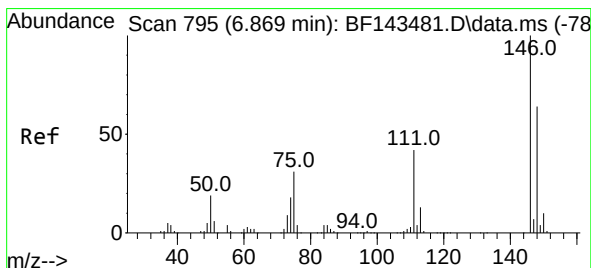
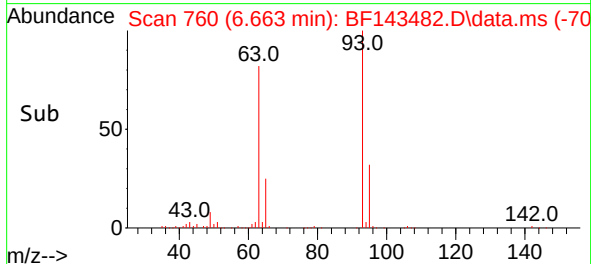
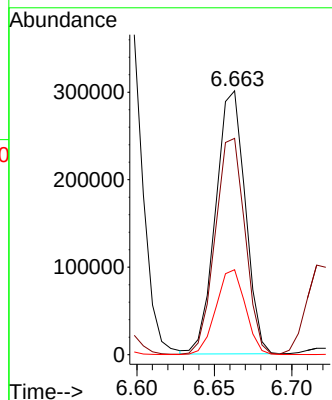
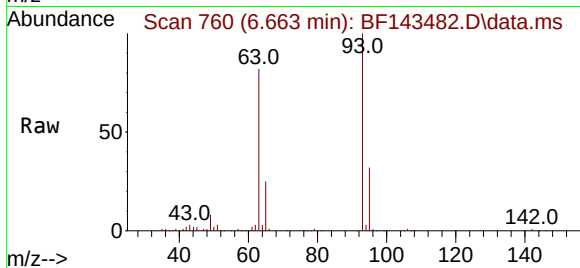


#11
 bis(2-Chloroethyl)ether
 Concen: 48.077 ng
 RT: 6.663 min Scan# 759
 Delta R.T. -0.000 min
 Lab File: BF143482.D
 Acq: 20 Aug 2025 13:22

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Tgt Ion: 93 Resp: 400326

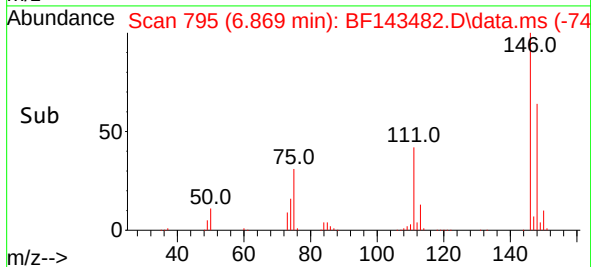
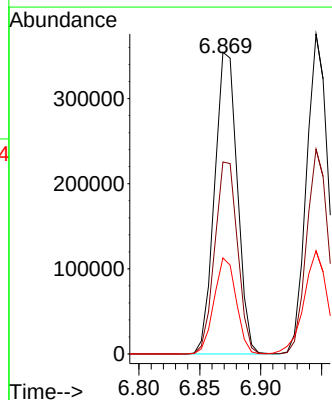
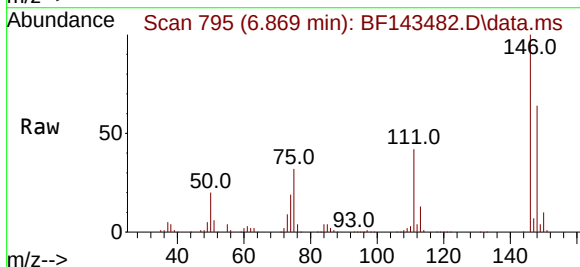
Ion	Ratio	Lower	Upper
93	100		
63	82.0	63.6	103.6
95	32.2	12.8	52.8

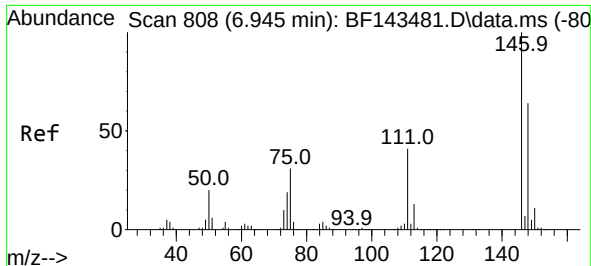


#12
 1,3-Dichlorobenzene
 Concen: 47.316 ng
 RT: 6.869 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF143482.D
 Acq: 20 Aug 2025 13:22

Tgt Ion: 146 Resp: 460100

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.3	76.9
75	31.8	24.7	37.1





#13

1,4-Dichlorobenzene

Concen: 47.503 ng

RT: 6.945 min Scan# 808

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

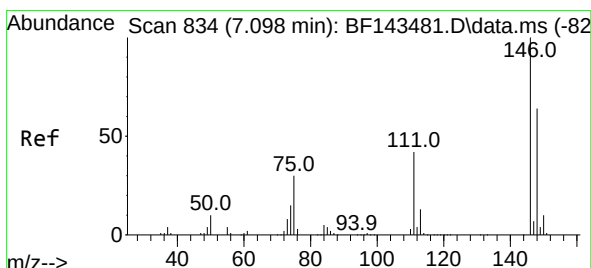
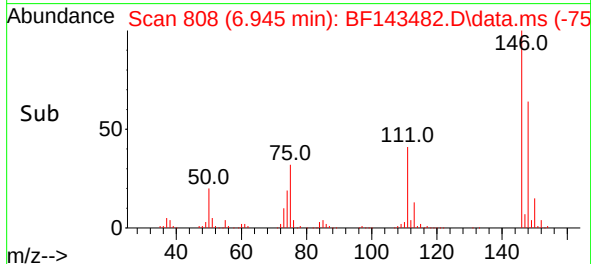
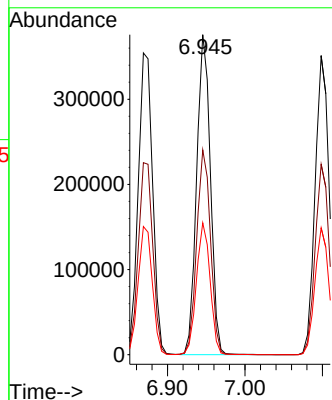
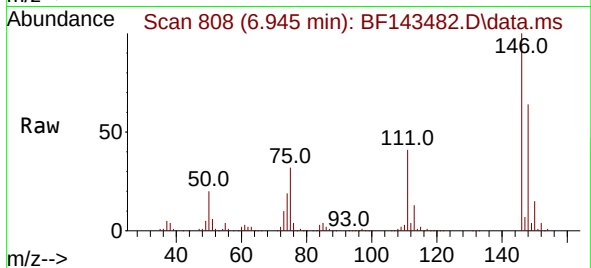
Tgt Ion:146 Resp: 463354

Ion Ratio Lower Upper

146 100

148 64.0 51.5 77.3

111 41.2 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 47.724 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

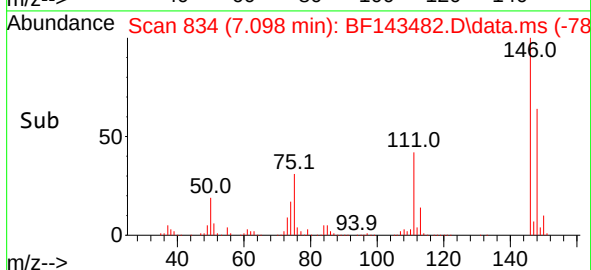
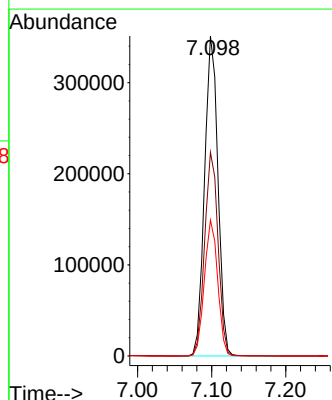
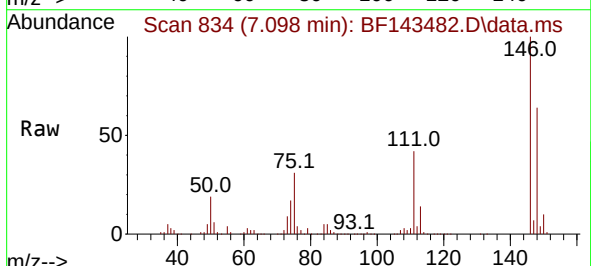
Tgt Ion:146 Resp: 440736

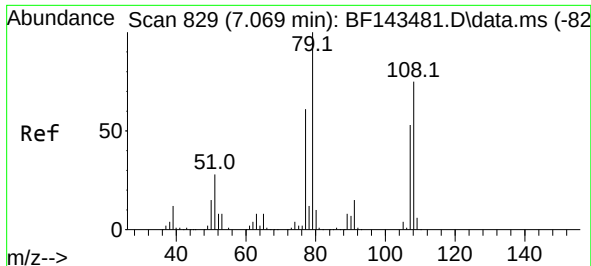
Ion Ratio Lower Upper

146 100

148 63.7 51.0 76.6

111 42.4 34.0 51.0

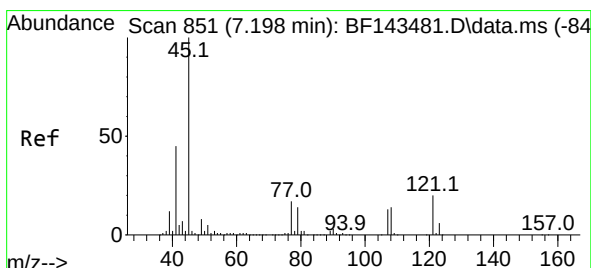
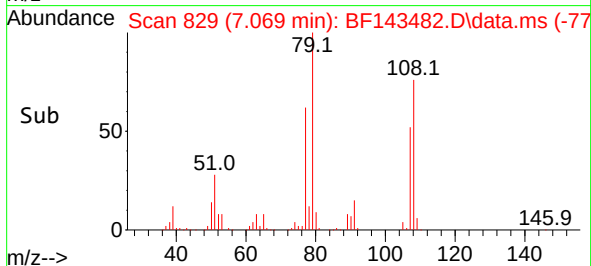
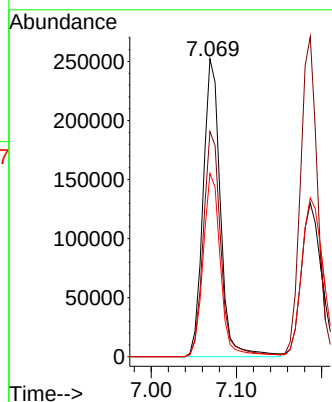
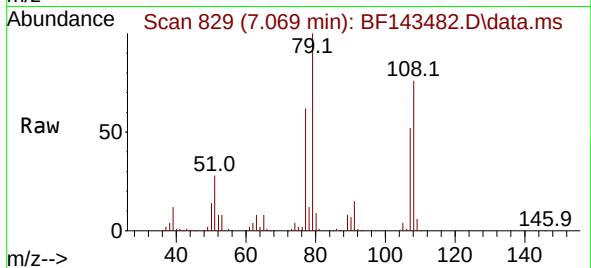




#15
Benzyl Alcohol
Concen: 49.130 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

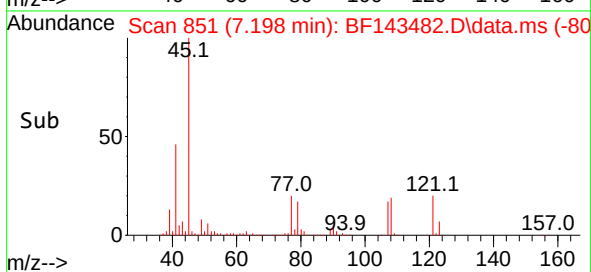
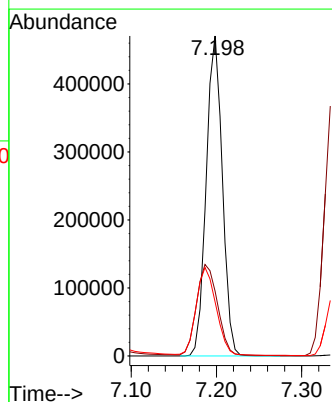
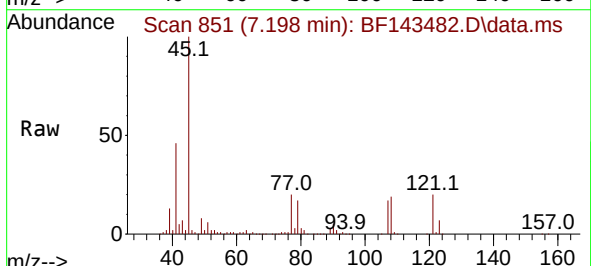
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

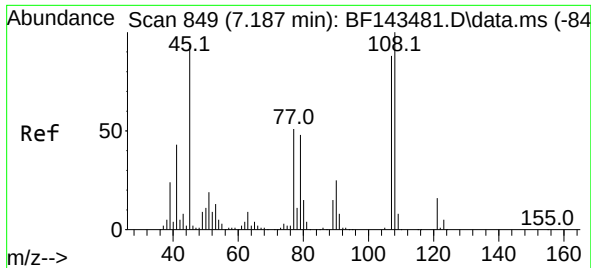
Tgt Ion: 79 Resp: 355789
Ion Ratio Lower Upper
79 100
108 75.6 59.8 89.6
77 61.5 49.0 73.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 46.354 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 45 Resp: 617519
Ion Ratio Lower Upper
45 100
77 20.2 0.0 37.9
79 16.9 0.0 34.7

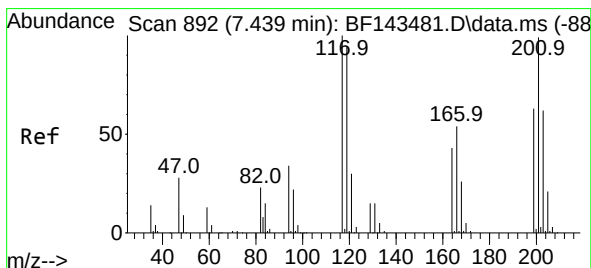
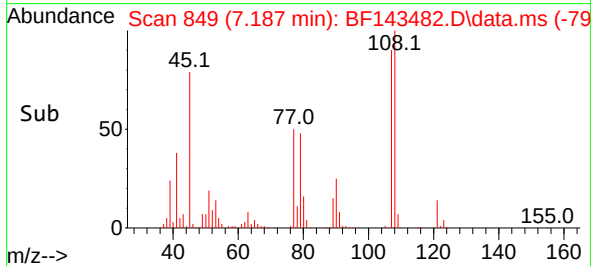
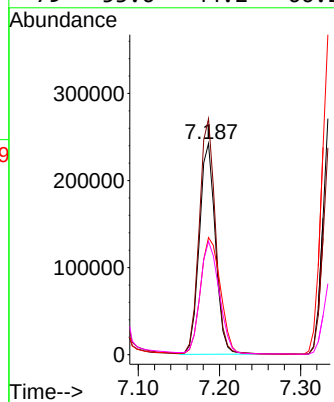
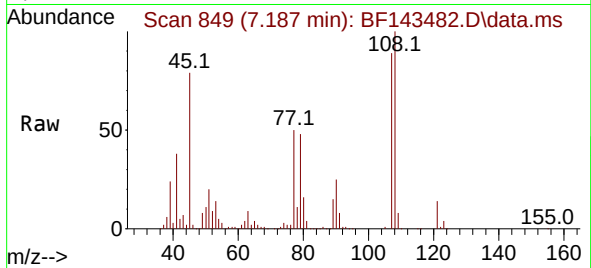




#17
2-Methylphenol
Concen: 48.029 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

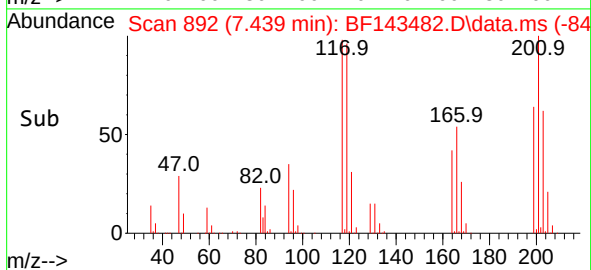
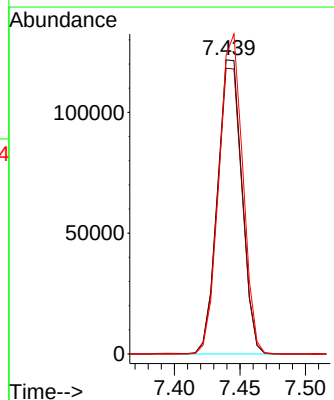
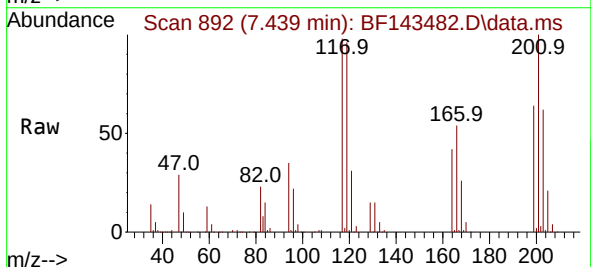
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

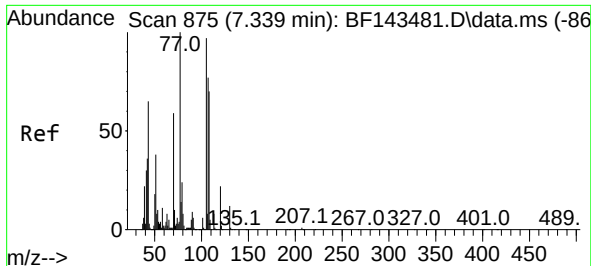
Tgt Ion:	107	Resp:	333608
Ion	Ratio	Lower	Upper
107	100		
108	111.7	91.1	136.7
77	55.4	46.2	69.4
79	53.6	44.2	66.2



#18
Hexachloroethane
Concen: 47.633 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:	117	Resp:	157972
Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.4	113.0
201	101.6	79.0	118.4



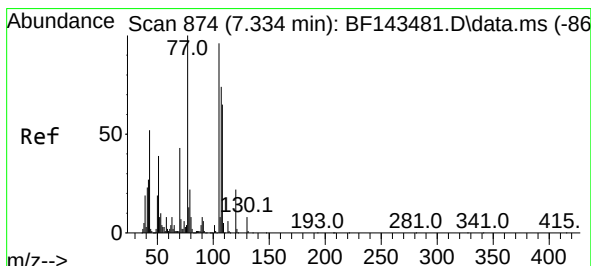
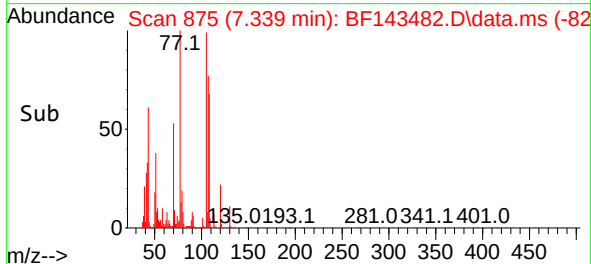
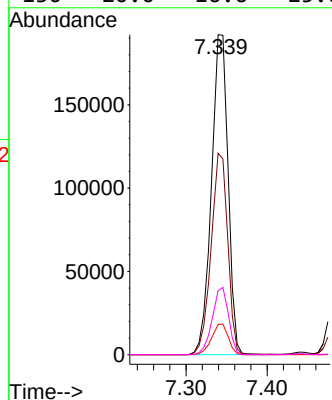
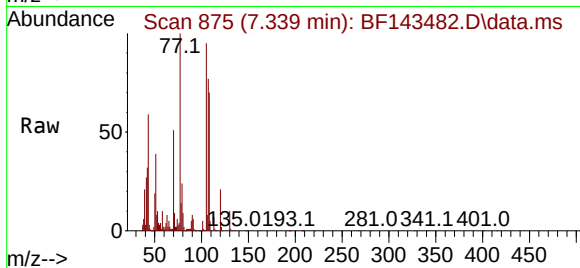


#19
n-Nitroso-di-n-propylamine
Concen: 46.266 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 273528

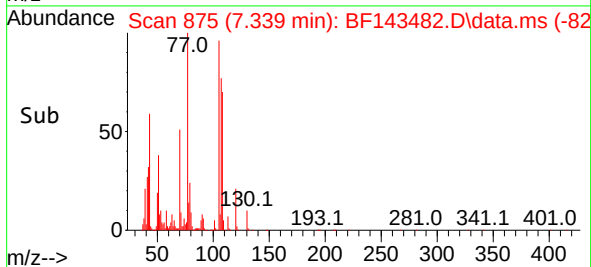
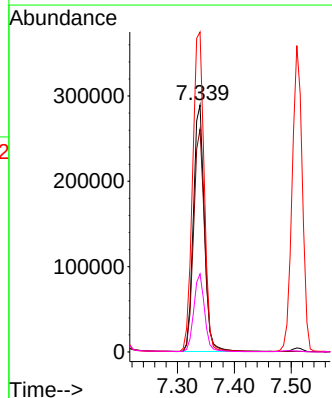
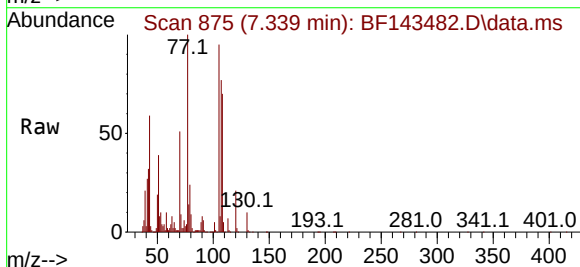
Ion	Ratio	Lower	Upper
70	100		
42	62.9	49.3	73.9
101	9.5	7.8	11.8
130	20.0	16.6	25.0

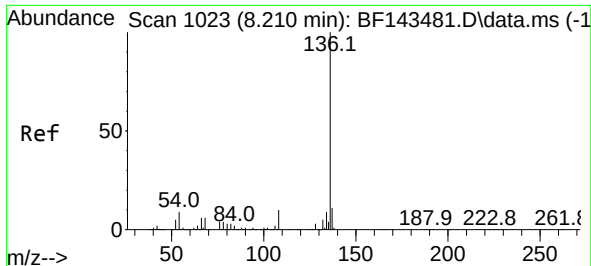


#20
3+4-Methylphenols
Concen: 47.167 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 107 Resp: 391106

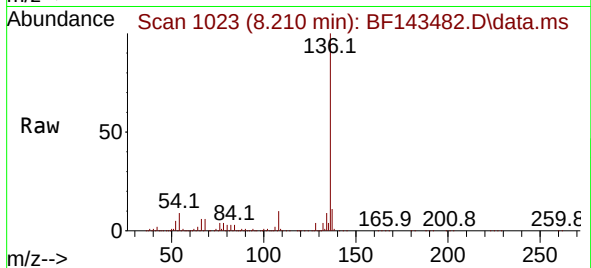
Ion	Ratio	Lower	Upper
107	100		
108	90.2	68.4	108.4
77	129.6	116.1	156.1
79	31.6	9.8	49.8



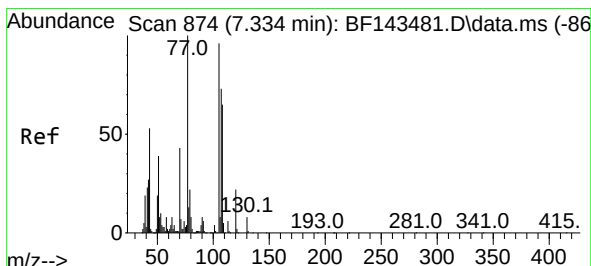
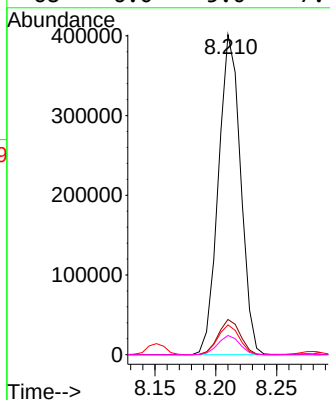
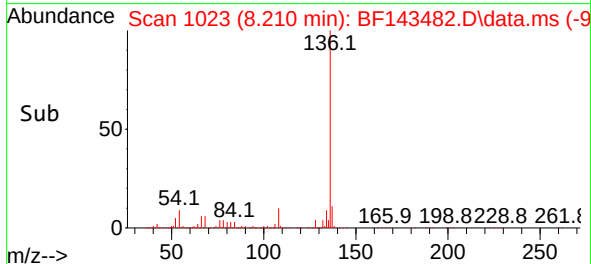


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

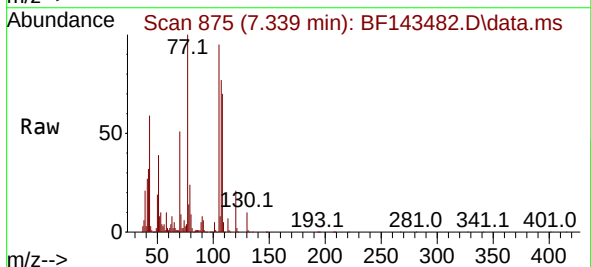
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



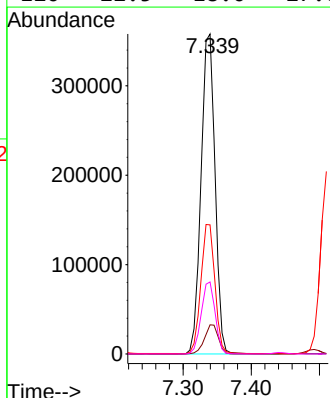
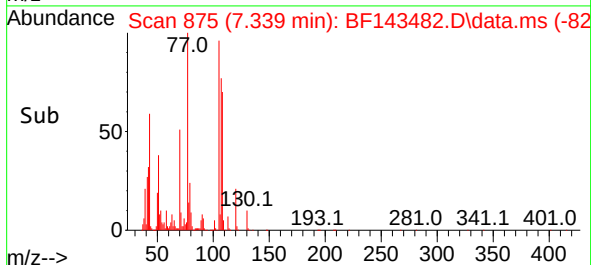
Tgt Ion:	136	Resp:	508977
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	9.3	7.4	11.2
68	6.0	5.0	7.4

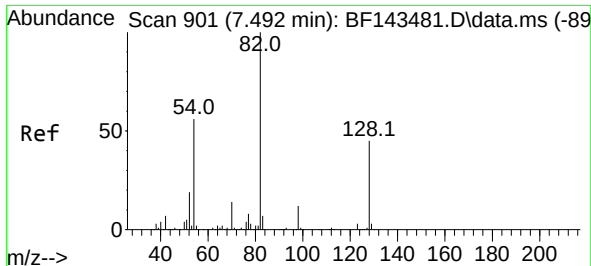


#22
Acetophenone
Concen: 46.526 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22



Tgt Ion:	105	Resp:	511600
Ion Ratio	Lower	Upper	
105	100		
71	9.1	5.9	8.9
51	40.3	32.5	48.7
120	22.5	18.0	27.0





#23

Nitrobenzene-d5

Concen: 97.674 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143482.D

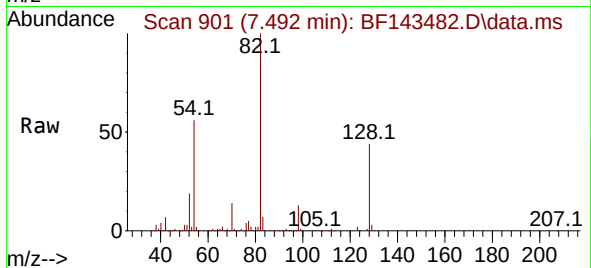
Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



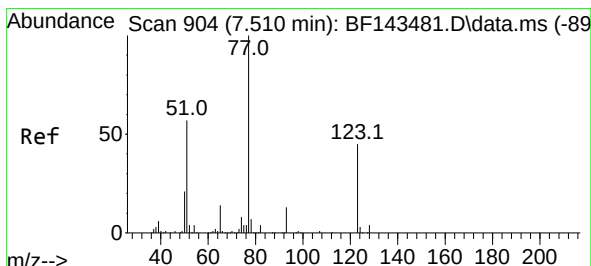
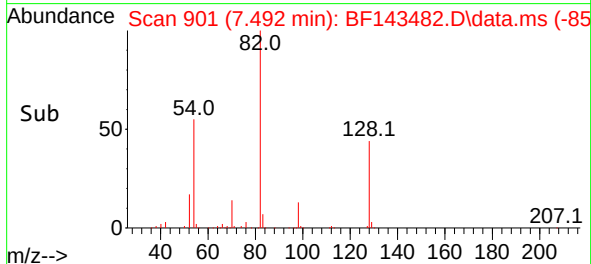
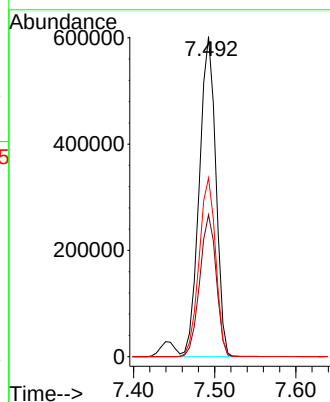
Tgt Ion: 82 Resp: 851921

Ion Ratio Lower Upper

82 100

128 44.3 35.5 53.3

54 55.8 44.3 66.5



#24

Nitrobenzene

Concen: 49.387 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

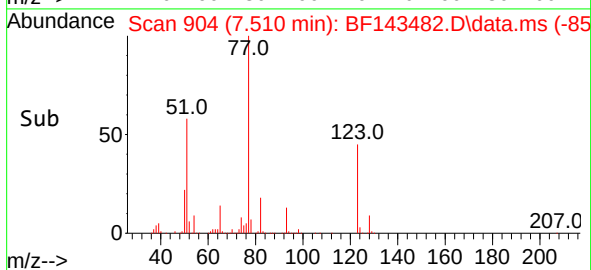
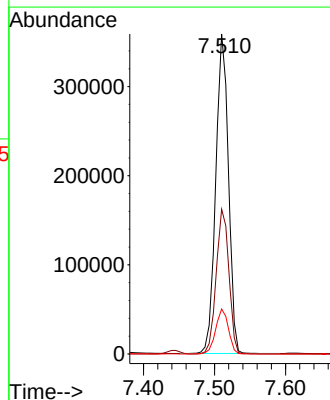
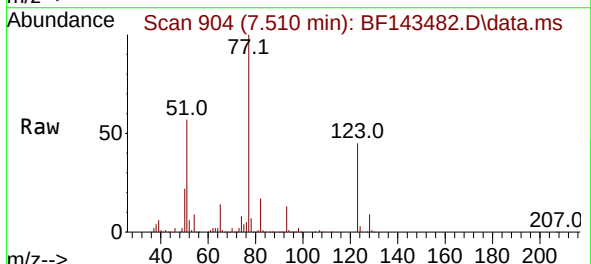
Tgt Ion: 77 Resp: 443345

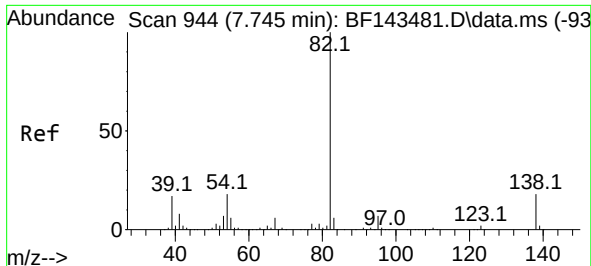
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

65 14.1 11.0 16.6

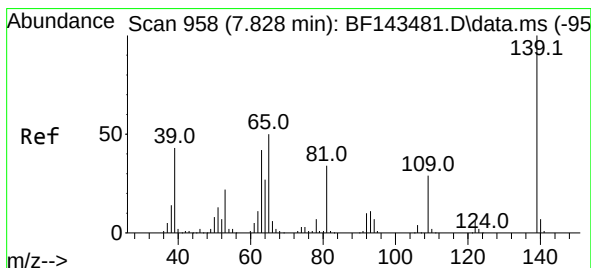
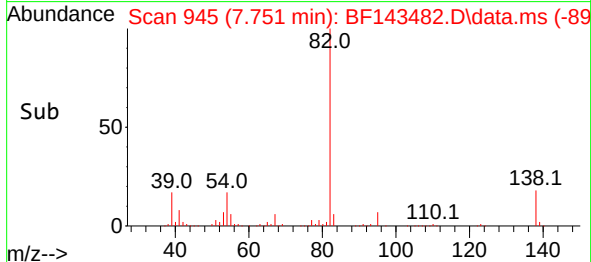
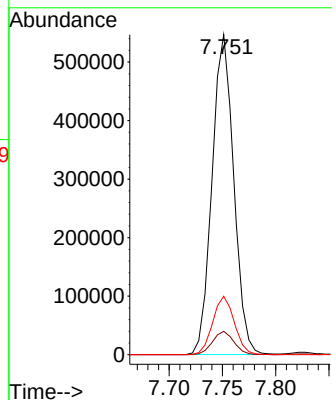
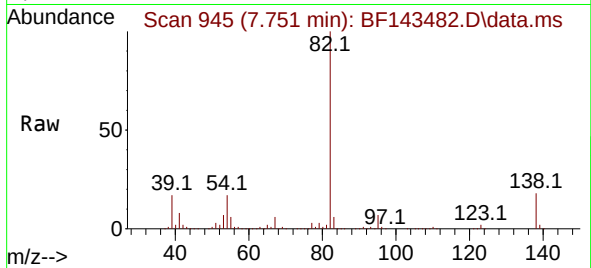




#25
Isophorone
Concen: 48.401 ng
RT: 7.751 min Scan# 945
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

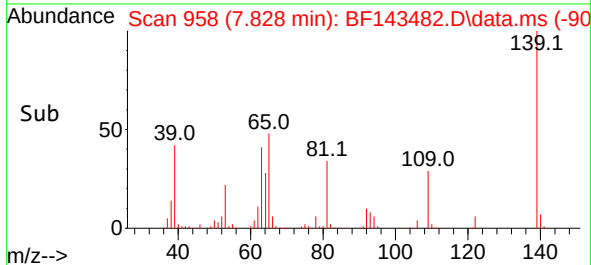
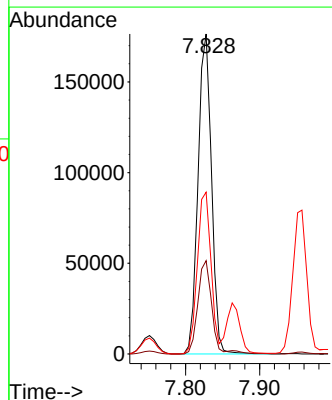
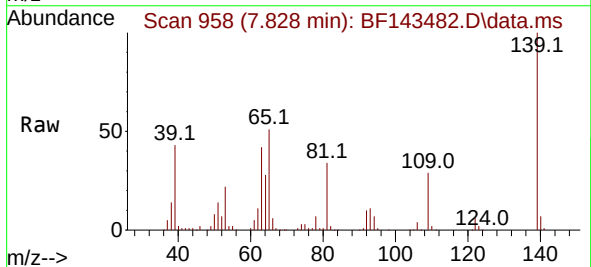
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

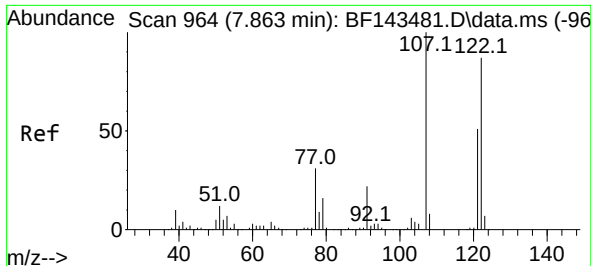
Tgt Ion: 82 Resp: 773853
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 18.3 14.2 21.4



#26
2-Nitrophenol
Concen: 50.572 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:139 Resp: 222383
Ion Ratio Lower Upper
139 100
109 29.1 23.0 34.6
65 50.5 40.3 60.5

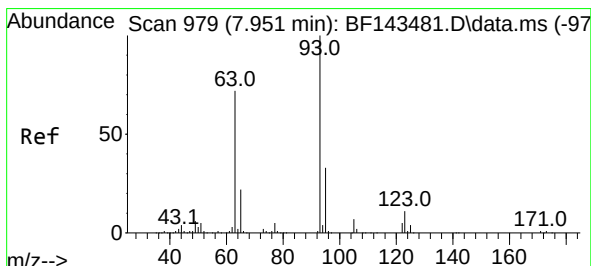
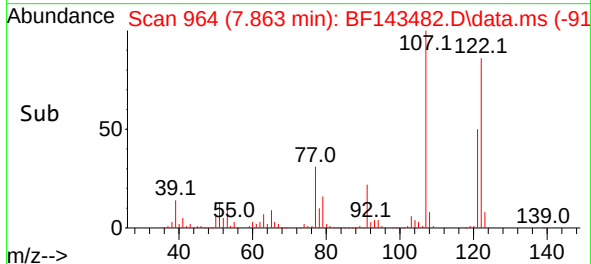
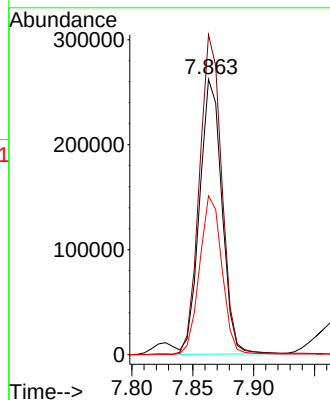
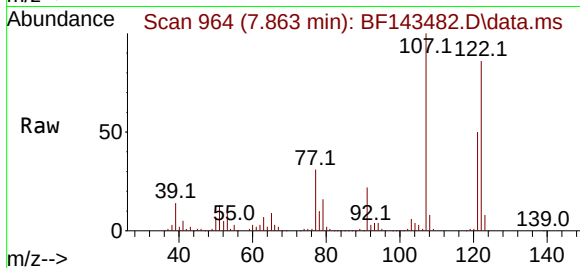




#27
2,4-Dimethylphenol
Concen: 48.606 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

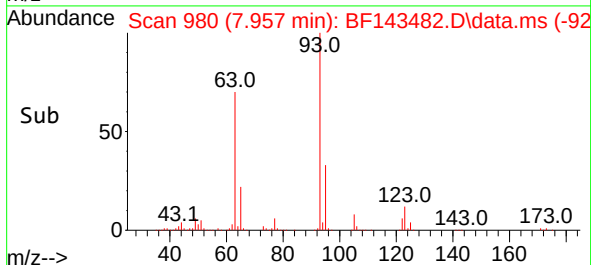
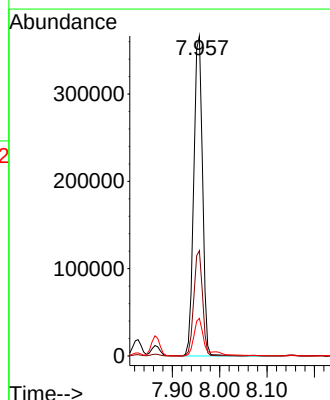
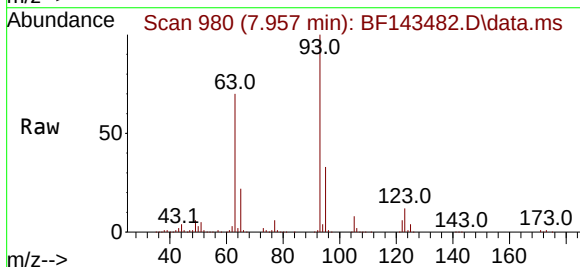
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

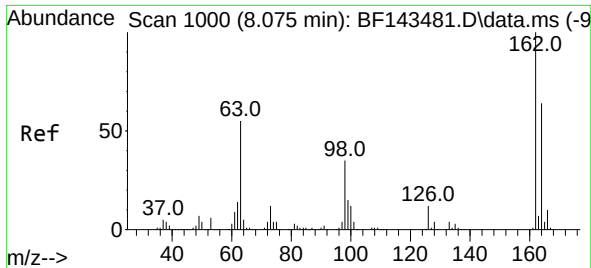
Tgt Ion:122 Resp: 333188
Ion Ratio Lower Upper
122 100
107 116.2 91.5 137.3
121 57.7 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 48.070 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 93 Resp: 472331
Ion Ratio Lower Upper
93 100
95 32.9 26.0 39.0
123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 48.908 ng

RT: 8.075 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

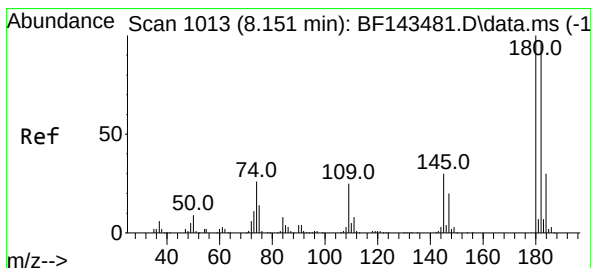
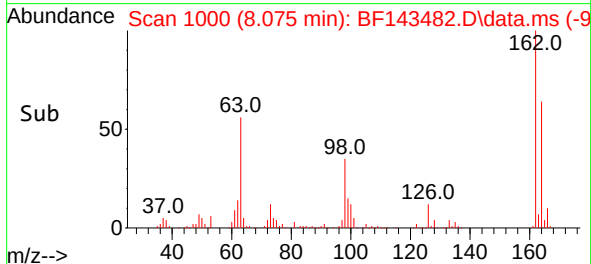
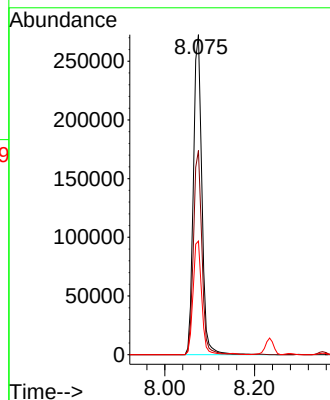
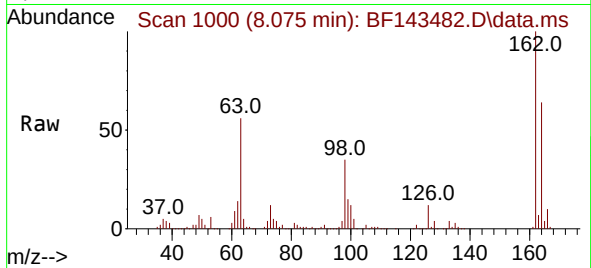
Tgt Ion:162 Resp: 358054

Ion Ratio Lower Upper

162 100

164 63.8 43.5 83.5

98 35.5 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 47.673 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

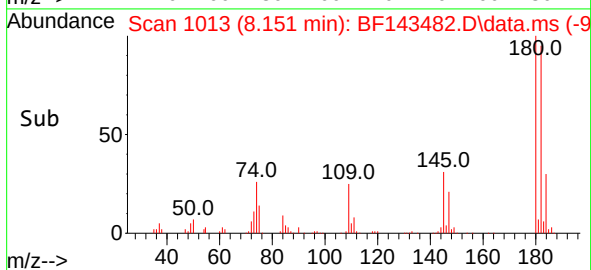
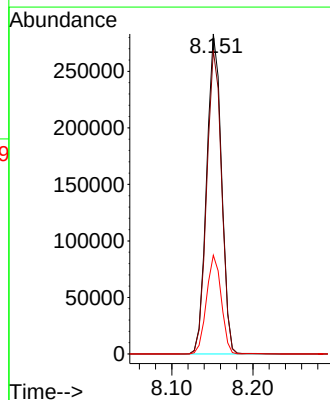
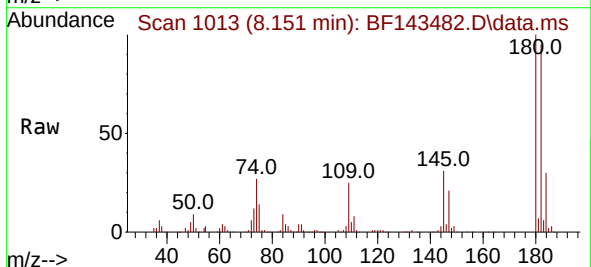
Tgt Ion:180 Resp: 358839

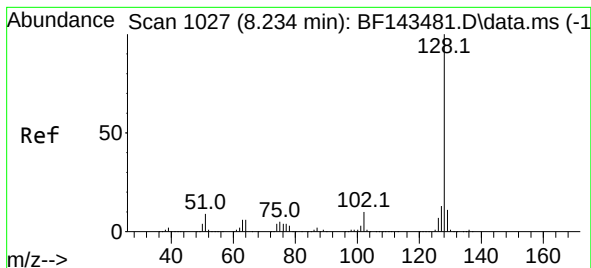
Ion Ratio Lower Upper

180 100

182 94.9 76.6 114.8

145 30.8 24.3 36.5





#31

Naphthalene

Concen: 47.228 ng

RT: 8.234 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

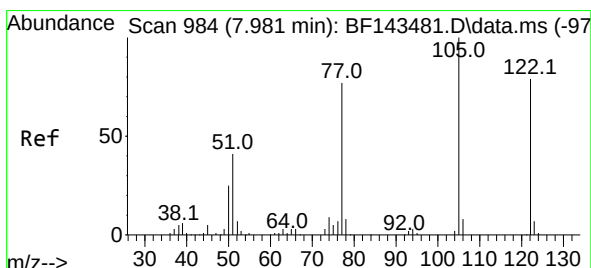
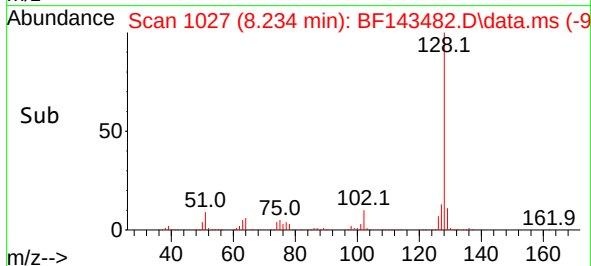
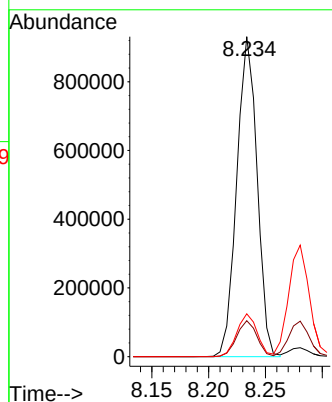
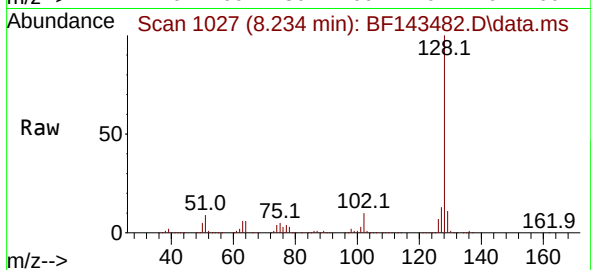
Tgt Ion:128 Resp: 1154068

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 49.619 ng

RT: 7.992 min Scan# 986

Delta R.T. -0.018 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

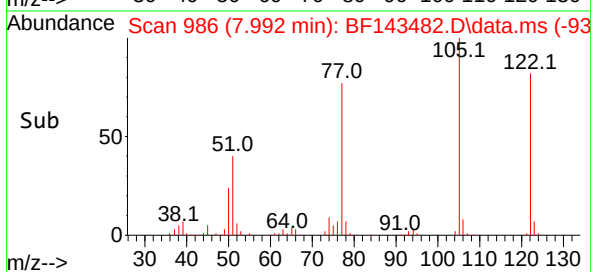
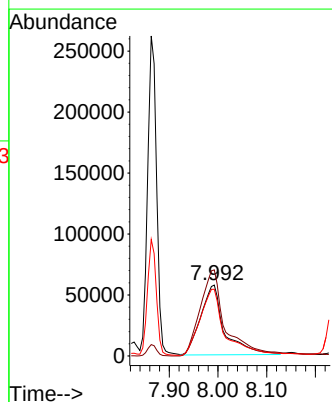
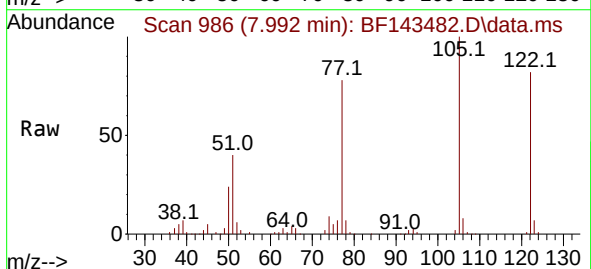
Tgt Ion:122 Resp: 194231

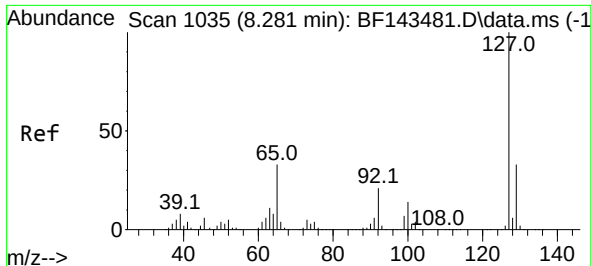
Ion Ratio Lower Upper

122 100

105 121.3 104.7 144.7

77 94.1 77.3 117.3

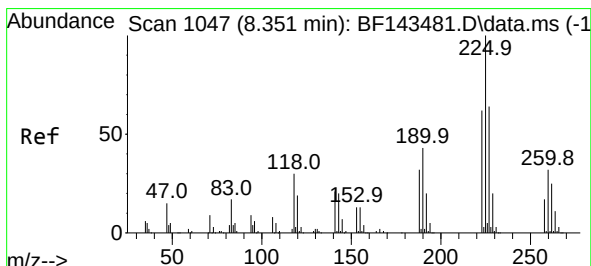
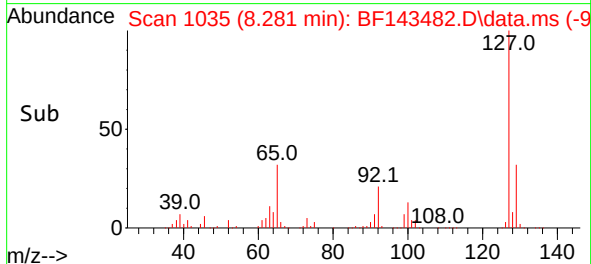
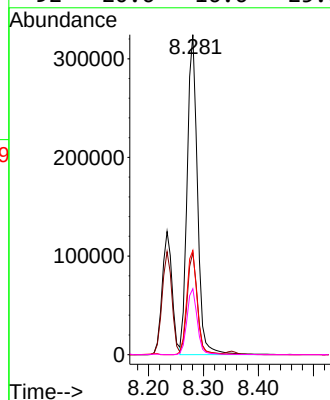
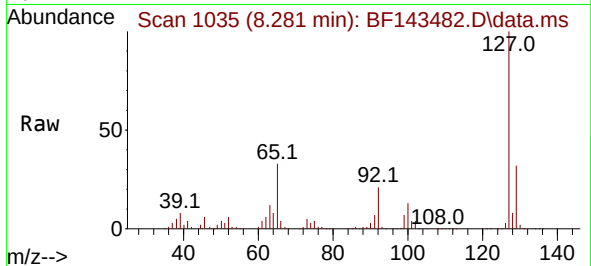




#33
4-Chloroaniline
Concen: 48.617 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

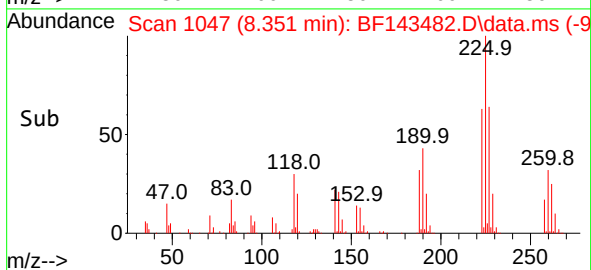
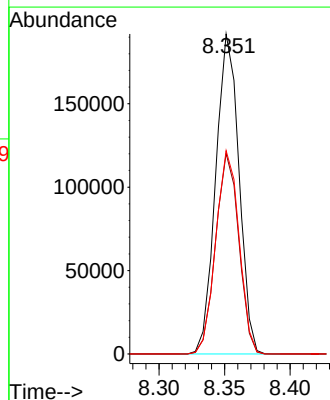
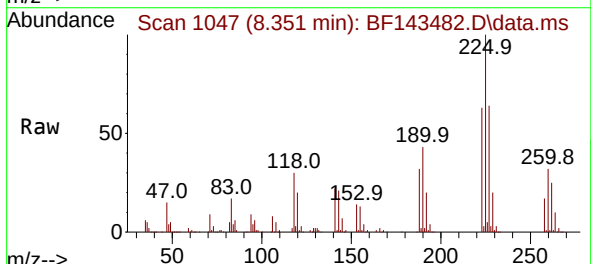
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

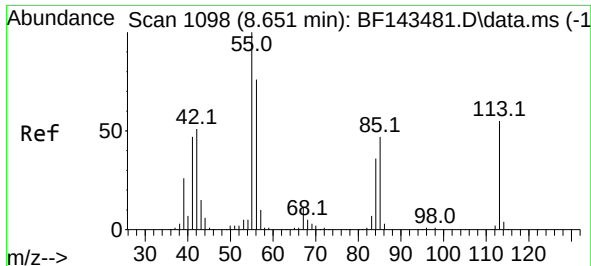
Tgt Ion:127	Resp: 421648
Ion Ratio	Lower Upper
127 100	
129 31.9	26.1 39.1
65 32.5	26.2 39.2
92 20.6	16.6 25.0



#34
Hexachlorobutadiene
Concen: 48.095 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:225	Resp: 236186
Ion Ratio	Lower Upper
225 100	
223 62.7	49.9 74.9
227 63.6	50.9 76.3

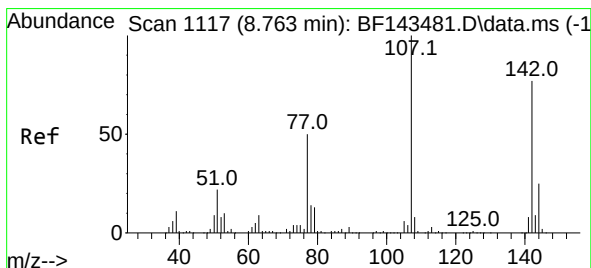
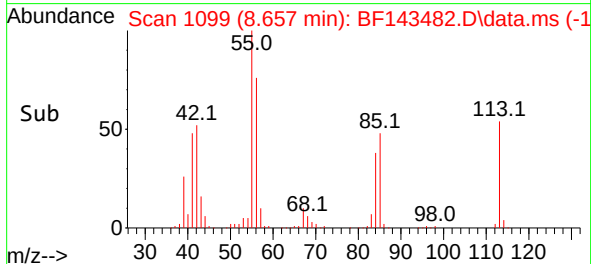
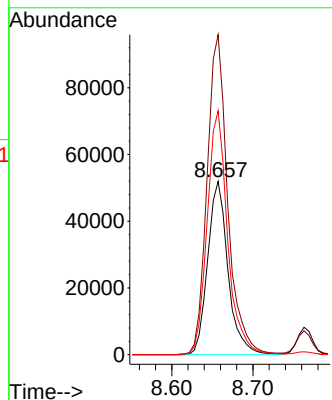
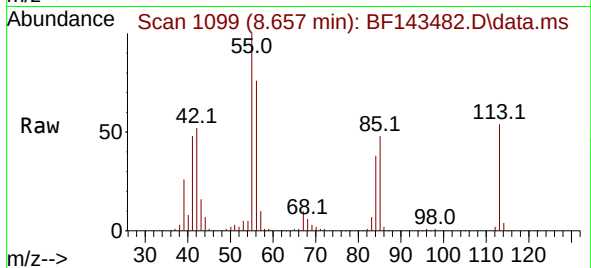




#35
 Caprolactam
 Concen: 51.340 ng
 RT: 8.657 min Scan# 1099
 Delta R.T. -0.018 min
 Lab File: BF143482.D
 Acq: 20 Aug 2025 13:22

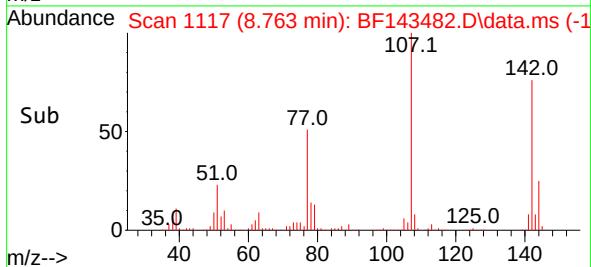
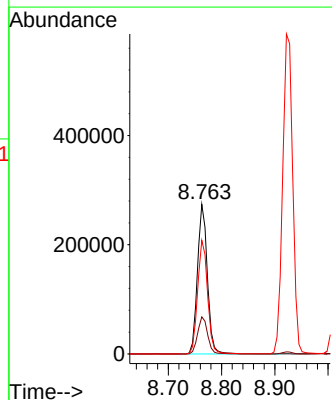
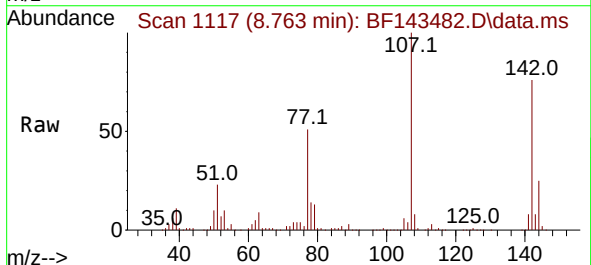
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

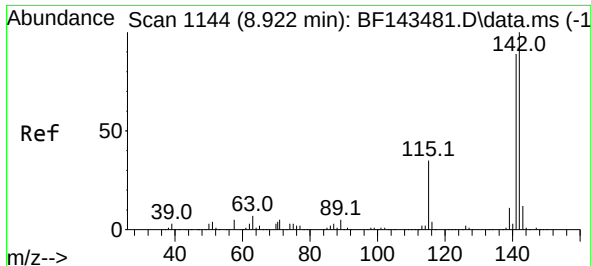
Tgt Ion:113 Resp: 90192
 Ion Ratio Lower Upper
 113 100
 55 184.7 162.8 202.8
 56 140.7 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 48.497 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143482.D
 Acq: 20 Aug 2025 13:22

Tgt Ion:107 Resp: 355809
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.9 29.9
 142 75.9 61.8 92.8

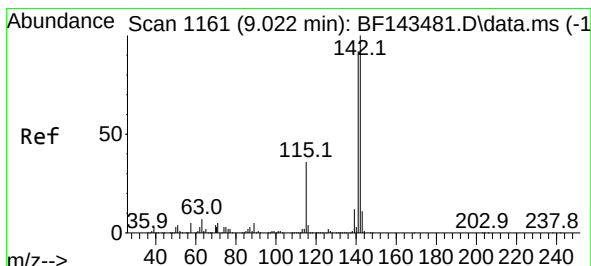
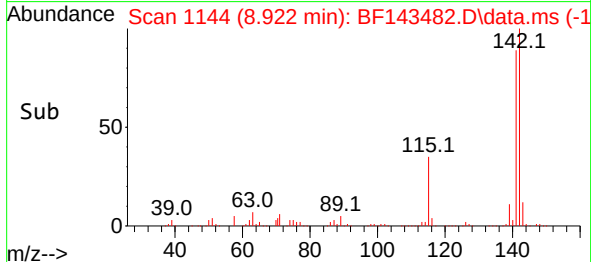
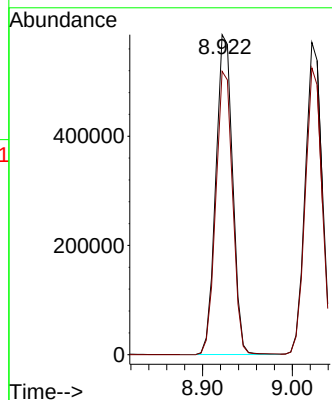
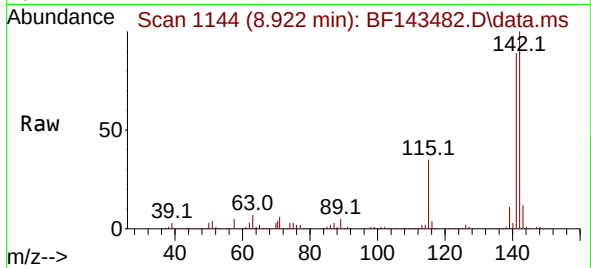




#37
2-Methylnaphthalene
Concen: 46.774 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

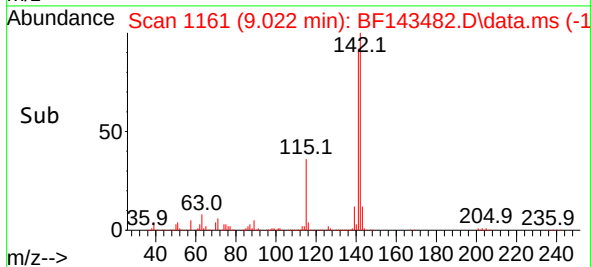
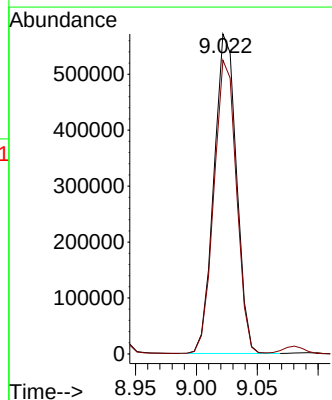
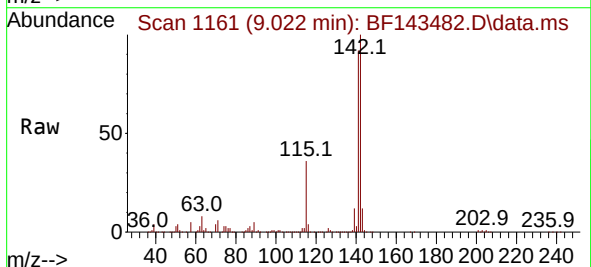
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

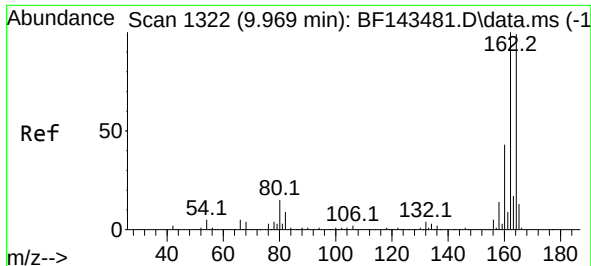
Tgt Ion:142 Resp: 763368
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.4



#38
1-Methylnaphthalene
Concen: 47.049 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:142 Resp: 734490
Ion Ratio Lower Upper
142 100
141 91.8 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

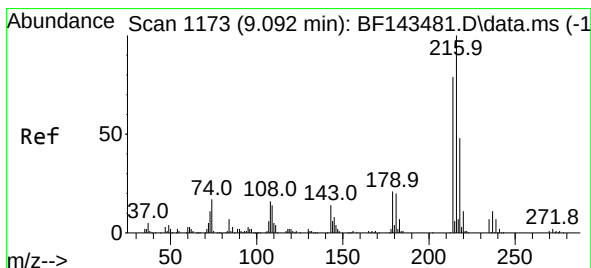
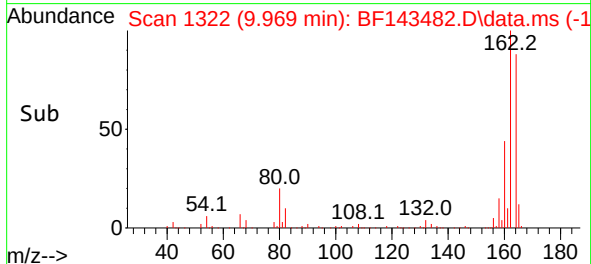
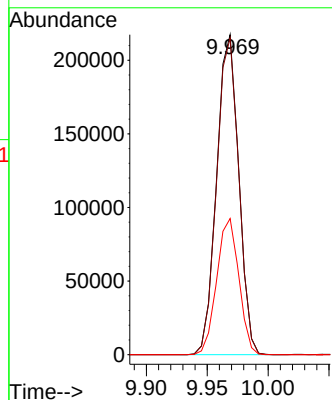
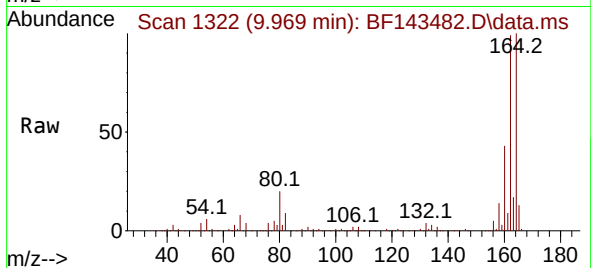
Tgt Ion:164 Resp: 274766

Ion Ratio Lower Upper

164 100

162 98.9 80.5 120.7

160 42.6 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.541 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Tgt Ion:216 Resp: 373639

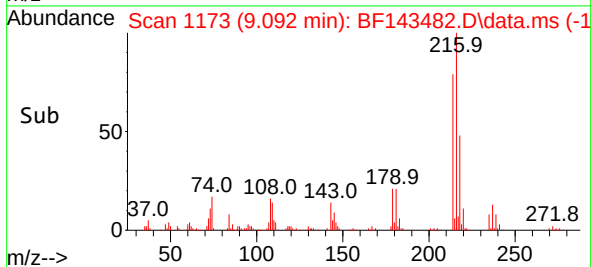
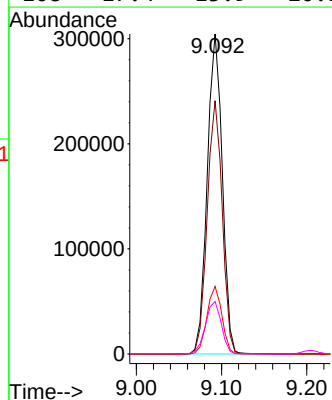
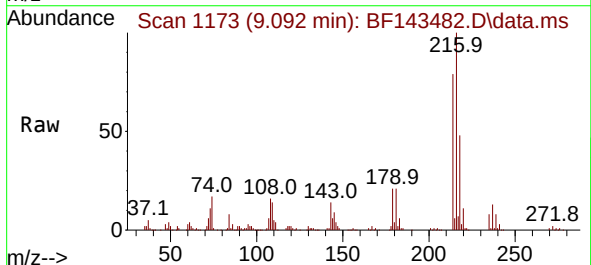
Ion Ratio Lower Upper

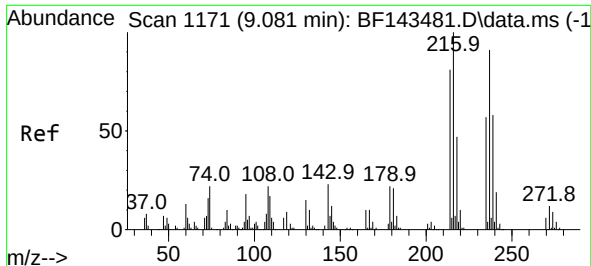
216 100

214 78.9 63.4 95.0

179 20.9 16.5 24.7

108 17.4 13.9 20.9

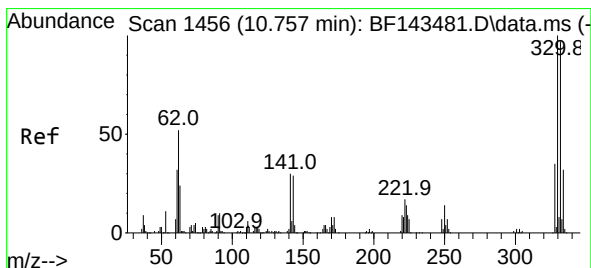
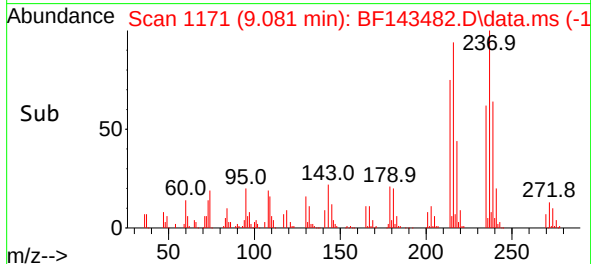
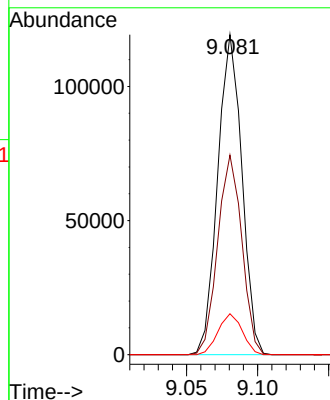
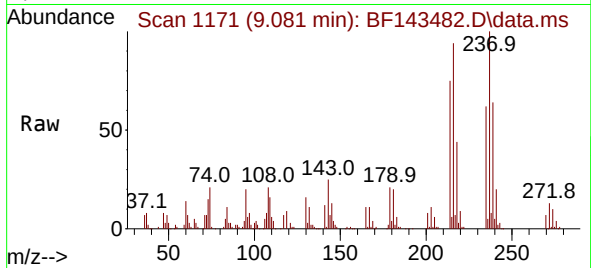




#41
Hexachlorocyclopentadiene
Concen: 48.905 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

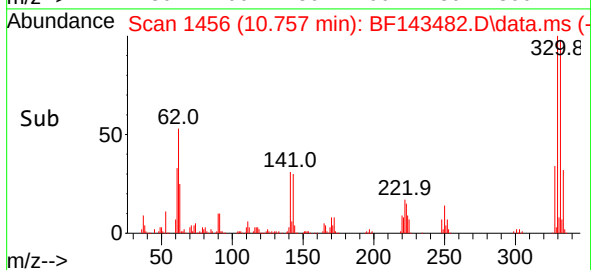
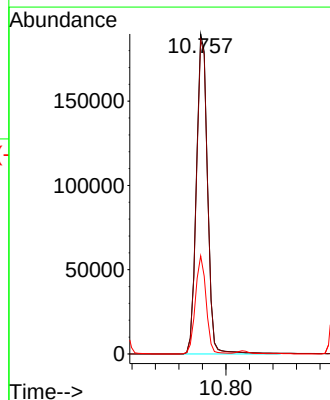
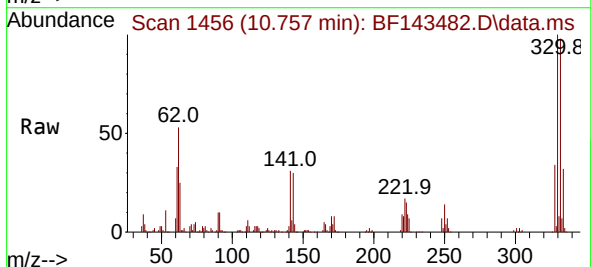
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

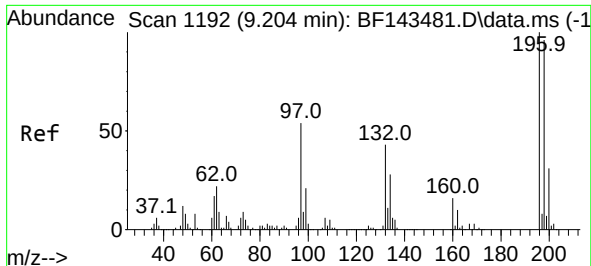
Tgt Ion:237 Resp: 141023
Ion Ratio Lower Upper
237 100
235 62.3 42.6 82.6
272 12.8 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 97.306 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:330 Resp: 248877
Ion Ratio Lower Upper
330 100
332 98.3 78.0 117.0
141 29.6 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 49.900 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

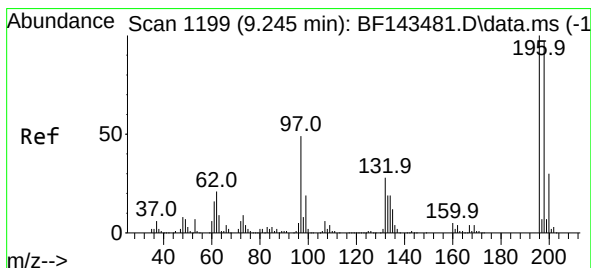
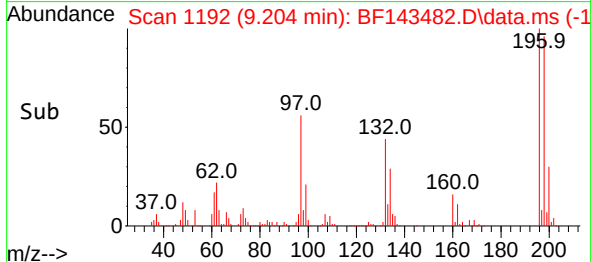
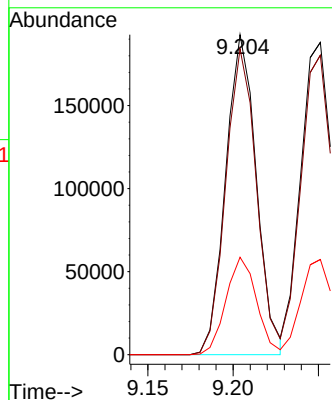
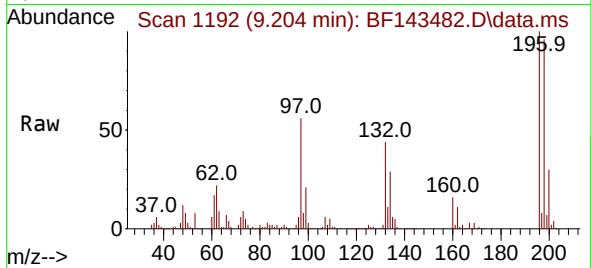
Tgt Ion:196 Resp: 241322

Ion Ratio Lower Upper

196 100

198 95.5 77.0 115.4

200 30.4 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 49.041 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Tgt Ion:196 Resp: 259061

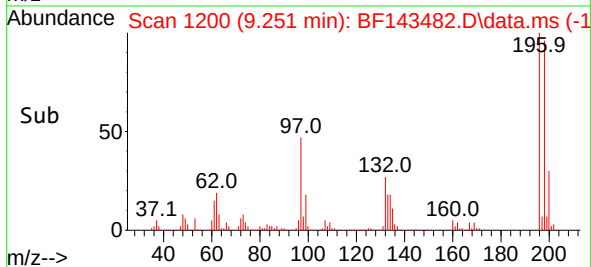
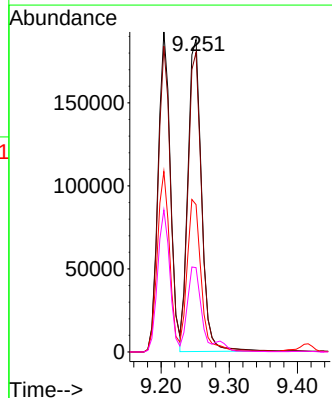
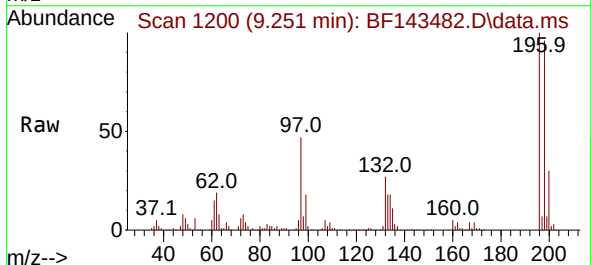
Ion Ratio Lower Upper

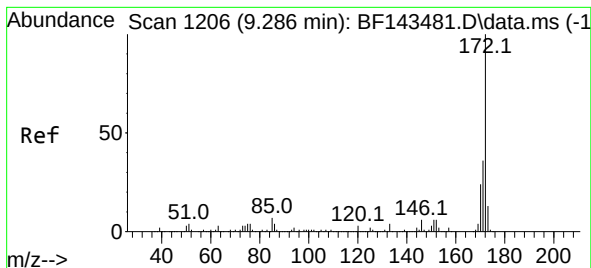
196 100

198 95.9 77.3 115.9

97 47.2 40.0 60.0

132 27.0 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 91.359 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

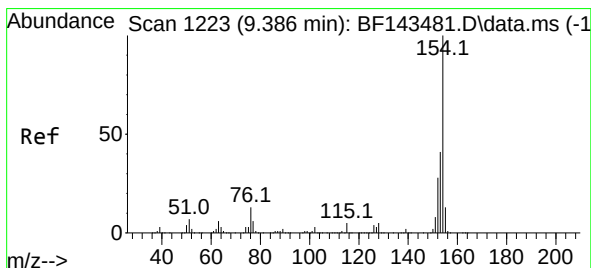
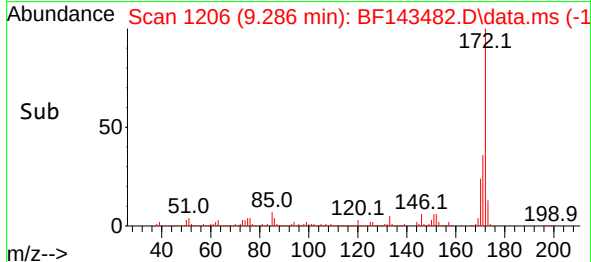
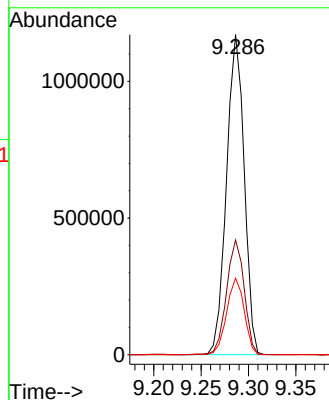
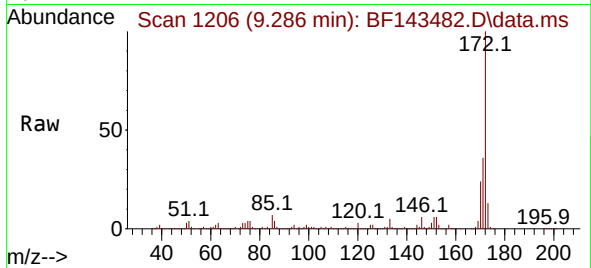
Tgt Ion:172 Resp: 1518897

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.9 18.8 28.2



#46

1,1'-Biphenyl

Concen: 47.038 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

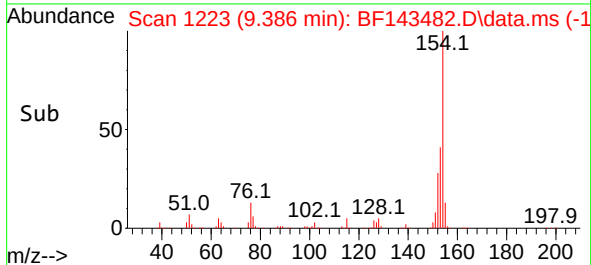
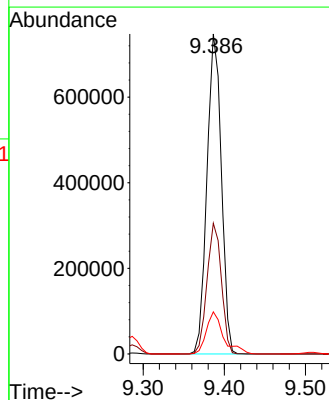
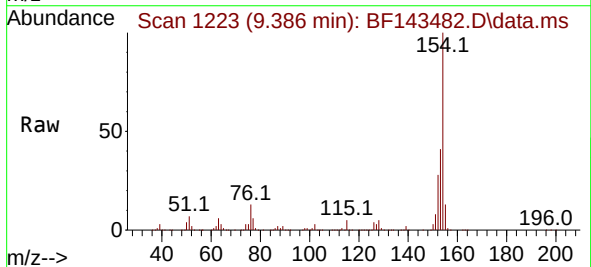
Tgt Ion:154 Resp: 917350

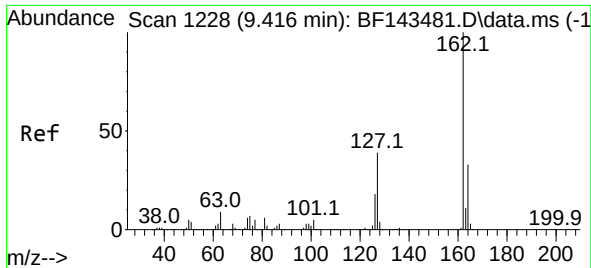
Ion Ratio Lower Upper

154 100

153 40.9 20.6 60.6

76 13.2 0.0 33.0

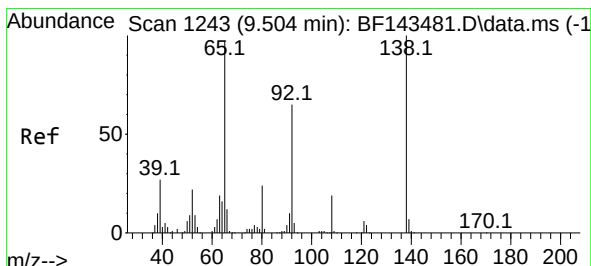
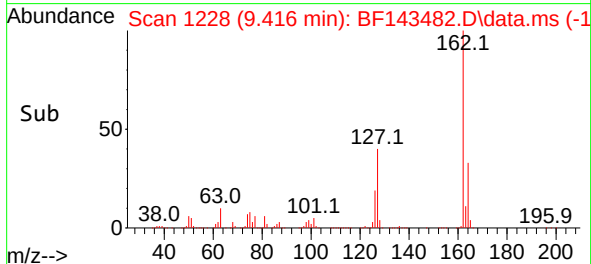
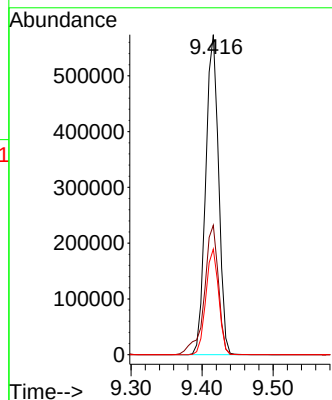
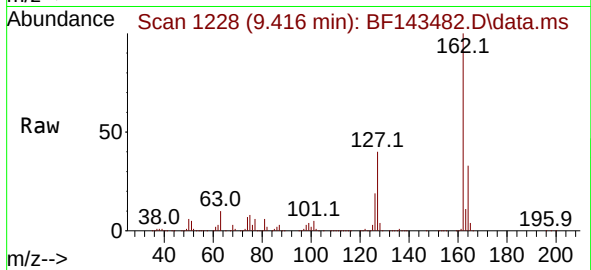




#47
2-Chloronaphthalene
Concen: 47.420 ng
RT: 9.416 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

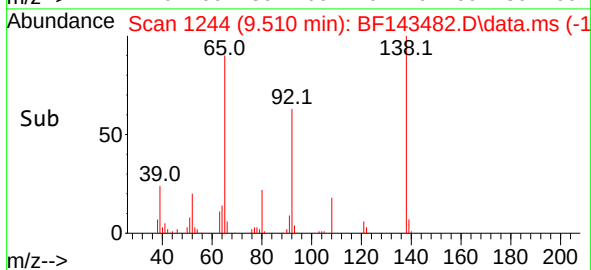
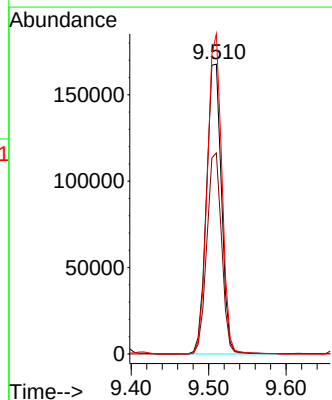
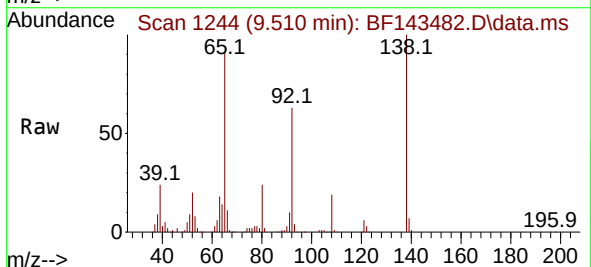
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

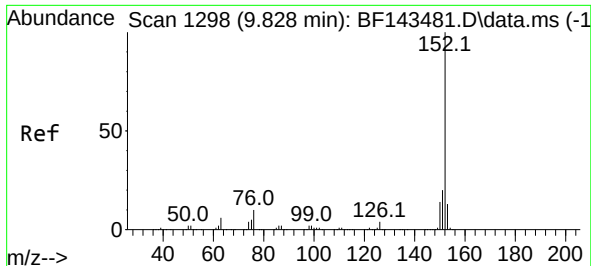
Tgt Ion:162 Resp: 725620
Ion Ratio Lower Upper
162 100
127 40.5 31.8 47.6
164 33.0 26.4 39.6



#48
2-Nitroaniline
Concen: 50.489 ng
RT: 9.510 min Scan# 1244
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 65 Resp: 226106
Ion Ratio Lower Upper
65 100
92 69.4 53.8 80.6
138 110.5 82.4 123.6

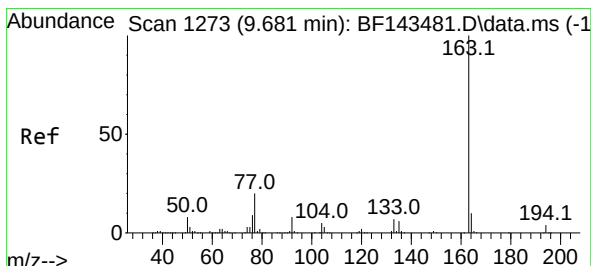
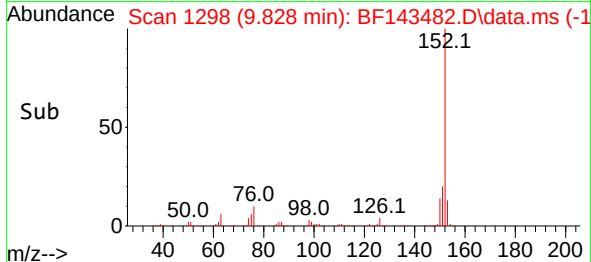
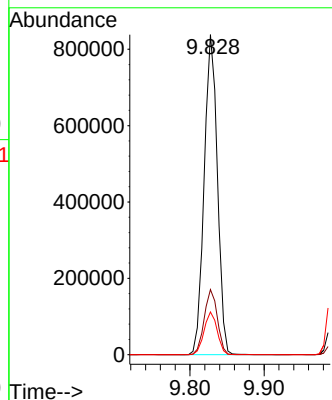
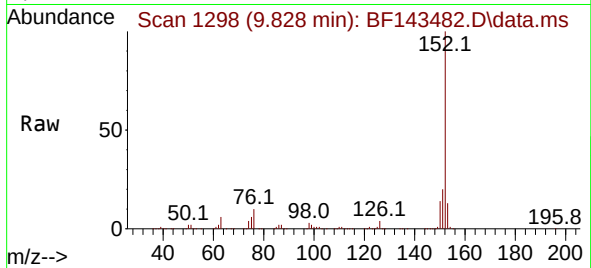




#49
Acenaphthylene
Concen: 47.536 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

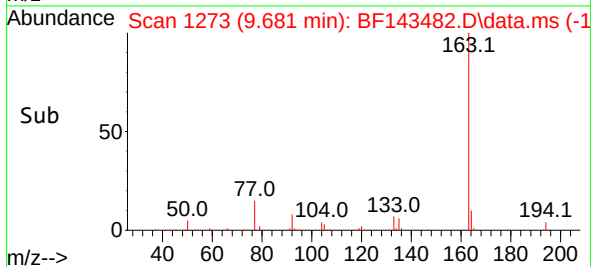
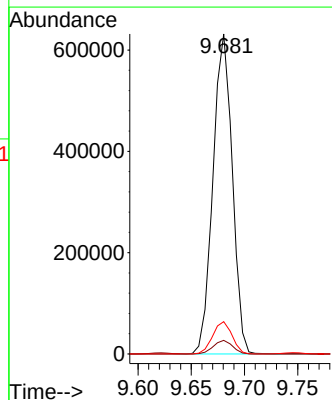
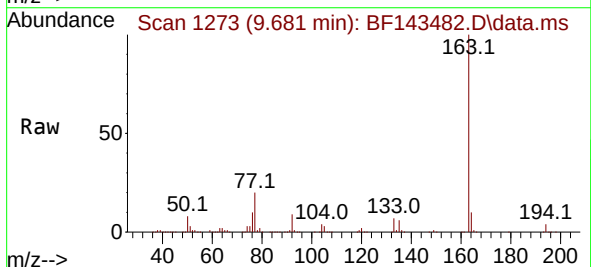
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

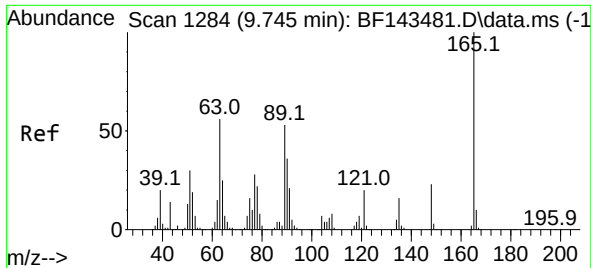
Tgt Ion:152 Resp: 1041531
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 48.090 ng
RT: 9.681 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:163 Resp: 795814
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.1 8.2 12.2

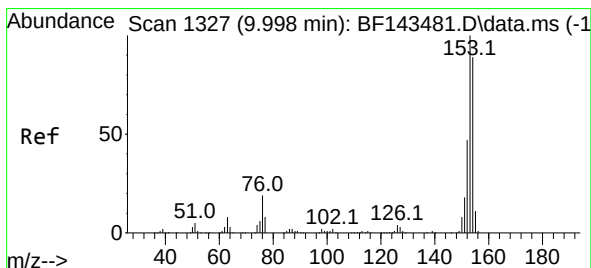
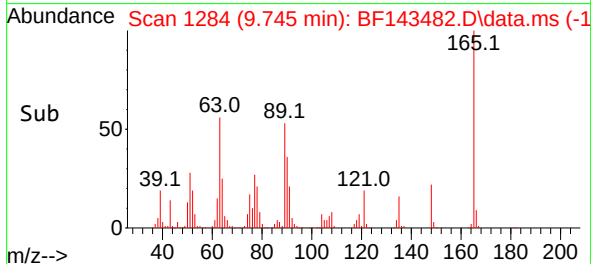
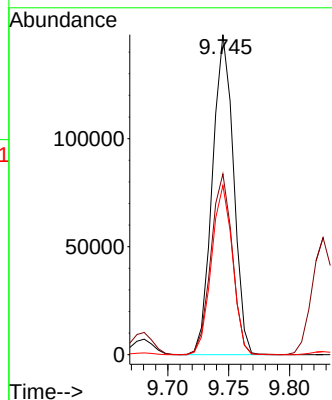
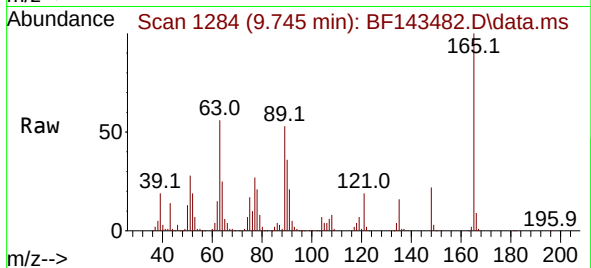




#51
2,6-Dinitrotoluene
Concen: 52.104 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

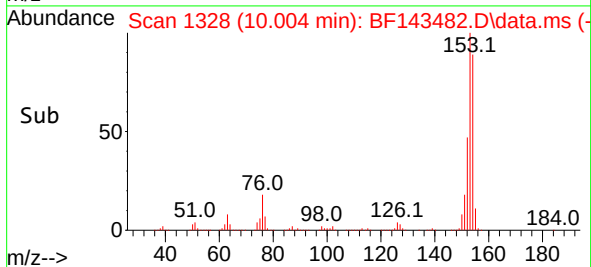
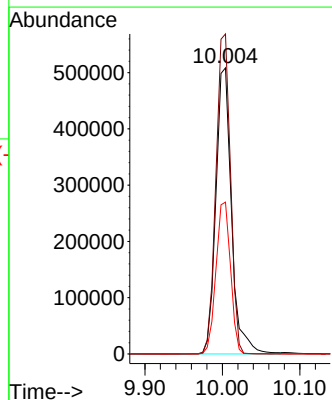
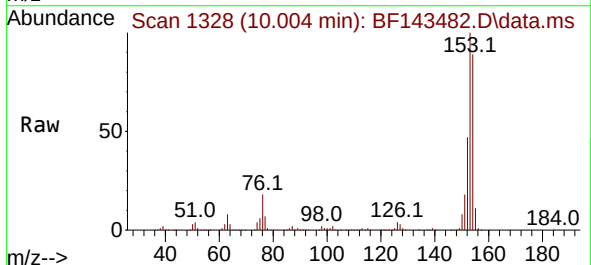
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

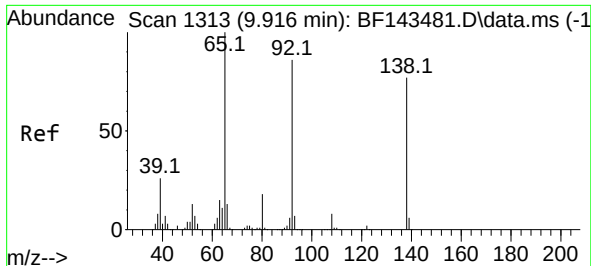
Tgt Ion:165 Resp: 178703
Ion Ratio Lower Upper
165 100
63 56.5 45.0 67.6
89 52.9 42.5 63.7



#52
Acenaphthene
Concen: 47.905 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

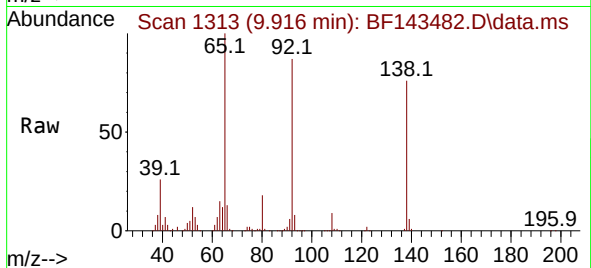
Tgt Ion:154 Resp: 712642
Ion Ratio Lower Upper
154 100
153 111.9 89.5 134.3
152 53.1 42.5 63.7



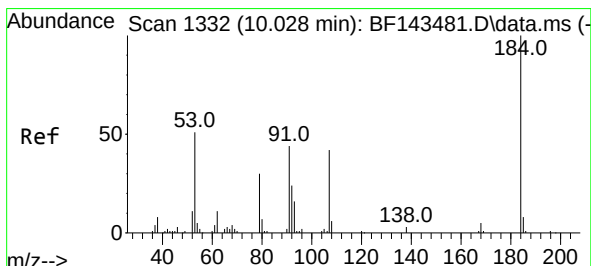
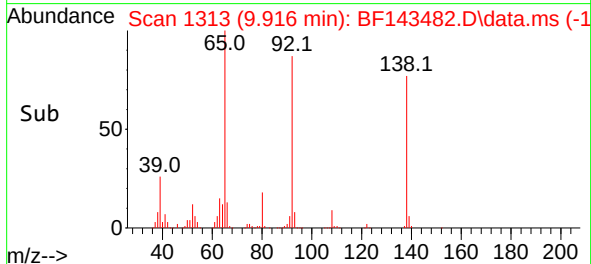
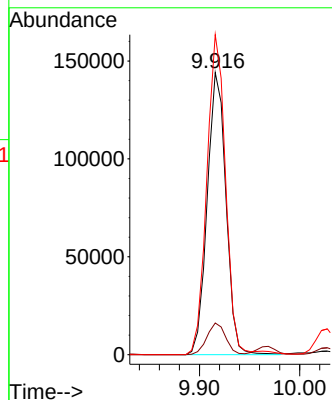


#53
3-Nitroaniline
Concen: 50.620 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

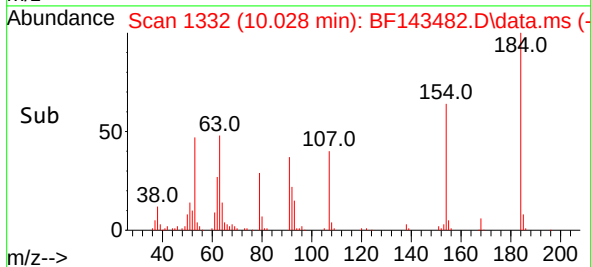
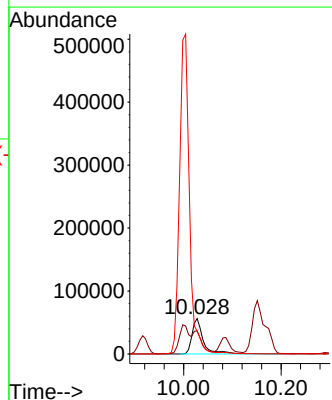
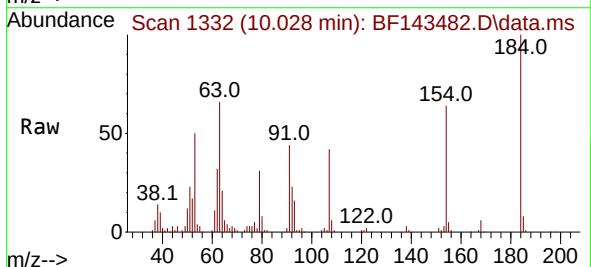


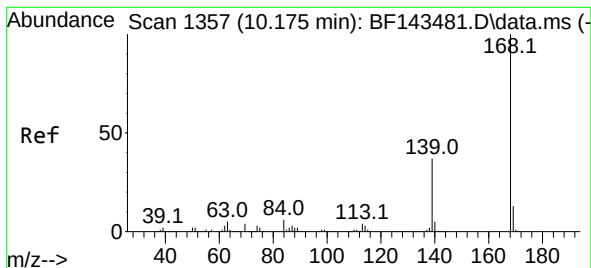
Tgt Ion:138 Resp: 187598
Ion Ratio Lower Upper
138 100
108 11.2 8.6 13.0
92 113.5 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 51.384 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:184 Resp: 90529
Ion Ratio Lower Upper
184 100
63 65.5 52.6 78.8
154 63.7 51.0 76.4

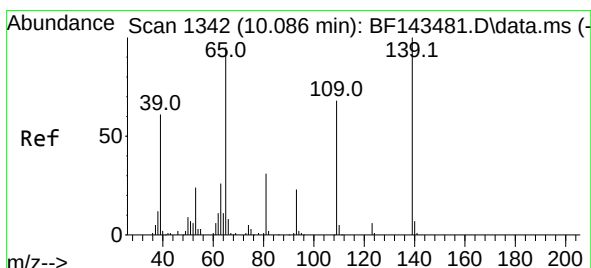
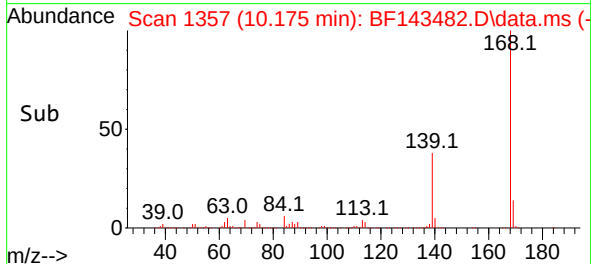
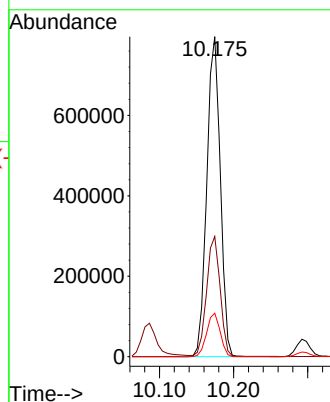
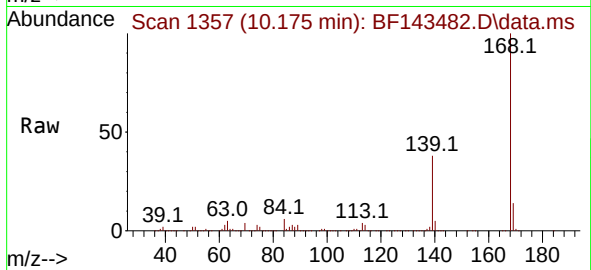




#55
Dibenzofuran
Concen: 47.313 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

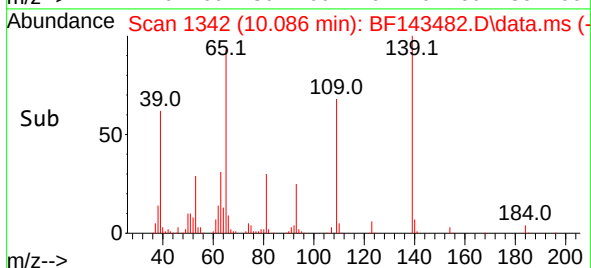
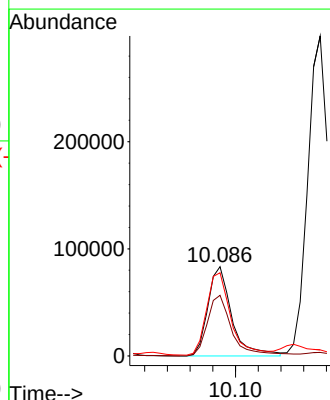
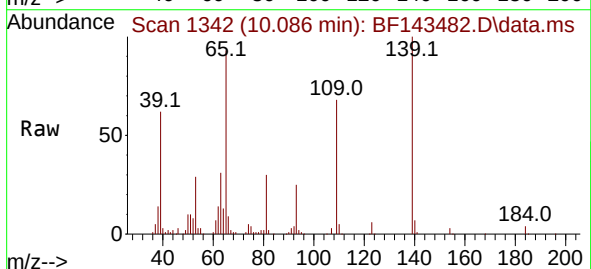
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

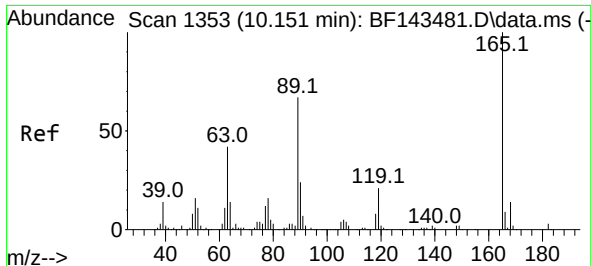
Tgt Ion:168 Resp: 1003468
Ion Ratio Lower Upper
168 100
139 37.5 29.8 44.6
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 54.991 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:139 Resp: 121261
Ion Ratio Lower Upper
139 100
109 68.0 48.2 88.2
65 93.3 75.8 115.8





#57

2,4-Dinitrotoluene

Concen: 51.542 ng

RT: 10.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143482.D

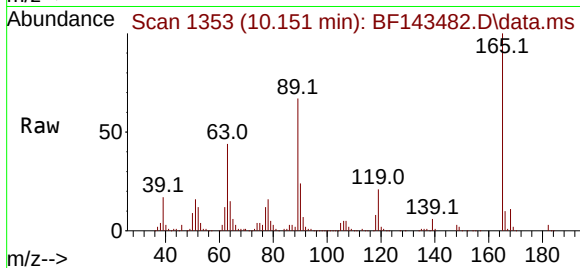
Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:165 Resp: 236039

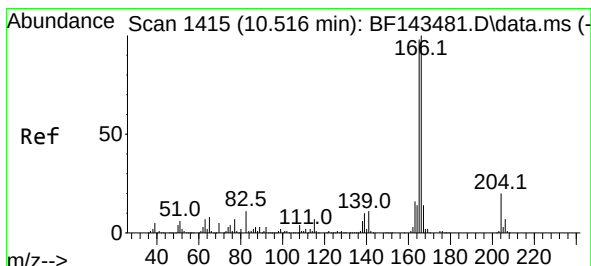
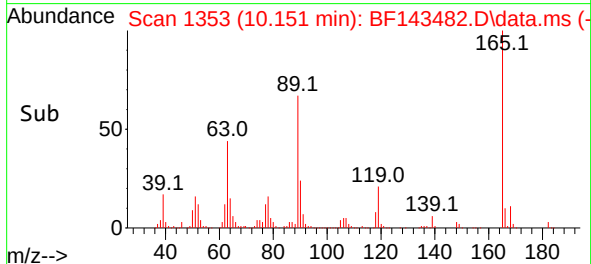
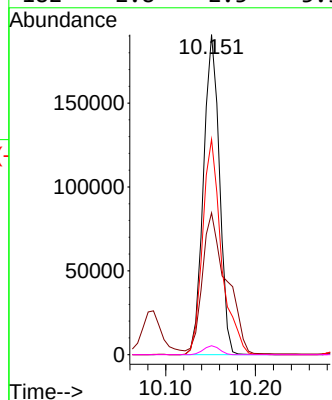
Ion Ratio Lower Upper

165 100

63 44.3 34.9 52.3

89 67.3 53.3 79.9

182 2.8 2.3 3.5



#58

Fluorene

Concen: 46.763 ng

RT: 10.516 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

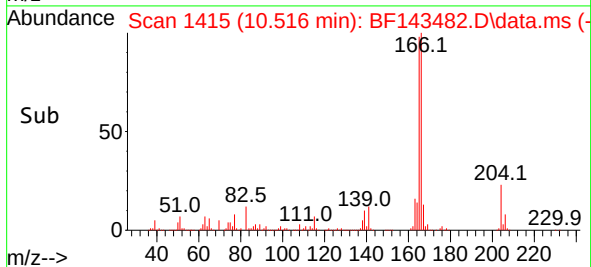
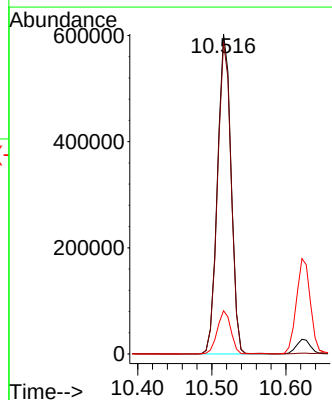
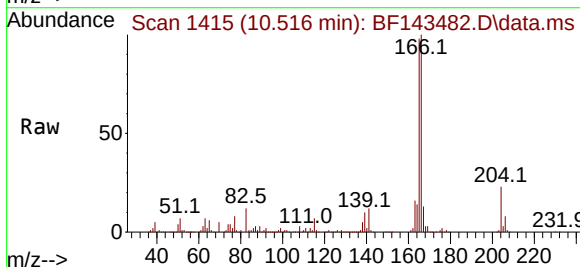
Tgt Ion:166 Resp: 763347

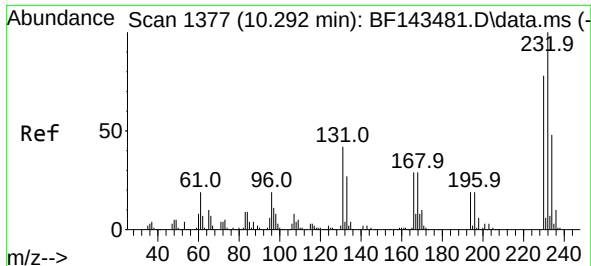
Ion Ratio Lower Upper

166 100

165 97.6 78.3 117.5

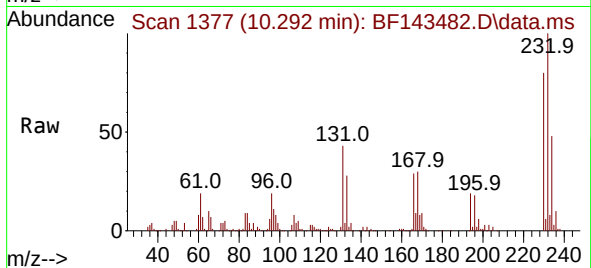
167 13.5 11.0 16.4



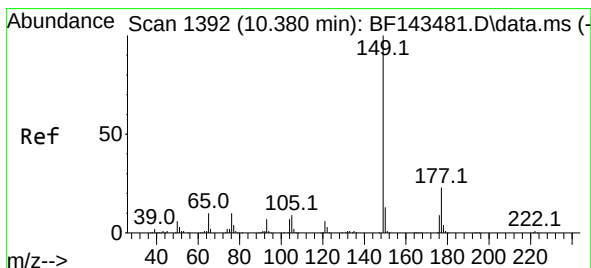
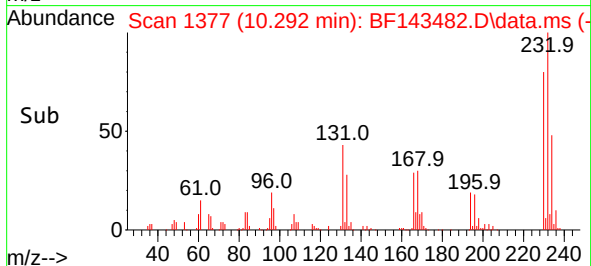
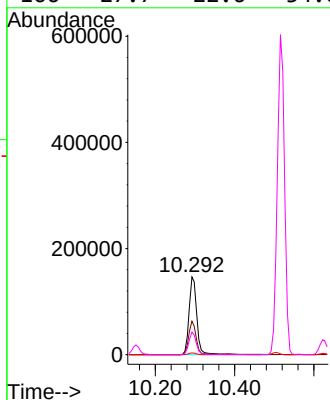


#59
2,3,4,6-Tetrachlorophenol
Concen: 51.483 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

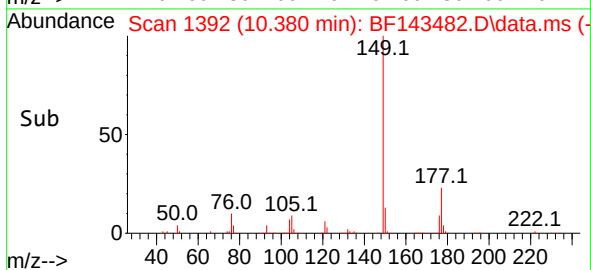
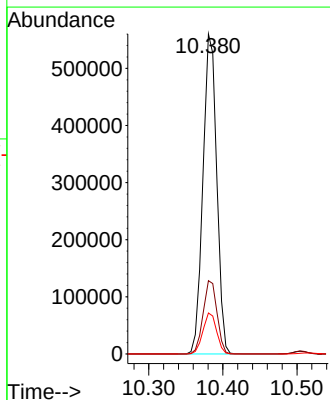
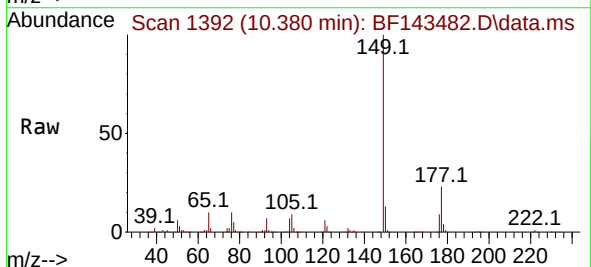


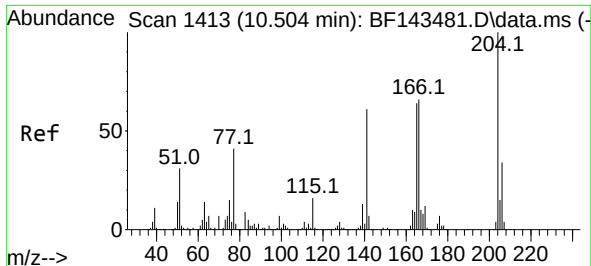
Tgt Ion:232 Resp: 202049
Ion Ratio Lower Upper
232 100
131 41.0 32.7 49.1
130 2.1 1.6 2.4
166 27.7 22.6 34.0



#60
Diethylphthalate
Concen: 48.756 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 723386
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.8 10.3 15.5

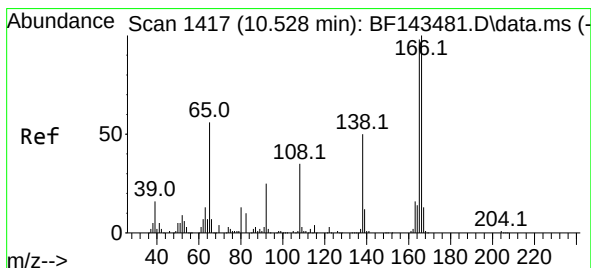
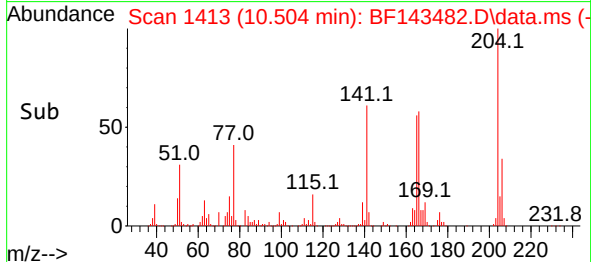
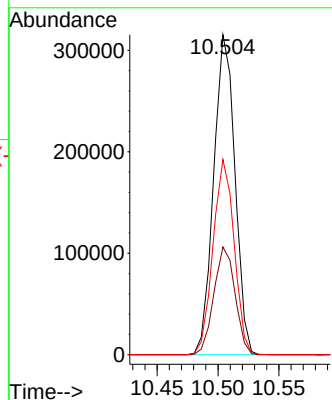
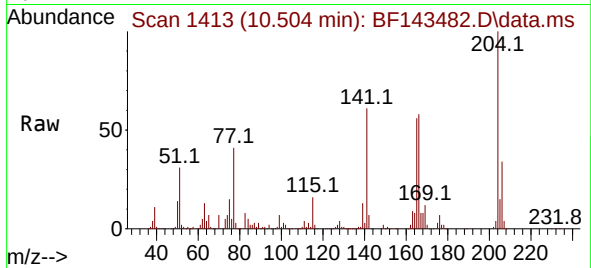




#61
4-Chlorophenyl-phenylether
Concen: 46.985 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

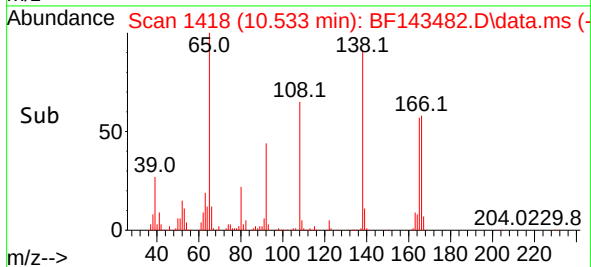
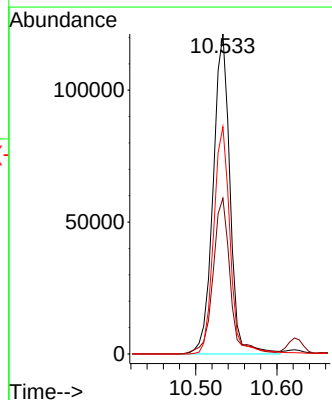
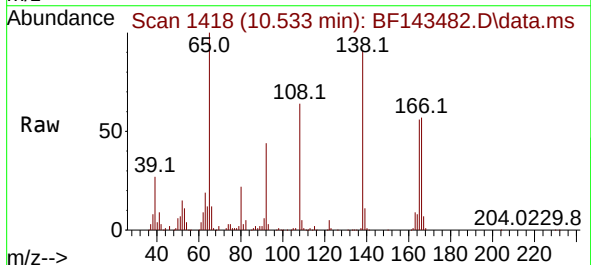
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

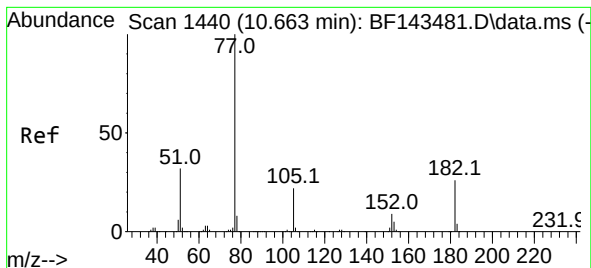
Tgt Ion:204 Resp: 383570
Ion Ratio Lower Upper
204 100
206 33.6 27.0 40.4
141 61.0 48.7 73.1



#62
4-Nitroaniline
Concen: 51.418 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:138 Resp: 175033
Ion Ratio Lower Upper
138 100
92 48.7 29.3 69.3
108 71.0 50.7 90.7

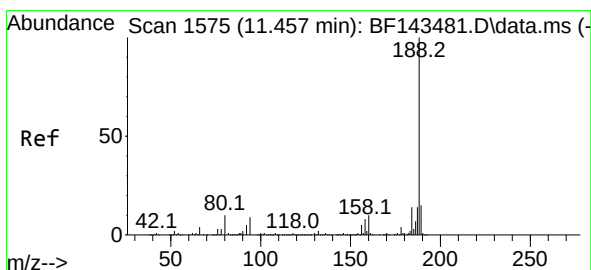
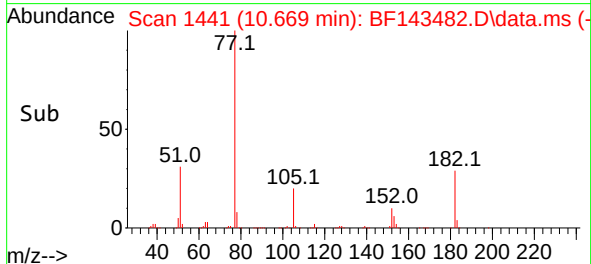
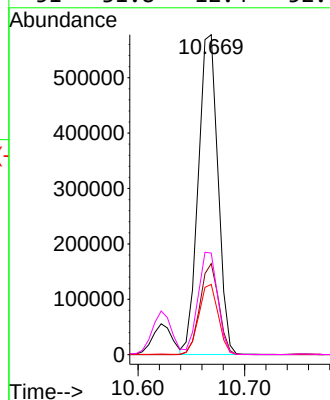
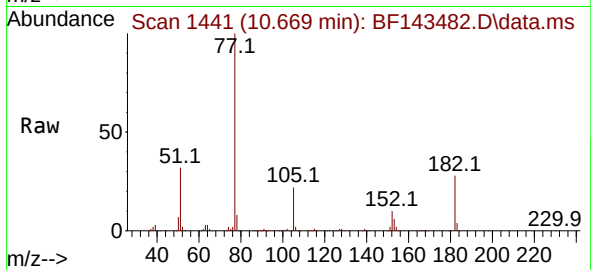




#63
Azobenzene
Concen: 48.247 ng
RT: 10.669 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

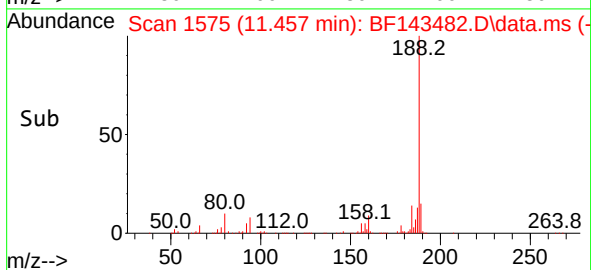
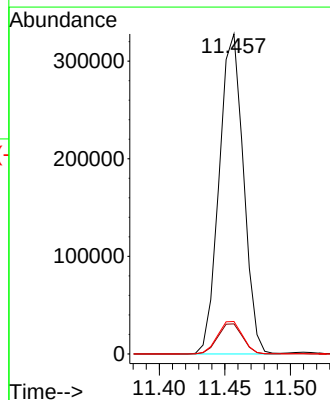
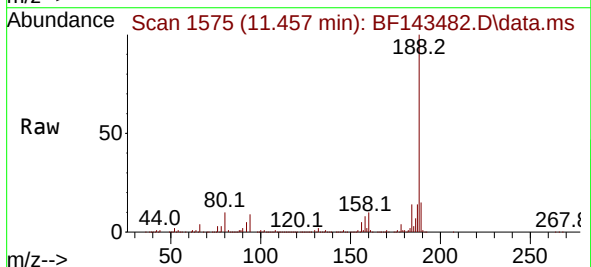
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

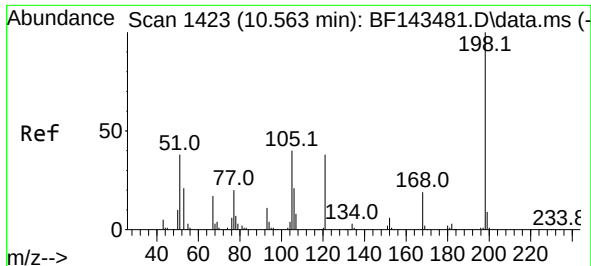
Tgt Ion: 77	Resp: 742238
Ion Ratio	Lower Upper
77 100	
182 28.4	6.2 46.2
105 21.9	2.2 42.2
51 31.8	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:188	Resp: 422398		
Ion Ratio	Lower	Upper	
188 100			
94 9.4	7.4	11.2	
80 10.1	8.2	12.4	

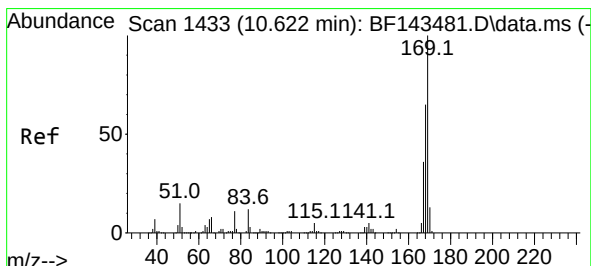
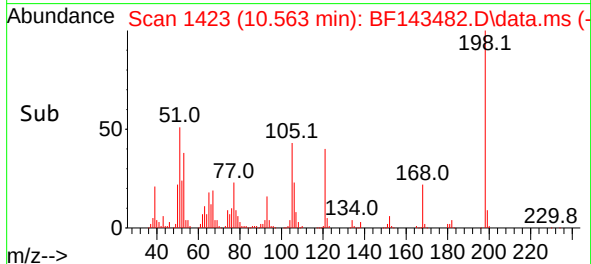
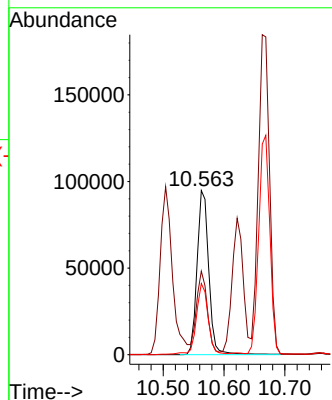
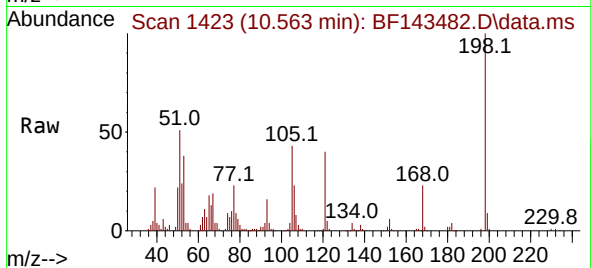




#65
4,6-Dinitro-2-methylphenol
Concen: 53.128 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

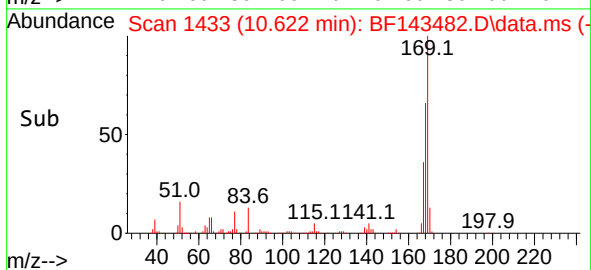
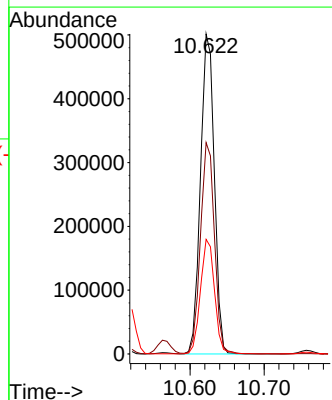
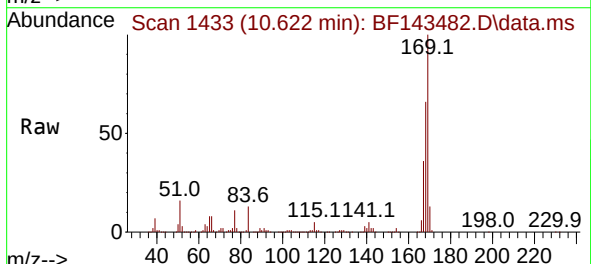
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

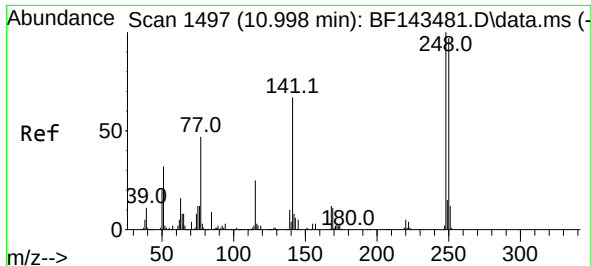
Tgt Ion:198 Resp: 126533
Ion Ratio Lower Upper
198 100
51 50.8 29.6 69.6
105 43.4 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 47.789 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:169 Resp: 649619
Ion Ratio Lower Upper
169 100
168 66.0 52.4 78.6
167 35.8 28.9 43.3

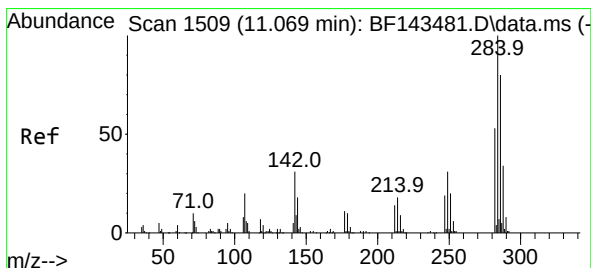
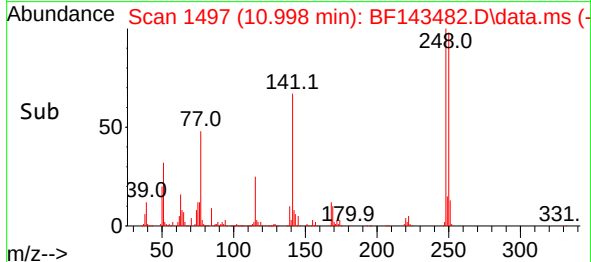
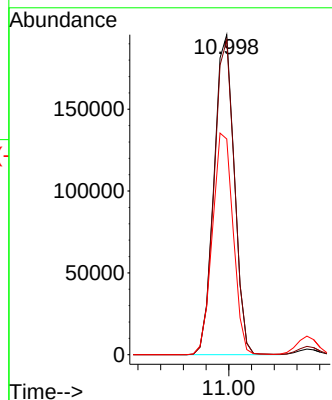
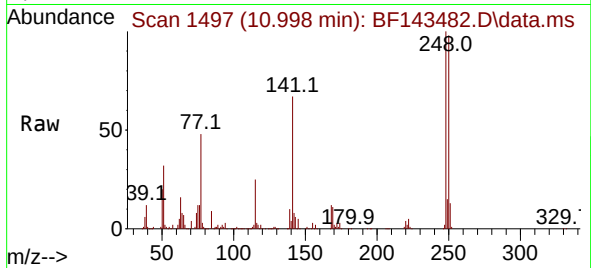




#67
4-Bromophenyl-phenylether
Concen: 48.112 ng
RT: 10.998 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

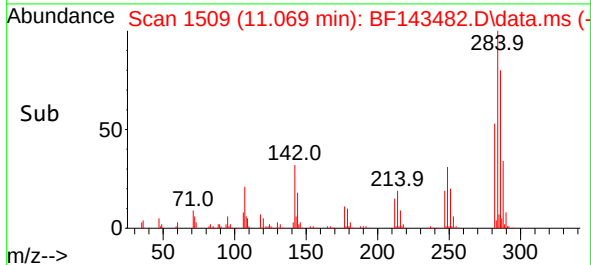
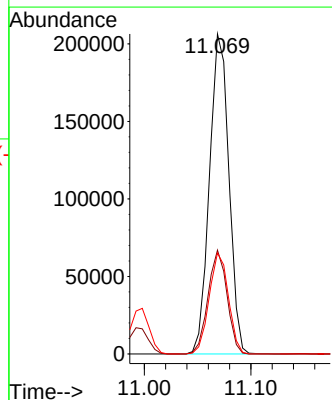
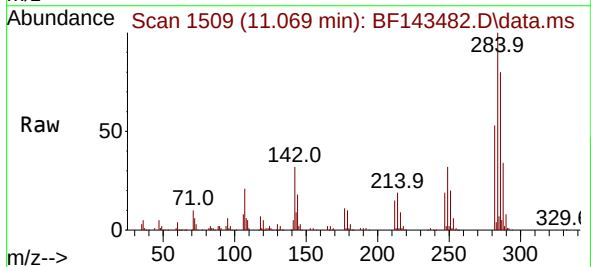
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

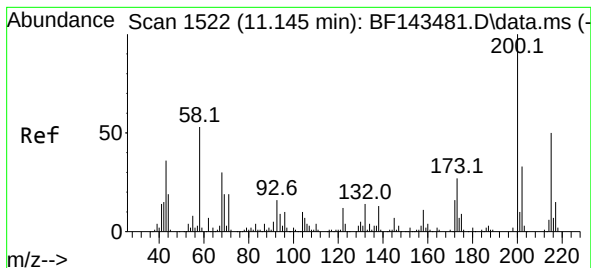
Tgt Ion:248 Resp: 242477
Ion Ratio Lower Upper
248 100
250 98.4 77.8 116.8
141 67.4 54.0 81.0



#68
Hexachlorobenzene
Concen: 48.206 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:284 Resp: 261883
Ion Ratio Lower Upper
284 100
142 32.4 24.4 36.6
249 31.6 25.0 37.6





#69

Atrazine

Concen: 51.394 ng

RT: 11.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

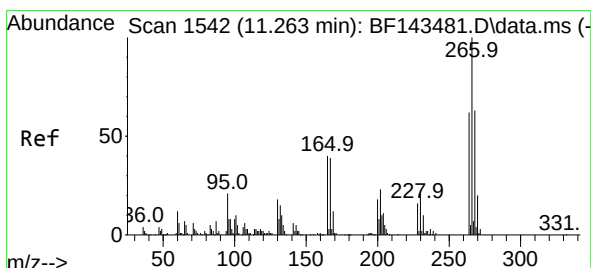
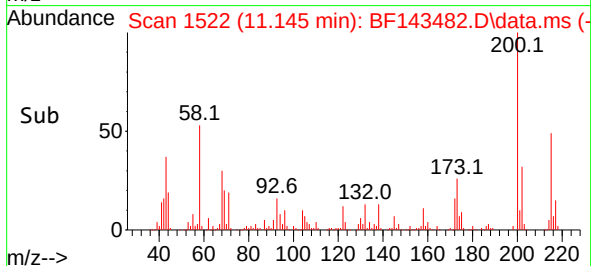
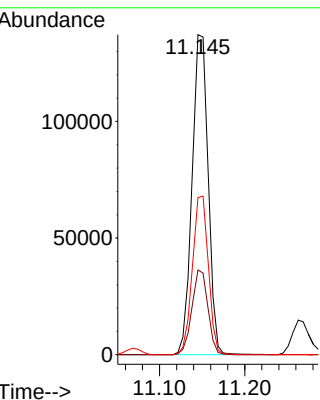
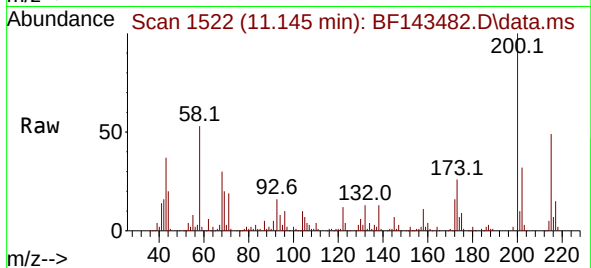
Tgt Ion:200 Resp: 180342

Ion Ratio Lower Upper

200 100

173 26.5 6.9 46.9

215 49.1 30.0 70.0



#70

Pentachlorophenol

Concen: 53.767 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

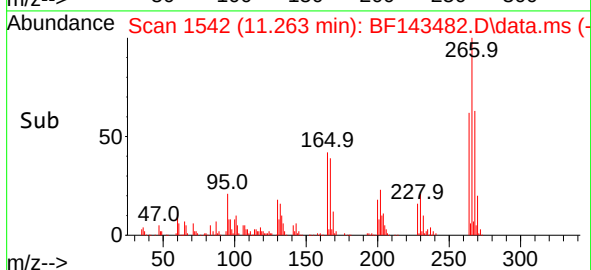
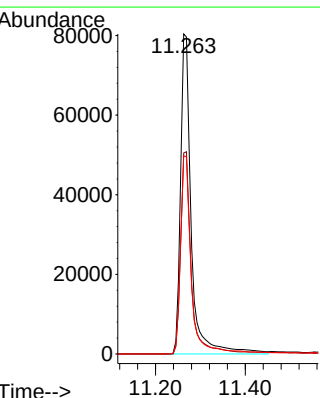
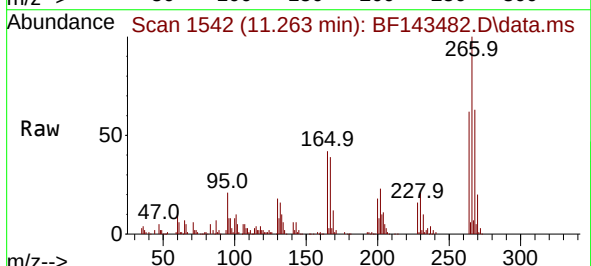
Tgt Ion:266 Resp: 133776

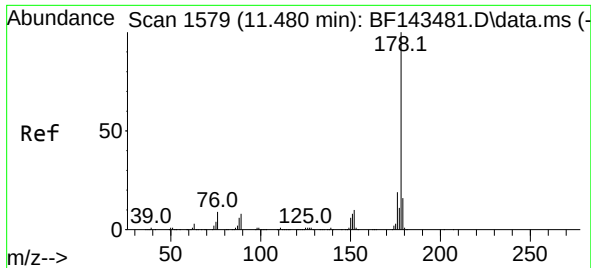
Ion Ratio Lower Upper

266 100

268 62.8 50.5 75.7

264 62.0 49.8 74.8

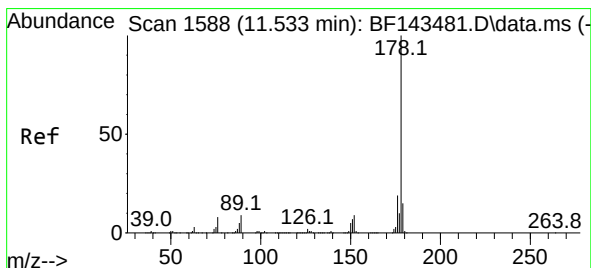
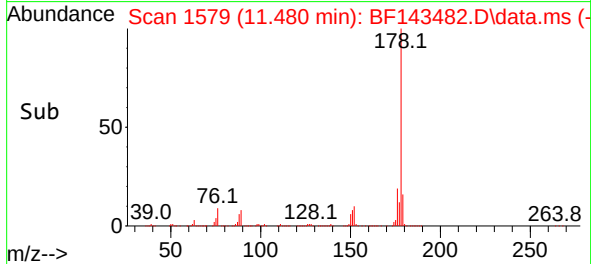
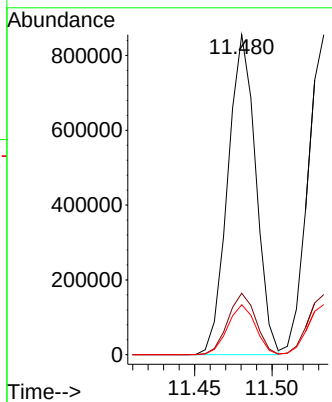
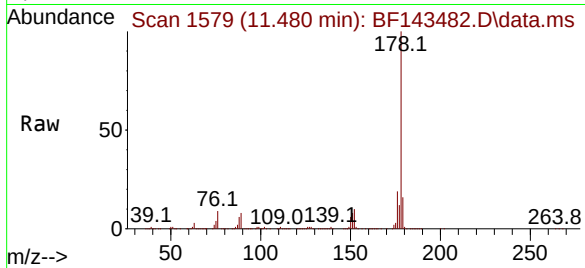




#71
Phenanthrene
Concen: 47.383 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

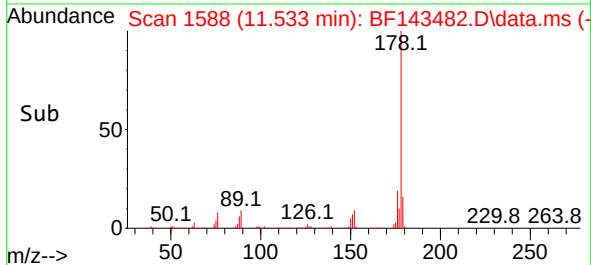
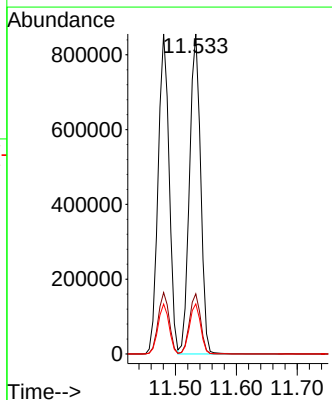
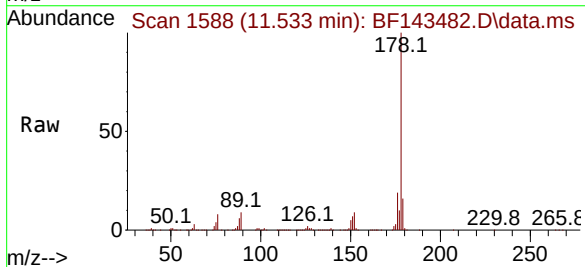
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

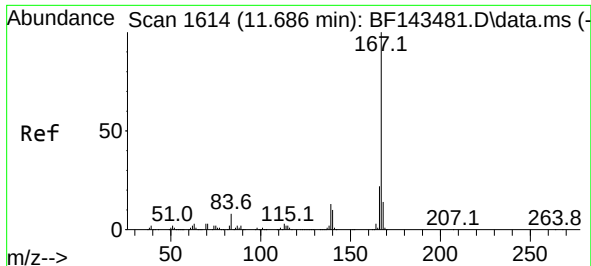
Tgt Ion:178 Resp: 1071808
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.6 12.5 18.7



#72
Anthracene
Concen: 47.117 ng
RT: 11.533 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

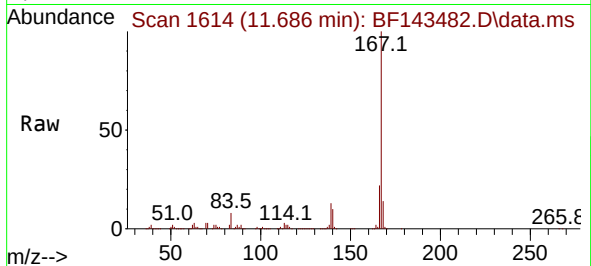
Tgt Ion:178 Resp: 1079686
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.7 12.3 18.5



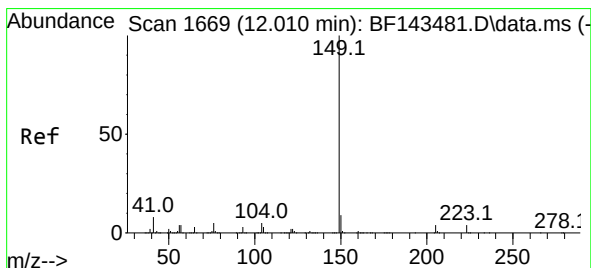
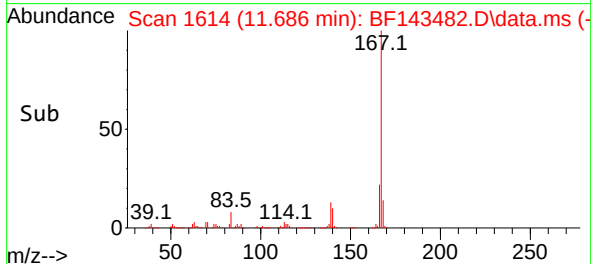
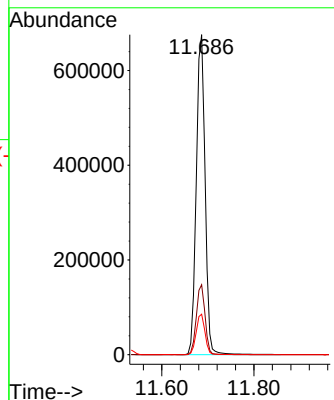


#73
 Carbazole
 Concen: 47.738 ng
 RT: 11.686 min Scan# 1614
 Delta R.T. -0.000 min
 Lab File: BF143482.D
 Acq: 20 Aug 2025 13:22

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

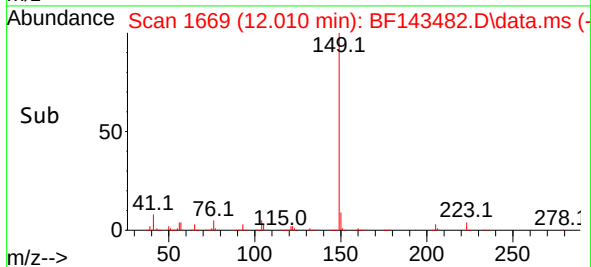
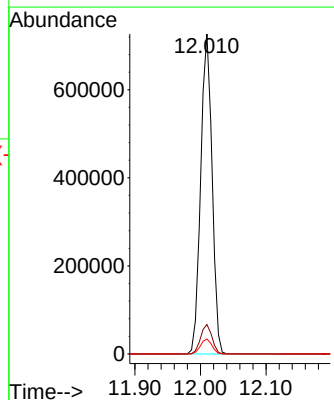
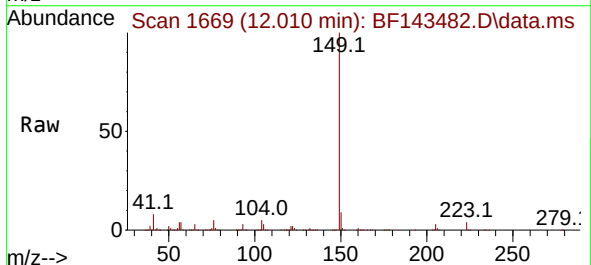


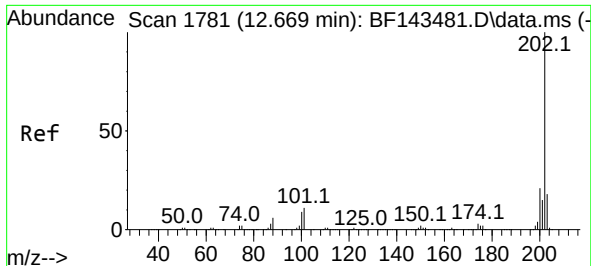
Tgt Ion:167 Resp: 896352
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.3 25.9
 139 12.7 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 50.228 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF143482.D
 Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 879812
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.2 10.8
 104 4.7 3.6 5.4

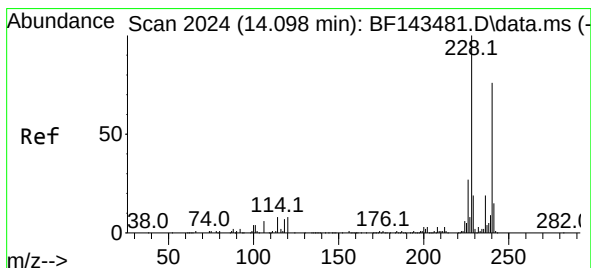
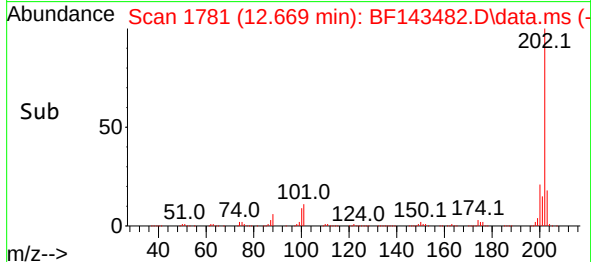
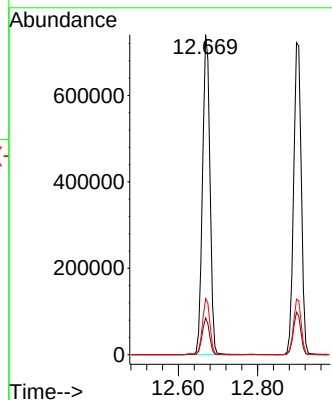
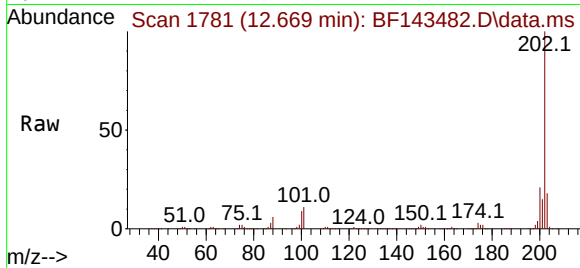




#75
Fluoranthene
Concen: 47.536 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

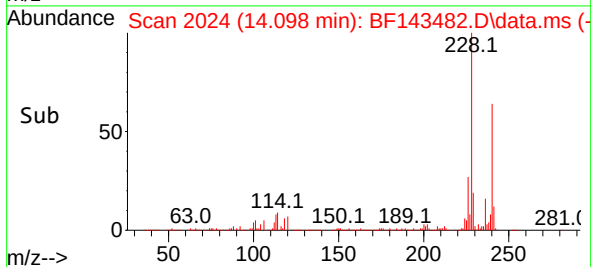
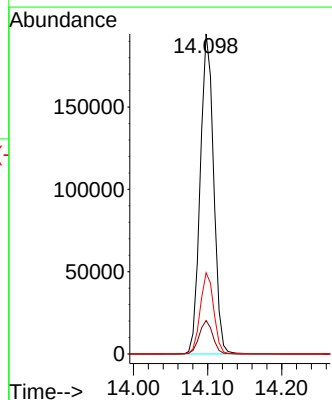
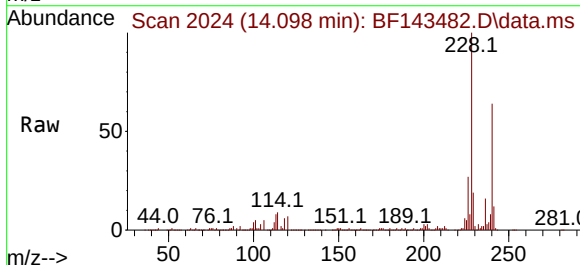
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

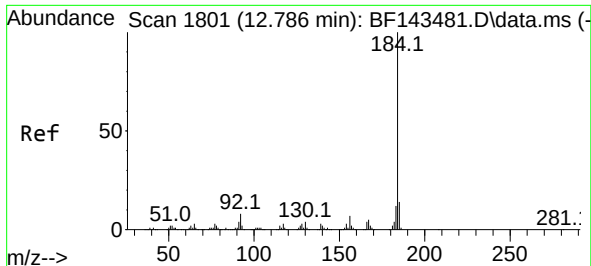
Tgt Ion:	202	Resp:	964831
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.3
203	17.6	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:	240	Resp:	244315
Ion Ratio	Lower	Upper	
240	100		
120	10.5	8.6	12.8
236	25.3	20.4	30.6

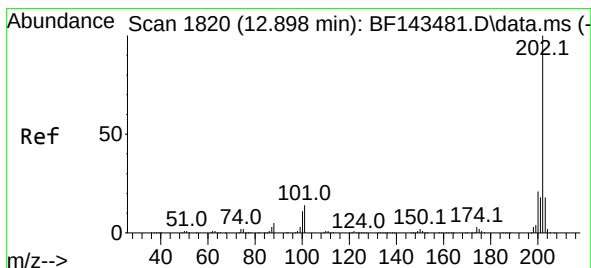
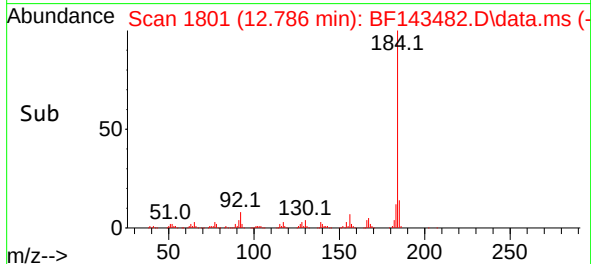
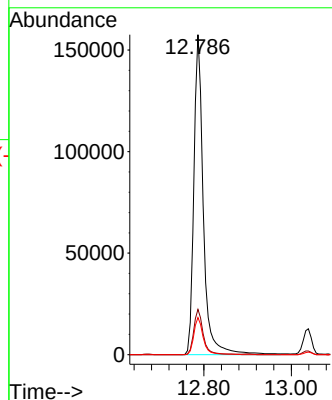
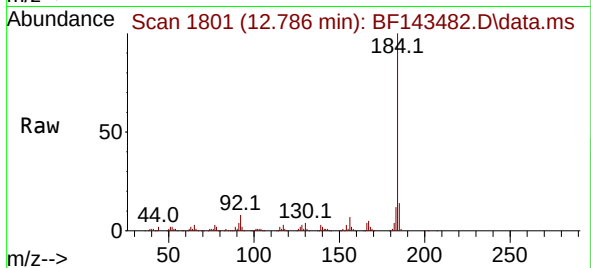




#77
Benzidine
Concen: 40.122 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

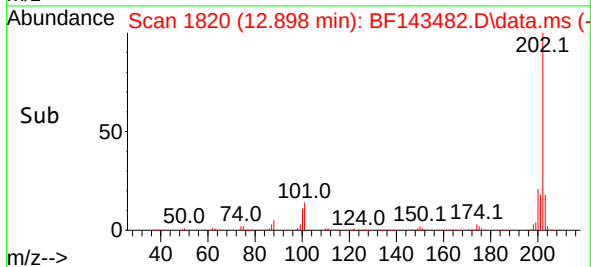
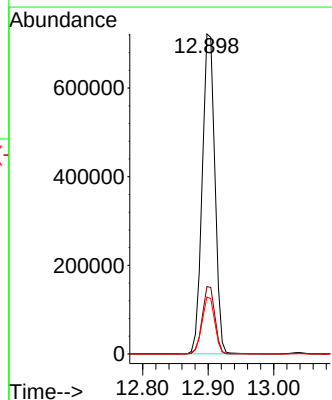
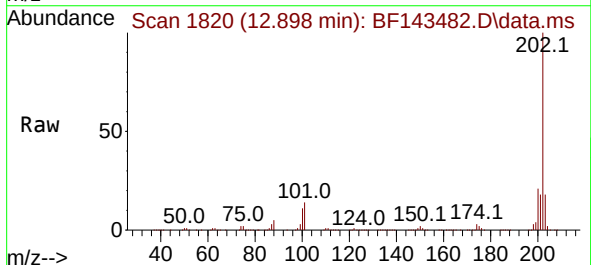
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

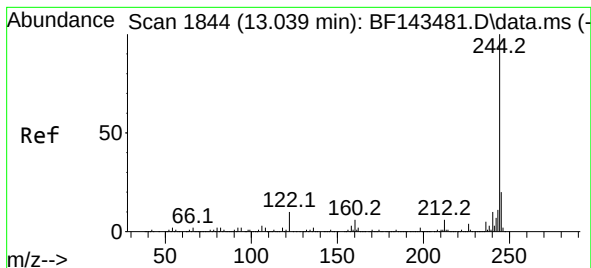
Tgt Ion:184 Resp: 238772
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 11.6 9.5 14.3



#78
Pyrene
Concen: 48.316 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:202 Resp: 970991
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 95.465 ng

RT: 13.039 min Scan# 1844

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

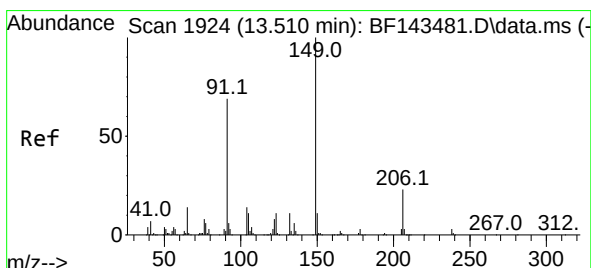
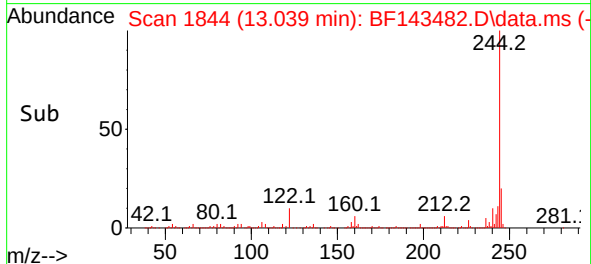
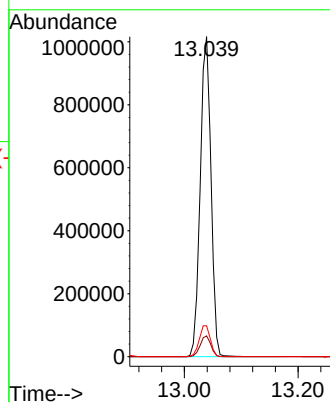
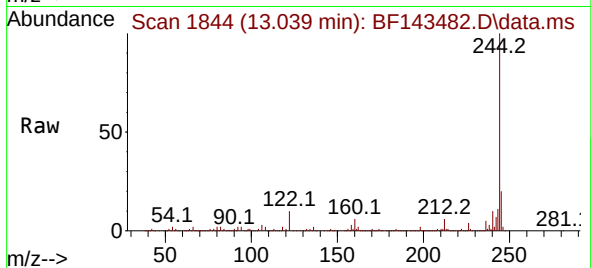
Tgt Ion:244 Resp: 1336561

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 9.7 7.9 11.9



#80

Butylbenzylphthalate

Concen: 51.304 ng

RT: 13.510 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

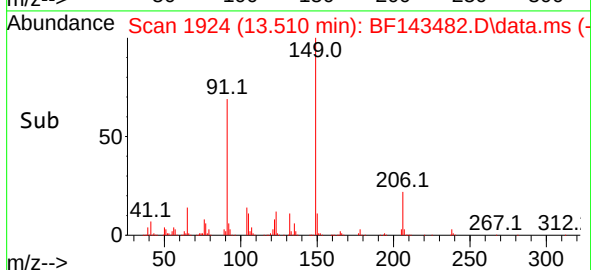
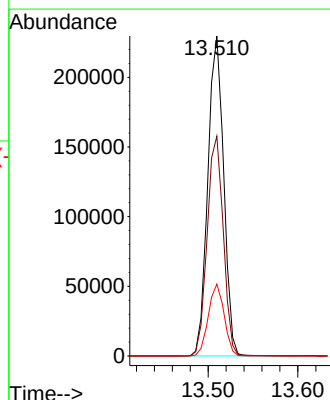
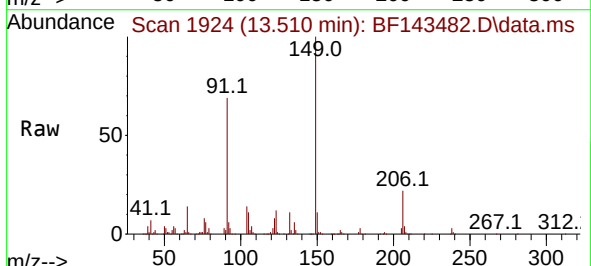
Tgt Ion:149 Resp: 281664

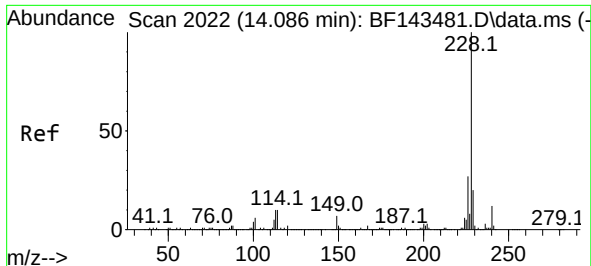
Ion Ratio Lower Upper

149 100

91 68.7 55.3 82.9

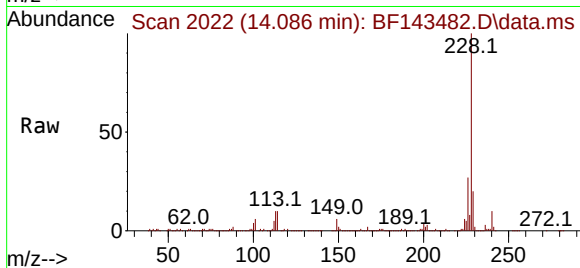
206 22.5 18.2 27.4



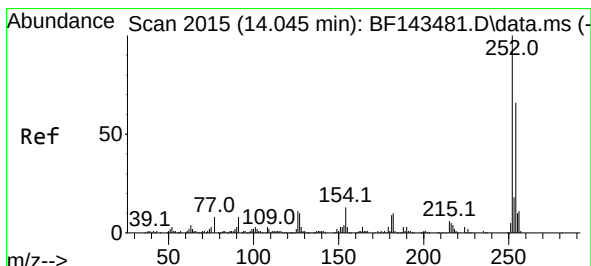
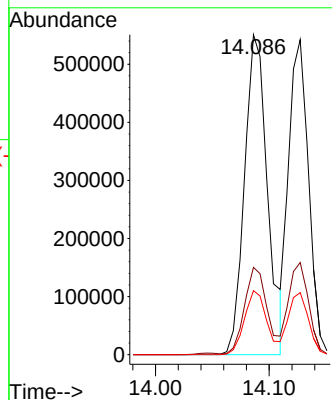
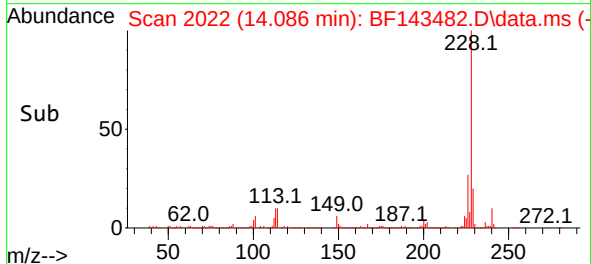


#81
Benzo(a)anthracene
Concen: 49.172 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

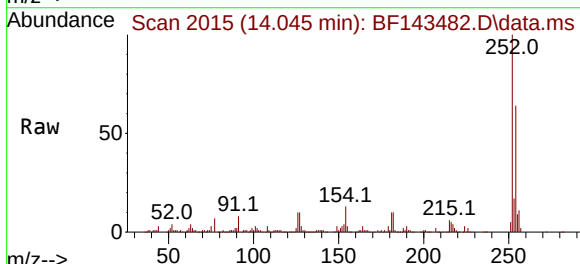
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



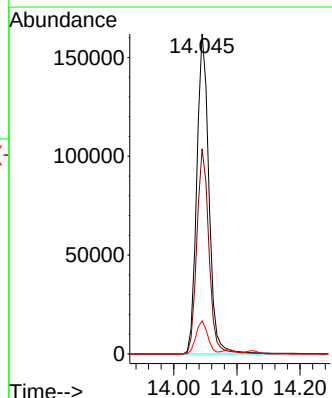
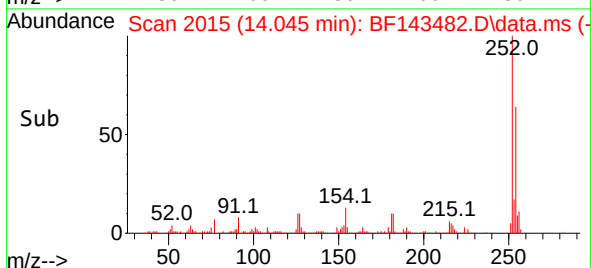
Tgt Ion:228 Resp: 773434
Ion Ratio Lower Upper
228 100
226 27.3 21.7 32.5
229 20.0 15.7 23.5

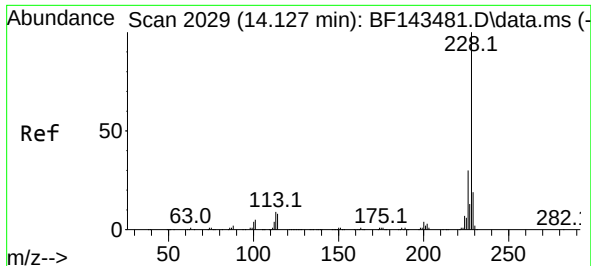


#82
3,3'-Dichlorobenzidine
Concen: 47.957 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22



Tgt Ion:252 Resp: 216024
Ion Ratio Lower Upper
252 100
254 64.1 52.6 79.0
126 10.3 8.7 13.1

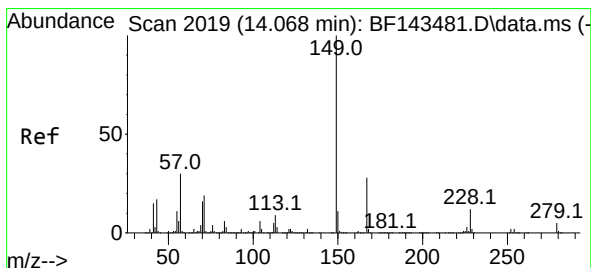
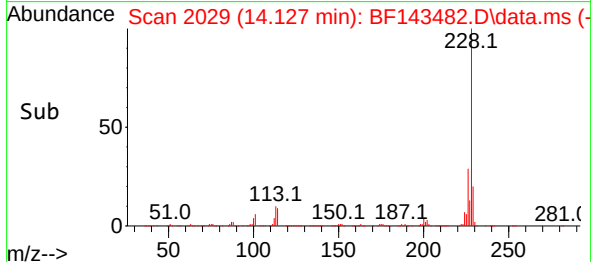
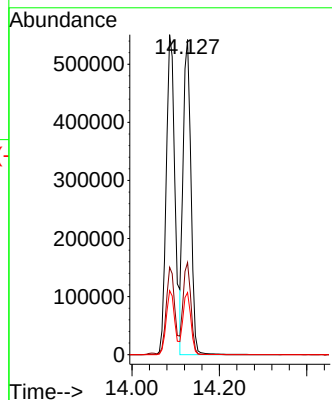
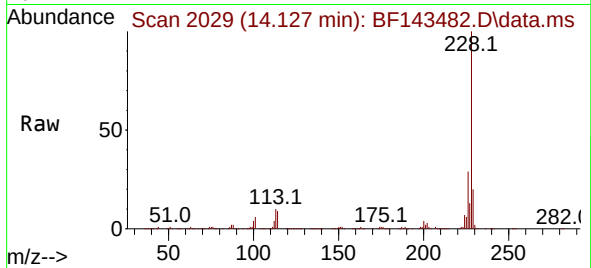




#83
Chrysene
Concen: 47.050 ng
RT: 14.127 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

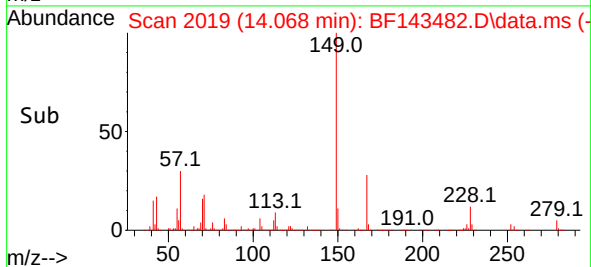
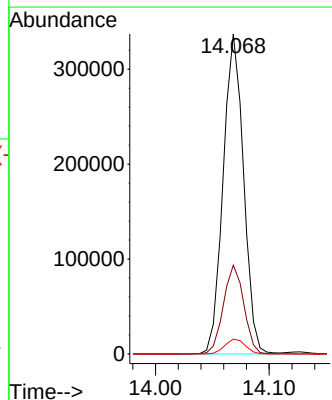
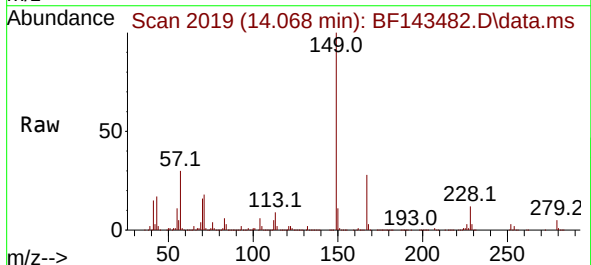
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

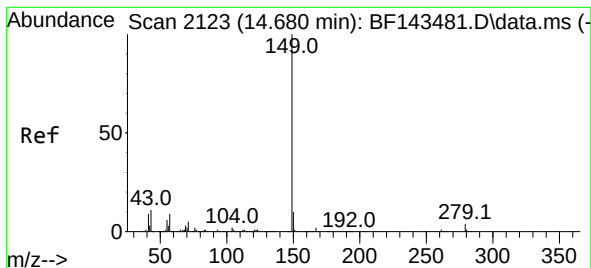
Tgt Ion:228 Resp: 665070
Ion Ratio Lower Upper
228 100
226 29.2 23.7 35.5
229 19.7 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.372 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 421199
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.2
279 4.7 3.6 5.4

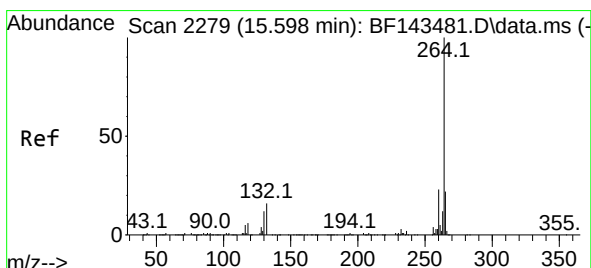
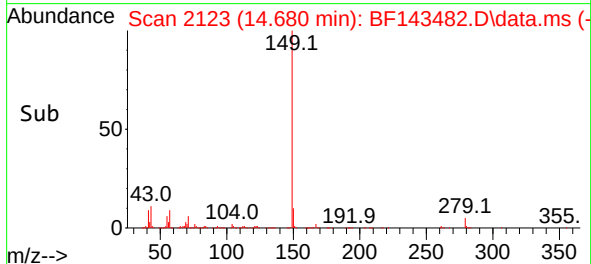
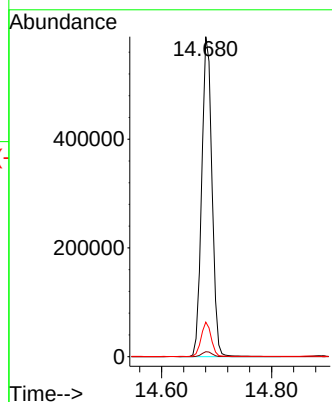
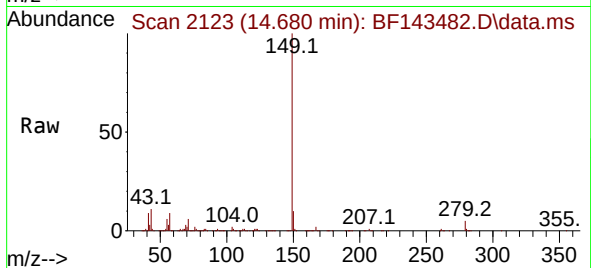




#85
Di-n-octyl phthalate
Concen: 49.329 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

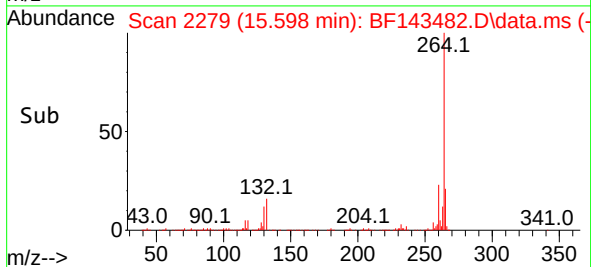
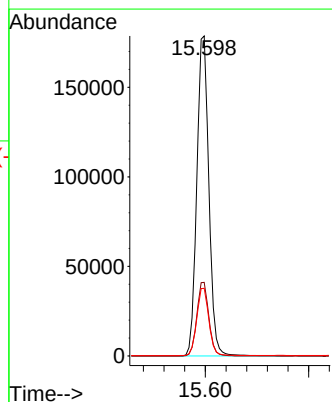
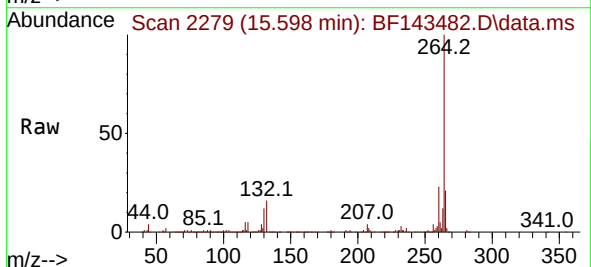
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

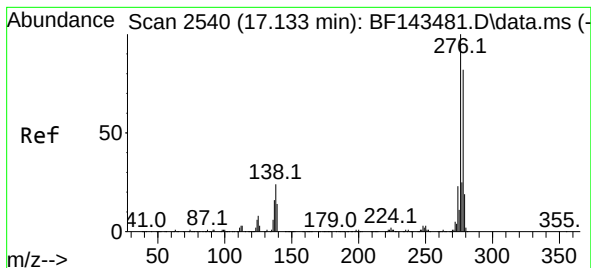
Tgt Ion:149 Resp: 764123
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.5 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:264 Resp: 288719
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.1 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.646 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

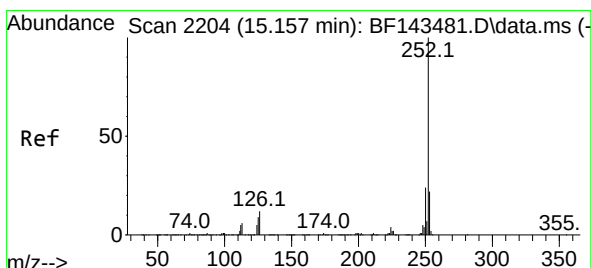
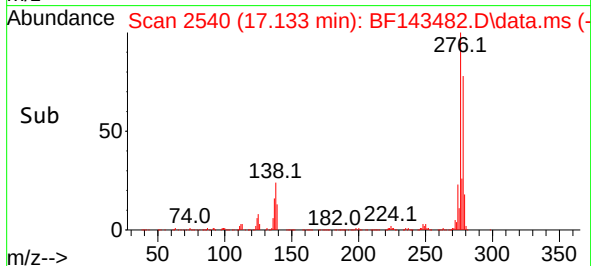
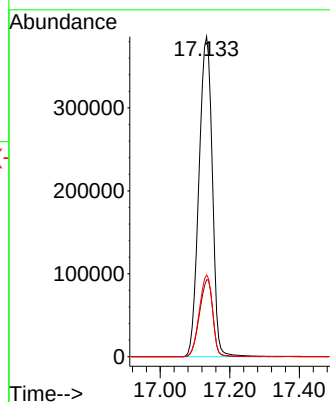
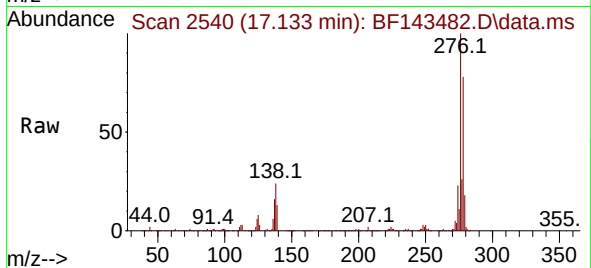
Tgt Ion:276 Resp: 1030025

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 47.579 ng

RT: 15.157 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

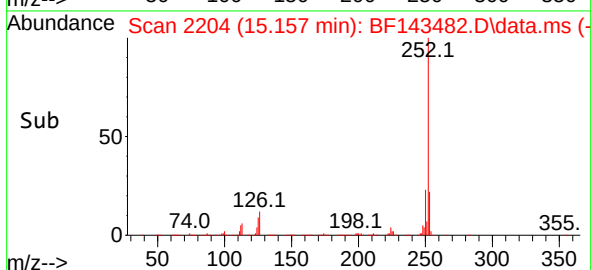
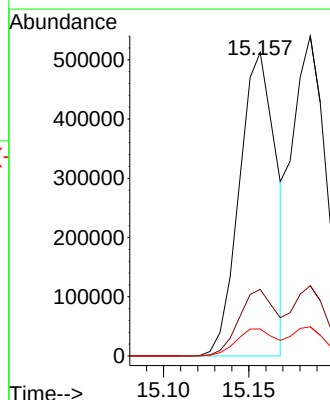
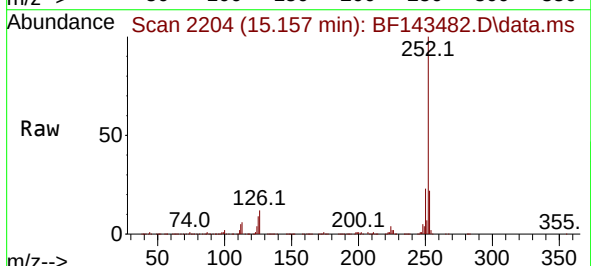
Tgt Ion:252 Resp: 763584

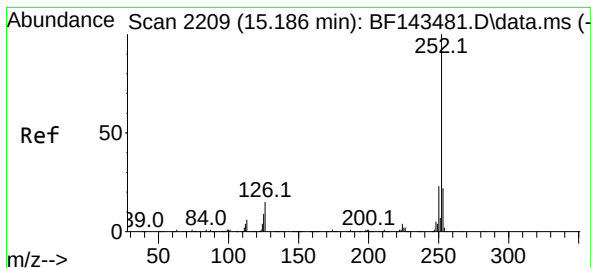
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 48.570 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

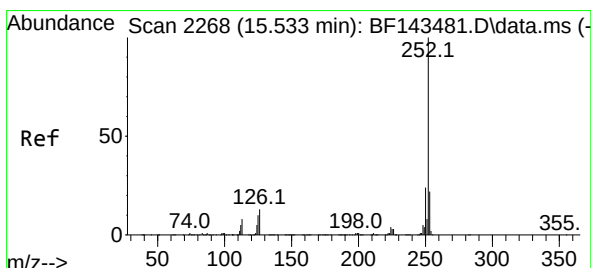
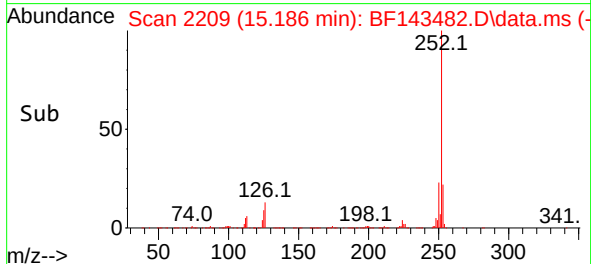
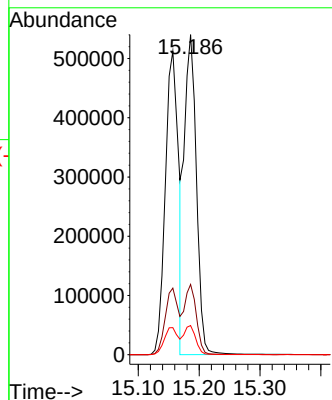
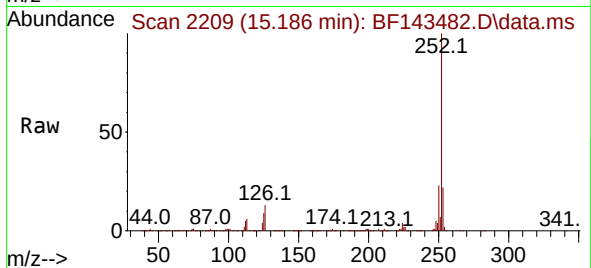
Tgt Ion:252 Resp: 746332

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.1 7.4 11.0



#90

Benzo(a)pyrene

Concen: 48.927 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

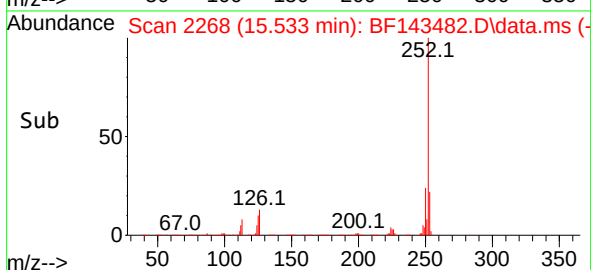
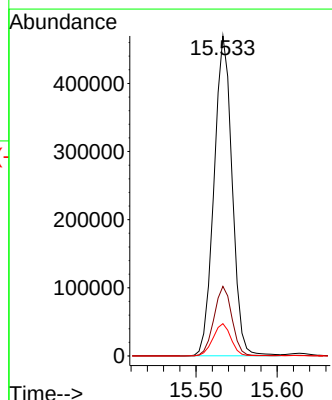
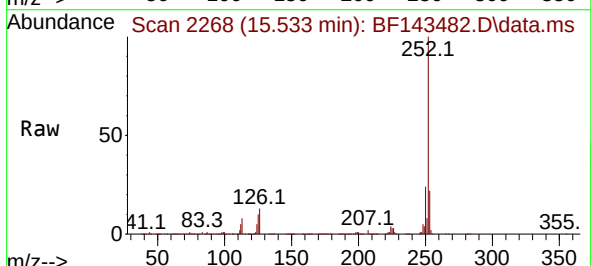
Tgt Ion:252 Resp: 728853

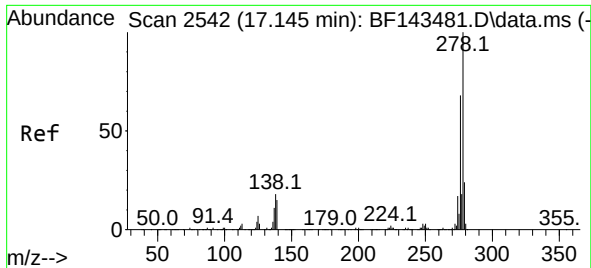
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 10.1 8.2 12.2

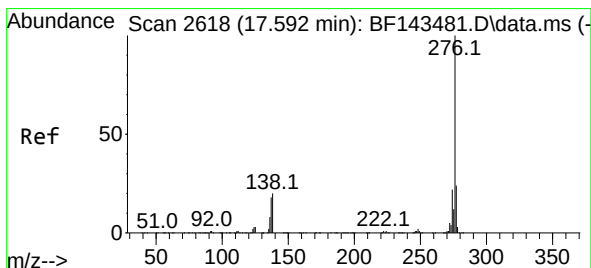
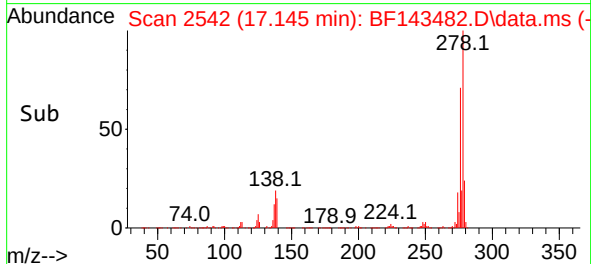
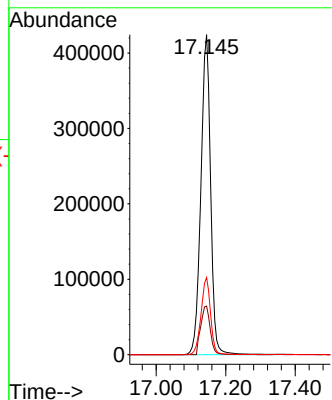
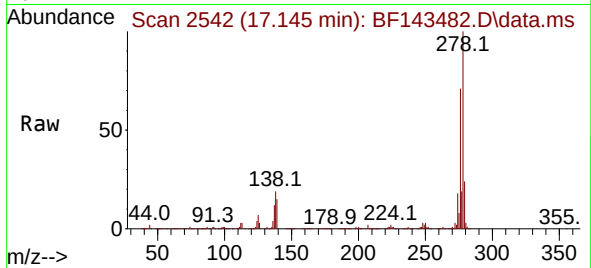




#91
Dibenzo(a,h)anthracene
Concen: 49.612 ng
RT: 17.145 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

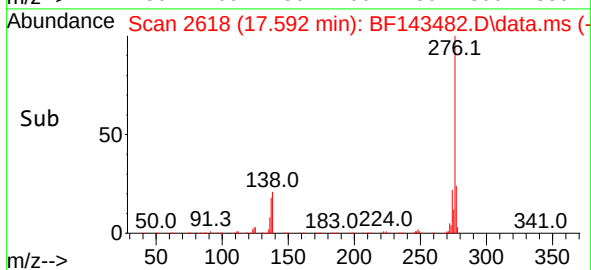
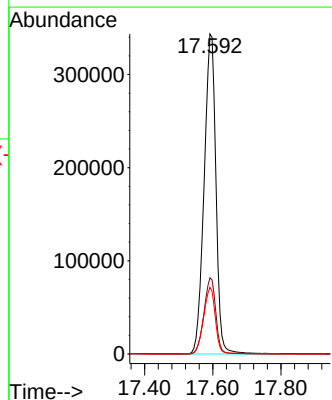
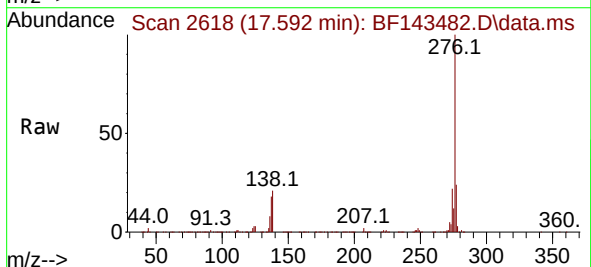
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 824368
Ion Ratio Lower Upper
278 100
139 15.2 12.1 18.1
279 24.1 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 50.042 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:276 Resp: 826803
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 20.8 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143483.D
 Acq On : 20 Aug 2025 13:51
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 20 16:23:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	125960	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	475666	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	254778	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	374631	20.000	ng	0.00
76) Chrysene-d12	14.098	240	227355	20.000	ng	0.00
86) Perylene-d12	15.592	264	280304	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	859036	119.087	ng	0.00
7) Phenol-d6	6.569	99	1045685	117.430	ng	0.00
23) Nitrobenzene-d5	7.492	82	970478	119.058	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	280822	118.410	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1690255	109.642	ng	0.00
79) Terphenyl-d14	13.039	244	1434829	110.129	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	204781	61.281	ng	99
3) Pyridine	3.522	79	558243	62.721	ng	99
4) n-Nitrosodimethylamine	3.469	42	251614	62.886	ng	97
6) Aniline	6.593	93	704213	59.165	ng	# 85
8) 2-Chlorophenol	6.722	128	479780	60.217	ng	98
9) Benzaldehyde	6.481	77	529696	73.472	ng	99
10) Phenol	6.587	94	601782	58.663	ng	87
11) bis(2-Chloroethyl)ether	6.663	93	461238	60.168	ng	98
12) 1,3-Dichlorobenzene	6.875	146	528623	59.050	ng	100
13) 1,4-Dichlorobenzene	6.945	146	532575	59.307	ng	99
14) 1,2-Dichlorobenzene	7.098	146	503841	59.261	ng	99
15) Benzyl Alcohol	7.075	79	411011	61.650	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	705931	57.560	ng	92
17) 2-Methylphenol	7.187	107	382072	59.749	ng	99
18) Hexachloroethane	7.445	117	184846	60.543	ng	94
19) n-Nitroso-di-n-propyla...	7.345	70	314244	57.737	ng	99
20) 3+4-Methylphenols	7.340	107	445057	58.302	ng	96
22) Acetophenone	7.340	105	584698	56.897	ng	100
24) Nitrobenzene	7.510	77	510499	60.850	ng	98
25) Isophorone	7.751	82	892536	59.733	ng	99
26) 2-Nitrophenol	7.828	139	256573	62.434	ng	98
27) 2,4-Dimethylphenol	7.863	122	378590	59.098	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	541094	58.925	ng	99
29) 2,4-Dichlorophenol	8.075	162	403885	59.031	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	414723	58.956	ng	99
31) Naphthalene	8.234	128	1314277	57.551	ng	100
32) Benzoic acid	7.998	122	232136	61.815	ng	98
33) 4-Chloroaniline	8.281	127	471374	58.156	ng	99
34) Hexachlorobutadiene	8.351	225	270626	58.968	ng	99
35) Caprolactam	8.663	113	99502	60.607	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	404673	59.020	ng	100
37) 2-Methylnaphthalene	8.922	142	869902	57.034	ng	100
38) 1-Methylnaphthalene	9.022	142	828346	56.776	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	421909	57.894	ng	99
41) Hexachlorocyclopentadiene	9.081	237	172625	62.497	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	275502	61.437	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143483.D
 Acq On : 20 Aug 2025 13:51
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

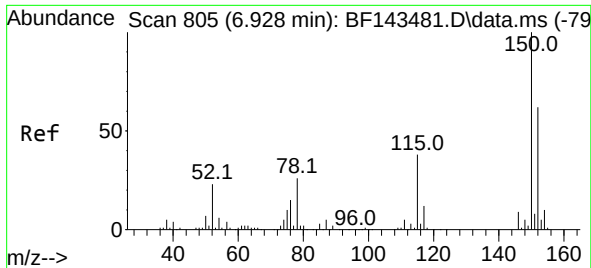
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 20 16:23:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	295585	60.345	ng	98
46) 1,1'-Biphenyl	9.386	154	1031320	57.031	ng	100
47) 2-Chloronaphthalene	9.416	162	816474	57.544	ng	99
48) 2-Nitroaniline	9.510	65	252618	60.835	ng	95
49) Acenaphthylene	9.828	152	1171986	57.687	ng	100
50) Dimethylphthalate	9.681	163	898362	58.546	ng	100
51) 2,6-Dinitrotoluene	9.745	165	196694	61.849	ng	98
52) Acenaphthene	10.004	154	798226	57.868	ng	100
53) 3-Nitroaniline	9.916	138	207068	60.257	ng	99
54) 2,4-Dinitrophenol	10.028	184	105073	62.986	ng	98
55) Dibenzofuran	10.175	168	1110414	56.463	ng	99
56) 4-Nitrophenol	10.086	139	131356	64.242	ng	97
57) 2,4-Dinitrotoluene	10.151	165	263001	61.935	ng	99
58) Fluorene	10.516	166	842185	55.641	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	226735	62.306	ng	99
60) Diethylphthalate	10.381	149	791582	57.538	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	433351	57.247	ng	99
62) 4-Nitroaniline	10.533	138	189435	60.015	ng	98
63) Azobenzene	10.669	77	815353	57.158	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	139830	66.197	ng	95
66) n-Nitrosodiphenylamine	10.622	169	714577	59.270	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	270225	60.454	ng	100
68) Hexachlorobenzene	11.069	284	288119	59.797	ng	99
69) Atrazine	11.145	200	195334	62.765	ng	99
70) Pentachlorophenol	11.263	266	146959	66.597	ng	99
71) Phenanthrene	11.480	178	1160860	57.863	ng	100
72) Anthracene	11.533	178	1164449	57.295	ng	100
73) Carbazole	11.686	167	967633	58.105	ng	99
74) Di-n-butylphthalate	12.010	149	963249	62.003	ng	99
75) Fluoranthene	12.669	202	1037239	57.619	ng	100
77) Benzidine	12.786	184	250962	45.316	ng	99
78) Pyrene	12.898	202	1030970	55.127	ng	99
80) Butylbenzylphthalate	13.510	149	347496	68.017	ng	99
81) Benzo(a)anthracene	14.086	228	897535	61.318	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	257059	61.324	ng	97
83) Chrysene	14.127	228	767443	58.342	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	523115	67.227	ng	99
85) Di-n-octyl phthalate	14.680	149	963857	66.864	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	1232879	61.208	ng	100
88) Benzo(b)fluoranthene	15.157	252	897808	57.622	ng	99
89) Benzo(k)fluoranthene	15.186	252	928660	62.250	ng	100
90) Benzo(a)pyrene	15.533	252	876864	60.630	ng	99
91) Dibenzo(a,h)anthracene	17.145	278	982366	60.896	ng	99
92) Benzo(g,h,i)perylene	17.598	276	985608	61.444	ng	100

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

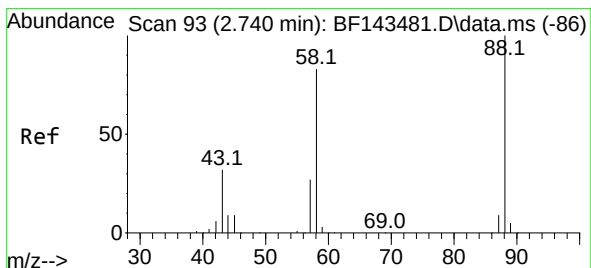
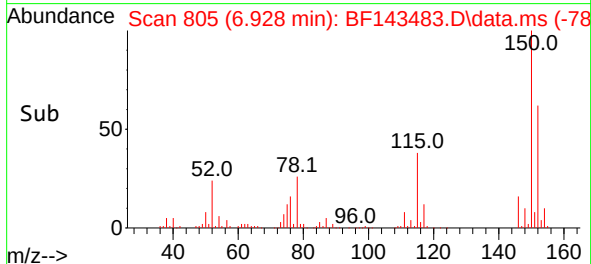
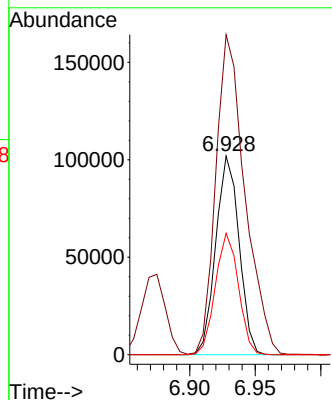
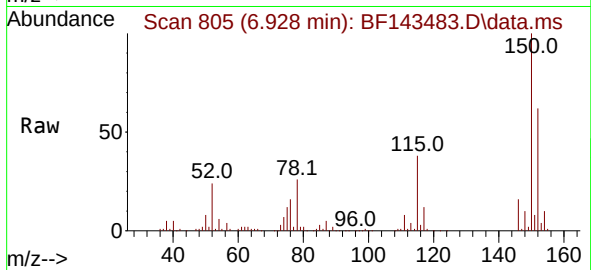
- 1
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- 16
- 17
- 18



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143483.D
 Acq: 20 Aug 2025 13:51

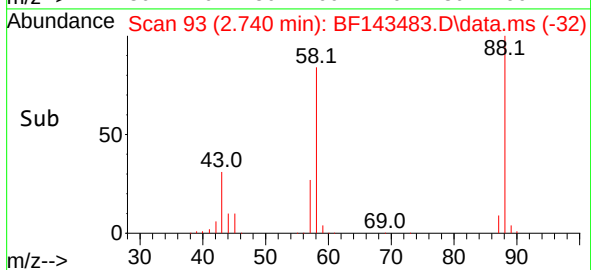
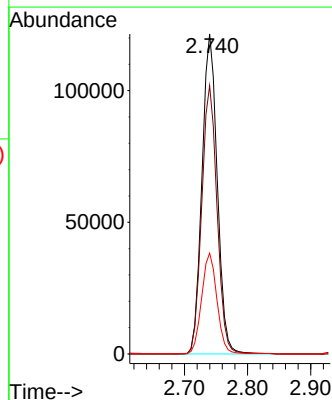
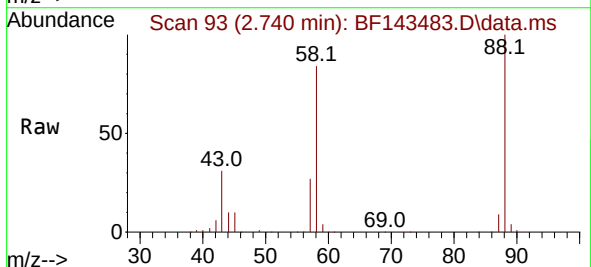
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

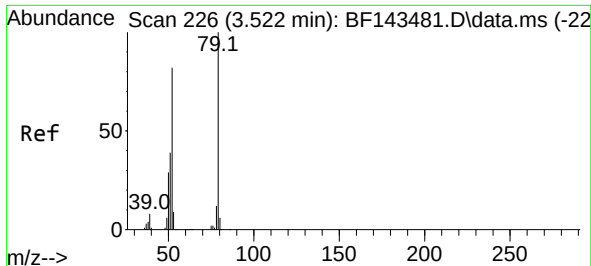
Tgt Ion:152 Resp: 125960
 Ion Ratio Lower Upper
 152 100
 150 161.2 128.9 193.3
 115 61.1 49.2 73.8



#2
 1,4-Dioxane
 Concen: 61.281 ng
 RT: 2.740 min Scan# 93
 Delta R.T. 0.006 min
 Lab File: BF143483.D
 Acq: 20 Aug 2025 13:51

Tgt Ion: 88 Resp: 204781
 Ion Ratio Lower Upper
 88 100
 58 84.0 66.7 100.1
 43 31.8 25.8 38.8





#3

Pyridine

Concen: 62.721 ng

RT: 3.522 min Scan# 216

Delta R.T. 0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

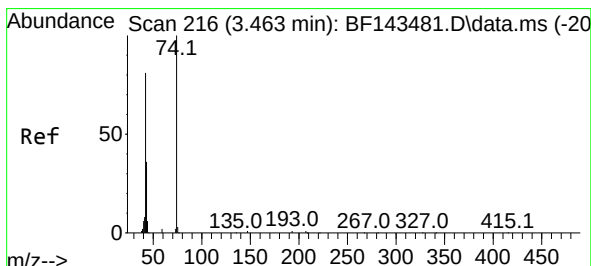
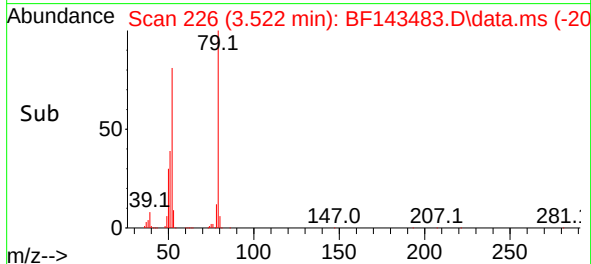
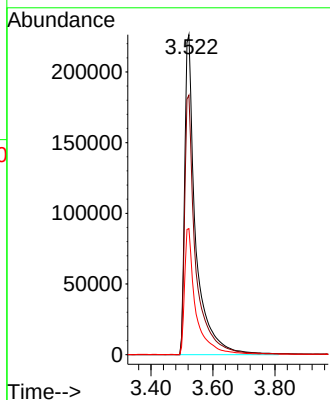
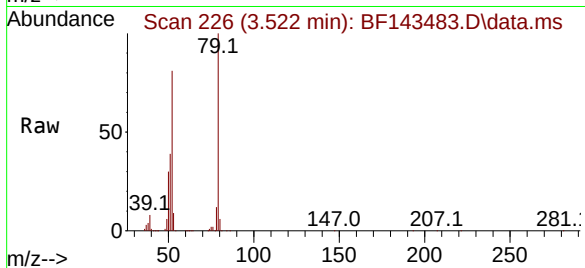
Tgt Ion: 79 Resp: 558243

Ion Ratio Lower Upper

79 100

52 81.1 65.6 98.4

51 39.4 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 62.886 ng

RT: 3.469 min Scan# 217

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

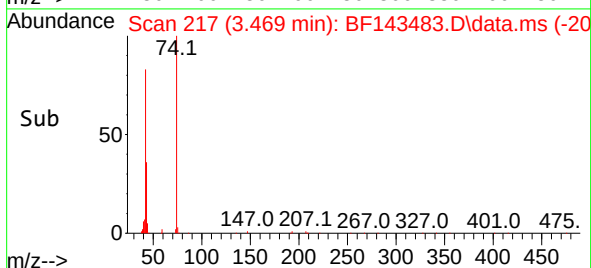
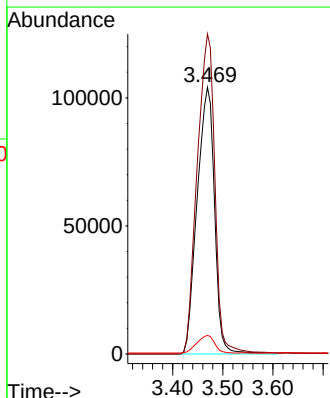
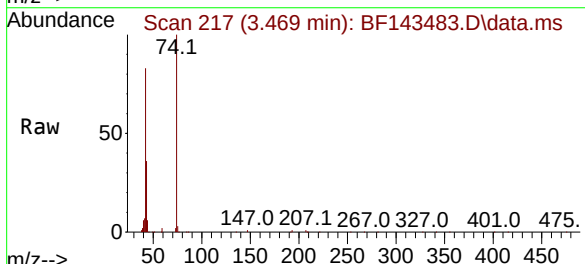
Tgt Ion: 42 Resp: 251614

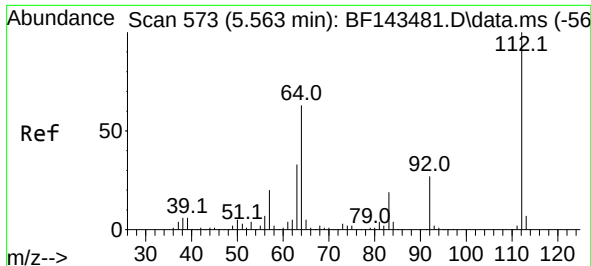
Ion Ratio Lower Upper

42 100

74 120.0 98.6 148.0

44 7.0 5.8 8.8

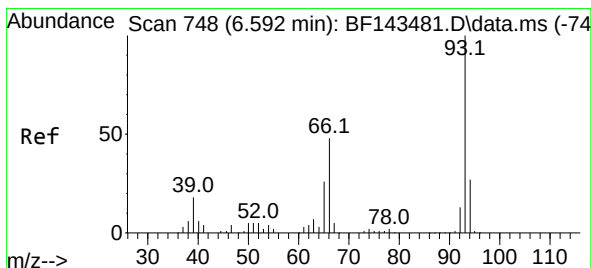
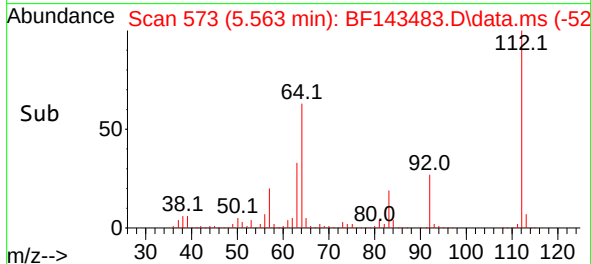
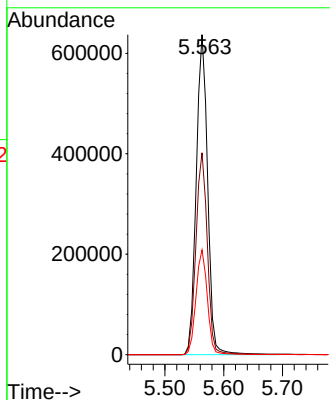
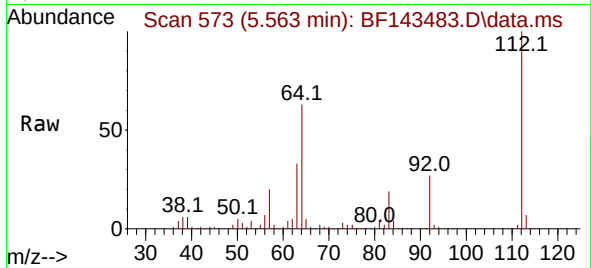




#5
2-Fluorophenol
Concen: 119.087 ng
RT: 5.563 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

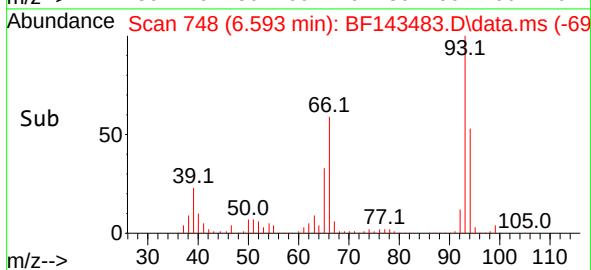
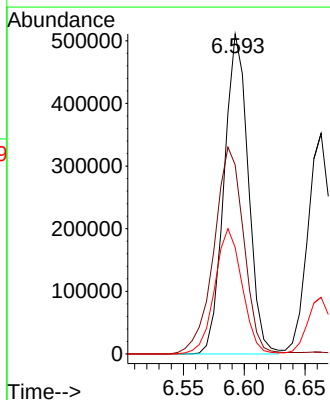
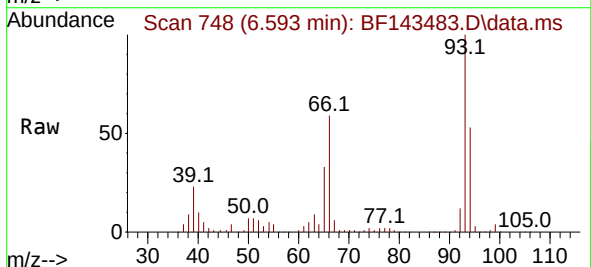
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

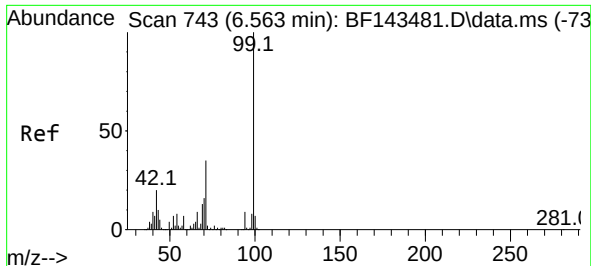
Tgt Ion:112 Resp: 859036
Ion Ratio Lower Upper
112 100
64 63.1 50.4 75.6
63 32.8 26.4 39.6



#6
Aniline
Concen: 59.165 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 93 Resp: 704213
Ion Ratio Lower Upper
93 100
66 59.1 38.9 58.3#
65 33.3 20.6 30.8#

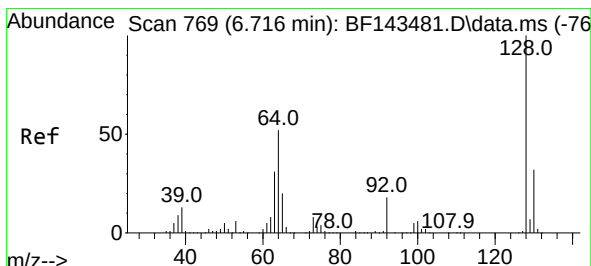
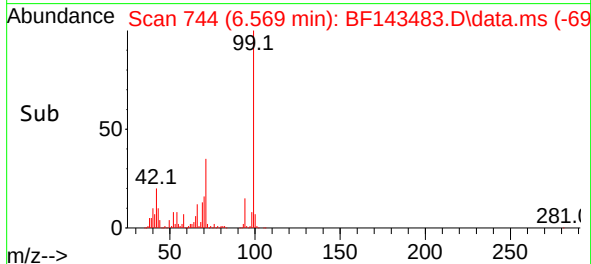
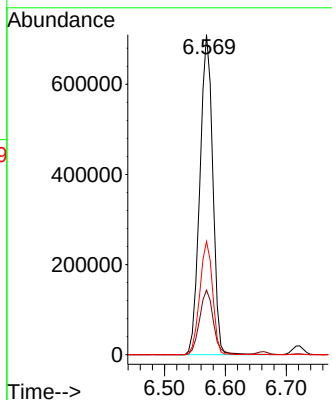
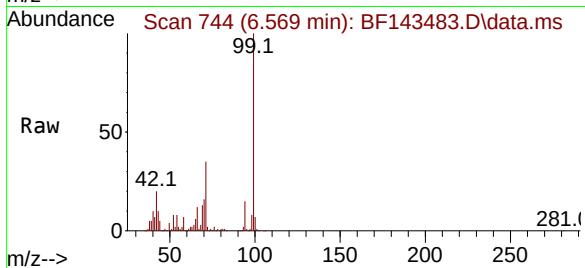




#7
Phenol-d6
Concen: 117.430 ng
RT: 6.569 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

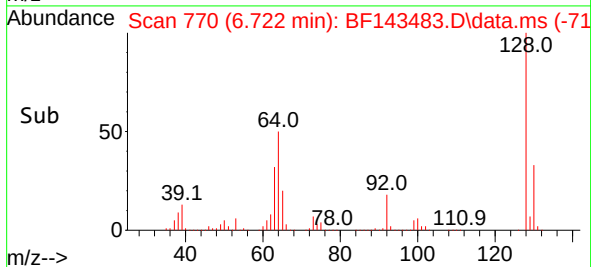
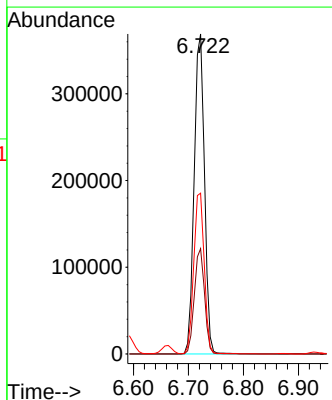
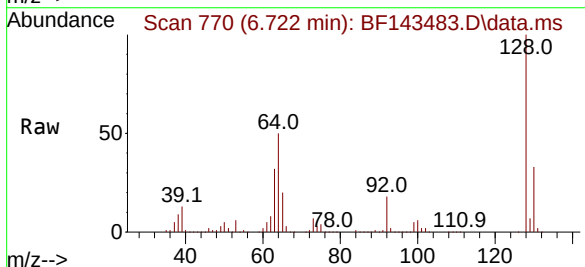
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

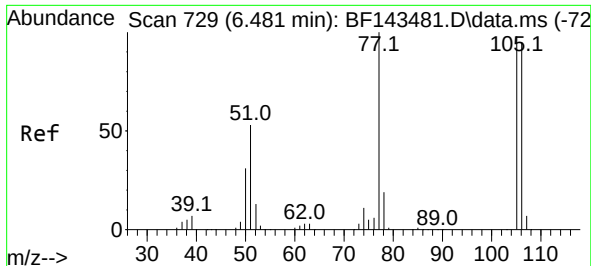
Tgt Ion: 99 Resp: 1045685
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 35.4 28.2 42.2



#8
2-Chlorophenol
Concen: 60.217 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 128 Resp: 479780
Ion Ratio Lower Upper
128 100
130 32.9 12.4 52.4
64 50.3 31.6 71.6

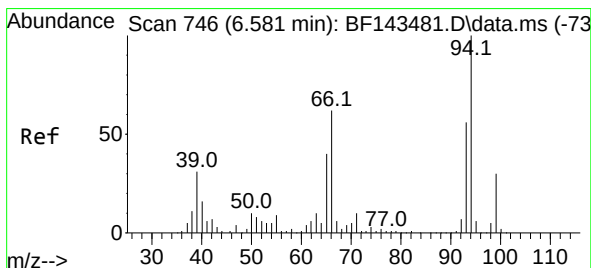
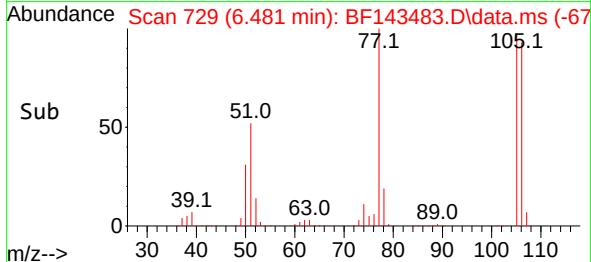
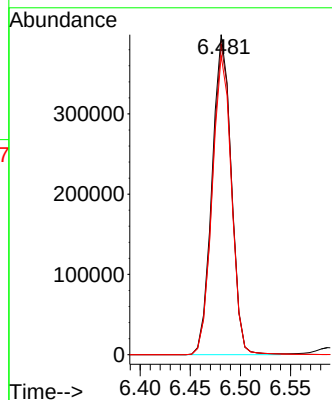
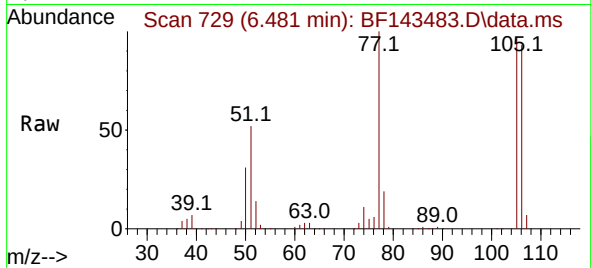




#9
Benzaldehyde
Concen: 73.472 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

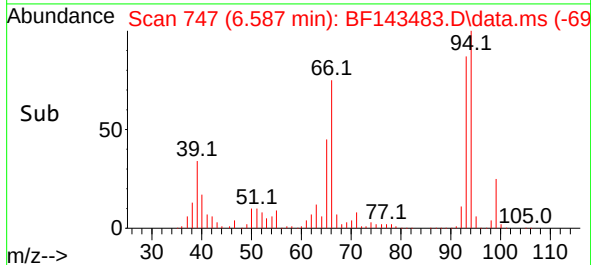
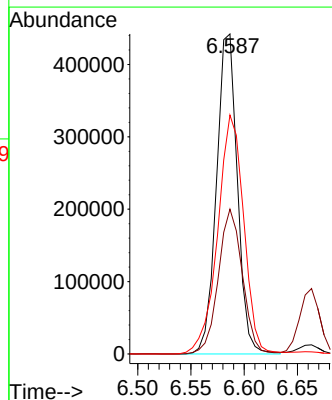
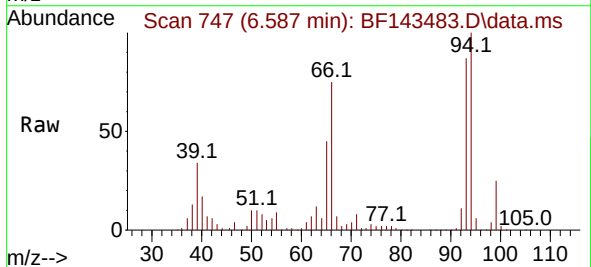
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

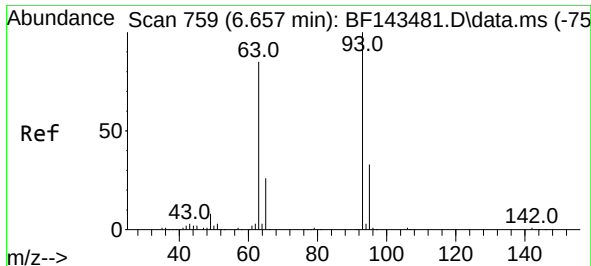
Tgt Ion: 77 Resp: 529696
Ion Ratio Lower Upper
77 100
105 97.0 78.1 118.1
106 93.4 74.9 114.9



#10
Phenol
Concen: 58.663 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 94 Resp: 601782
Ion Ratio Lower Upper
94 100
65 45.3 19.5 59.5
66 74.7 42.5 82.5

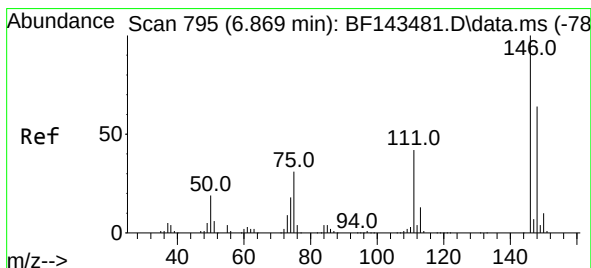
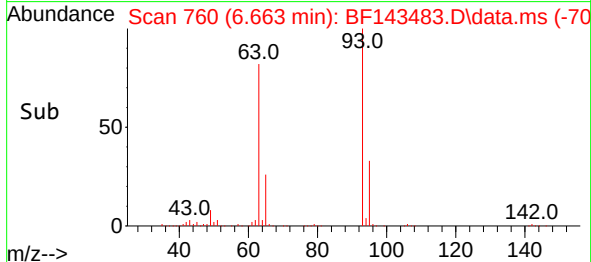
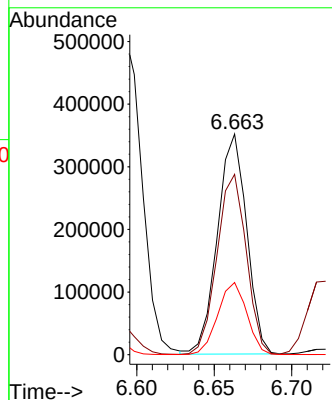
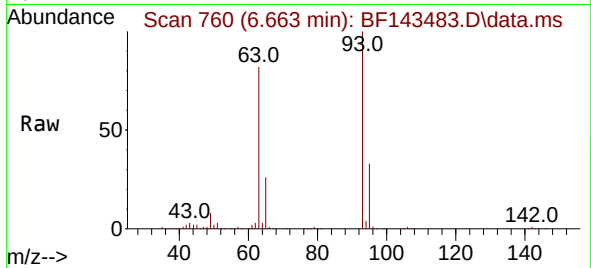




#11
bis(2-Chloroethyl)ether
Concen: 60.168 ng
RT: 6.663 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

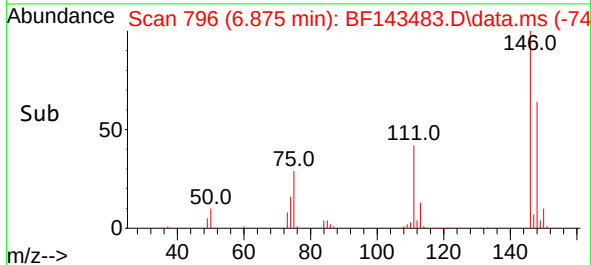
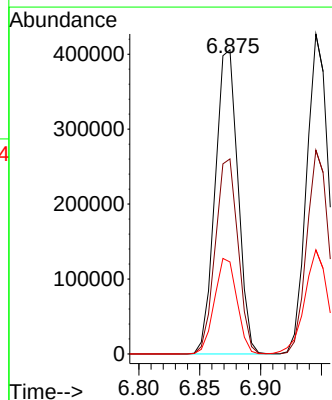
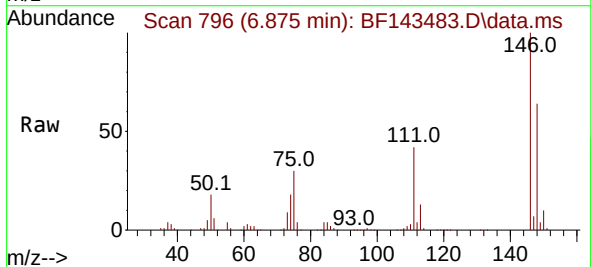
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

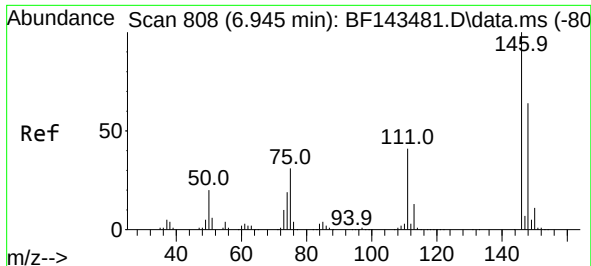
Tgt Ion: 93 Resp: 461238
Ion Ratio Lower Upper
93 100
63 81.7 63.6 103.6
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 59.050 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 146 Resp: 528623
Ion Ratio Lower Upper
146 100
148 64.1 51.3 76.9
75 30.3 24.7 37.1

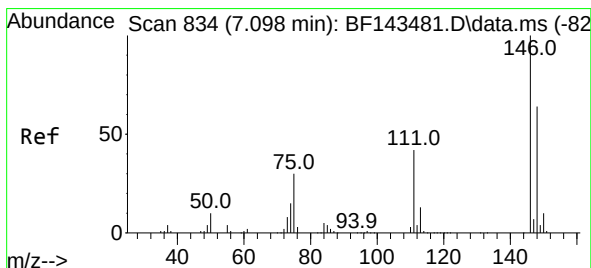
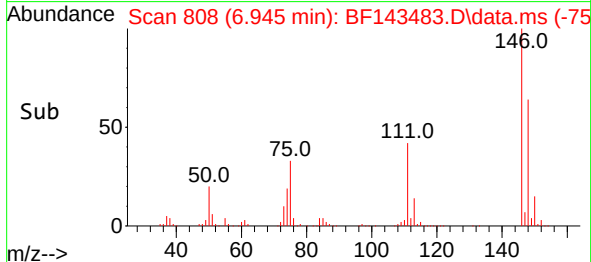
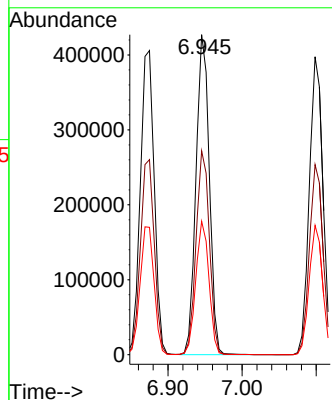
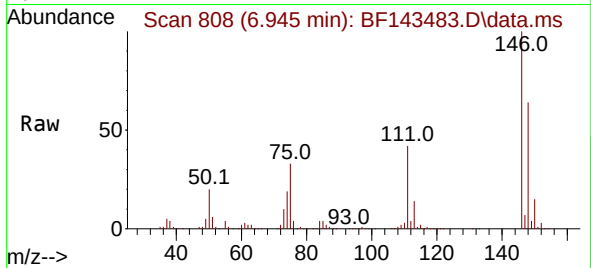




#13
1,4-Dichlorobenzene
Concen: 59.307 ng
RT: 6.945 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

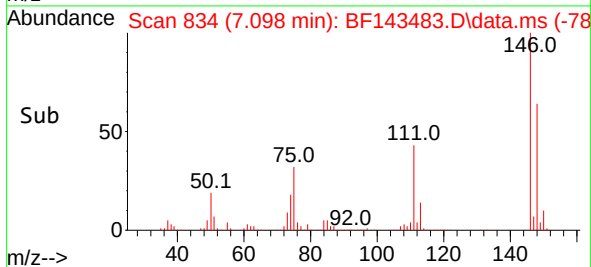
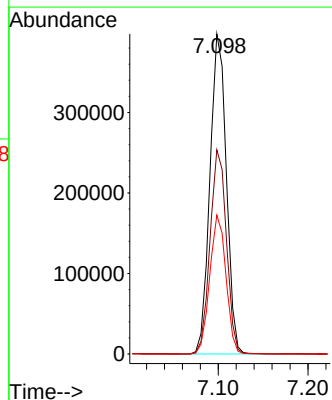
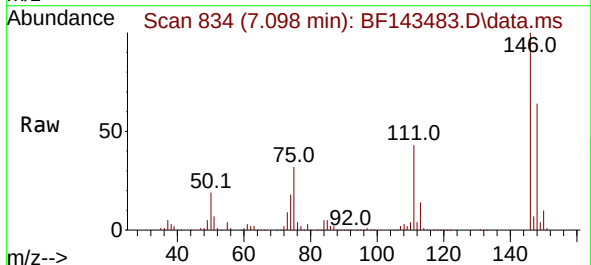
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

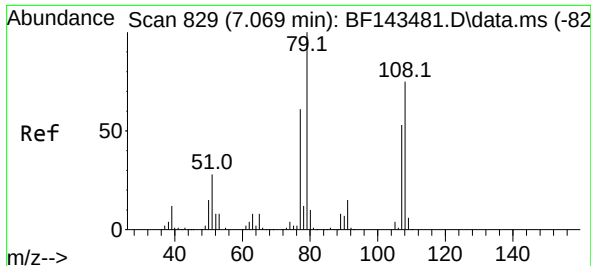
Tgt Ion:146 Resp: 532575
Ion Ratio Lower Upper
146 100
148 63.7 51.5 77.3
111 41.7 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 59.261 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:146 Resp: 503841
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.6
111 43.4 34.0 51.0

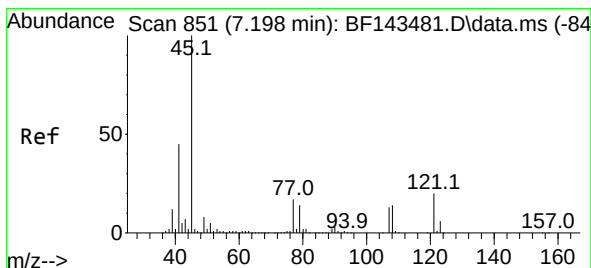
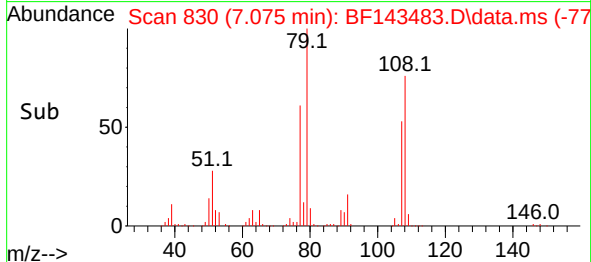
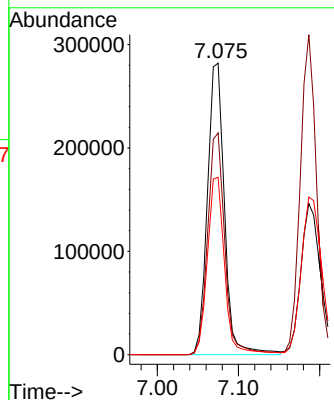
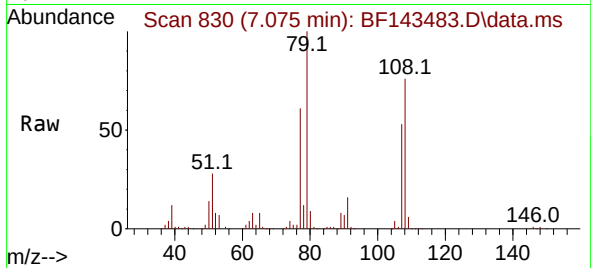




#15
Benzyl Alcohol
Concen: 61.650 ng
RT: 7.075 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

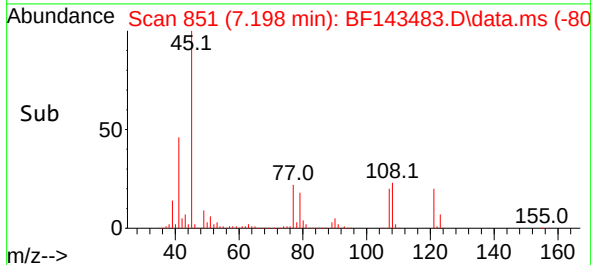
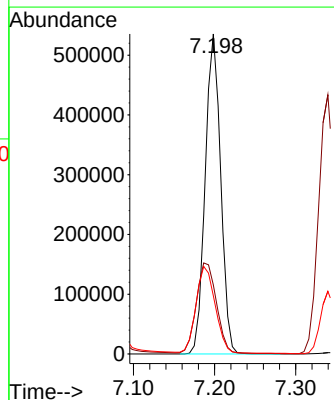
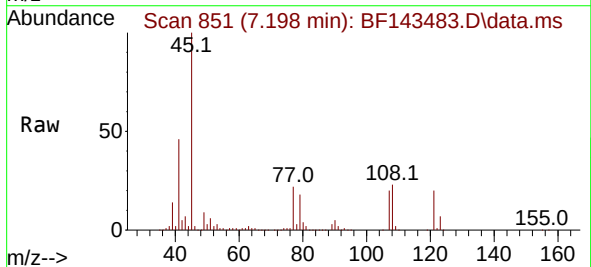
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

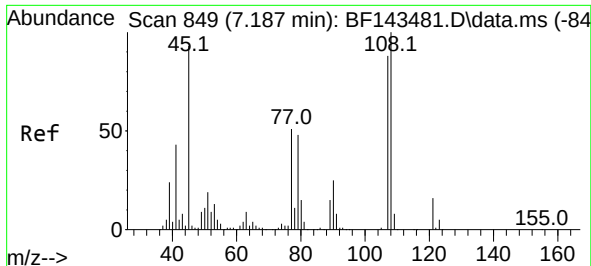
Tgt Ion: 79 Resp: 411011
Ion Ratio Lower Upper
79 100
108 76.1 59.8 89.6
77 60.8 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.560 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 45 Resp: 705931
Ion Ratio Lower Upper
45 100
77 21.6 0.0 37.9
79 18.2 0.0 34.7

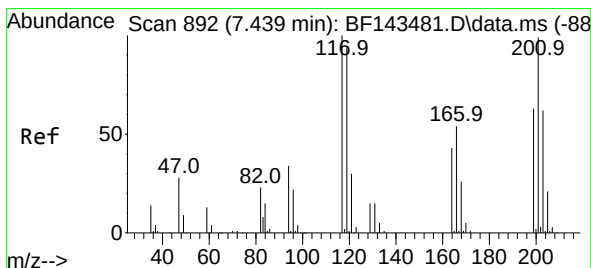
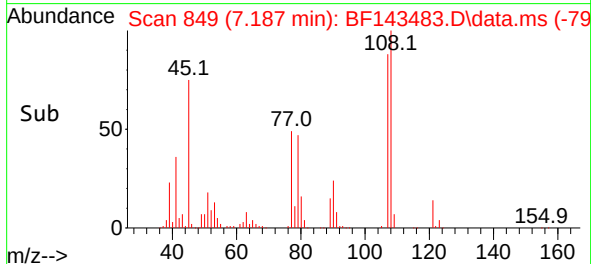
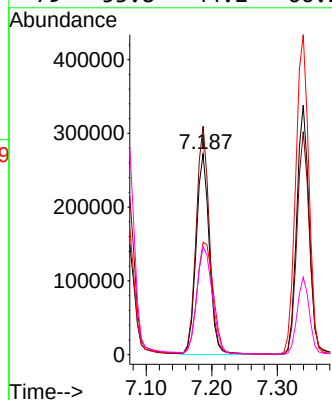
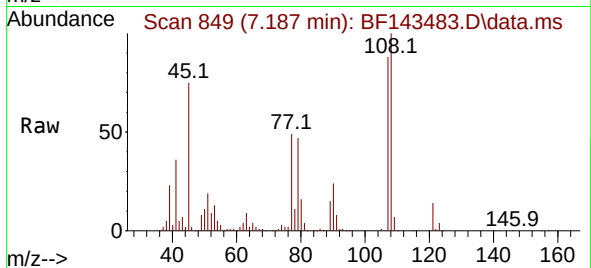




#17
2-Methylphenol
Concen: 59.749 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

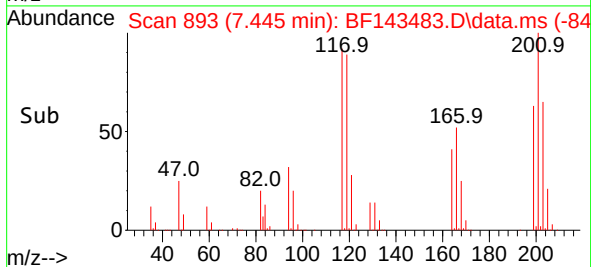
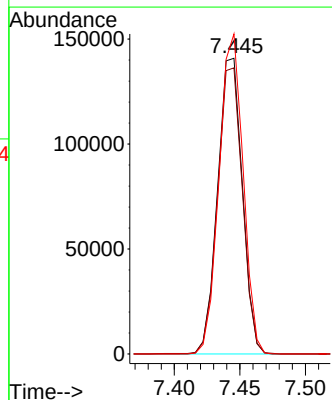
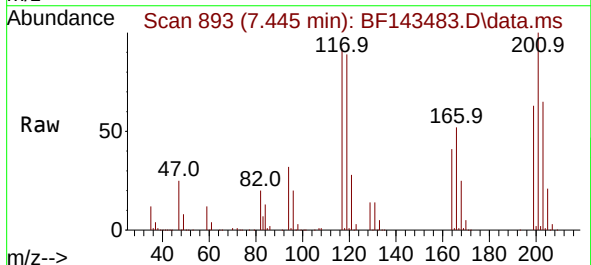
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

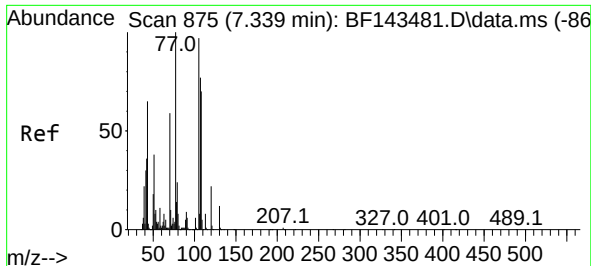
Tgt Ion:	107	Resp:	382072
Ion Ratio	Lower	Upper	
107	100		
108	113.8	91.1	136.7
77	56.0	46.2	69.4
79	53.8	44.2	66.2



#18
Hexachloroethane
Concen: 60.543 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:	117	Resp:	184846
Ion Ratio	Lower	Upper	
117	100		
119	96.7	75.4	113.0
201	108.2	79.0	118.4

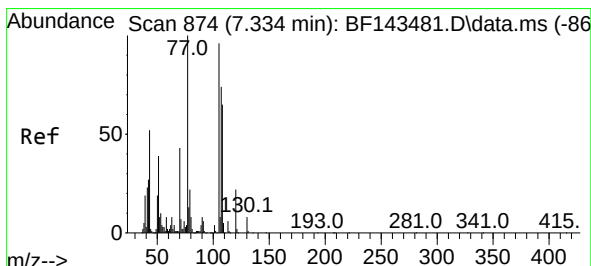
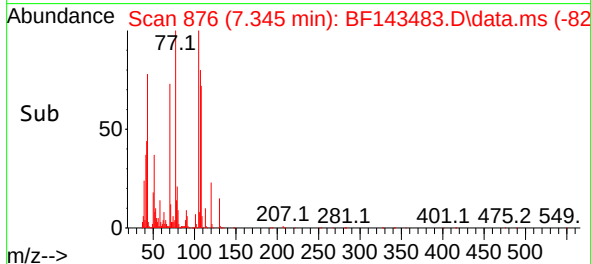
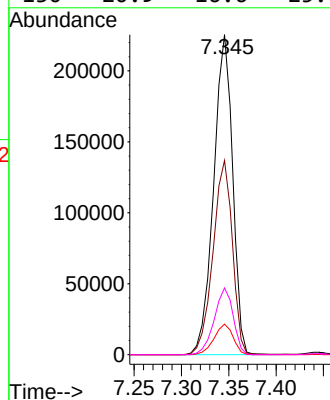
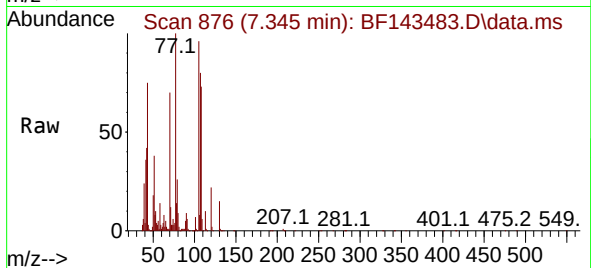




#19
n-Nitroso-di-n-propylamine
Concen: 57.737 ng
RT: 7.345 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

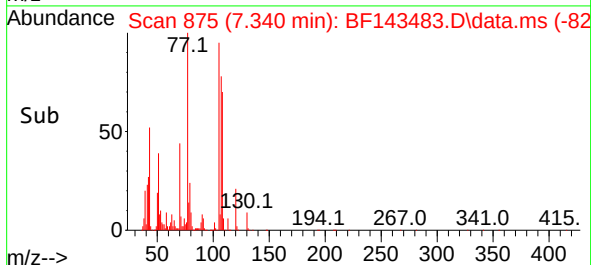
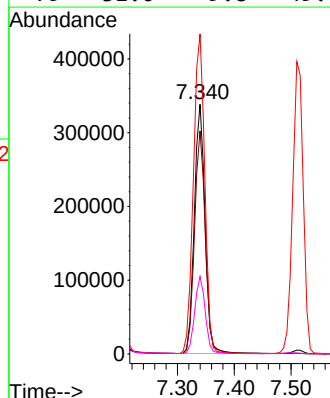
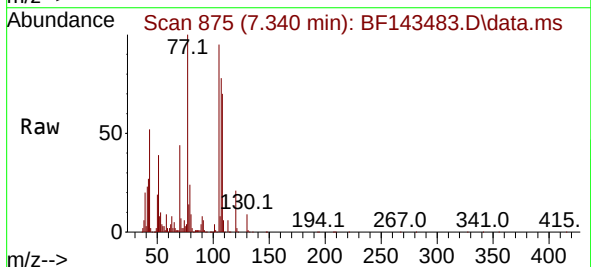
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

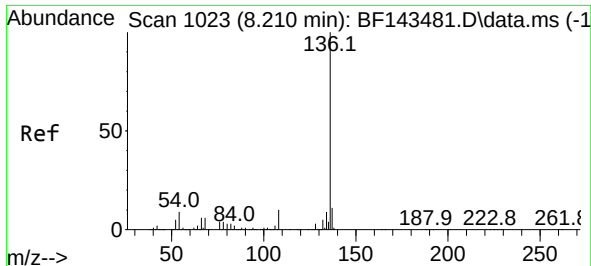
Tgt Ion: 70 Resp: 314244
Ion Ratio Lower Upper
70 100
42 60.7 49.3 73.9
101 9.6 7.8 11.8
130 20.9 16.6 25.0



#20
3+4-Methylphenols
Concen: 58.302 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 107 Resp: 445057
Ion Ratio Lower Upper
107 100
108 89.4 68.4 108.4
77 128.2 116.1 156.1
79 31.0 9.8 49.8

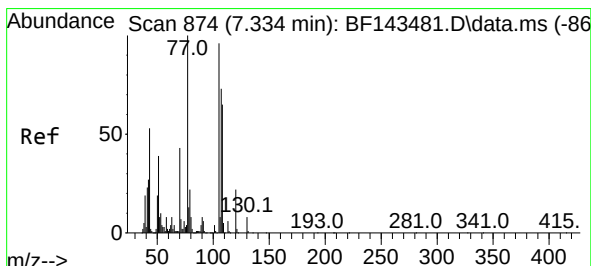
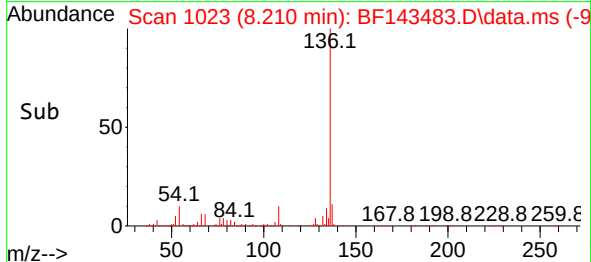
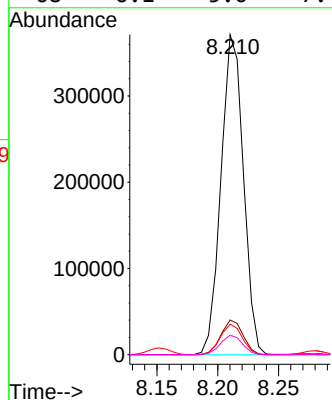
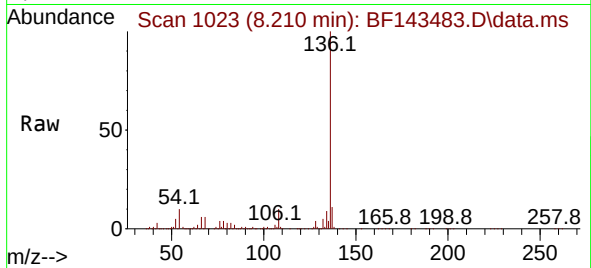




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

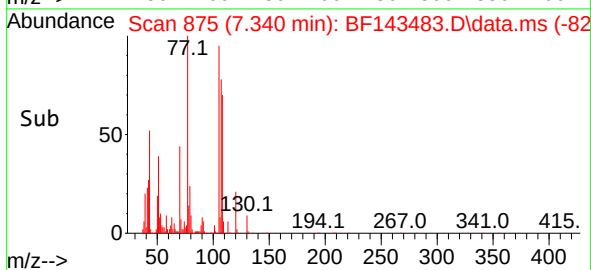
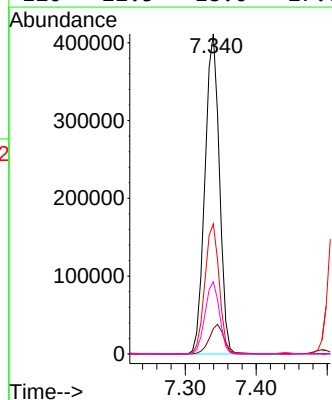
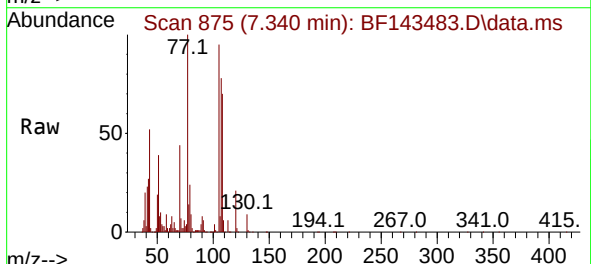
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

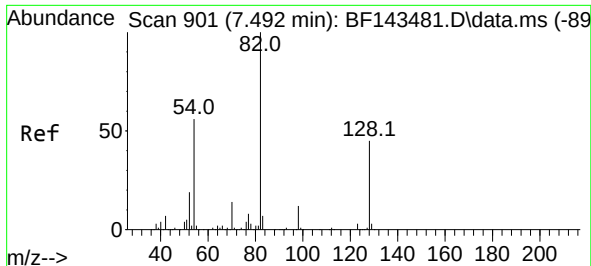
Tgt Ion:136	Resp: 475666
Ion Ratio	Lower Upper
136 100	
137 10.8	9.0 13.4
54 9.6	7.4 11.2
68 6.1	5.0 7.4



#22
Acetophenone
Concen: 56.897 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt	Ion:105	Resp:	584698
Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.9	8.9
51	40.6	32.5	48.7
120	22.5	18.0	27.0

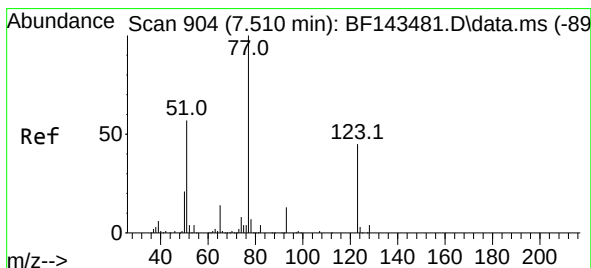
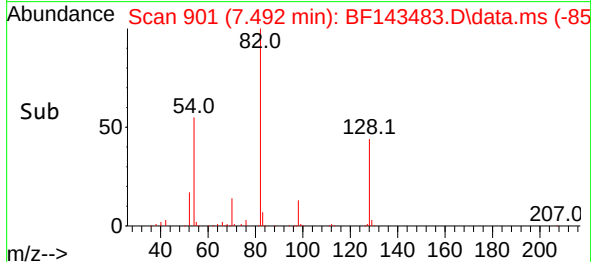
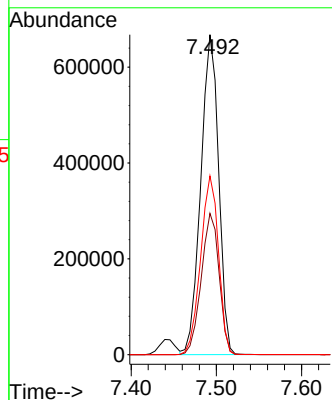
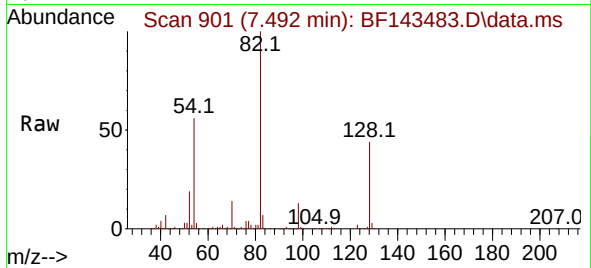




#23
Nitrobenzene-d5
Concen: 119.058 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

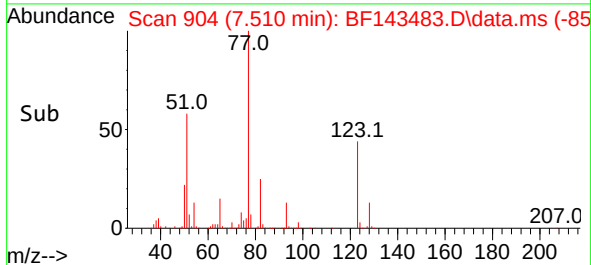
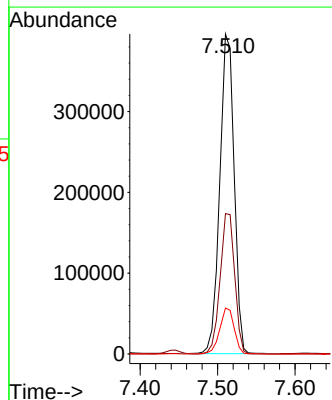
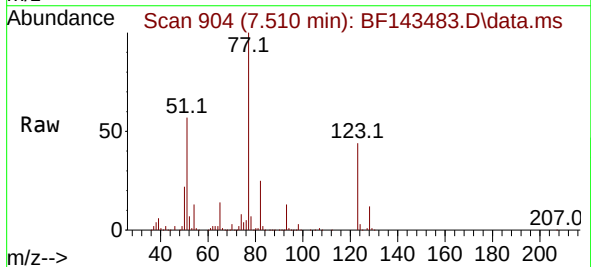
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

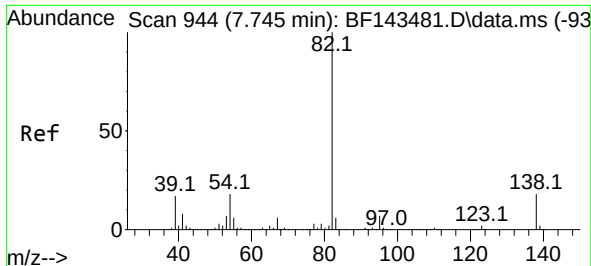
Tgt Ion: 82 Resp: 970478
Ion Ratio Lower Upper
82 100
128 44.1 35.5 53.3
54 55.9 44.3 66.5



#24
Nitrobenzene
Concen: 60.850 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 77 Resp: 510499
Ion Ratio Lower Upper
77 100
123 43.9 36.1 54.1
65 14.4 11.0 16.6

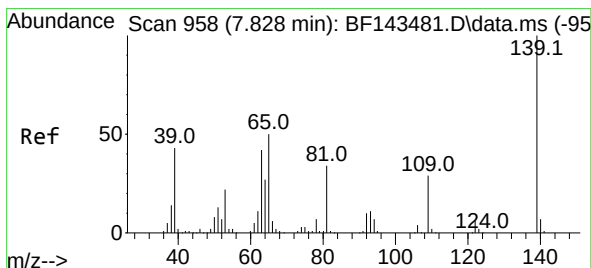
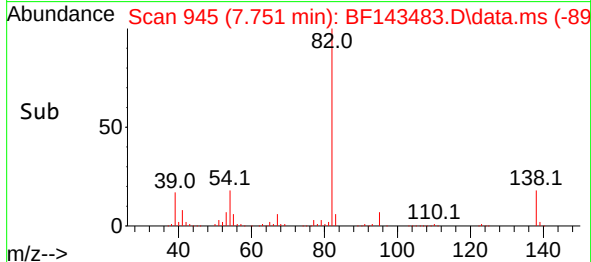
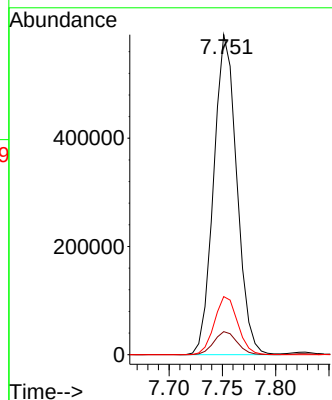
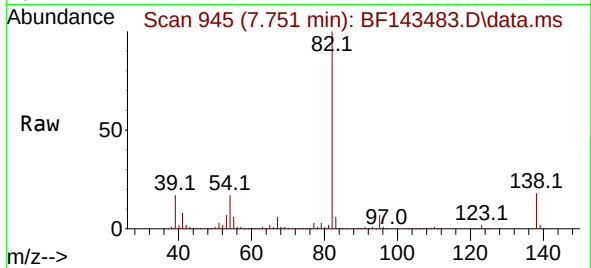




#25
Isophorone
Concen: 59.733 ng
RT: 7.751 min Scan# 944
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

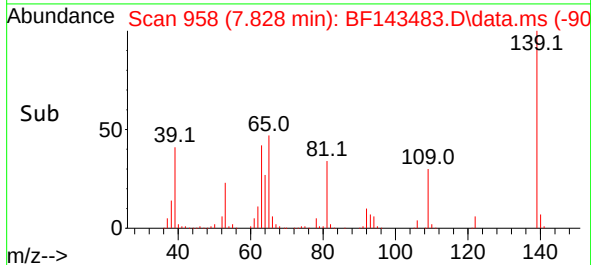
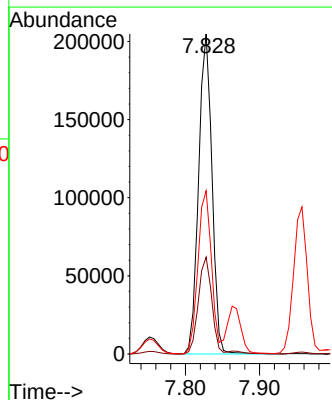
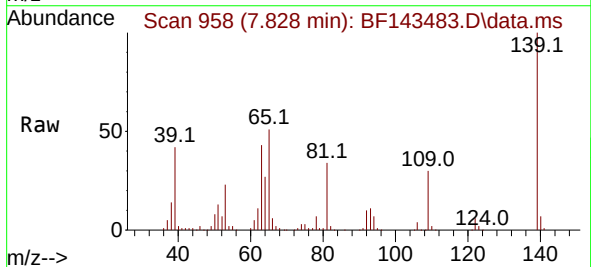
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

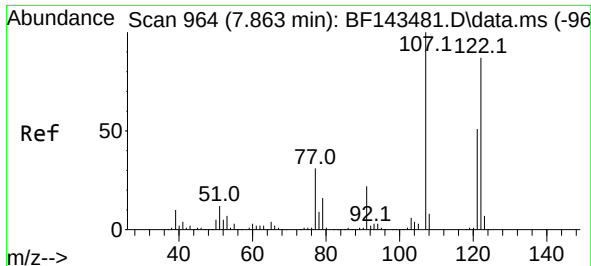
Tgt Ion: 82 Resp: 892536
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 18.1 14.2 21.4



#26
2-Nitrophenol
Concen: 62.434 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:139 Resp: 256573
Ion Ratio Lower Upper
139 100
109 30.3 23.0 34.6
65 51.0 40.3 60.5

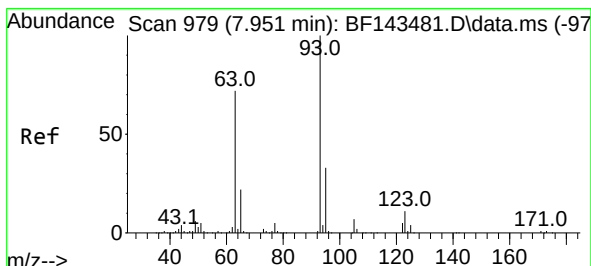
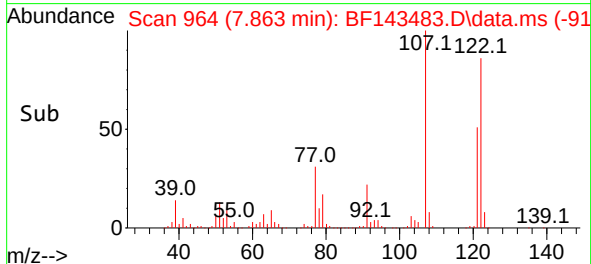
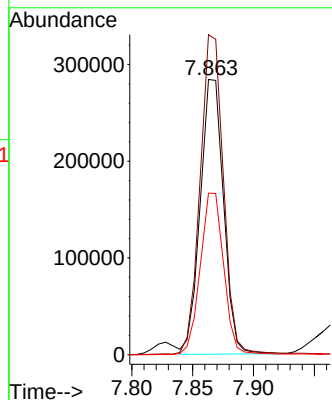
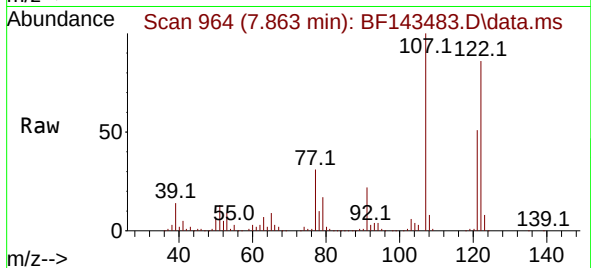




#27
2,4-Dimethylphenol
Concen: 59.098 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

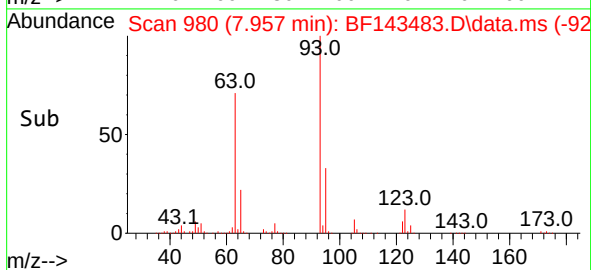
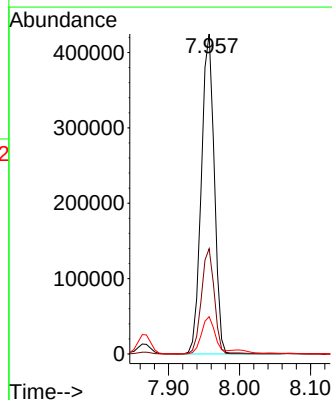
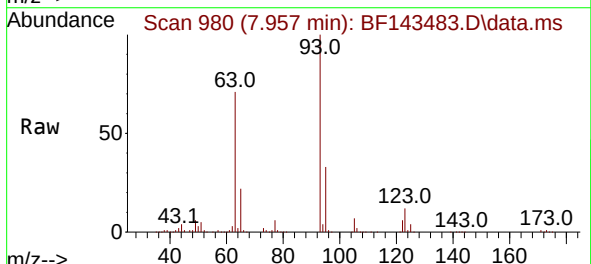
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

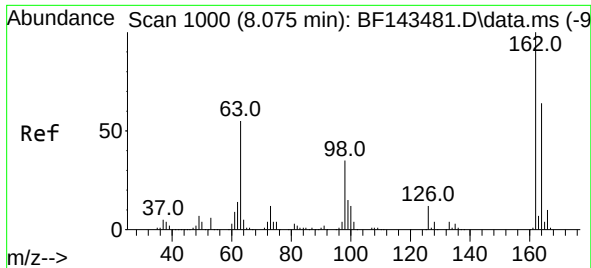
Tgt Ion:122 Resp: 378590
Ion Ratio Lower Upper
122 100
107 116.3 91.5 137.3
121 58.7 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 58.925 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 93 Resp: 541094
Ion Ratio Lower Upper
93 100
95 32.9 26.0 39.0
123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 59.031 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

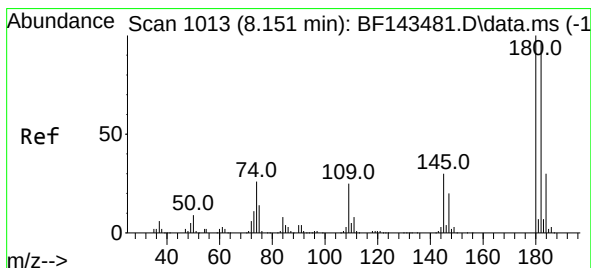
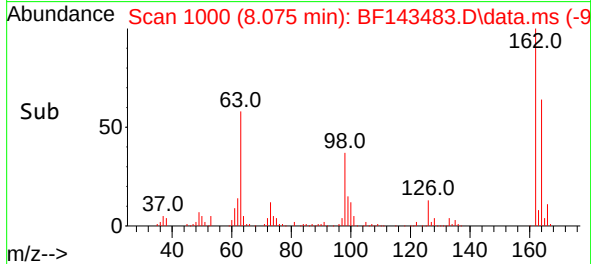
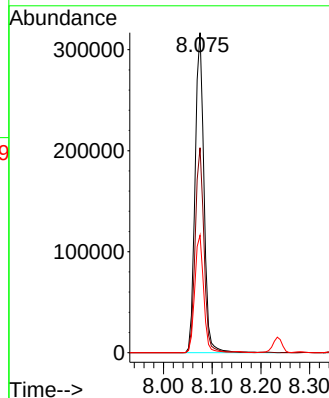
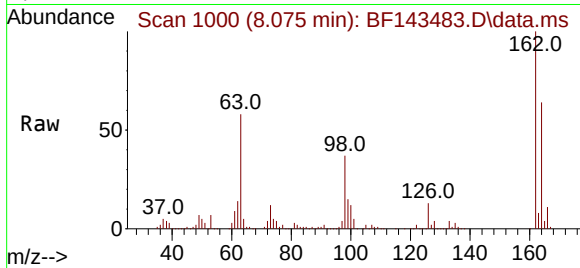
Tgt Ion:162 Resp: 403885

Ion Ratio Lower Upper

162 100

164 64.0 43.5 83.5

98 36.7 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 58.956 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

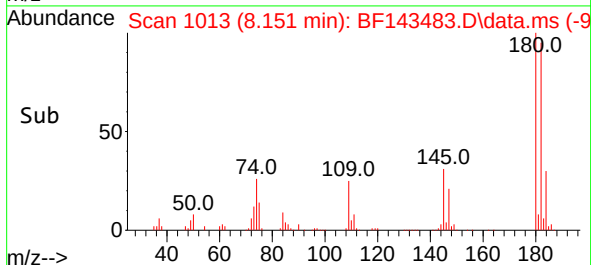
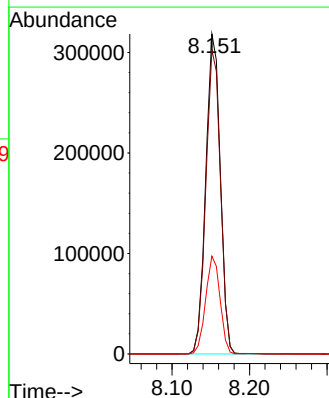
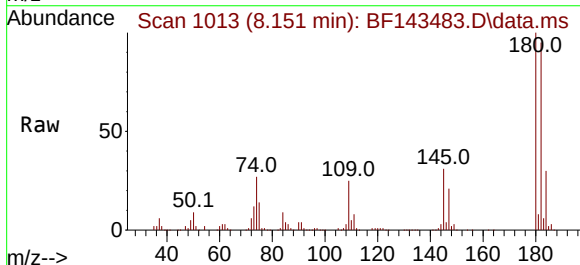
Tgt Ion:180 Resp: 414723

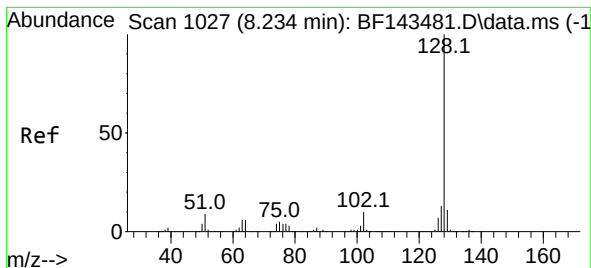
Ion Ratio Lower Upper

180 100

182 95.0 76.6 114.8

145 30.6 24.3 36.5





#31

Naphthalene

Concen: 57.551 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

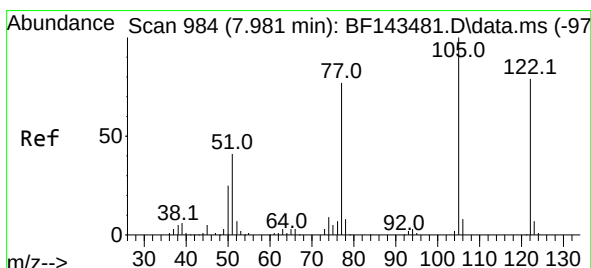
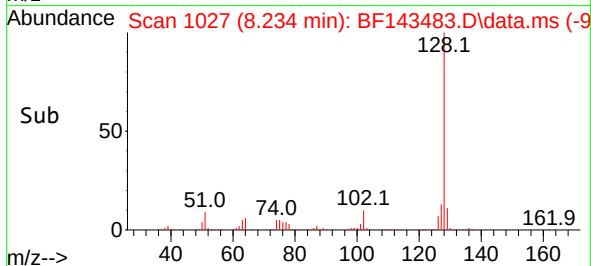
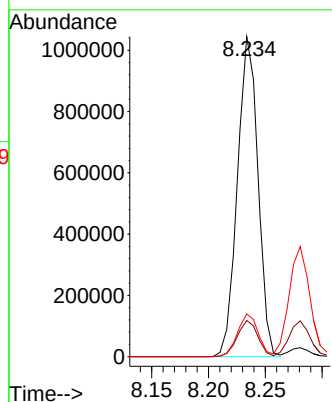
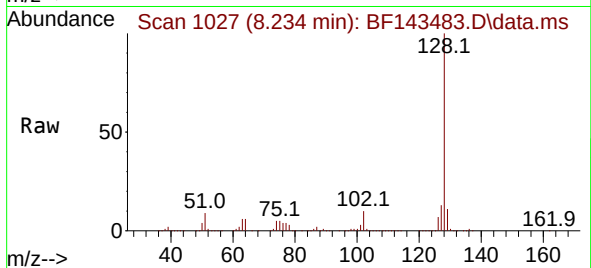
Tgt Ion:128 Resp: 1314277

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 61.815 ng

RT: 7.998 min Scan# 987

Delta R.T. -0.012 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

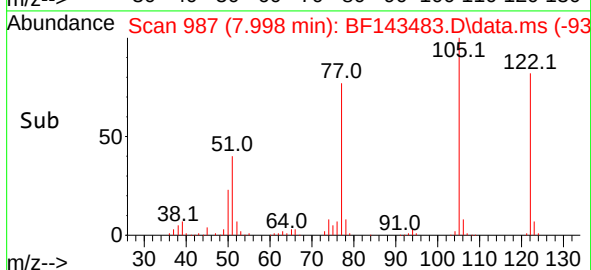
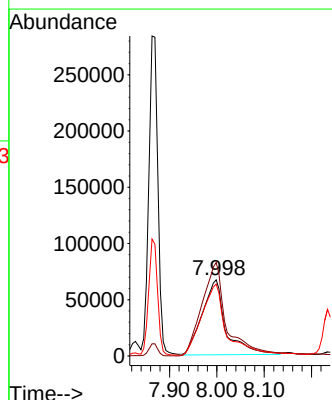
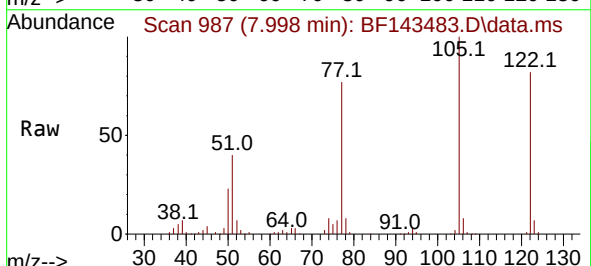
Tgt Ion:122 Resp: 232136

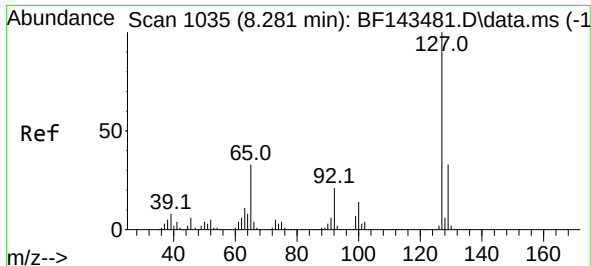
Ion Ratio Lower Upper

122 100

105 122.6 104.7 144.7

77 94.3 77.3 117.3

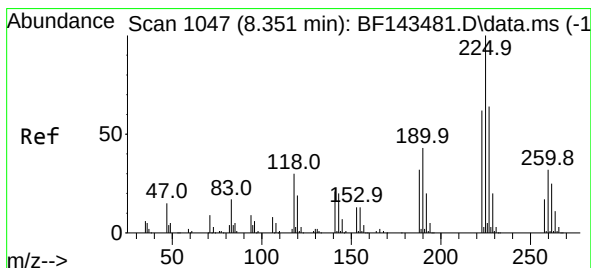
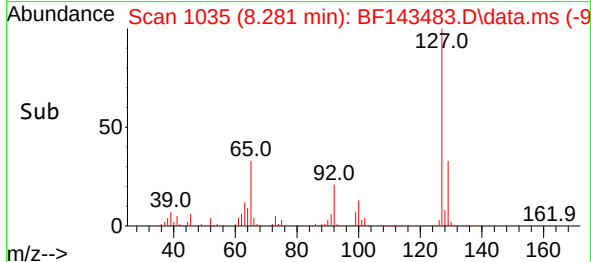
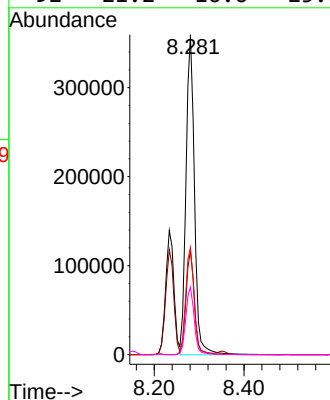
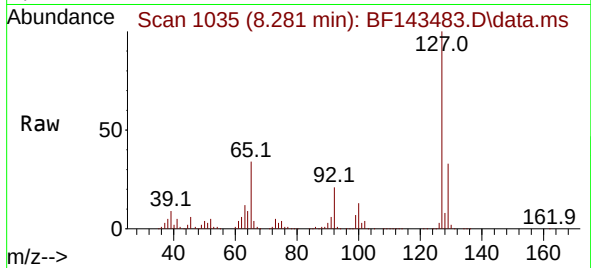




#33
4-Chloroaniline
Concen: 58.156 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

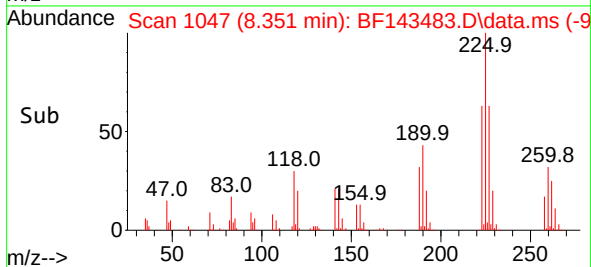
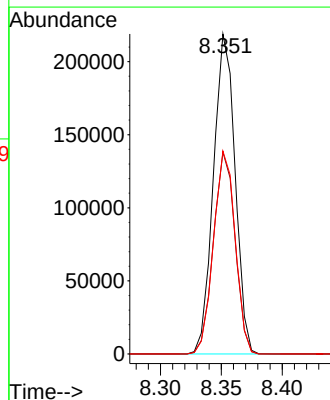
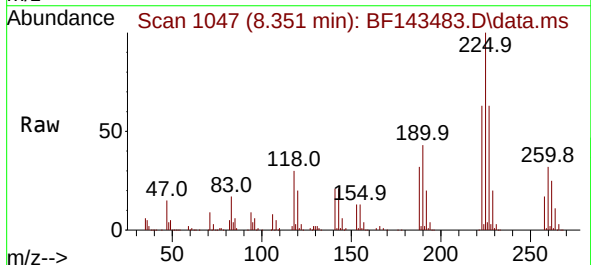
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

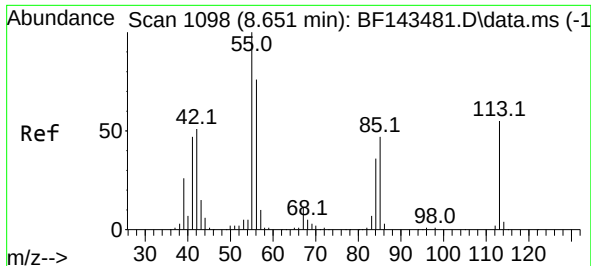
Tgt Ion:	127	Resp:	471374
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	33.6	26.2	39.2
92	21.2	16.6	25.0



#34
Hexachlorobutadiene
Concen: 58.968 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:	225	Resp:	270626
Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.9	74.9
227	63.4	50.9	76.3

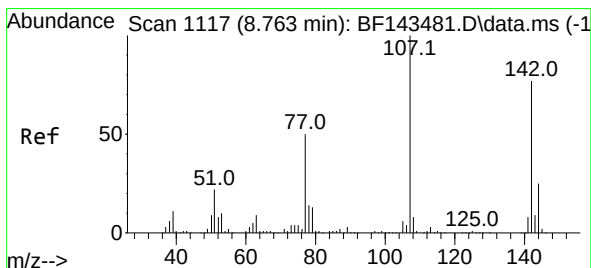
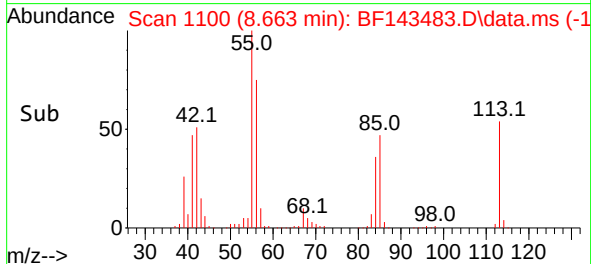
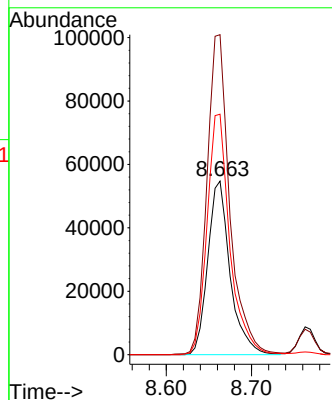
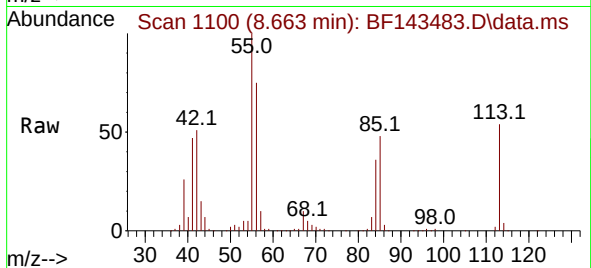




#35
Caprolactam
Concen: 60.607 ng
RT: 8.663 min Scan# 1100
Delta R.T. -0.012 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

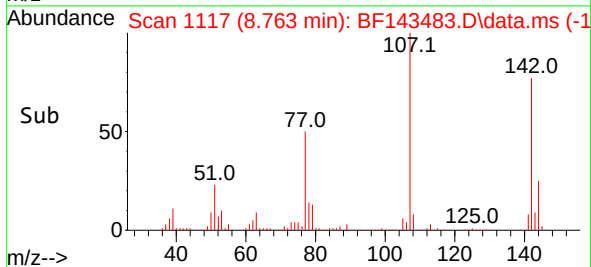
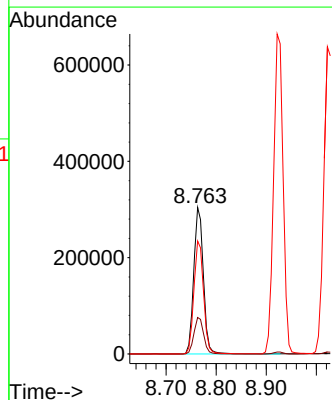
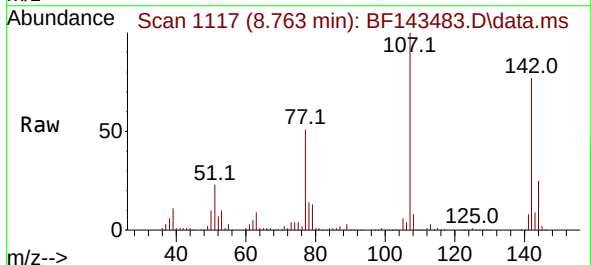
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

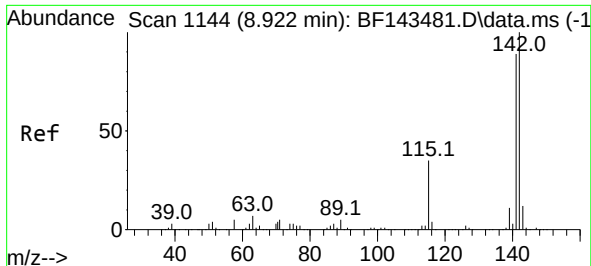
Tgt Ion:113 Resp: 99502
Ion Ratio Lower Upper
113 100
55 184.3 162.8 202.8
56 138.6 118.1 158.1



#36
4-Chloro-3-methylphenol
Concen: 59.020 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:107 Resp: 404673
Ion Ratio Lower Upper
107 100
144 25.0 19.9 29.9
142 77.1 61.8 92.8

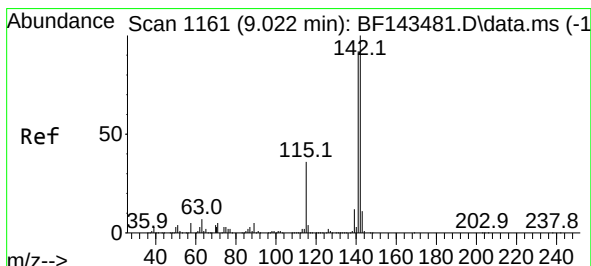
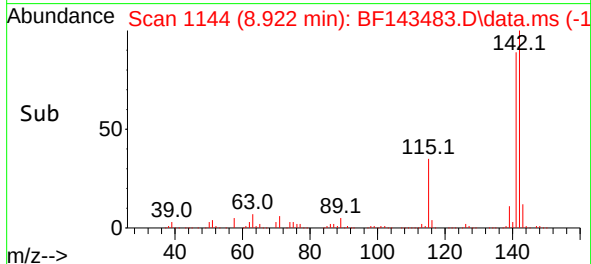
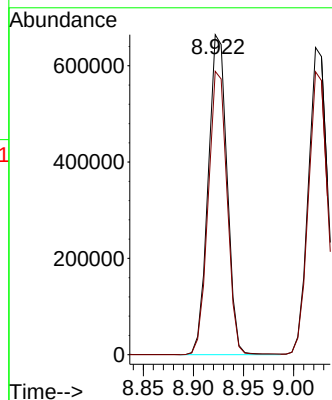
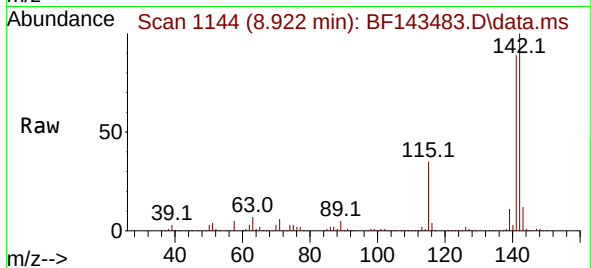




#37
2-Methylnaphthalene
Concen: 57.034 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

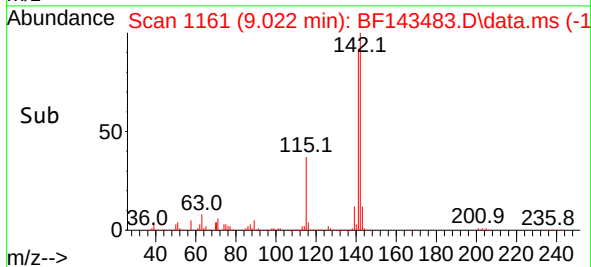
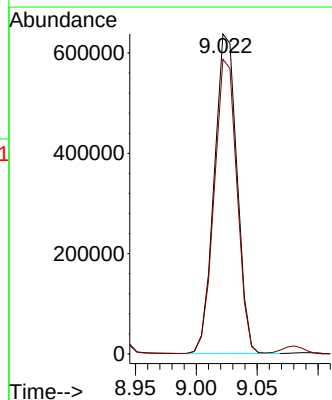
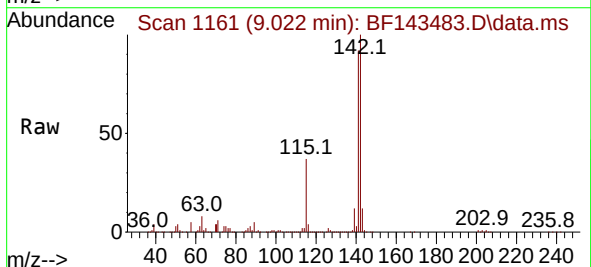
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

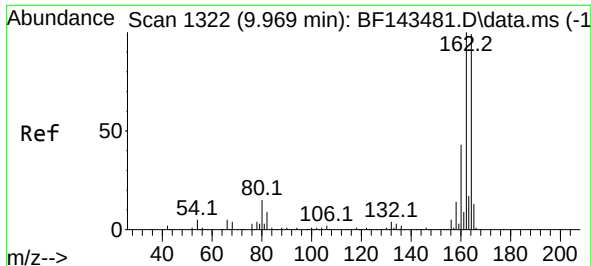
Tgt Ion:142 Resp: 869902
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.4



#38
1-Methylnaphthalene
Concen: 56.776 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:142 Resp: 828346
Ion Ratio Lower Upper
142 100
141 92.1 73.3 109.9

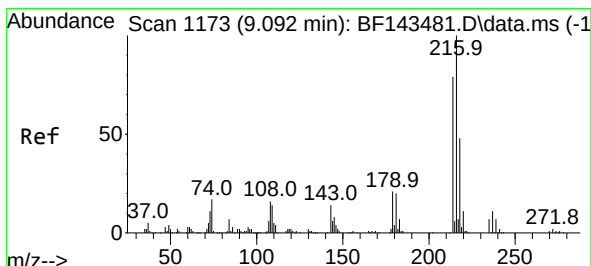
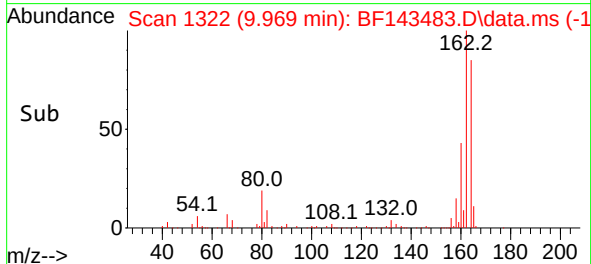
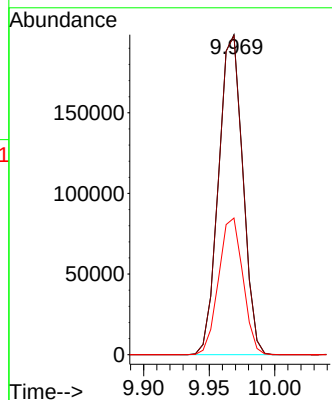
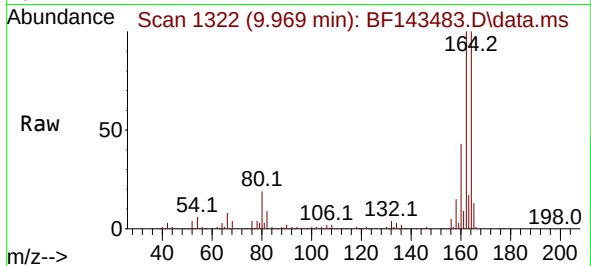




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

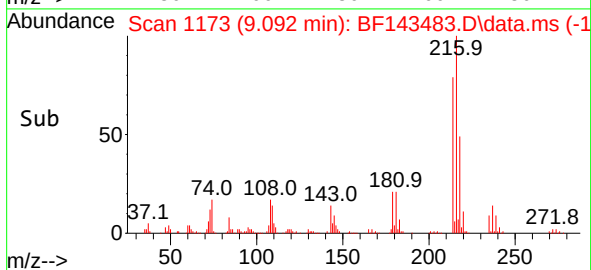
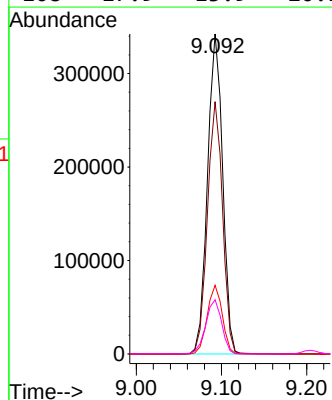
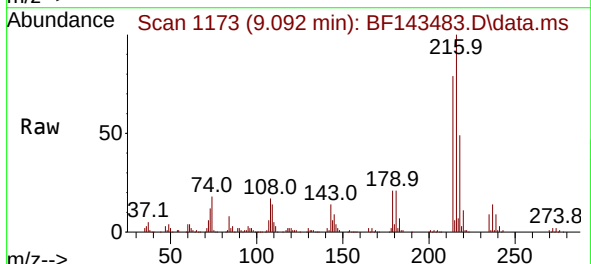
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

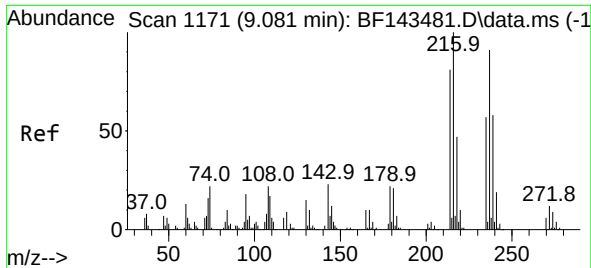
Tgt Ion:164 Resp: 254778
Ion Ratio Lower Upper
164 100
162 99.7 80.5 120.7
160 42.7 34.3 51.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.894 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:216 Resp: 421909
Ion Ratio Lower Upper
216 100
214 78.8 63.4 95.0
179 21.3 16.5 24.7
108 17.9 13.9 20.9

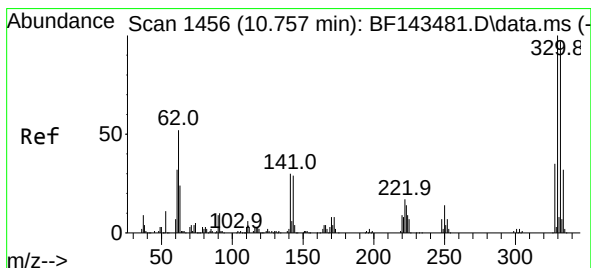
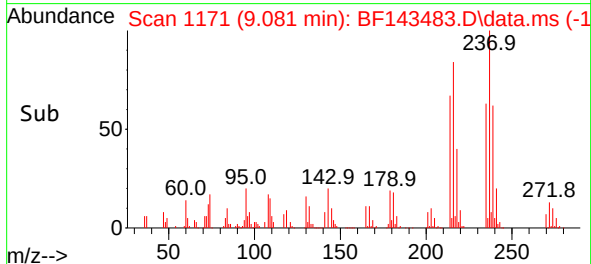
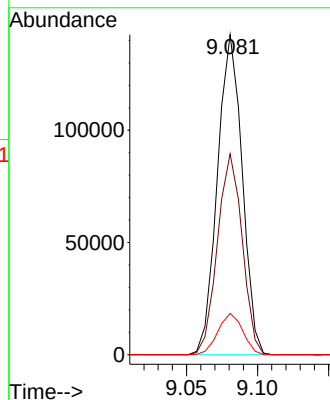
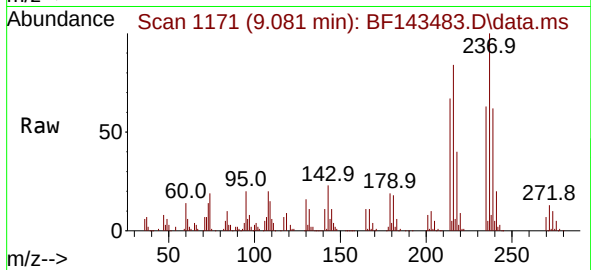




#41
Hexachlorocyclopentadiene
Concen: 62.497 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

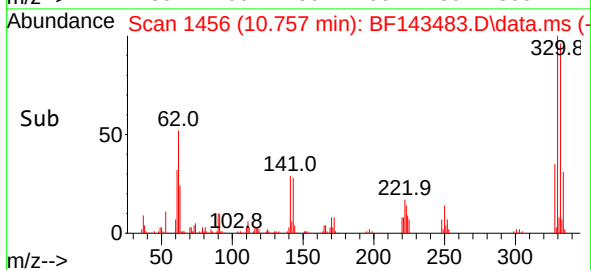
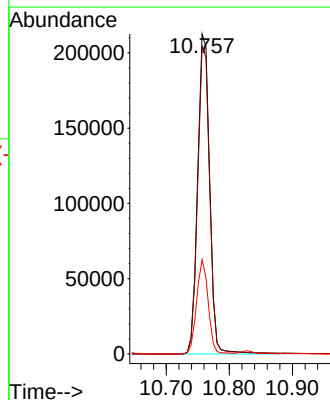
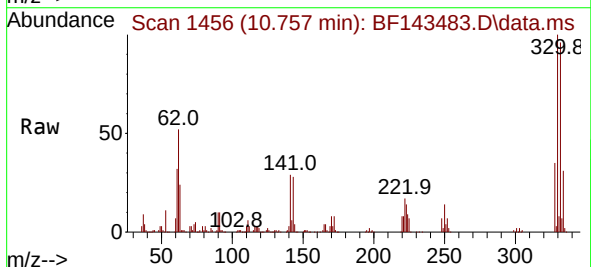
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

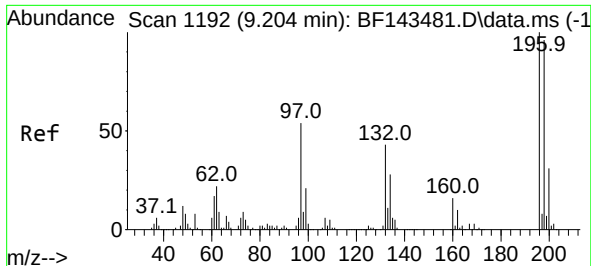
Tgt	Ion:237	Resp:	172625
Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.6	82.6
272	12.9	0.0	33.4



#42
2,4,6-Tribromophenol
Concen: 118.410 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:330	Resp: 280822		
Ion Ratio	Lower	Upper	
330	100		
332	96.6	78.0	117.0
141	28.5	23.7	35.5





#43

2,4,6-Trichlorophenol

Concen: 61.437 ng

RT: 9.204 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143483.D

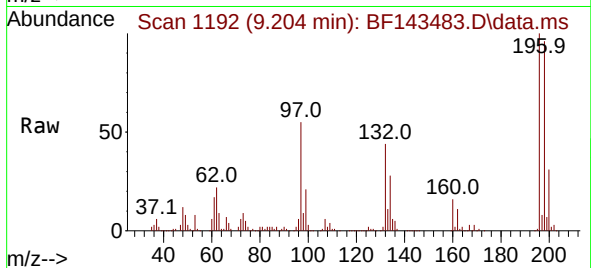
Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



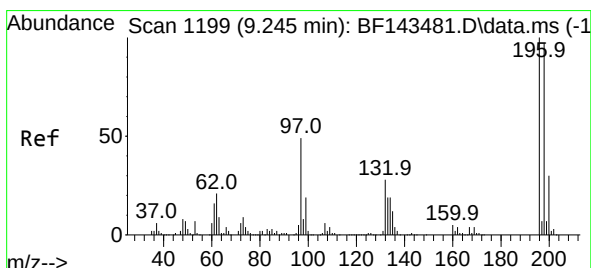
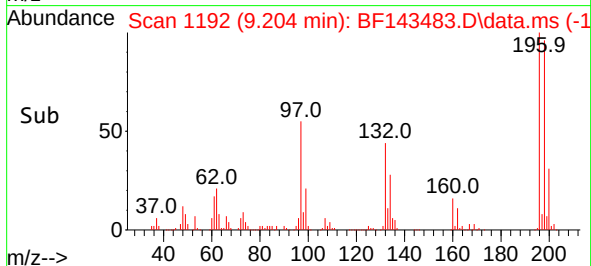
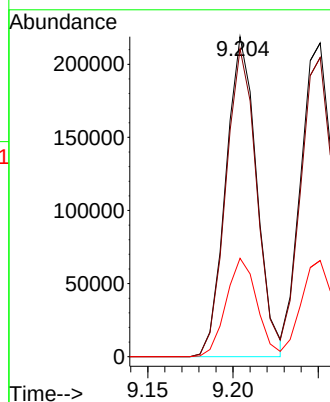
Tgt Ion:196 Resp: 275502

Ion Ratio Lower Upper

196 100

198 96.2 77.0 115.4

200 30.7 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 60.345 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Tgt Ion:196 Resp: 295585

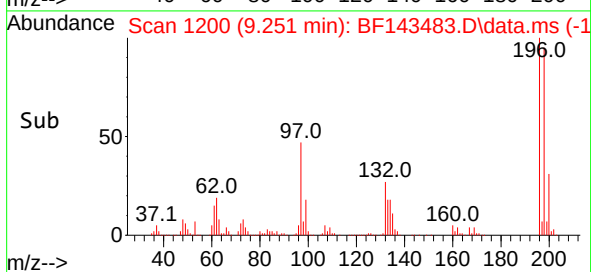
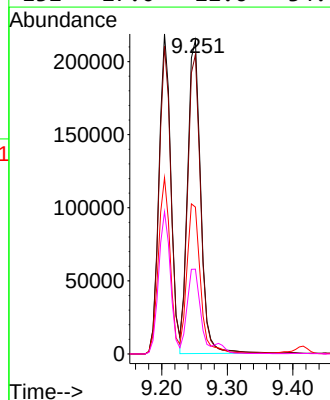
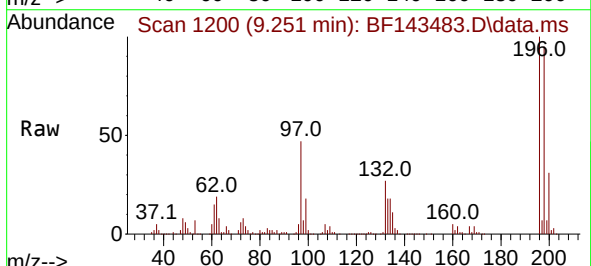
Ion Ratio Lower Upper

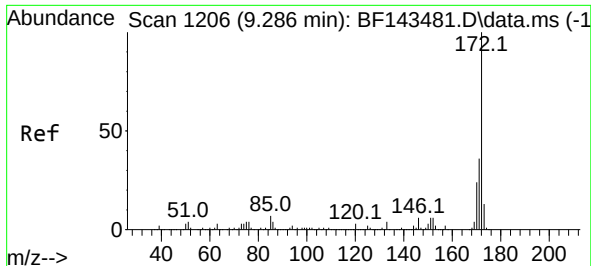
196 100

198 95.3 77.3 115.9

97 46.8 40.0 60.0

132 27.0 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 109.642 ng

RT: 9.286 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

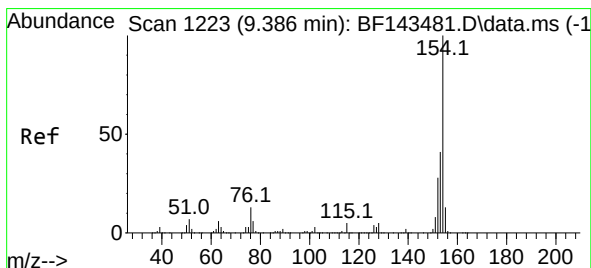
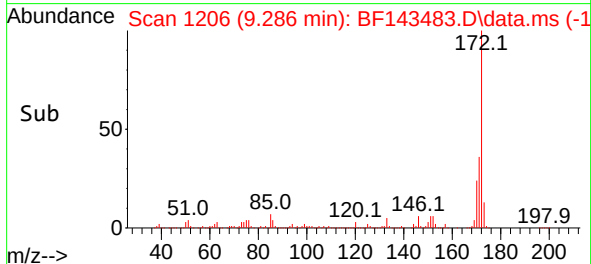
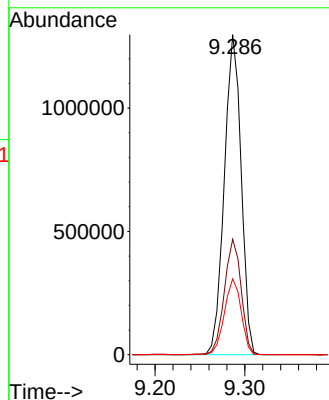
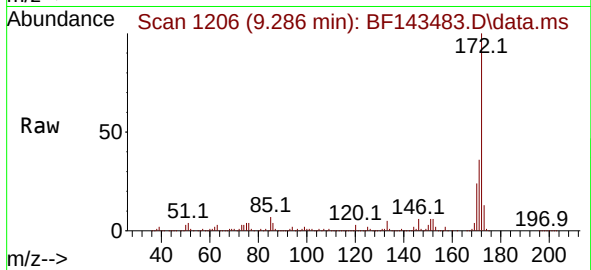
Tgt Ion:172 Resp: 1690255

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.7 18.8 28.2



#46

1,1'-Biphenyl

Concen: 57.031 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

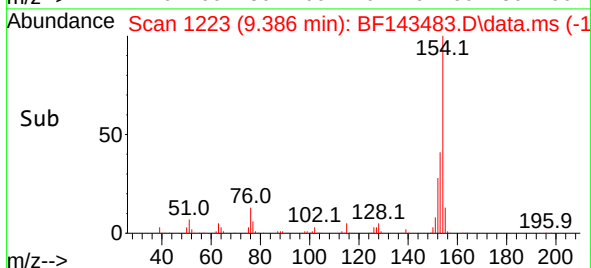
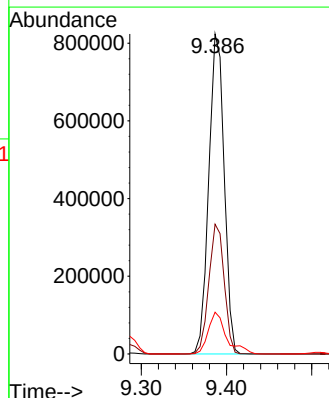
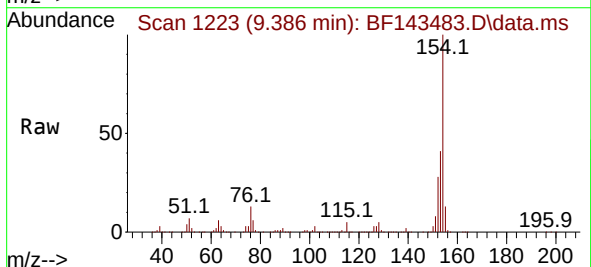
Tgt Ion:154 Resp: 1031320

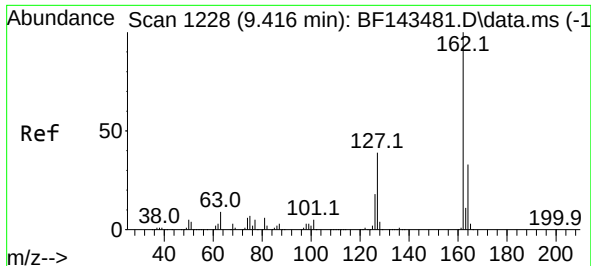
Ion Ratio Lower Upper

154 100

153 40.6 20.6 60.6

76 13.1 0.0 33.0

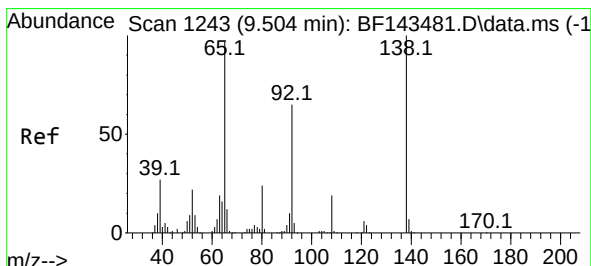
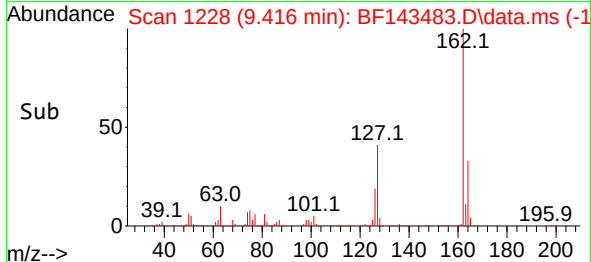
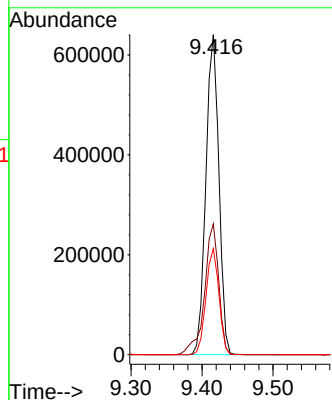
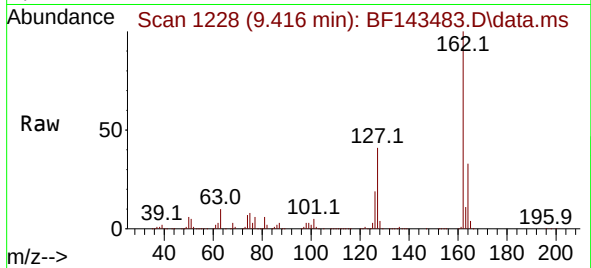




#47
2-Chloronaphthalene
Concen: 57.544 ng
RT: 9.416 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

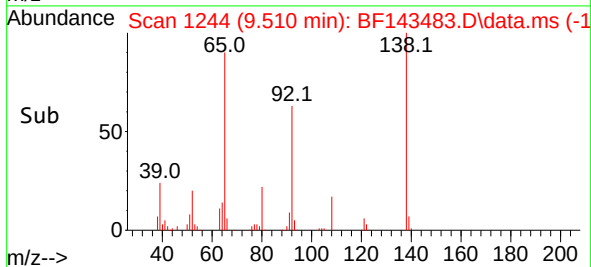
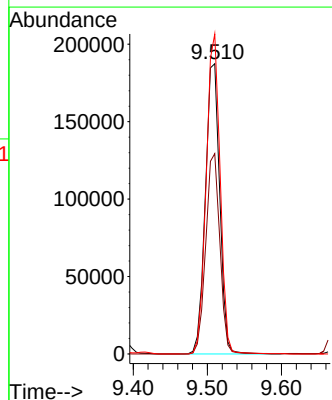
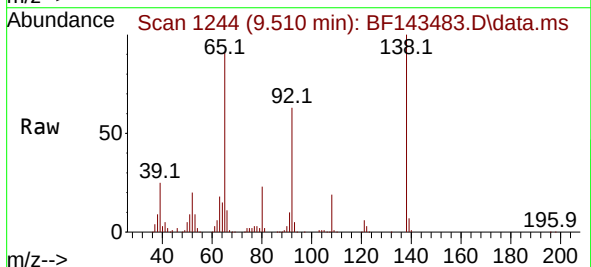
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

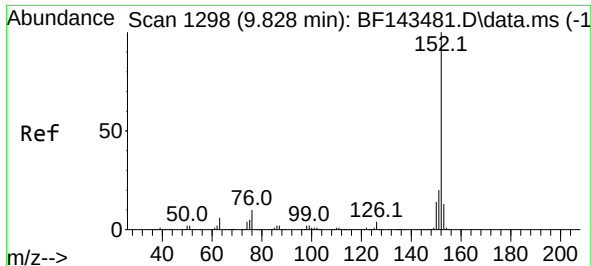
Tgt Ion:162 Resp: 816474
Ion Ratio Lower Upper
162 100
127 40.9 31.8 47.6
164 33.1 26.4 39.6



#48
2-Nitroaniline
Concen: 60.835 ng
RT: 9.510 min Scan# 1244
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

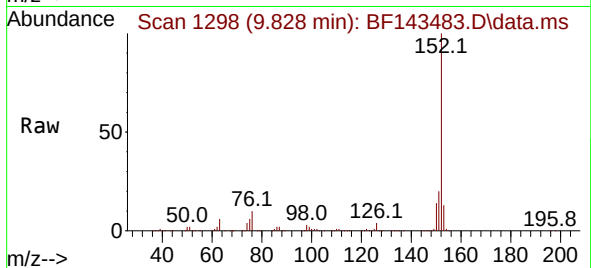
Tgt Ion: 65 Resp: 252618
Ion Ratio Lower Upper
65 100
92 69.1 53.8 80.6
138 110.3 82.4 123.6



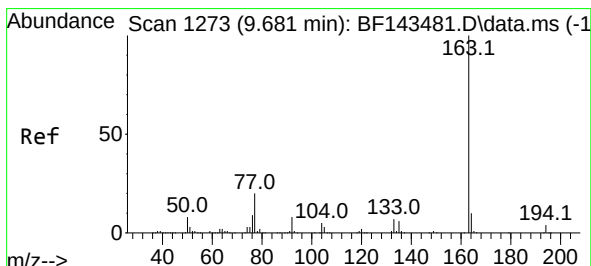
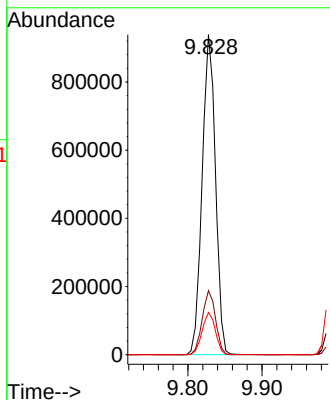
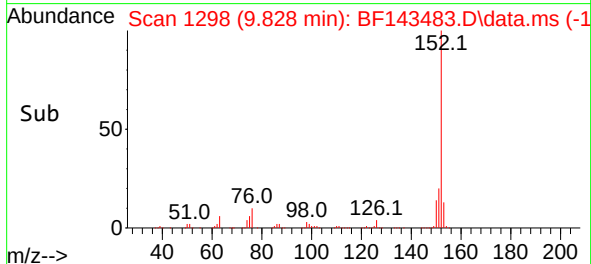


#49
Acenaphthylene
Concen: 57.687 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

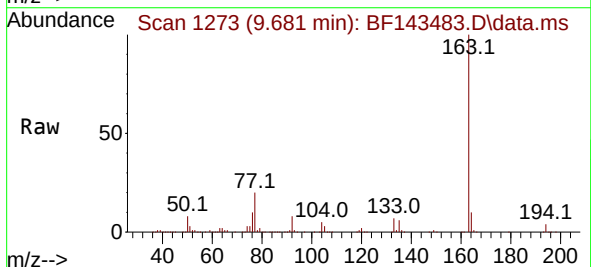
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



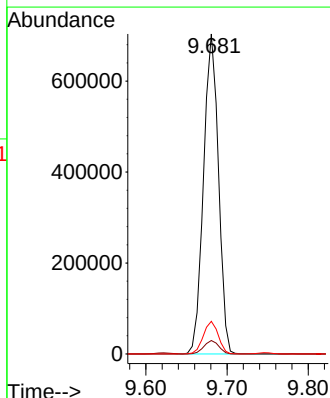
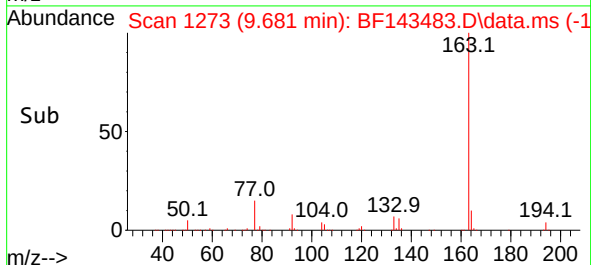
Tgt Ion:152 Resp: 1171986
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.4
153 13.2 10.6 15.8

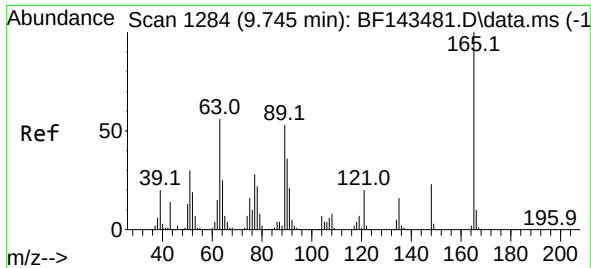


#50
Dimethylphthalate
Concen: 58.546 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51



Tgt Ion:163 Resp: 898362
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.2 8.2 12.2

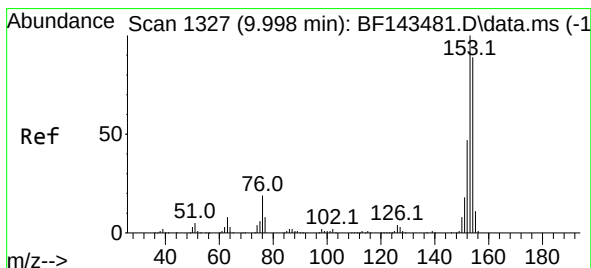
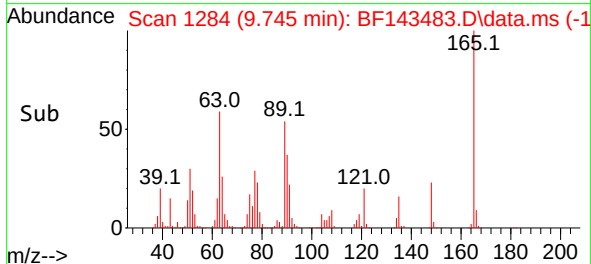
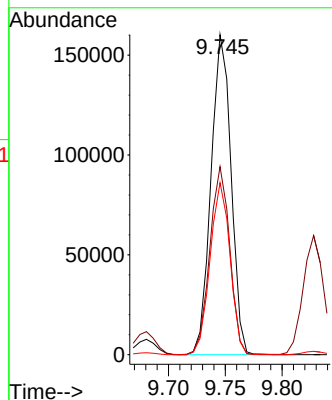
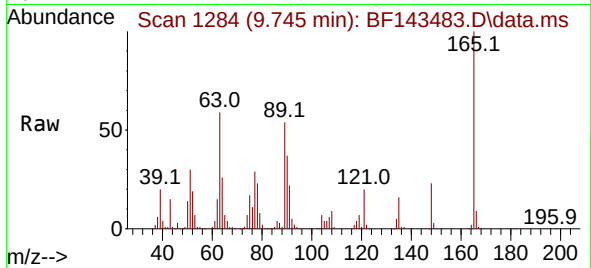




#51
2,6-Dinitrotoluene
Concen: 61.849 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

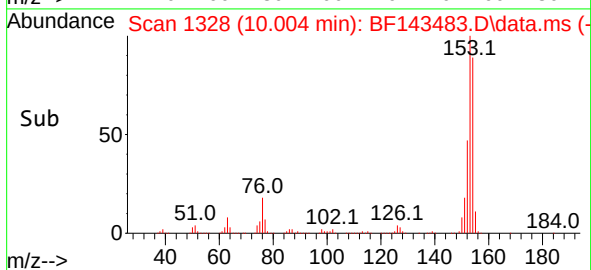
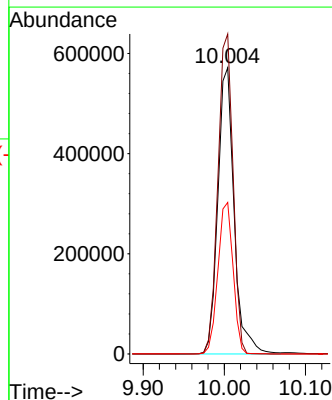
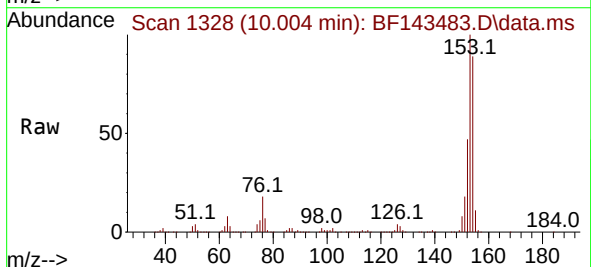
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

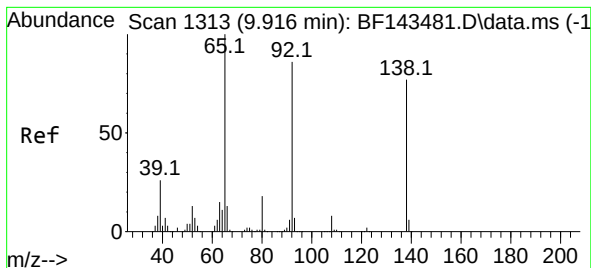
Tgt Ion:165 Resp: 196694
Ion Ratio Lower Upper
165 100
63 58.8 45.0 67.6
89 53.7 42.5 63.7



#52
Acenaphthene
Concen: 57.868 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:154 Resp: 798226
Ion Ratio Lower Upper
154 100
153 111.8 89.5 134.3
152 53.0 42.5 63.7

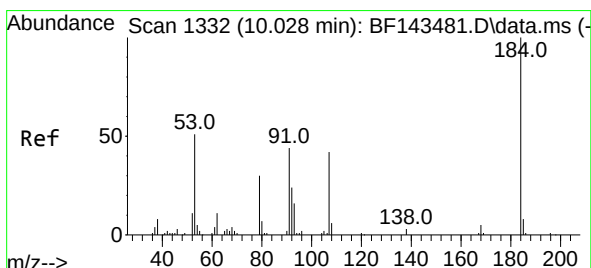
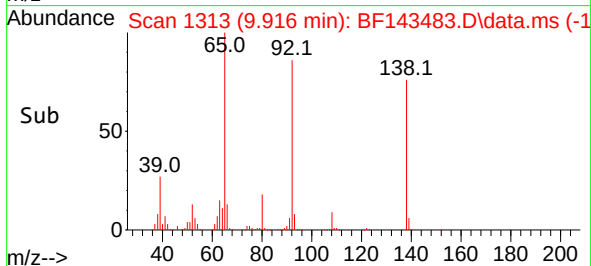
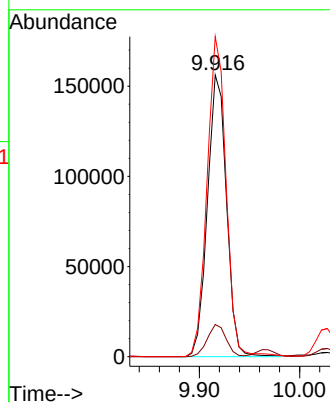
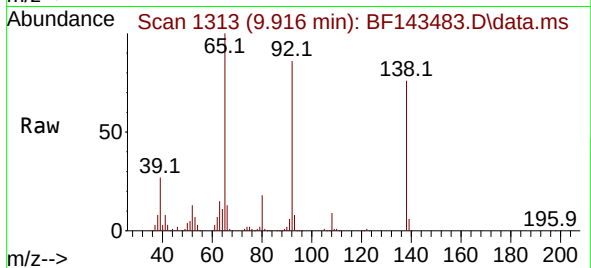




#53
3-Nitroaniline
Concen: 60.257 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

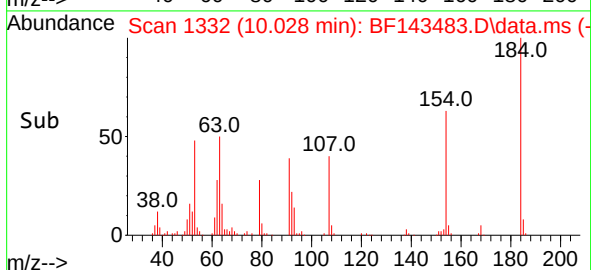
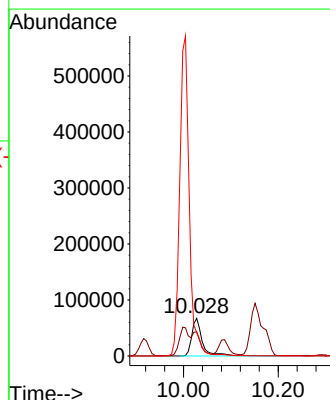
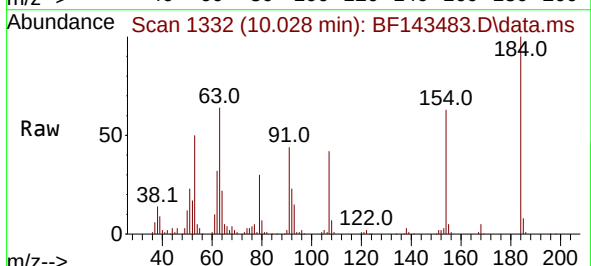
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

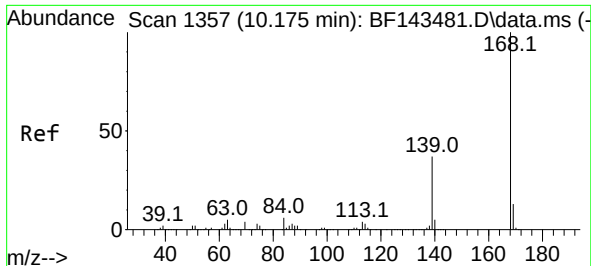
Tgt Ion:138 Resp: 207068
Ion Ratio Lower Upper
138 100
108 11.4 8.6 13.0
92 113.6 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 62.986 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:184 Resp: 105073
Ion Ratio Lower Upper
184 100
63 64.1 52.6 78.8
154 62.6 51.0 76.4

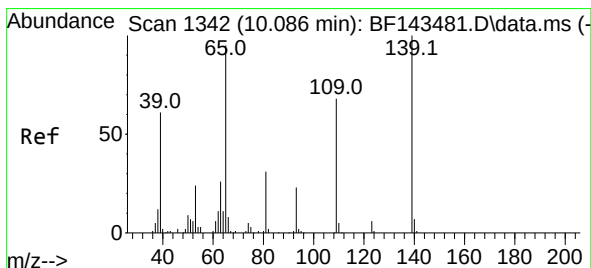
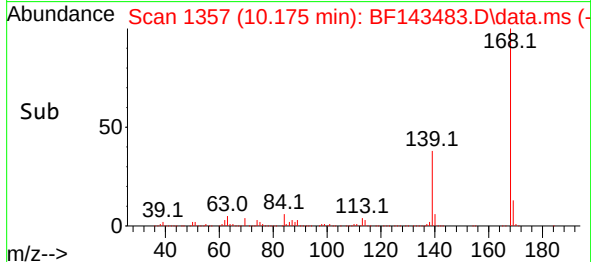
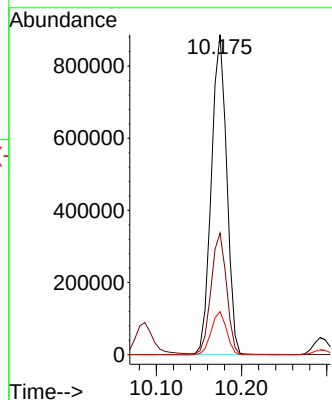
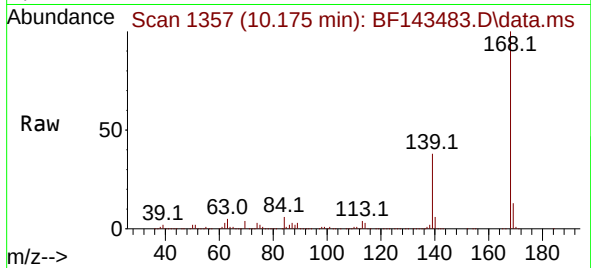




#55
Dibenzofuran
Concen: 56.463 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

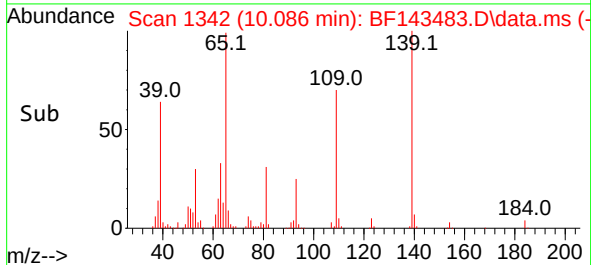
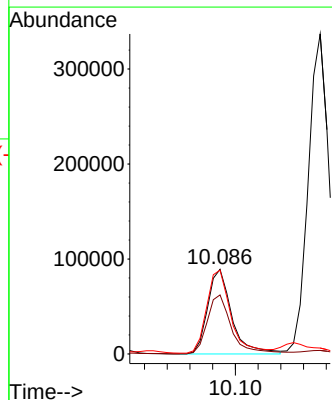
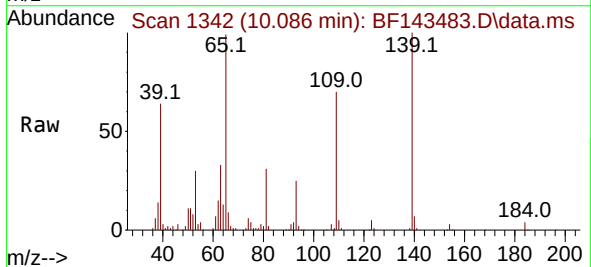
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

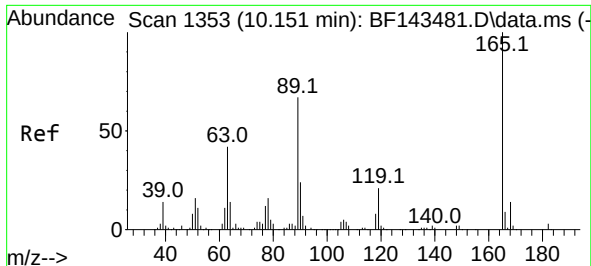
Tgt Ion:168 Resp: 1110414
Ion Ratio Lower Upper
168 100
139 38.0 29.8 44.6
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 64.242 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

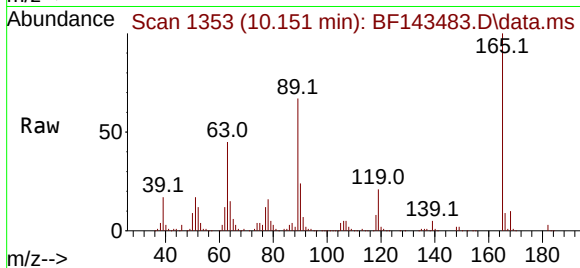
Tgt Ion:139 Resp: 131356
Ion Ratio Lower Upper
139 100
109 69.7 48.2 88.2
65 99.0 75.8 115.8



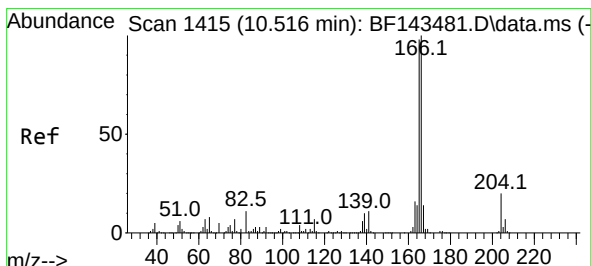
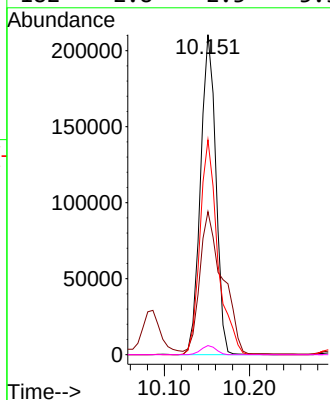
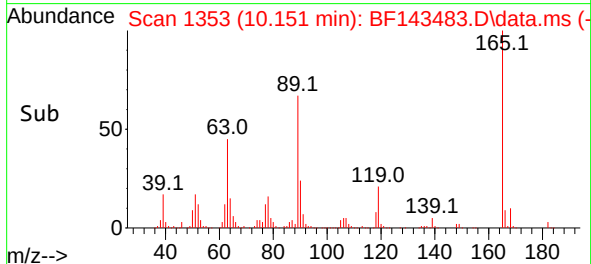


#57
2,4-Dinitrotoluene
Concen: 61.935 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

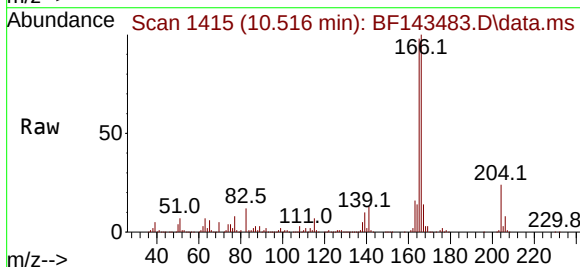
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



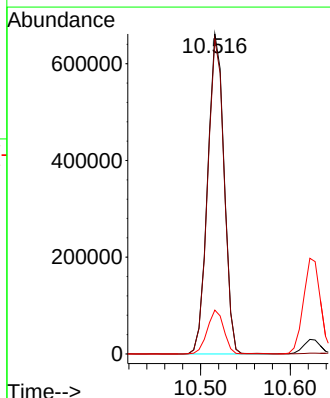
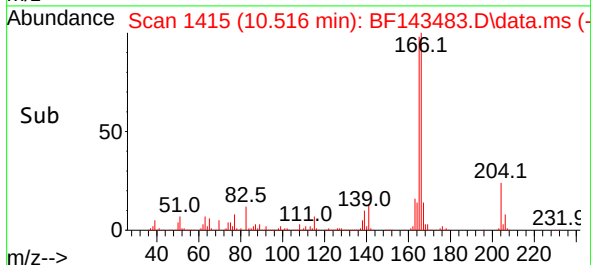
Tgt Ion:165 Resp: 263001
Ion Ratio Lower Upper
165 100
63 44.7 34.9 52.3
89 67.1 53.3 79.9
182 2.8 2.3 3.5

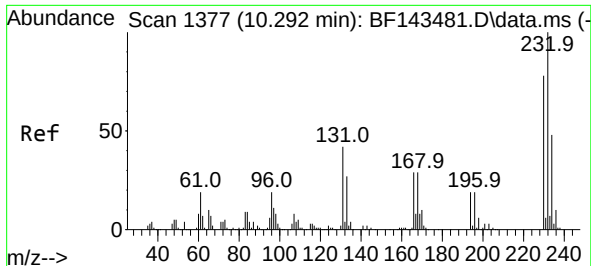


#58
Fluorene
Concen: 55.641 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51



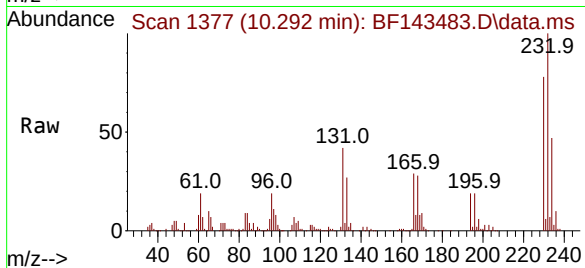
Tgt Ion:166 Resp: 842185
Ion Ratio Lower Upper
166 100
165 98.4 78.3 117.5
167 13.7 11.0 16.4



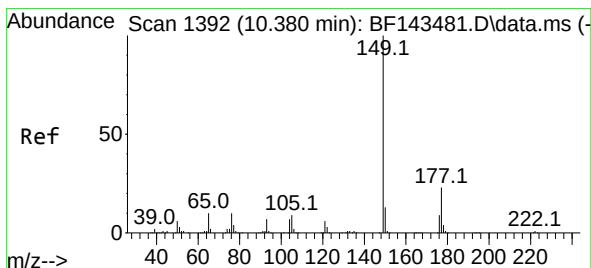
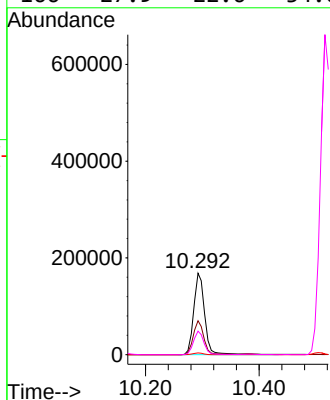
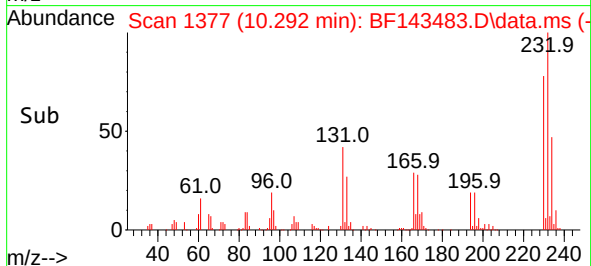


#59
2,3,4,6-Tetrachlorophenol
Concen: 62.306 ng
RT: 10.292 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

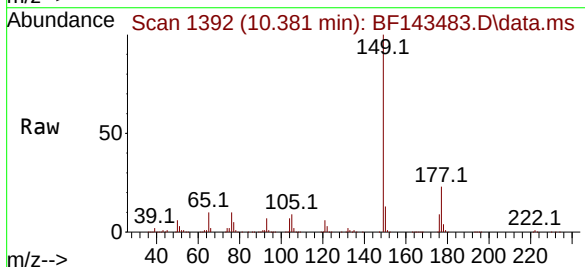
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



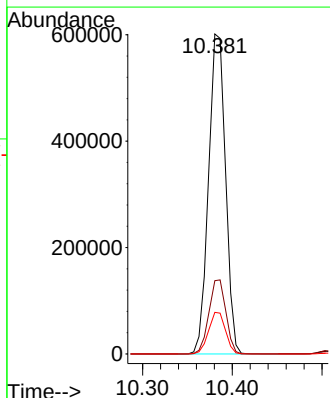
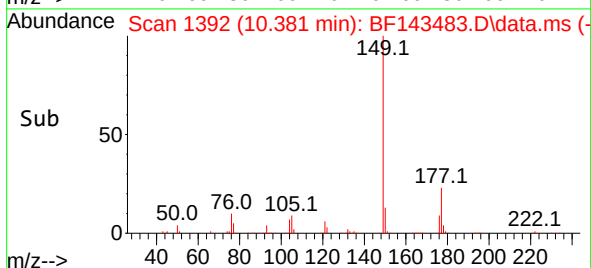
Tgt Ion:232 Resp: 226735
Ion Ratio Lower Upper
232 100
131 40.1 32.7 49.1
130 2.0 1.6 2.4
166 27.9 22.6 34.0

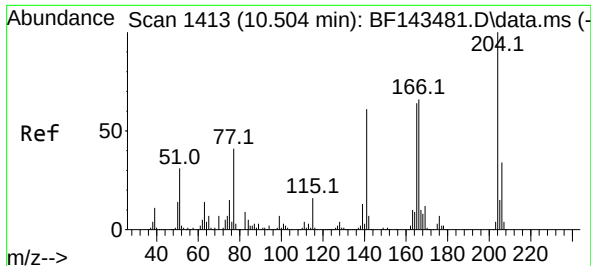


#60
Diethylphthalate
Concen: 57.538 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51



Tgt Ion:149 Resp: 791582
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 13.0 10.3 15.5

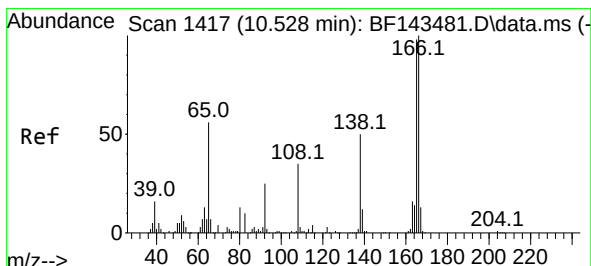
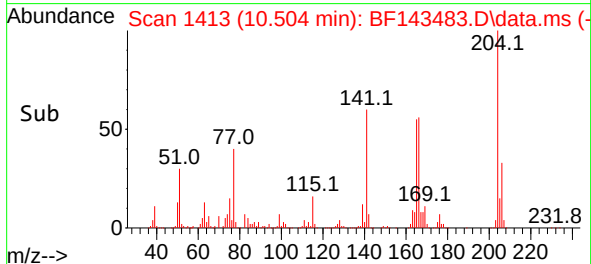
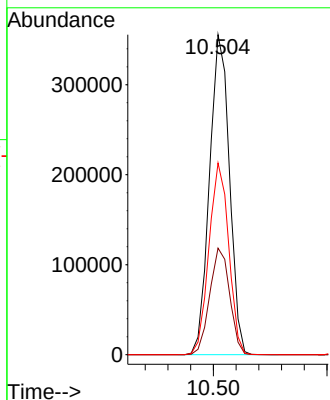
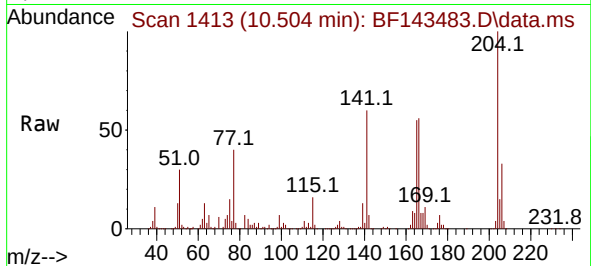




#61
4-Chlorophenyl-phenylether
Concen: 57.247 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

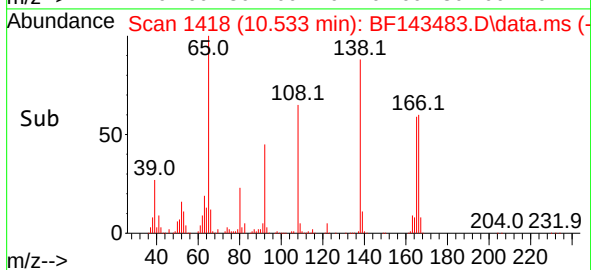
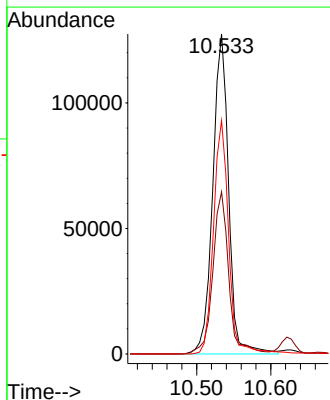
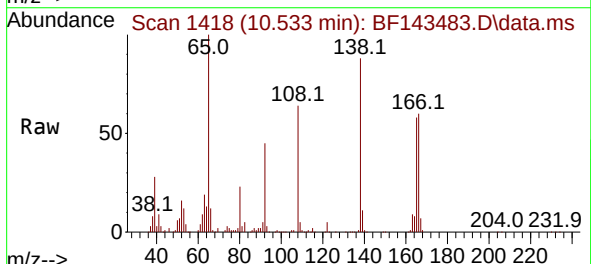
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

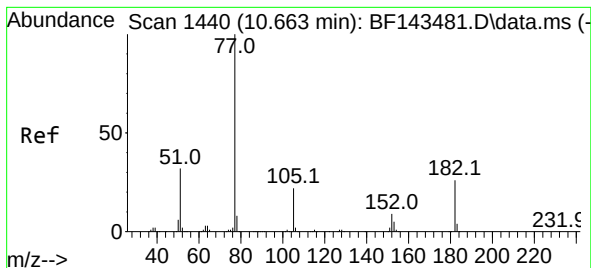
Tgt Ion:204 Resp: 433351
Ion Ratio Lower Upper
204 100
206 33.3 27.0 40.4
141 59.9 48.7 73.1



#62
4-Nitroaniline
Concen: 60.015 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:138 Resp: 189435
Ion Ratio Lower Upper
138 100
92 50.6 29.3 69.3
108 73.0 50.7 90.7



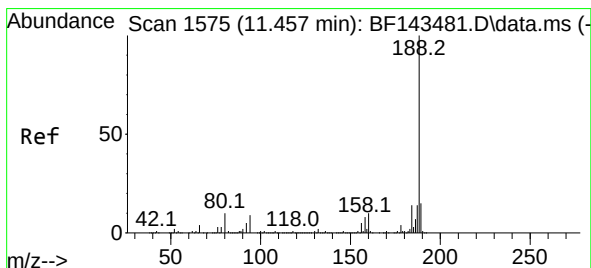
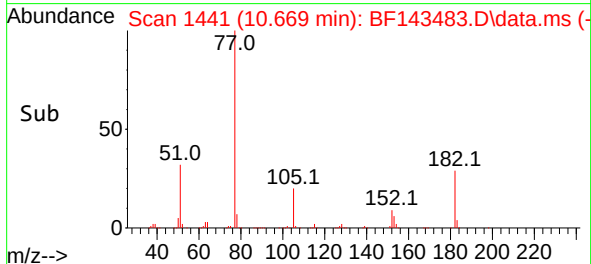
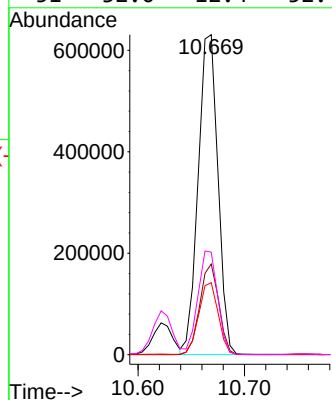
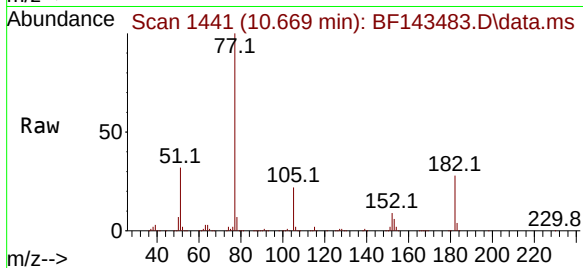


#63
Azobenzene
Concen: 57.158 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDIC060

Tgt Ion: 77 Resp: 815353

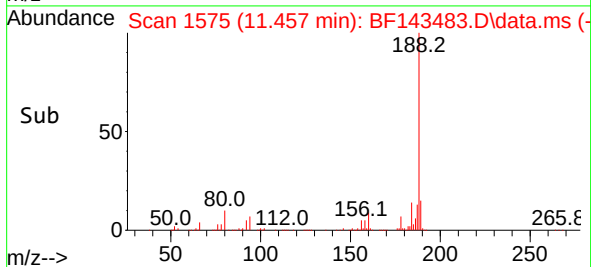
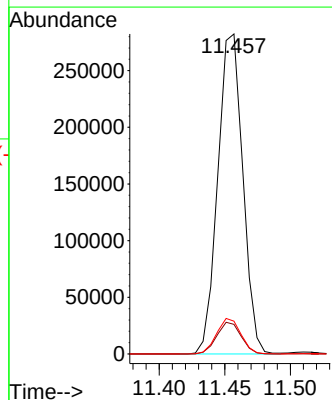
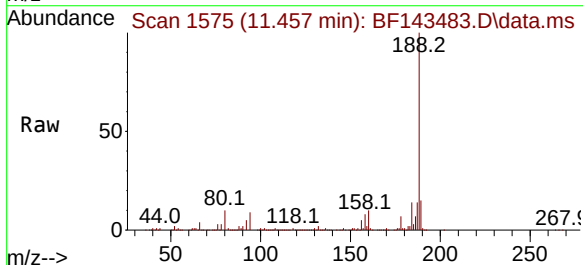
Ion	Ratio	Lower	Upper
77	100		
182	28.4	6.2	46.2
105	22.5	2.2	42.2
51	32.0	12.4	52.4

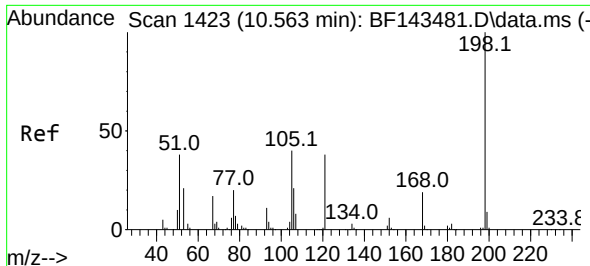


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 188 Resp: 374631

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.2
80	10.2	8.2	12.4

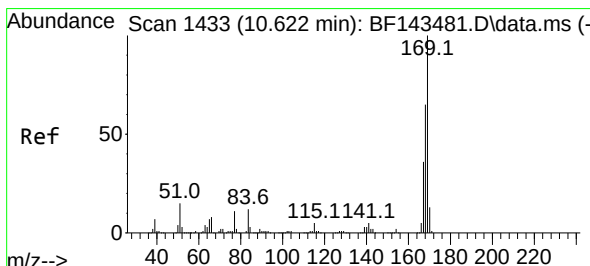
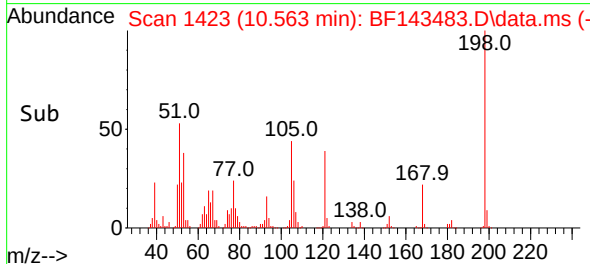
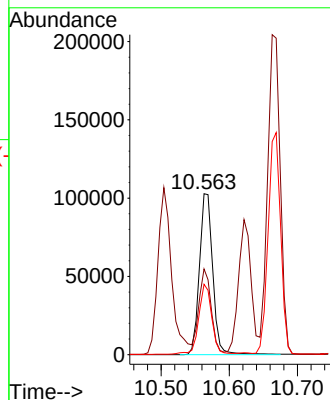
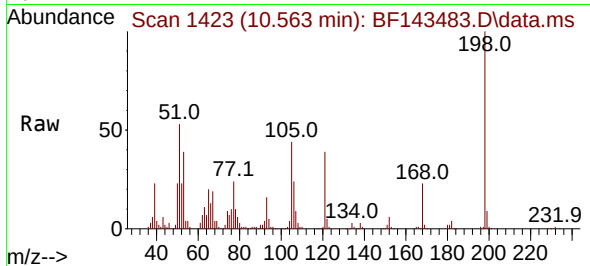




#65
4,6-Dinitro-2-methylphenol
Concen: 66.197 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

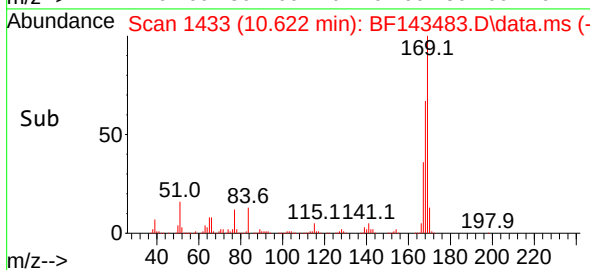
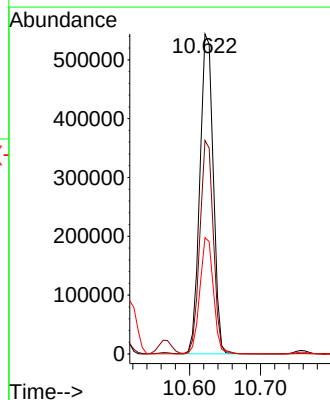
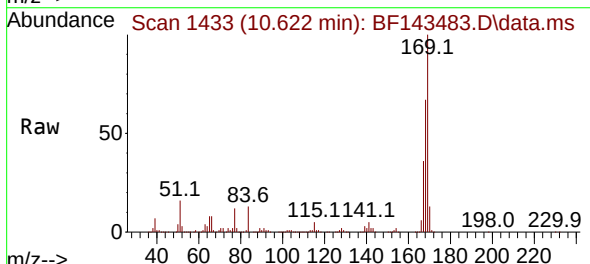
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

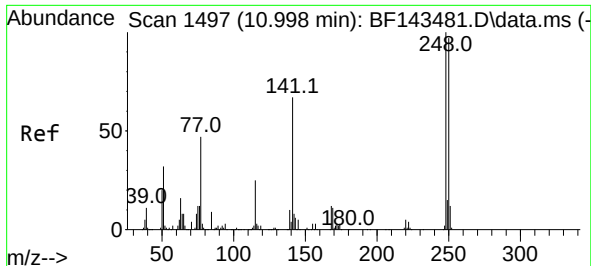
Tgt Ion:198 Resp: 139830
Ion Ratio Lower Upper
198 100
51 53.3 29.6 69.6
105 43.7 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 59.270 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:169 Resp: 714577
Ion Ratio Lower Upper
169 100
168 66.7 52.4 78.6
167 36.4 28.9 43.3

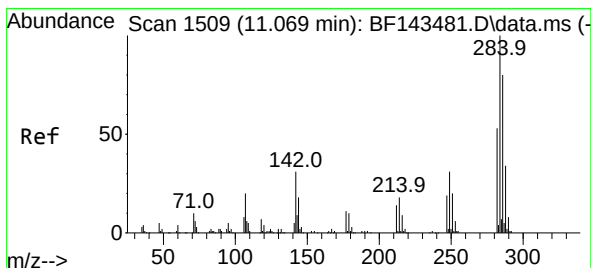
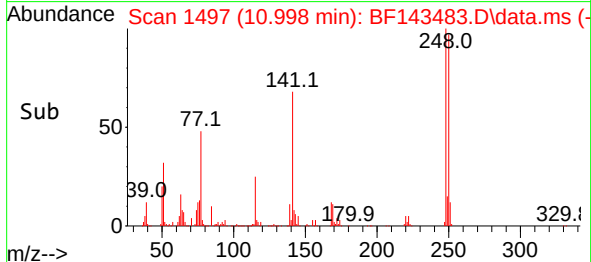
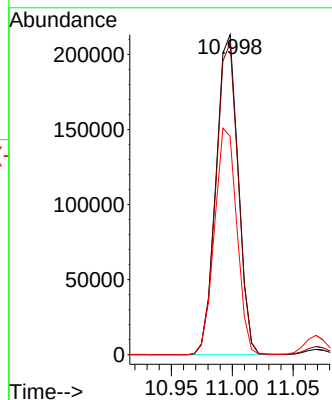
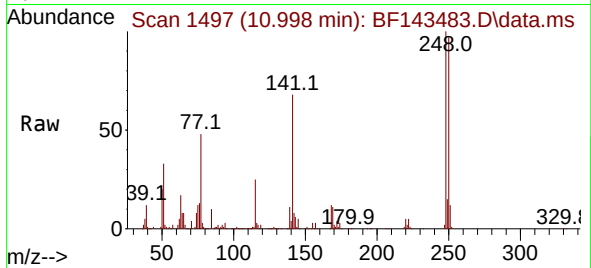




#67
4-Bromophenyl-phenylether
Concen: 60.454 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

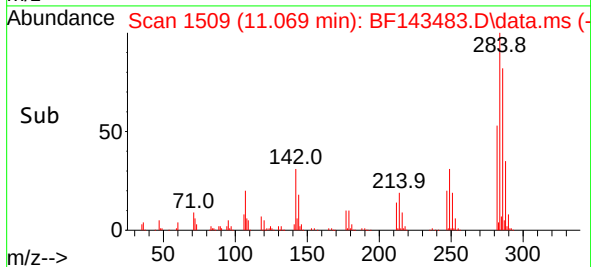
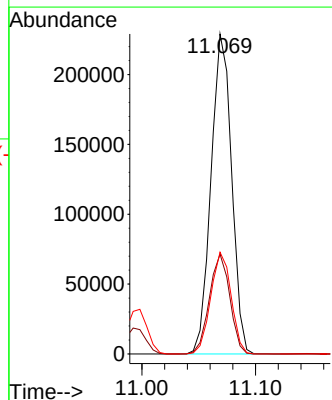
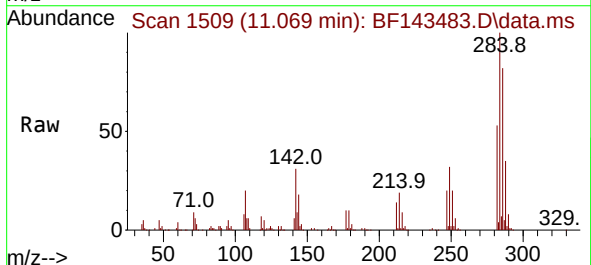
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

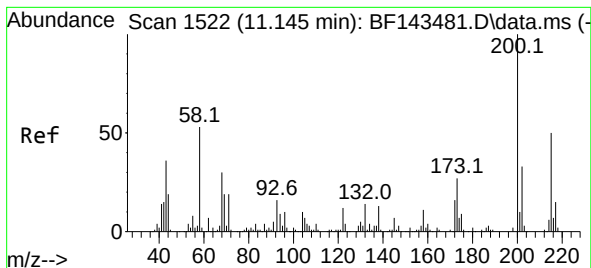
Tgt Ion:	248	Resp:	270225
Ion Ratio	Lower	Upper	
248	100		
250	97.4	77.8	116.8
141	68.2	54.0	81.0



#68
Hexachlorobenzene
Concen: 59.797 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:	284	Resp:	288119
Ion Ratio	Lower	Upper	
284	100		
142	31.2	24.4	36.6
249	31.8	25.0	37.6





#69

Atrazine

Concen: 62.765 ng

RT: 11.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

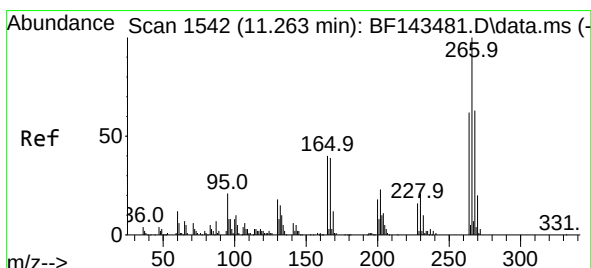
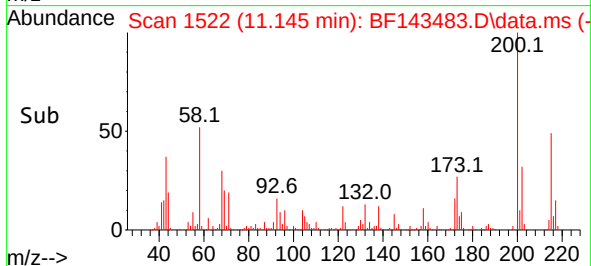
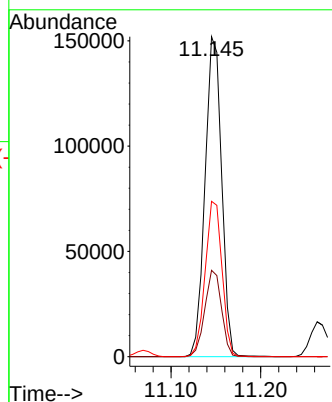
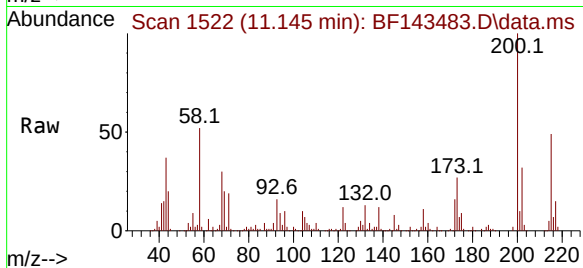
Tgt Ion:200 Resp: 195334

Ion Ratio Lower Upper

200 100

173 27.0 6.9 46.9

215 48.5 30.0 70.0



#70

Pentachlorophenol

Concen: 66.597 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

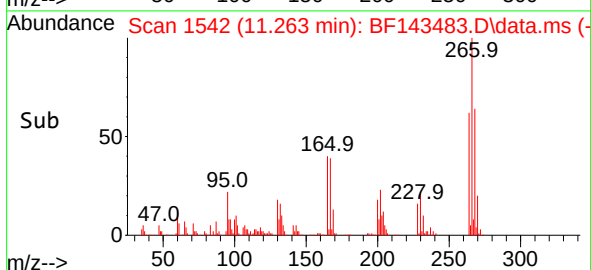
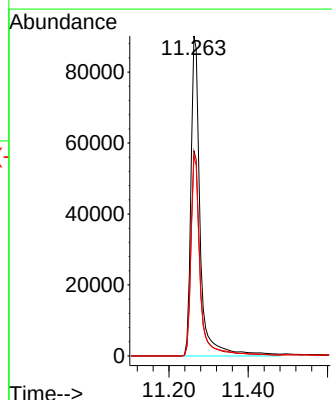
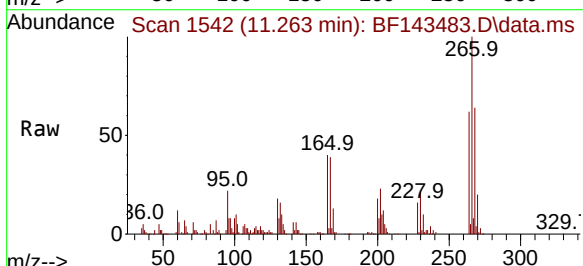
Tgt Ion:266 Resp: 146959

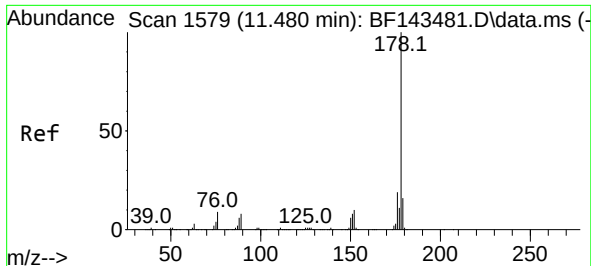
Ion Ratio Lower Upper

266 100

268 64.0 50.5 75.7

264 62.5 49.8 74.8

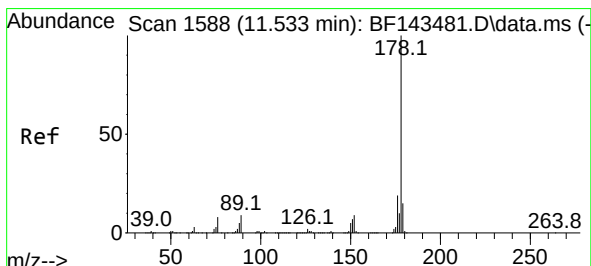
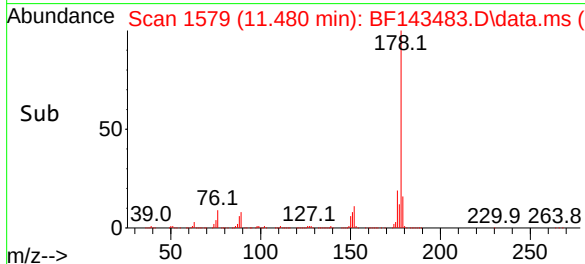
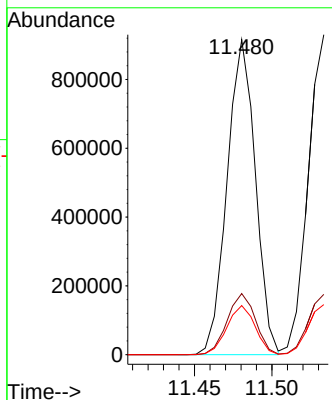
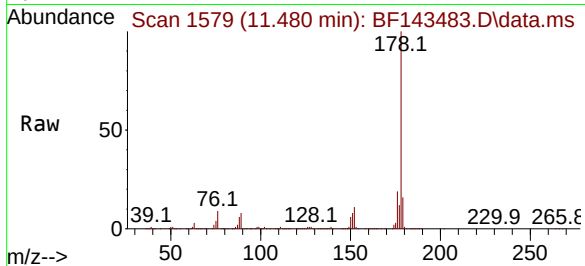




#71
Phenanthrene
Concen: 57.863 ng
RT: 11.480 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

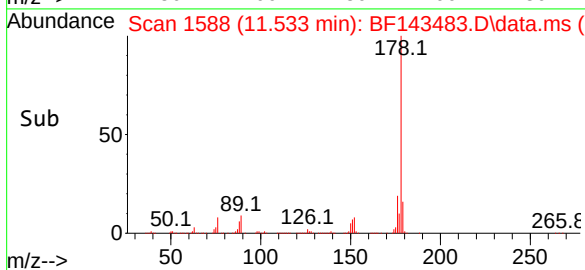
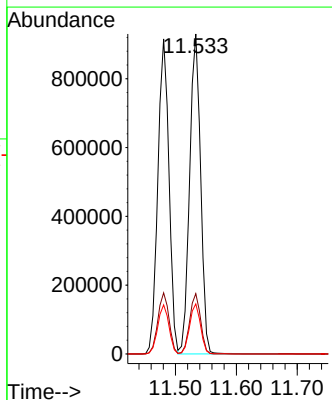
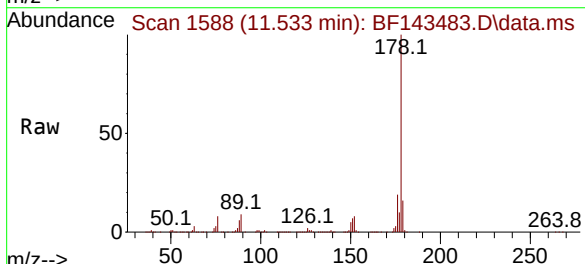
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

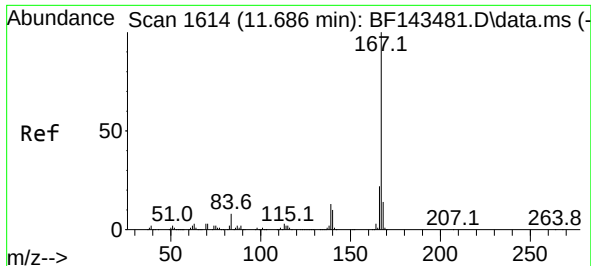
Tgt Ion:178 Resp: 1160860
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.5 18.7



#72
Anthracene
Concen: 57.295 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:178 Resp: 1164449
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.7 12.3 18.5

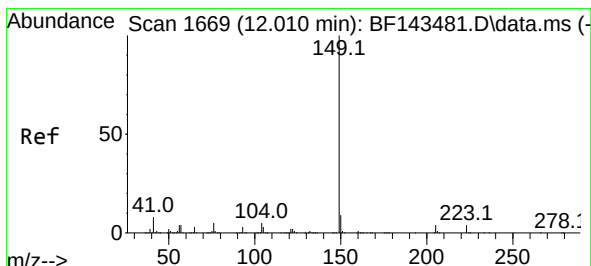
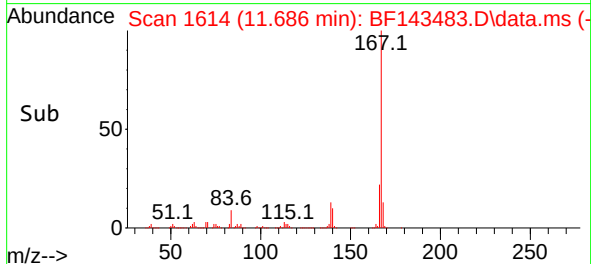
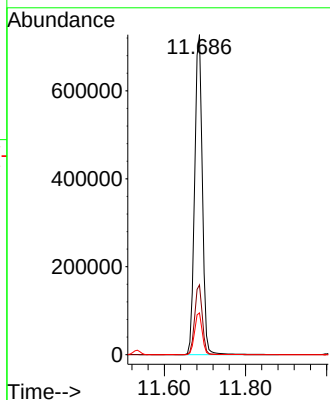
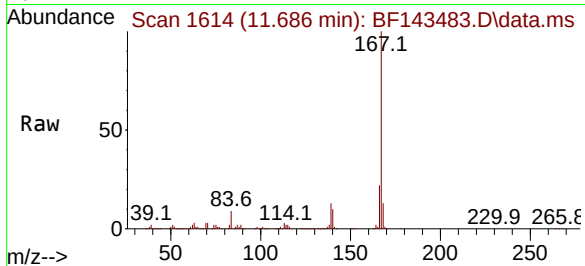




#73
 Carbazole
 Concen: 58.105 ng
 RT: 11.686 min Scan# 1614
 Delta R.T. 0.000 min
 Lab File: BF143483.D
 Acq: 20 Aug 2025 13:51

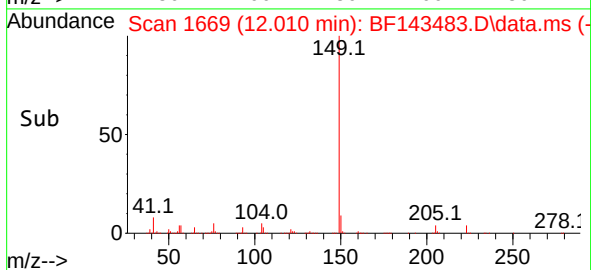
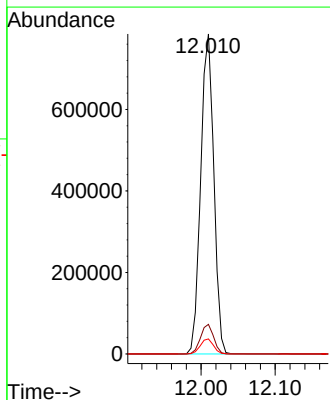
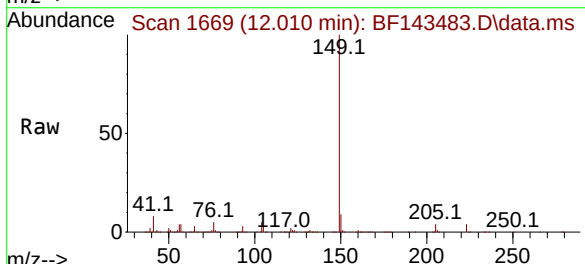
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

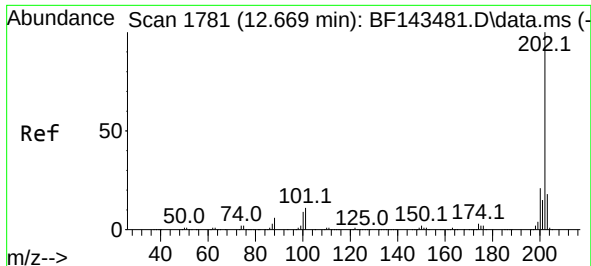
Tgt Ion:167 Resp: 967633
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.3 25.9
 139 13.0 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 62.003 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. 0.000 min
 Lab File: BF143483.D
 Acq: 20 Aug 2025 13:51

Tgt Ion:149 Resp: 963249
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.2 10.8
 104 4.7 3.6 5.4

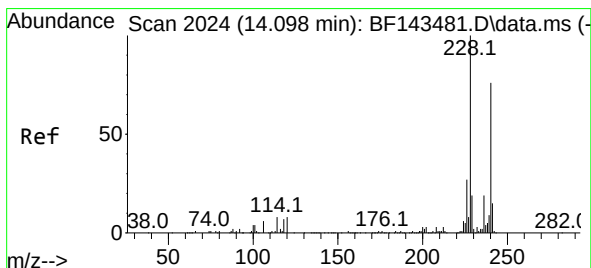
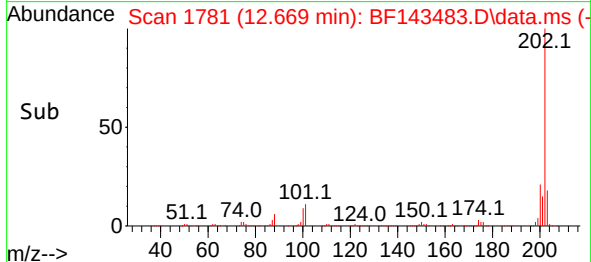
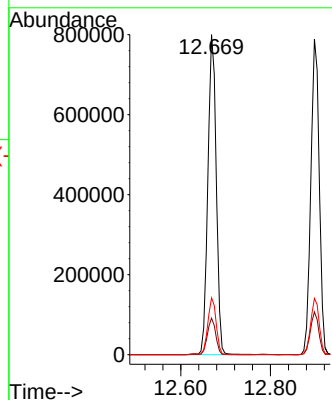
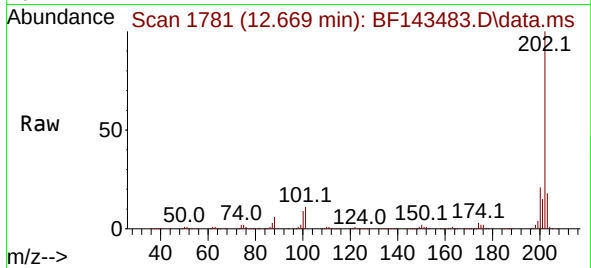




#75
Fluoranthene
Concen: 57.619 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

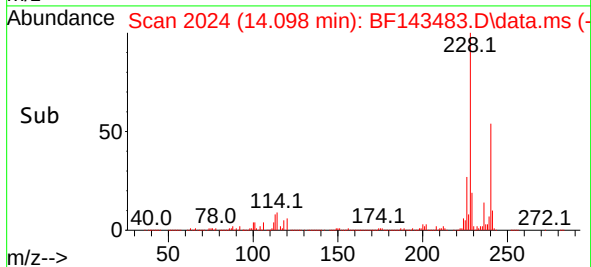
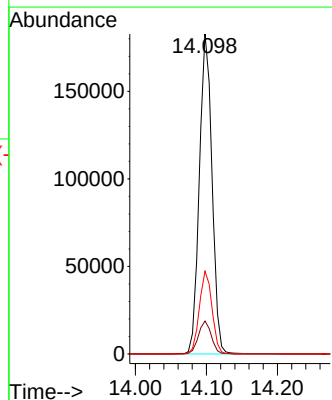
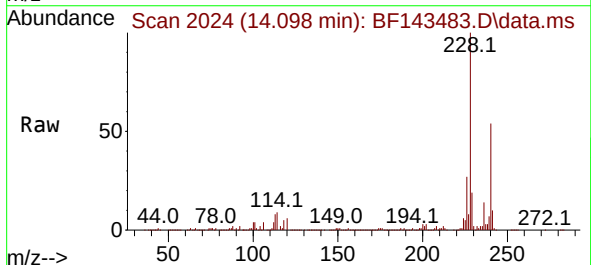
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

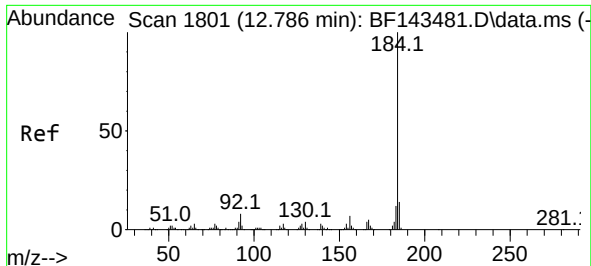
Tgt Ion:202 Resp: 1037239
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.3
203 17.7 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:240 Resp: 227355
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 25.8 20.4 30.6

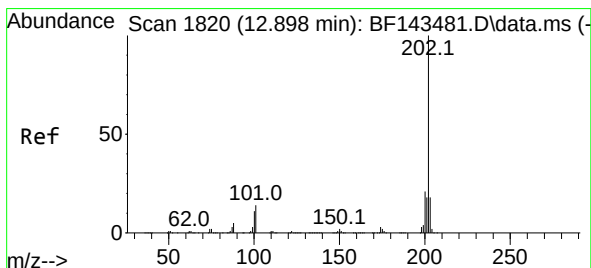
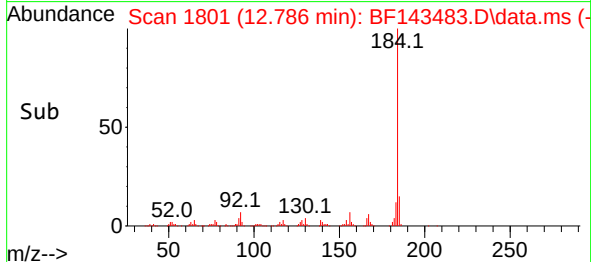
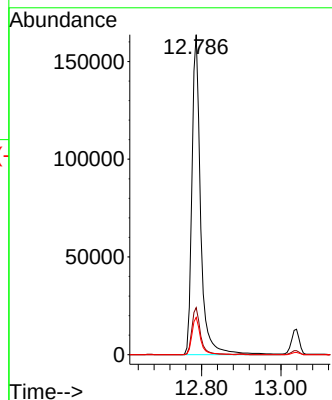
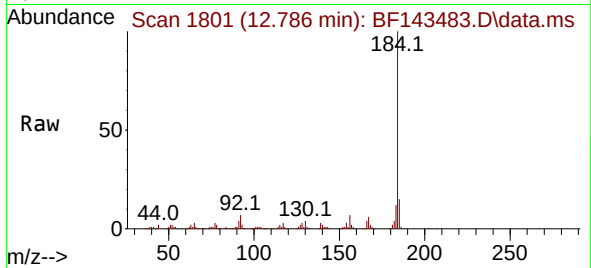




#77
Benzidine
Concen: 45.316 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

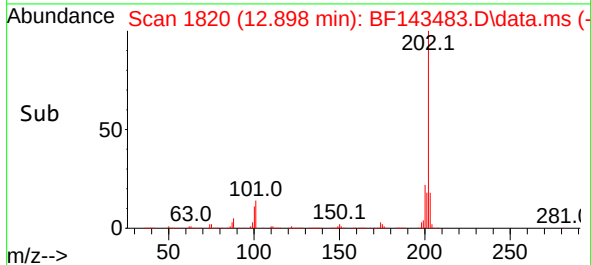
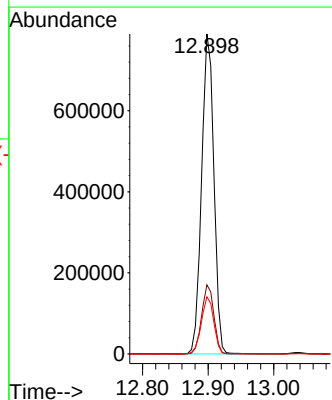
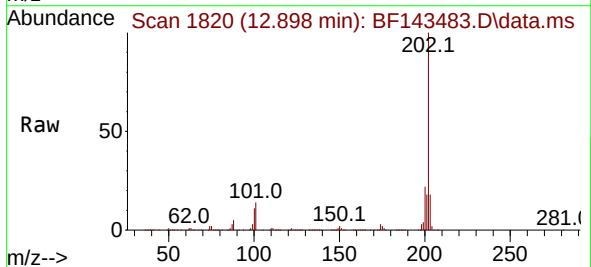
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

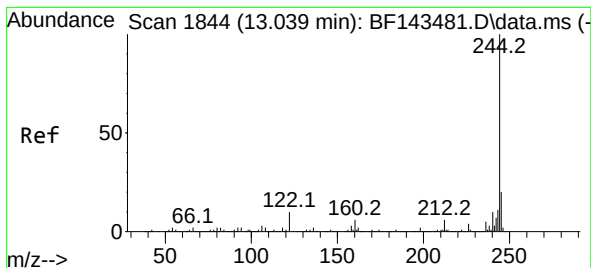
Tgt Ion:184 Resp: 250962
Ion Ratio Lower Upper
184 100
185 14.7 11.3 16.9
183 11.6 9.5 14.3



#78
Pyrene
Concen: 55.127 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:202 Resp: 1030970
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 110.129 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

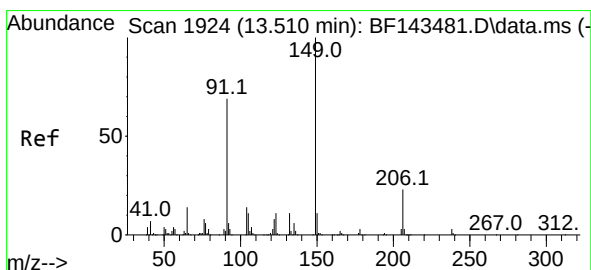
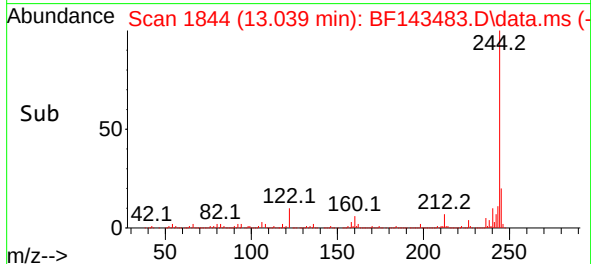
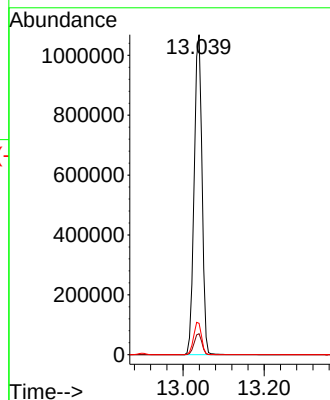
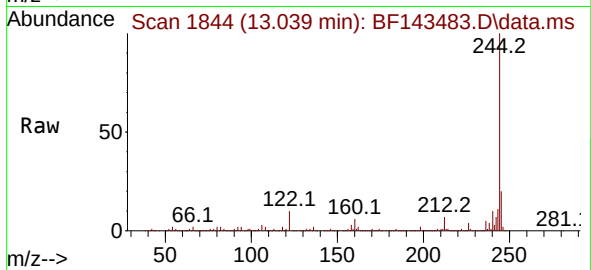
Tgt Ion:244 Resp: 1434829

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 9.8 7.9 11.9



#80

Butylbenzylphthalate

Concen: 68.017 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

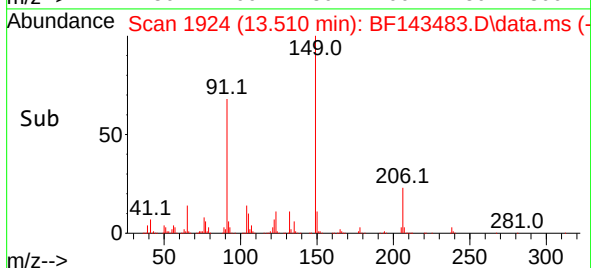
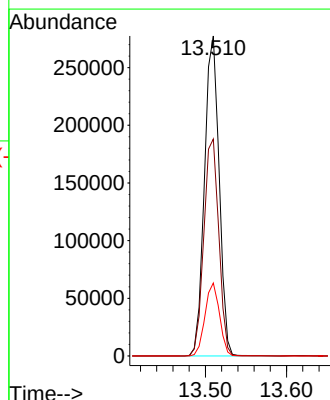
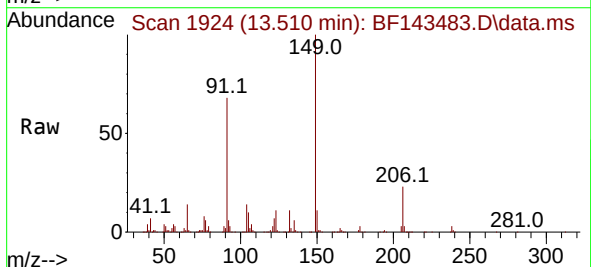
Tgt Ion:149 Resp: 347496

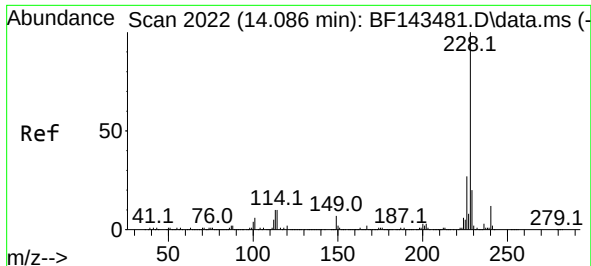
Ion Ratio Lower Upper

149 100

91 67.8 55.3 82.9

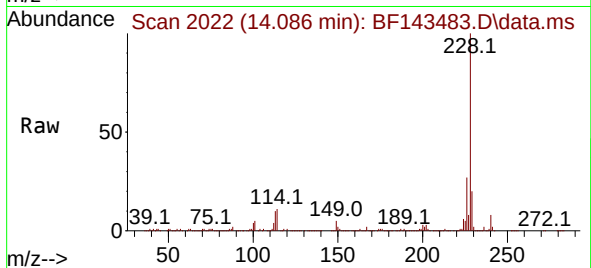
206 22.8 18.2 27.4



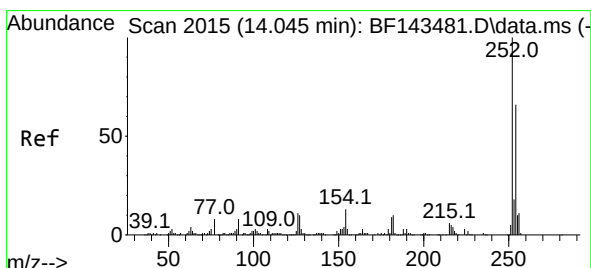
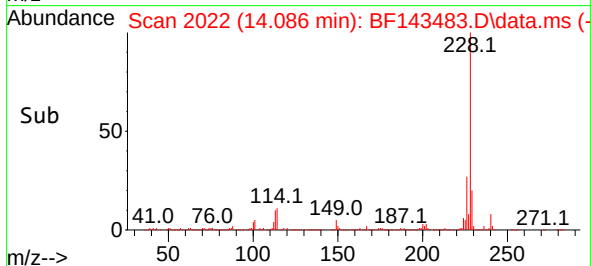
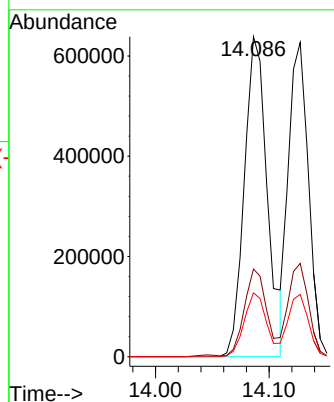


#81
Benzo(a)anthracene
Concen: 61.318 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

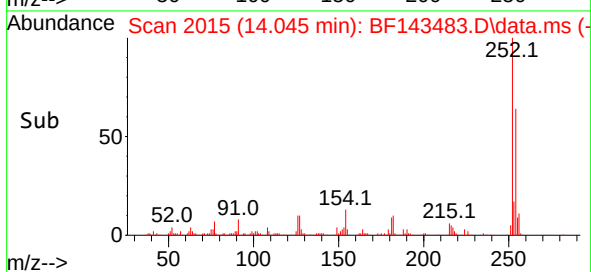
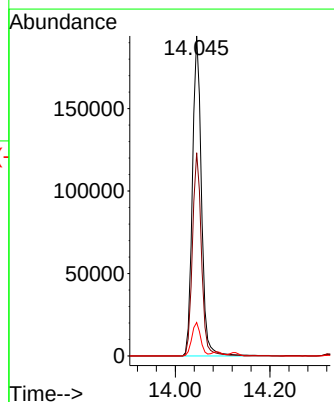
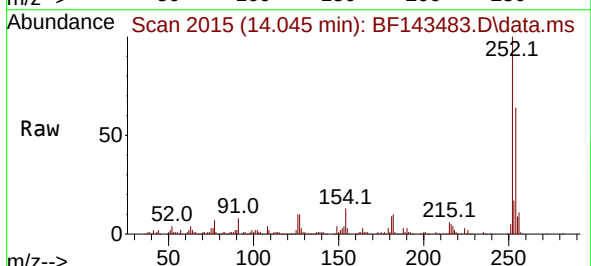


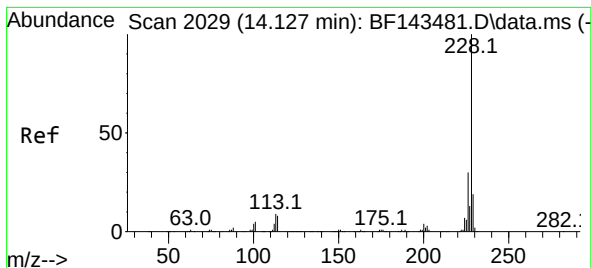
Tgt Ion:228 Resp: 897535
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 20.0 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 61.324 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:252 Resp: 257059
Ion Ratio Lower Upper
252 100
254 63.5 52.6 79.0
126 10.4 8.7 13.1





#83

Chrysene

Concen: 58.342 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

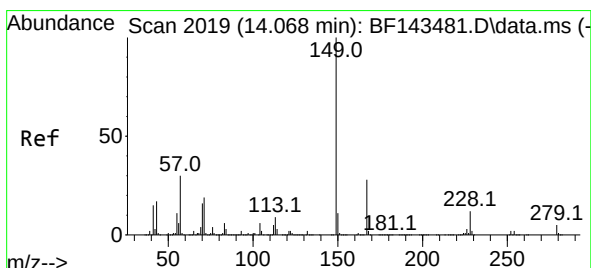
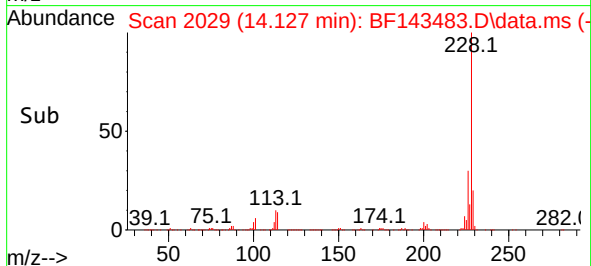
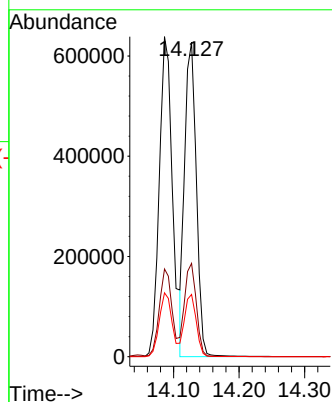
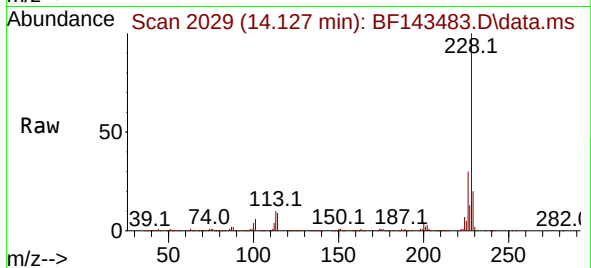
Tgt Ion:228 Resp: 767443

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 67.227 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

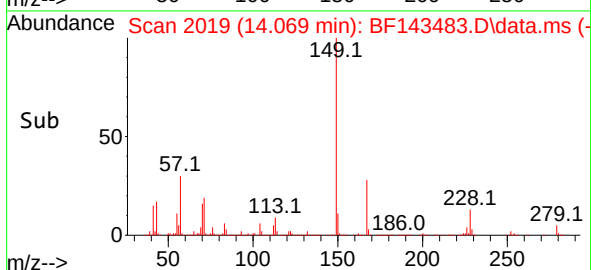
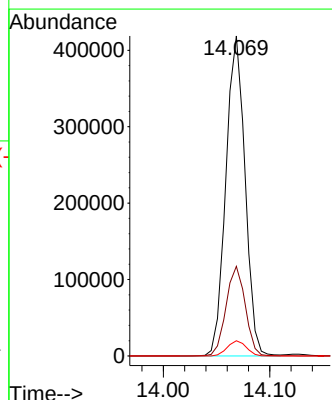
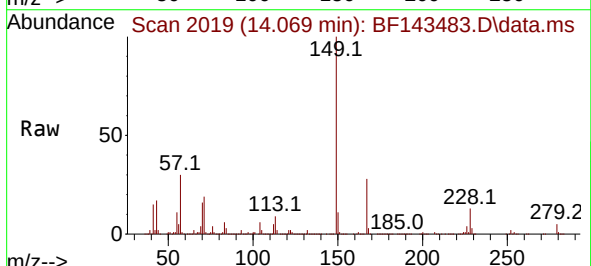
Tgt Ion:149 Resp: 523115

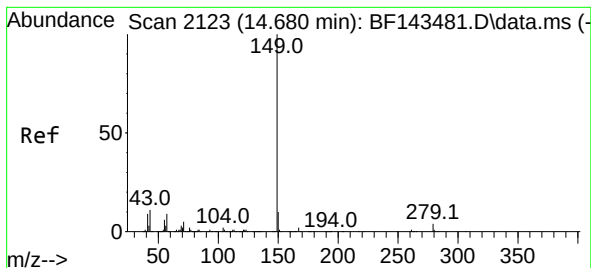
Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.2

279 4.7 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 66.864 ng

RT: 14.680 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

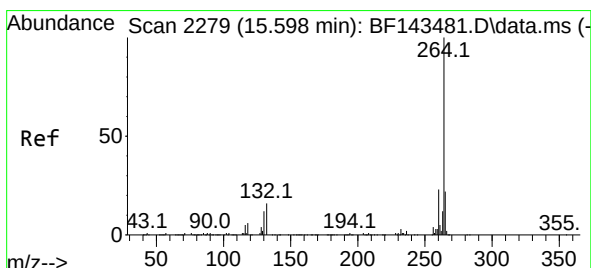
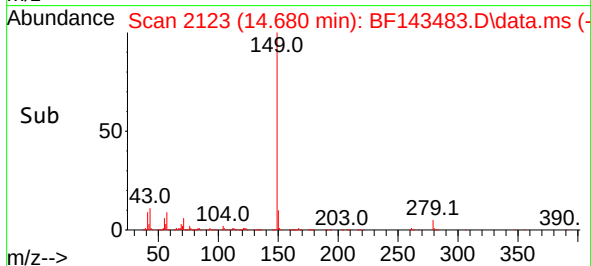
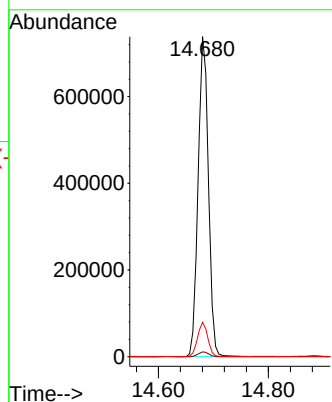
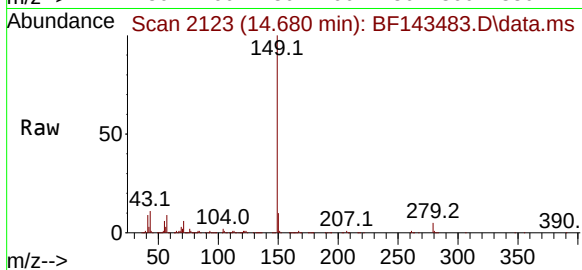
Tgt Ion:149 Resp: 963857

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.5 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

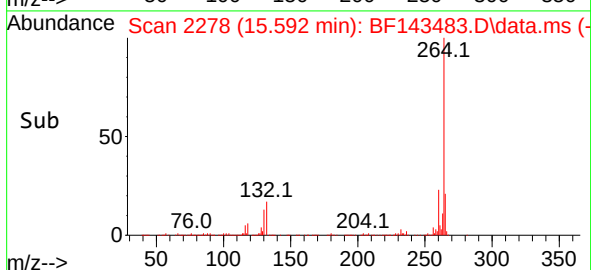
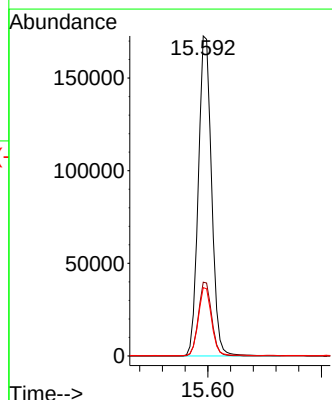
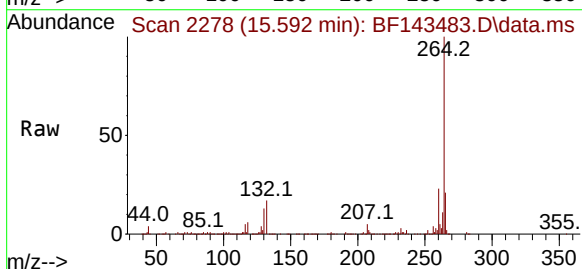
Tgt Ion:264 Resp: 280304

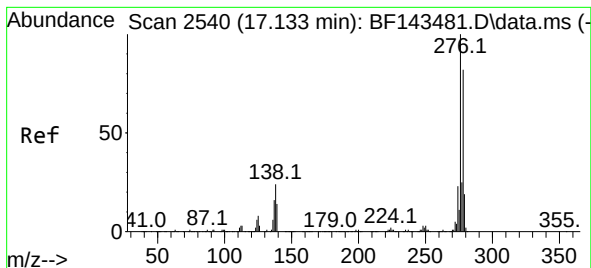
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.208 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

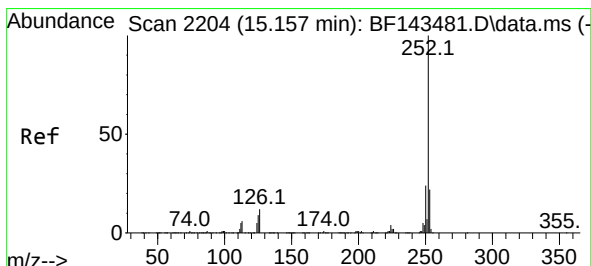
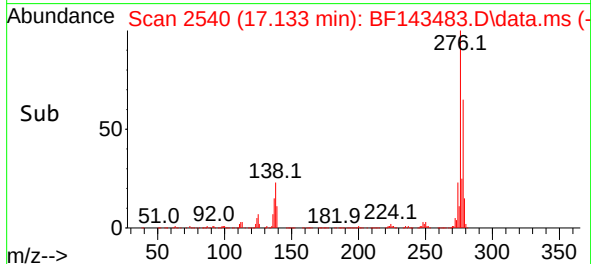
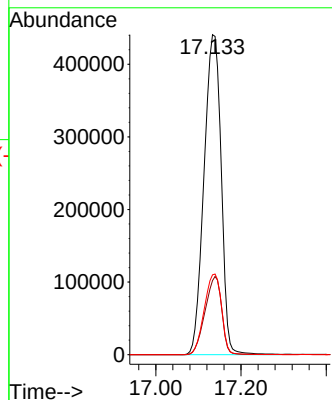
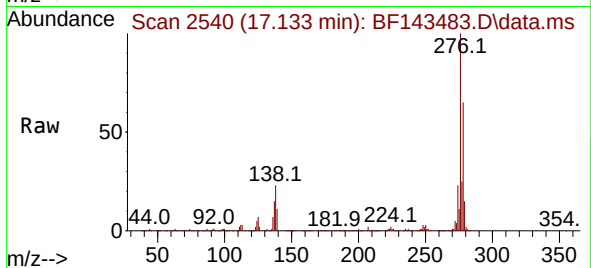
Tgt Ion:276 Resp: 1232879

Ion Ratio Lower Upper

276 100

138 23.7 19.2 28.8

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 57.622 ng

RT: 15.157 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

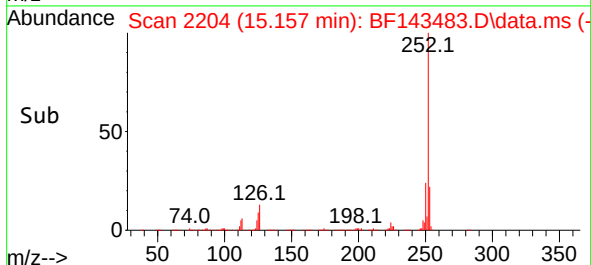
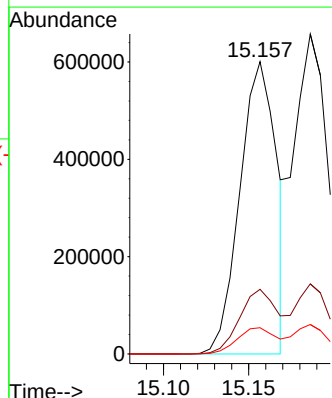
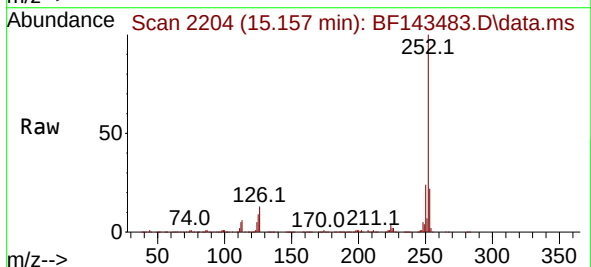
Tgt Ion:252 Resp: 897808

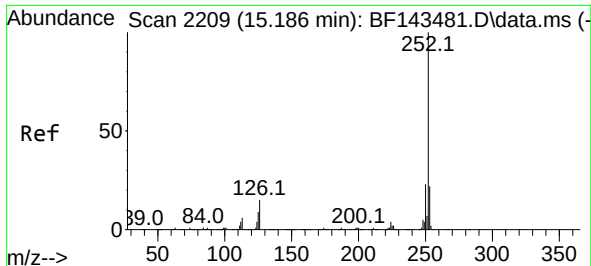
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 62.250 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

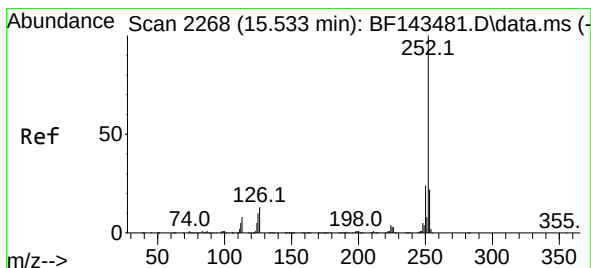
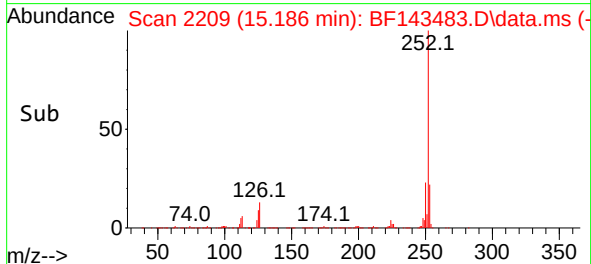
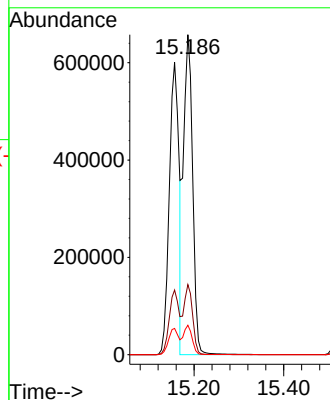
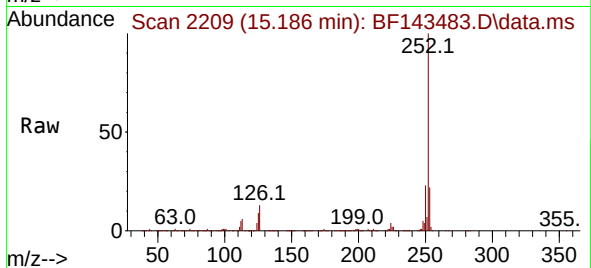
Tgt Ion:252 Resp: 928660

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 60.630 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

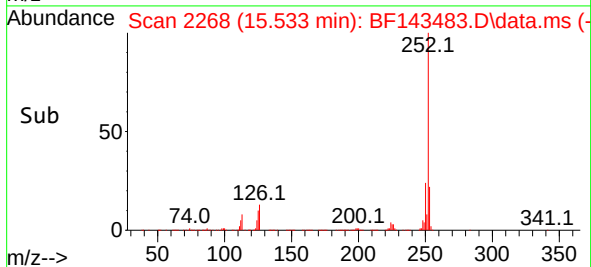
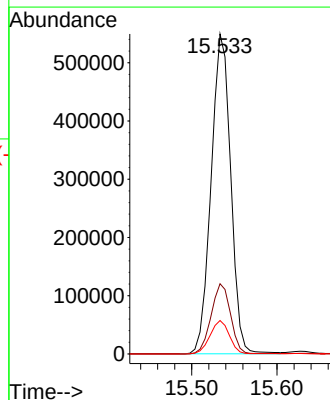
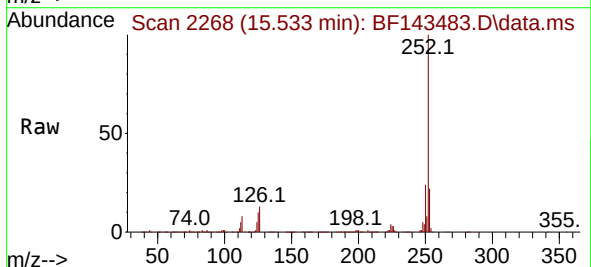
Tgt Ion:252 Resp: 876864

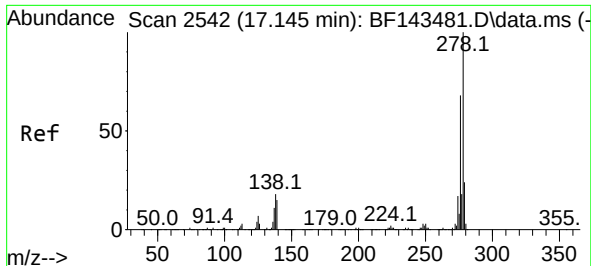
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 10.4 8.2 12.2

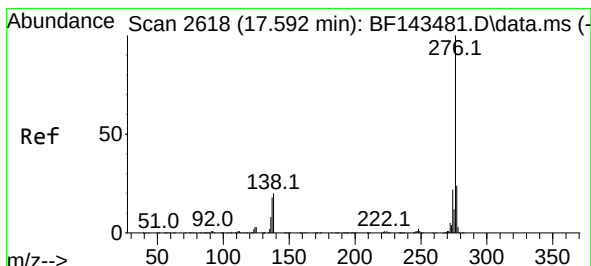
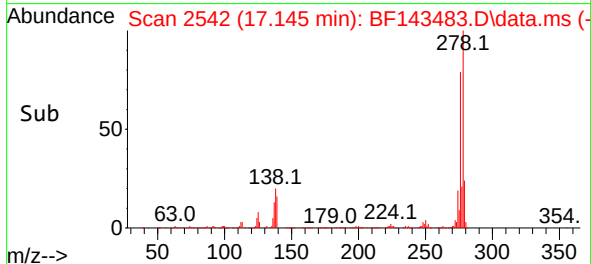
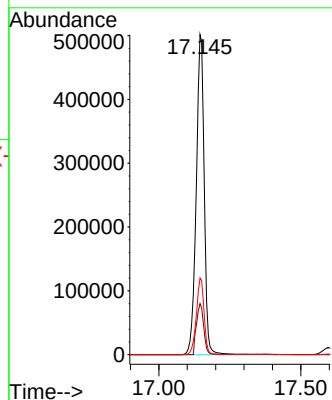
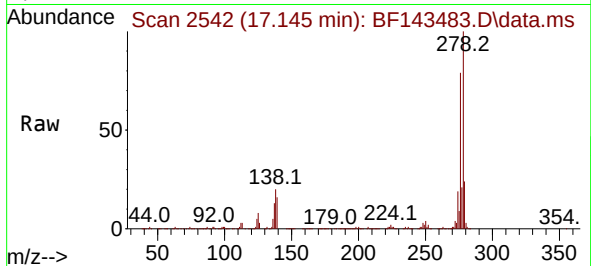




#91
Dibenzo(a,h)anthracene
Concen: 60.896 ng
RT: 17.145 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

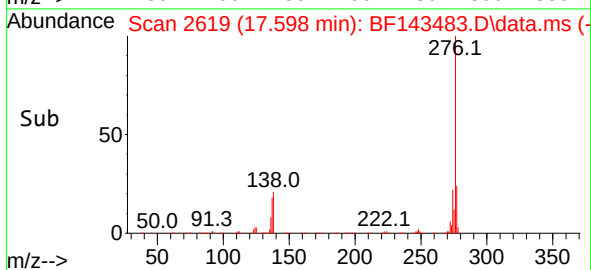
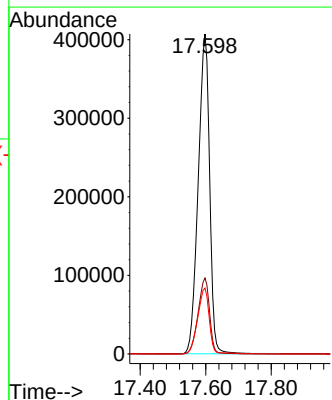
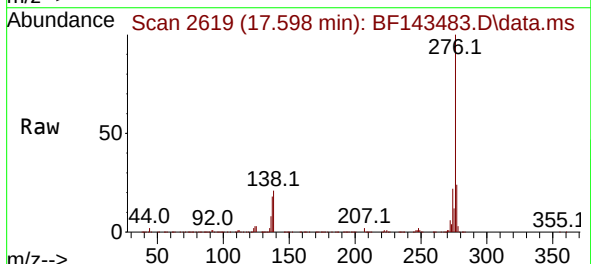
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 982366
Ion Ratio Lower Upper
278 100
139 16.0 12.1 18.1
279 23.9 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 61.444 ng
RT: 17.598 min Scan# 2619
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:276 Resp: 985608
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 20.6 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143484.D
 Acq On : 20 Aug 2025 14:20
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 20 16:23:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	125123	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	471095	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	252899	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	380140	20.000	ng	0.00
76) Chrysene-d12	14.104	240	250059	20.000	ng	0.00
86) Perylene-d12	15.598	264	296923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1062268	148.245	ng	0.00
7) Phenol-d6	6.575	99	1300018	146.969	ng	0.00
23) Nitrobenzene-d5	7.498	82	1224256	151.649	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	358471	152.274	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	2022059	132.140	ng	0.00
79) Terphenyl-d14	13.039	244	1808474	126.204	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	261319	78.723	ng	99
3) Pyridine	3.516	79	711417	80.466	ng	98
4) n-Nitrosodimethylamine	3.475	42	324491	81.643	ng	98
6) Aniline	6.593	93	857604	72.534	ng	# 69
8) 2-Chlorophenol	6.722	128	601470	75.996	ng	99
10) Phenol	6.587	94	725059	71.153	ng	89
11) bis(2-Chloroethyl)ether	6.663	93	578357	75.951	ng	99
12) 1,3-Dichlorobenzene	6.875	146	659299	74.140	ng	100
13) 1,4-Dichlorobenzene	6.945	146	652783	73.180	ng	99
14) 1,2-Dichlorobenzene	7.098	146	617296	73.091	ng	99
15) Benzyl Alcohol	7.075	79	521147	78.692	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	852253	69.956	ng	82
17) 2-Methylphenol	7.187	107	480610	75.661	ng	98
18) Hexachloroethane	7.445	117	228092	75.207	ng	95
19) n-Nitroso-di-n-propyla...	7.351	70	391129	72.344	ng	99
20) 3+4-Methylphenols	7.340	107	538601	71.028	ng	97
22) Acetophenone	7.340	105	720554	70.797	ng	# 98
24) Nitrobenzene	7.516	77	634384	76.350	ng	99
25) Isophorone	7.757	82	1136551	76.802	ng	99
26) 2-Nitrophenol	7.828	139	326185	80.143	ng	99
27) 2,4-Dimethylphenol	7.869	122	473860	74.687	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	673547	74.061	ng	100
29) 2,4-Dichlorophenol	8.075	162	501321	73.984	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	515561	74.002	ng	99
31) Naphthalene	8.234	128	1619392	71.600	ng	99
32) Benzoic acid	8.010	122	302185	79.400	ng	99
33) 4-Chloroaniline	8.281	127	593863	73.979	ng	99
34) Hexachlorobutadiene	8.351	225	333754	73.429	ng	99
35) Caprolactam	8.675	113	136369	83.868	ng	99
36) 4-Chloro-3-methylphenol	8.769	107	507643	74.756	ng	99
37) 2-Methylnaphthalene	8.928	142	1059150	70.116	ng	100
38) 1-Methylnaphthalene	9.028	142	1018285	70.472	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	523305	72.341	ng	99
41) Hexachlorocyclopentadiene	9.081	237	224318	79.823	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	342710	76.993	ng	100
44) 2,4,5-Trichlorophenol	9.251	196	369517	75.999	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143484.D
 Acq On : 20 Aug 2025 14:20
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 20 16:23:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

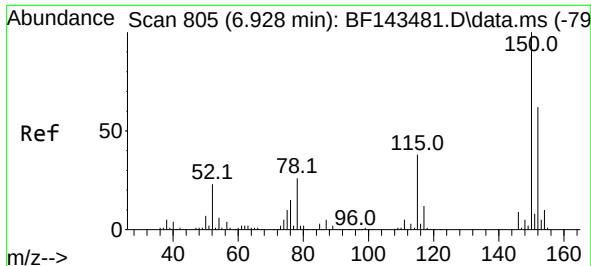
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.392	154	1261514	70.278	ng	100
47) 2-Chloronaphthalene	9.416	162	1020070	72.427	ng	99
48) 2-Nitroaniline	9.510	65	323688	78.529	ng	97
49) Acenaphthylene	9.828	152	1453334	72.067	ng	99
50) Dimethylphthalate	9.681	163	1146434	75.267	ng	100
51) 2,6-Dinitrotoluene	9.751	165	254308	80.559	ng	99
52) Acenaphthene	10.004	154	996259	72.761	ng	100
53) 3-Nitroaniline	9.922	138	272588	79.912	ng	99
54) 2,4-Dinitrophenol	10.028	184	130385	77.416	ng	97
55) Dibenzofuran	10.175	168	1396682	71.547	ng	99
56) 4-Nitrophenol	10.086	139	183388	90.356	ng	97
57) 2,4-Dinitrotoluene	10.157	165	339818	80.619	ng	99
58) Fluorene	10.522	166	1036620	68.995	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.298	232	291172	80.607	ng	100
60) Diethylphthalate	10.386	149	1019464	74.653	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	532970	70.930	ng	100
62) 4-Nitroaniline	10.539	138	253207	80.815	ng	97
63) Azobenzene	10.669	77	1029397	72.699	ng	99
65) 4,6-Dinitro-2-methylph...	10.569	198	190849	89.041	ng	99
66) n-Nitrosodiphenylamine	10.628	169	896806	73.307	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	344616	75.979	ng	98
68) Hexachlorobenzene	11.075	284	369632	75.603	ng	98
69) Atrazine	11.151	200	267710	84.774	ng	98
70) Pentachlorophenol	11.269	266	198658	88.721	ng	100
71) Phenanthrene	11.480	178	1473414	72.378	ng	100
72) Anthracene	11.533	178	1489612	72.232	ng	99
73) Carbazole	11.686	167	1254509	74.240	ng	99
74) Di-n-butylphthalate	12.010	149	1299399	82.429	ng	99
75) Fluoranthene	12.674	202	1310616	71.750	ng	99
77) Benzidine	12.786	184	371810	61.042	ng	100
78) Pyrene	12.904	202	1327454	64.536	ng	100
80) Butylbenzylphthalate	13.510	149	484637	86.247	ng	99
81) Benzo(a)anthracene	14.092	228	1237164	76.847	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	370170	80.290	ng	99
83) Chrysene	14.127	228	1114466	77.031	ng	99
84) Bis(2-ethylhexyl)phtha...	14.069	149	700384	81.836	ng	99
85) Di-n-octyl phthalate	14.686	149	1227818	77.442	ng	100
87) Indeno(1,2,3-cd)pyrene	17.139	276	1538560	72.108	ng	100
88) Benzo(b)fluoranthene	15.157	252	1329385	80.545	ng	99
89) Benzo(k)fluoranthene	15.192	252	1193283	75.511	ng	99
90) Benzo(a)pyrene	15.539	252	1200553	78.365	ng	100
91) Dibenzo(a,h)anthracene	17.157	278	1214959	71.099	ng	100
92) Benzo(g,h,i)perylene	17.604	276	1233571	72.598	ng	99

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Age Group	Percentage
2	10%
3	10%
4	10%
5	10%
6	10%
7	10%
8	10%
9	10%
10	10%
11	10%
12	10%
13	10%
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18	10%

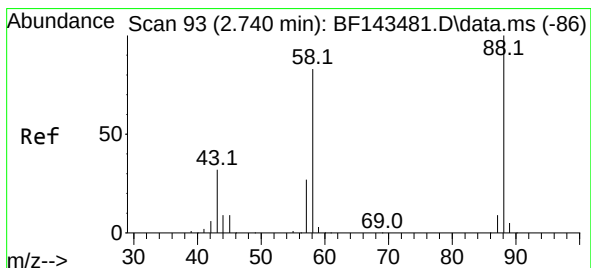
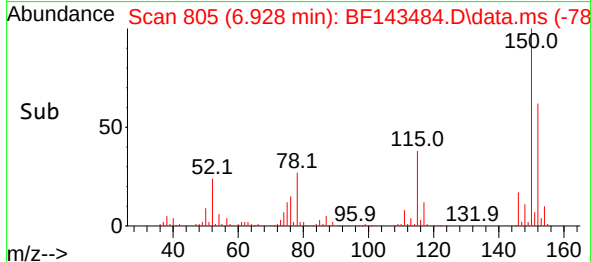
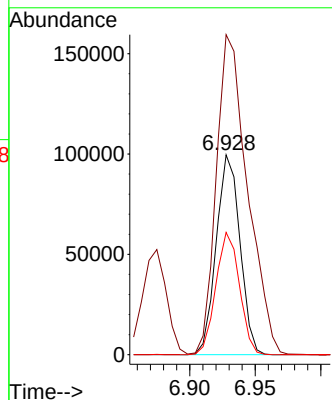
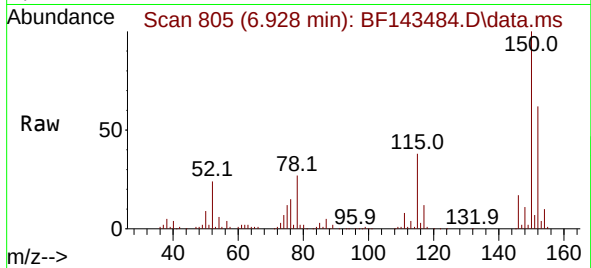




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143484.D
 Acq: 20 Aug 2025 14:20

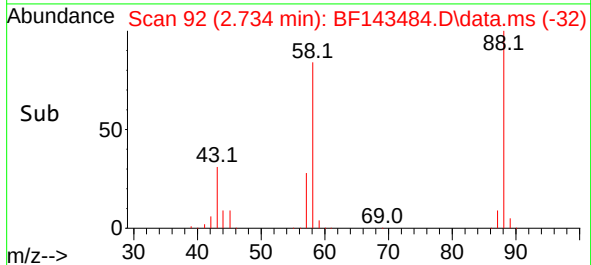
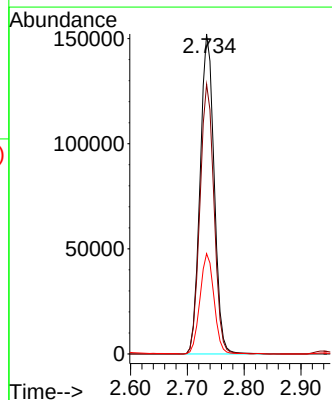
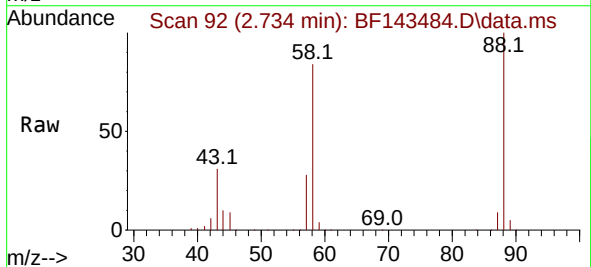
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

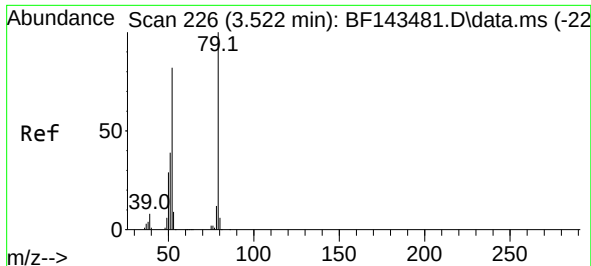
Tgt Ion:152 Resp: 125123
 Ion Ratio Lower Upper
 152 100
 150 160.1 128.9 193.3
 115 61.1 49.2 73.8



#2
 1,4-Dioxane
 Concen: 78.723 ng
 RT: 2.734 min Scan# 92
 Delta R.T. 0.000 min
 Lab File: BF143484.D
 Acq: 20 Aug 2025 14:20

Tgt Ion: 88 Resp: 261319
 Ion Ratio Lower Upper
 88 100
 58 84.6 66.7 100.1
 43 31.5 25.8 38.8





#3

Pyridine

Concen: 80.466 ng

RT: 3.516 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

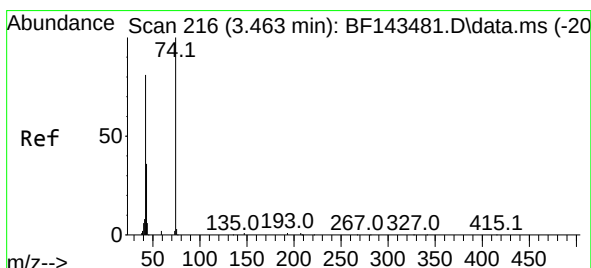
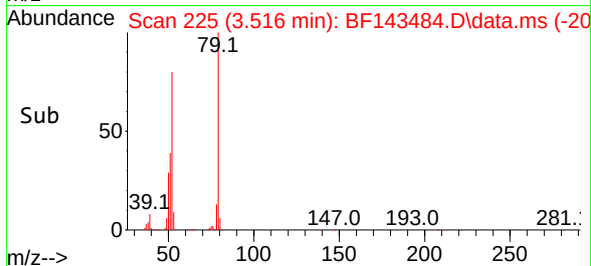
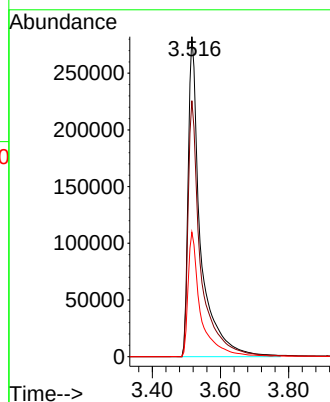
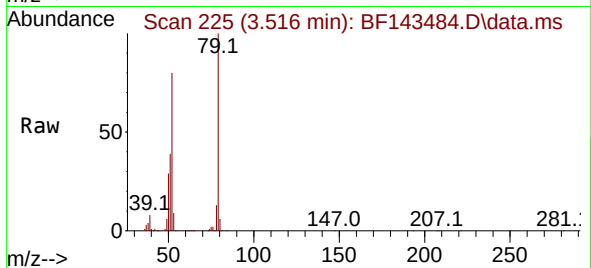
Tgt Ion: 79 Resp: 711417

Ion Ratio Lower Upper

79 100

52 80.0 65.6 98.4

51 38.9 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 81.643 ng

RT: 3.475 min Scan# 218

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

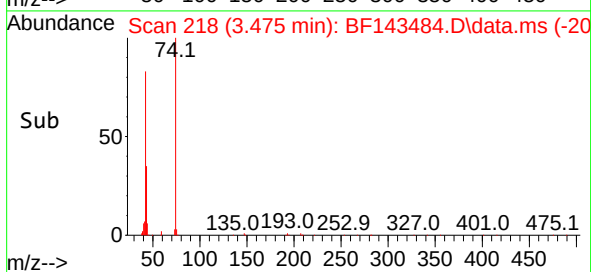
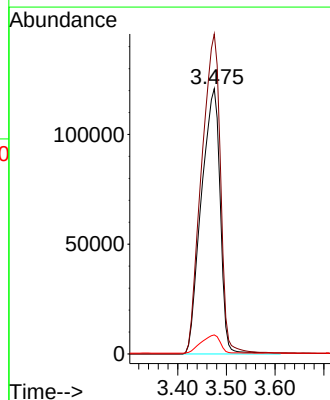
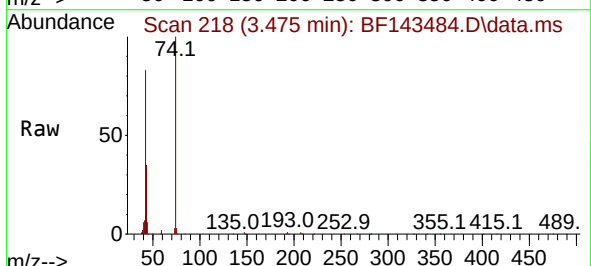
Tgt Ion: 42 Resp: 324491

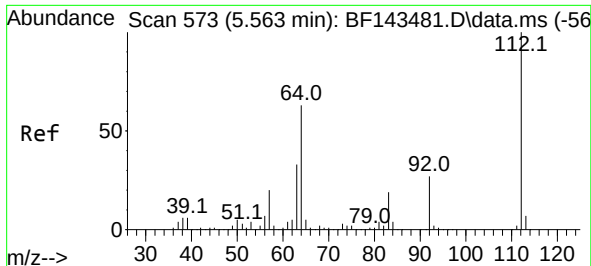
Ion Ratio Lower Upper

42 100

74 120.6 98.6 148.0

44 7.2 5.8 8.8

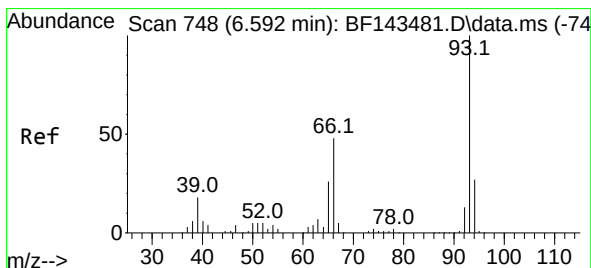
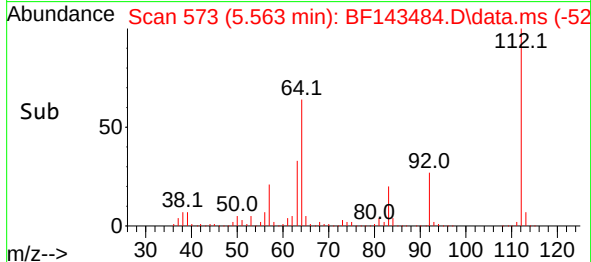
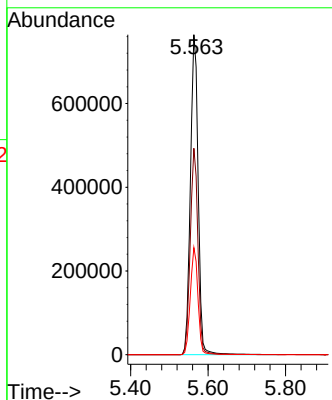
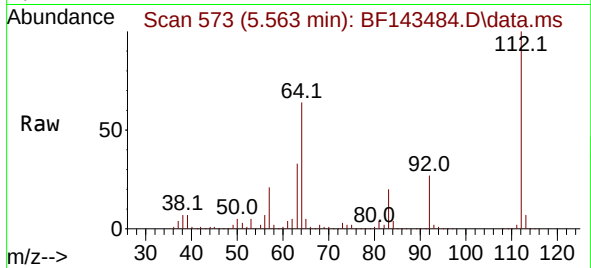




#5
2-Fluorophenol
Concen: 148.245 ng
RT: 5.563 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

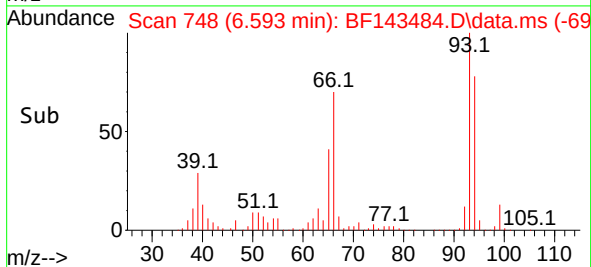
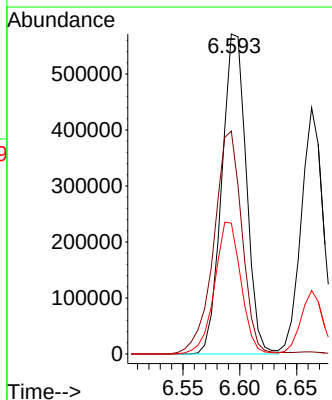
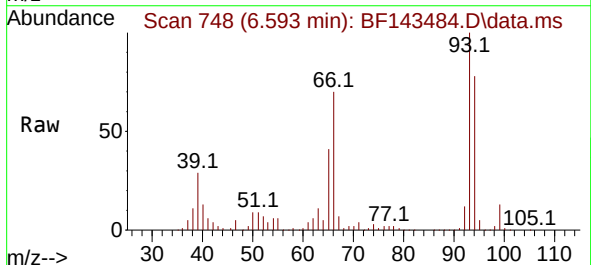
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

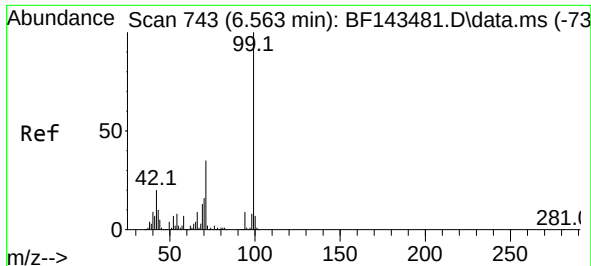
Tgt Ion:112 Resp: 1062268
Ion Ratio Lower Upper
112 100
64 64.5 50.4 75.6
63 33.5 26.4 39.6



#6
Aniline
Concen: 72.534 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 93 Resp: 857604
Ion Ratio Lower Upper
93 100
66 69.7 38.9 58.3#
65 40.9 20.6 30.8#

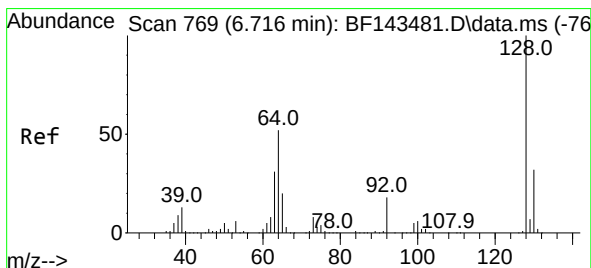
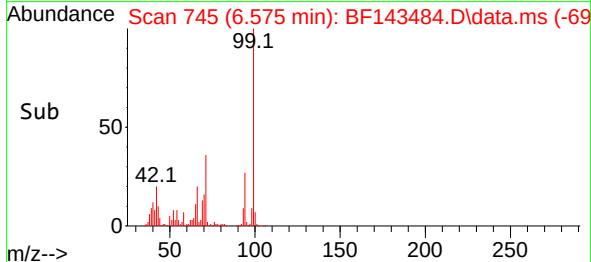
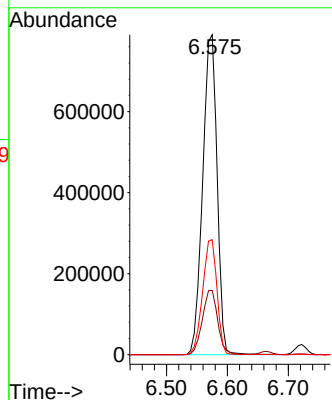
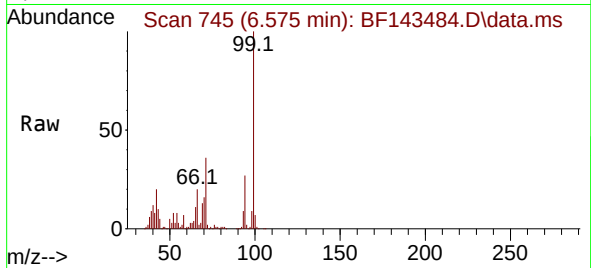




#7
Phenol-d6
Concen: 146.969 ng
RT: 6.575 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

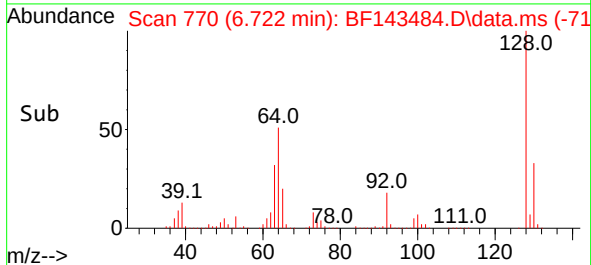
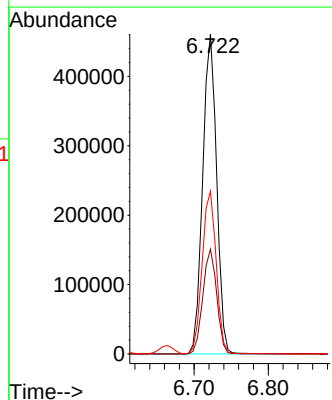
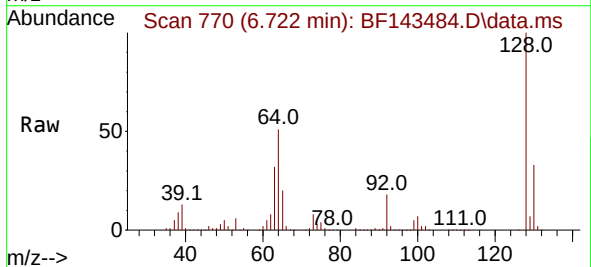
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

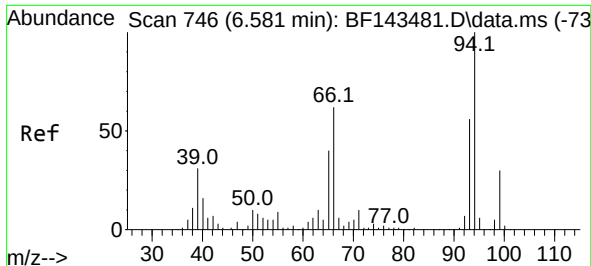
Tgt Ion: 99 Resp: 1300018
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 35.9 28.2 42.2



#8
2-Chlorophenol
Concen: 75.996 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 128 Resp: 601470
Ion Ratio Lower Upper
128 100
130 32.8 12.4 52.4
64 50.8 31.6 71.6

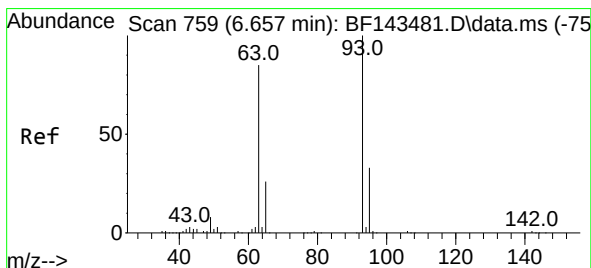
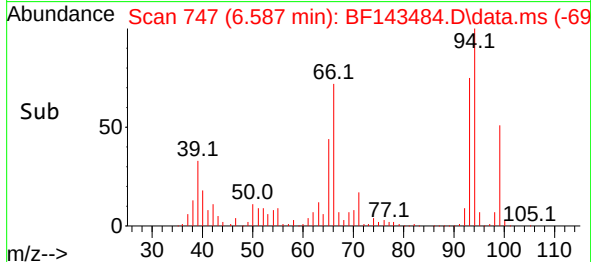
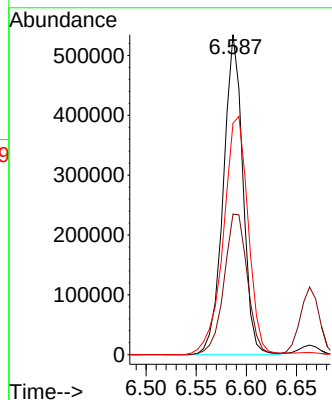
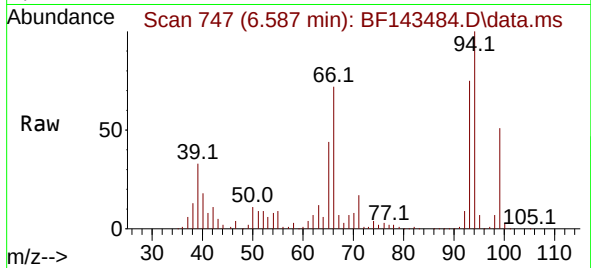




#10
Phenol
Concen: 71.153 ng
RT: 6.587 min Scan# 746
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

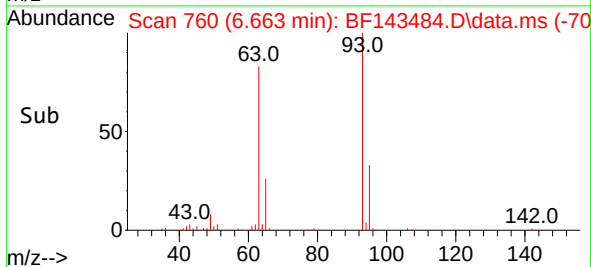
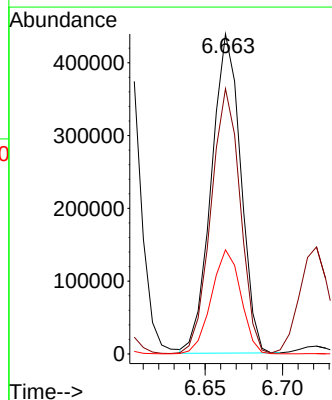
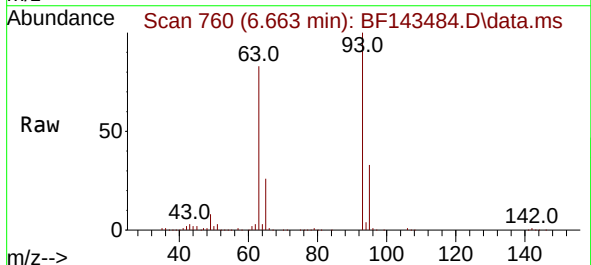
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

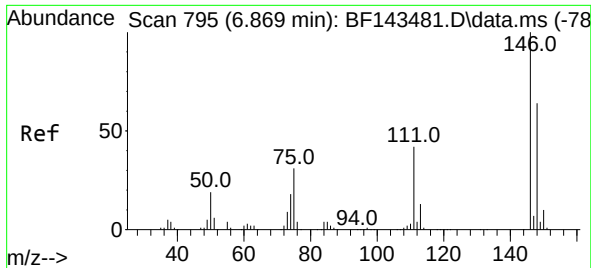
Tgt Ion: 94 Resp: 725059
Ion Ratio Lower Upper
94 100
65 44.0 19.5 59.5
66 72.4 42.5 82.5



#11
bis(2-Chloroethyl)ether
Concen: 75.951 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 93 Resp: 578357
Ion Ratio Lower Upper
93 100
63 82.9 63.6 103.6
95 32.6 12.8 52.8

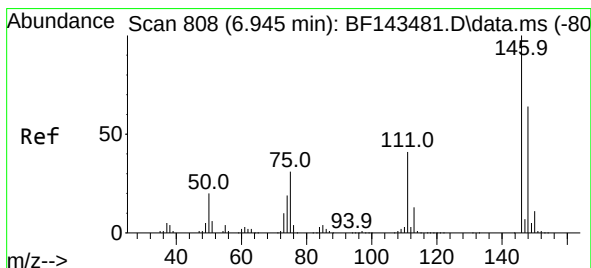
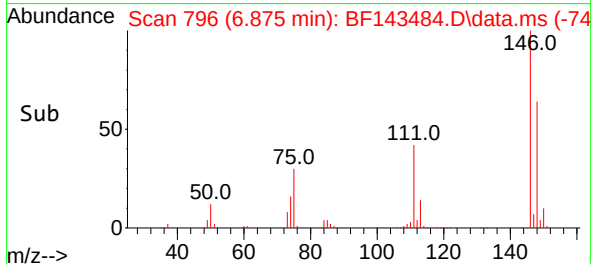
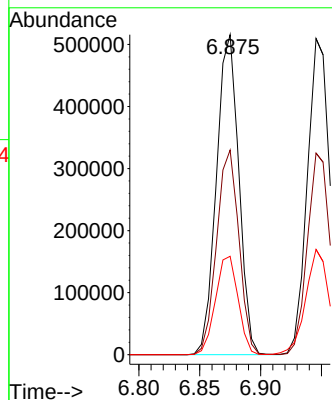
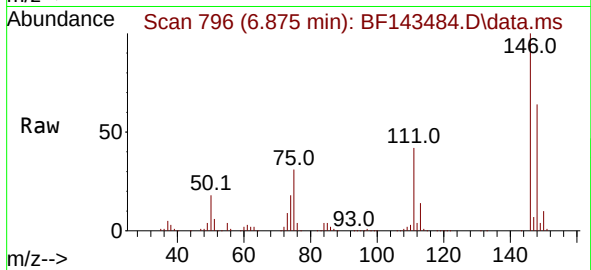




#12
1,3-Dichlorobenzene
Concen: 74.140 ng
RT: 6.875 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

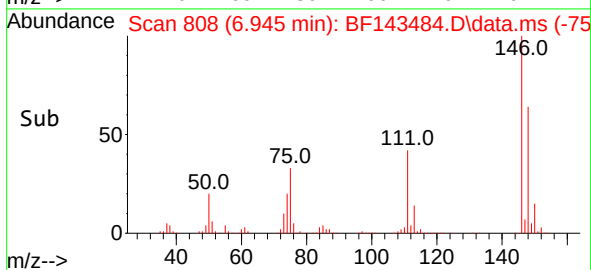
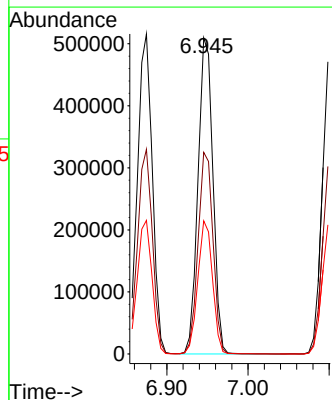
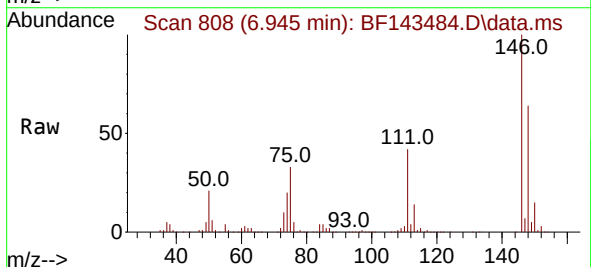
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

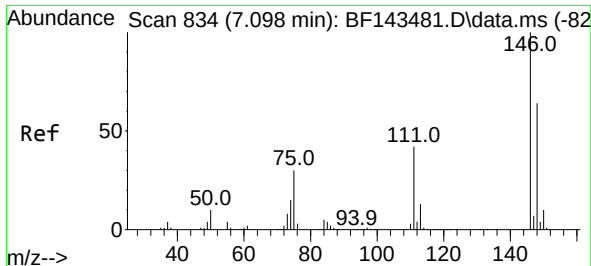
Tgt Ion:146 Resp: 659299
Ion Ratio Lower Upper
146 100
148 64.0 51.3 76.9
75 30.7 24.7 37.1



#13
1,4-Dichlorobenzene
Concen: 73.180 ng
RT: 6.945 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:146 Resp: 652783
Ion Ratio Lower Upper
146 100
148 63.8 51.5 77.3
111 42.1 32.6 49.0





#14

1,2-Dichlorobenzene

Concen: 73.091 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

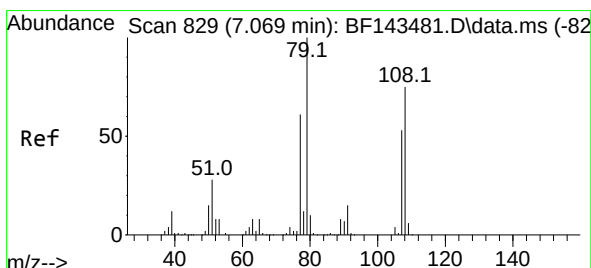
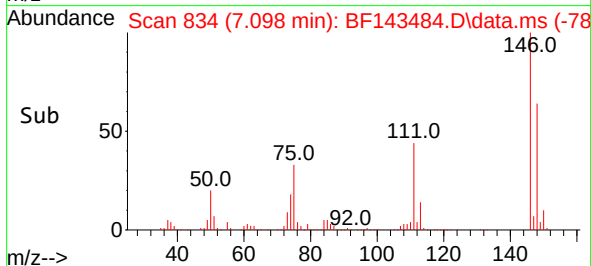
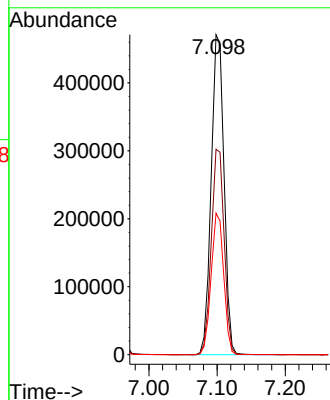
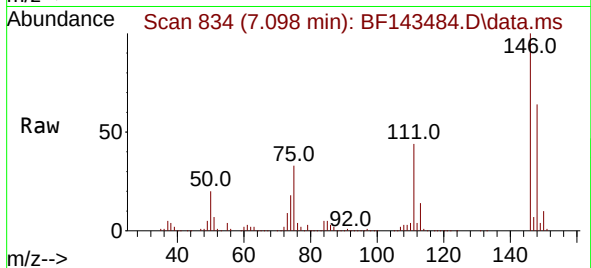
Tgt Ion:146 Resp: 617296

Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.6

111 44.2 34.0 51.0



#15

Benzyl Alcohol

Concen: 78.692 ng

RT: 7.075 min Scan# 830

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

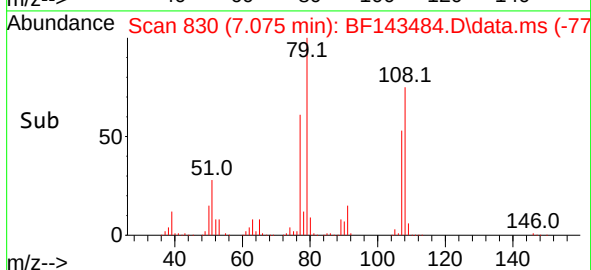
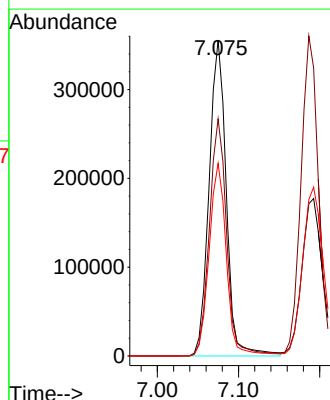
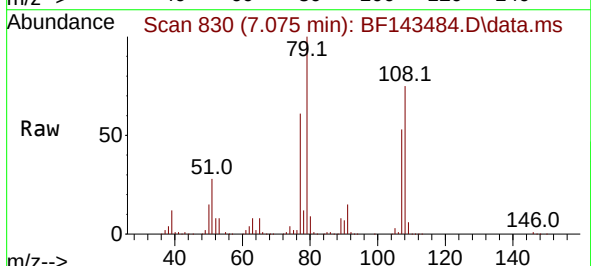
Tgt Ion: 79 Resp: 521147

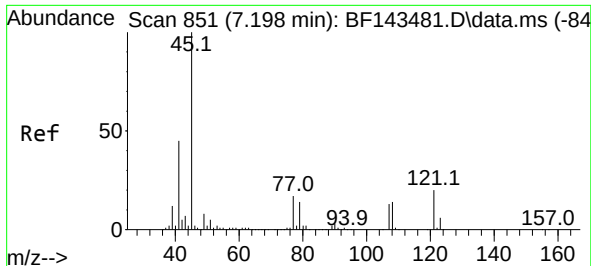
Ion Ratio Lower Upper

79 100

108 75.1 59.8 89.6

77 61.0 49.0 73.4

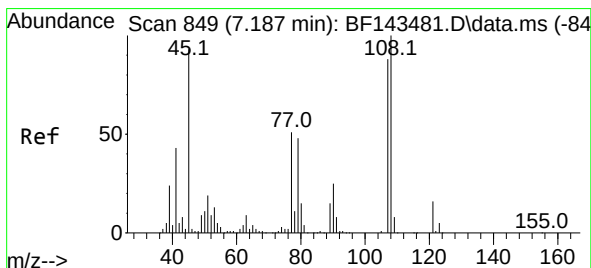
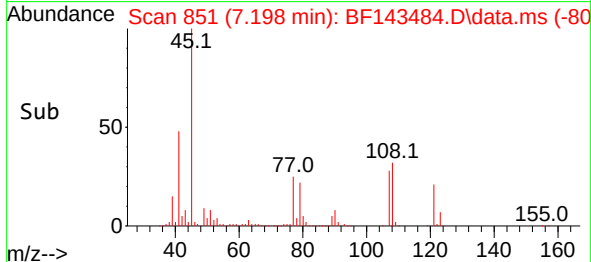
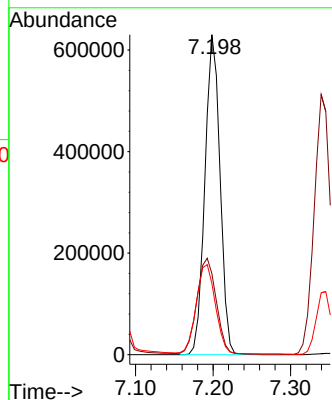
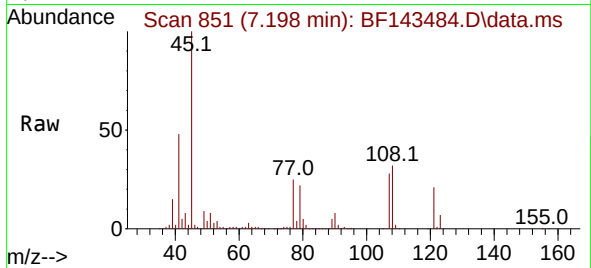




#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.956 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

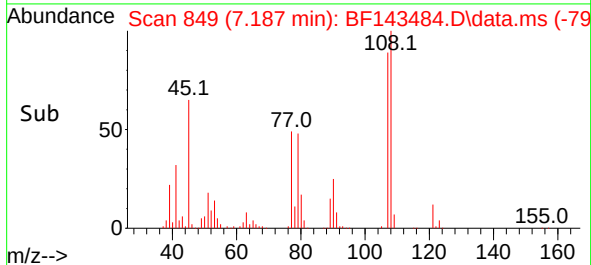
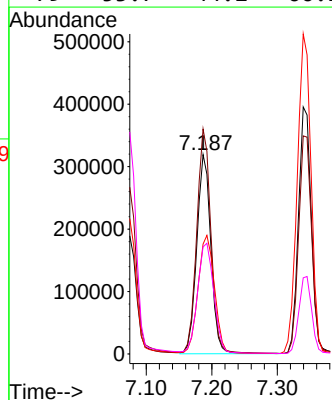
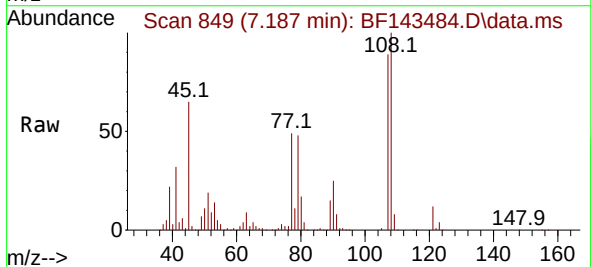
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

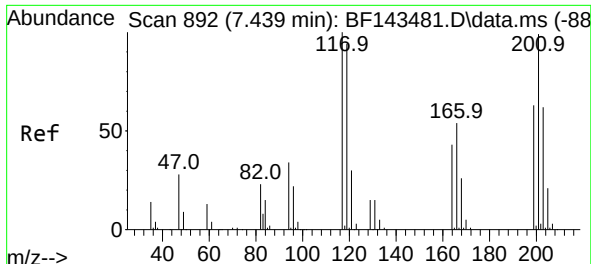
Tgt Ion: 45	Resp: 852253
Ion Ratio	Lower Upper
45 100	
77 25.4	0.0 37.9
79 22.3	0.0 34.7



#17
2-Methylphenol
Concen: 75.661 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt	Ion:107	Resp:	480610
Ion	Ratio	Lower	Upper
107	100		
108	112.8	91.1	136.7
77	55.1	46.2	69.4
79	53.7	44.2	66.2

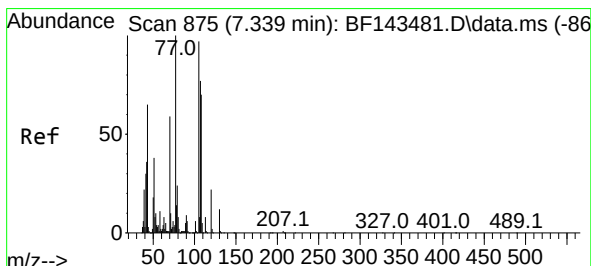
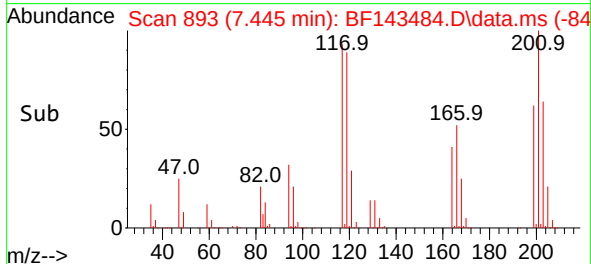
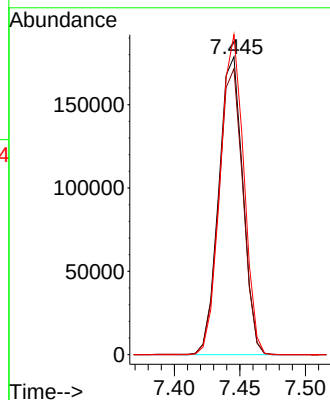
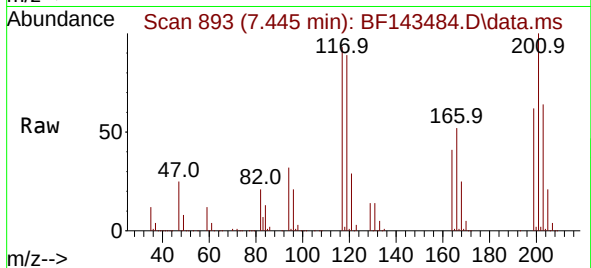




#18
Hexachloroethane
Concen: 75.207 ng
RT: 7.445 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

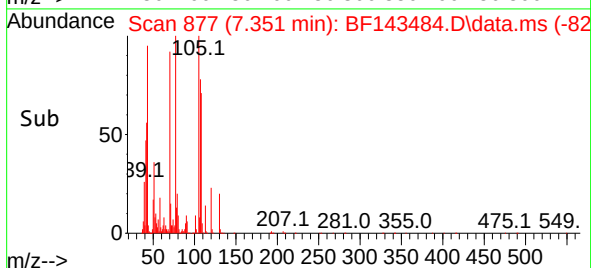
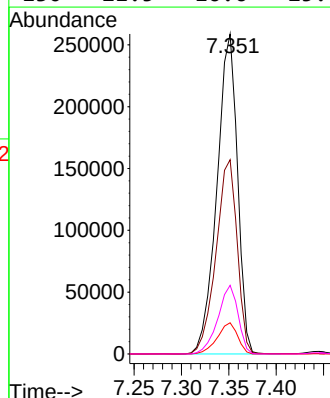
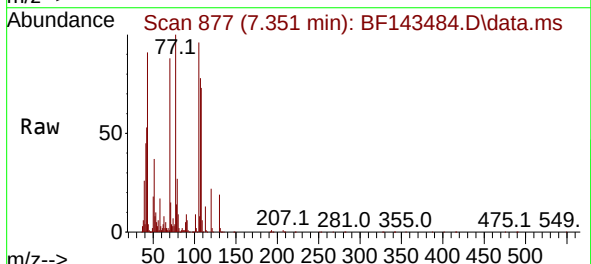
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

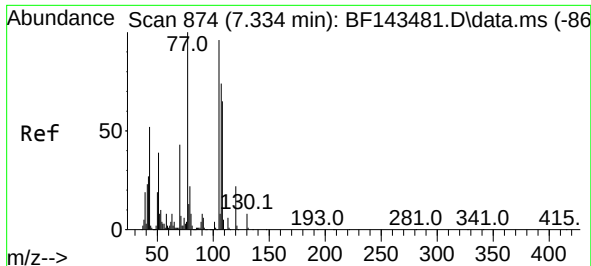
Tgt Ion:117 Resp: 228092
Ion Ratio Lower Upper
117 100
119 96.0 75.4 113.0
201 107.4 79.0 118.4



#19
n-Nitroso-di-n-propylamine
Concen: 72.344 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 70 Resp: 391129
Ion Ratio Lower Upper
70 100
42 60.7 49.3 73.9
101 9.7 7.8 11.8
130 21.5 16.6 25.0





#20

3+4-Methylphenols

Concen: 71.028 ng

RT: 7.340 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143484.D

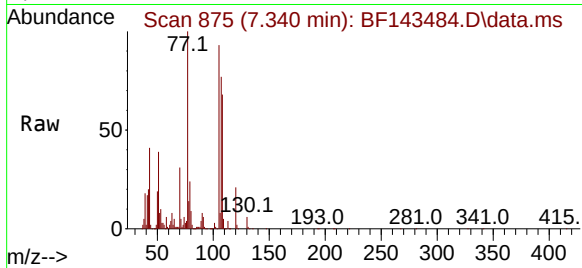
Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:107 Resp: 538601

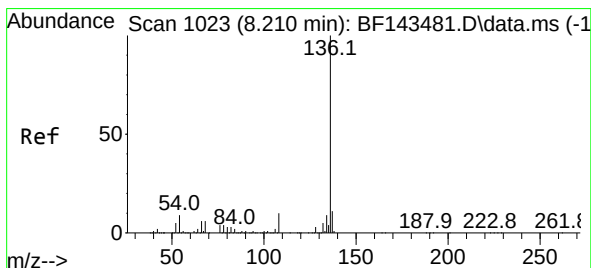
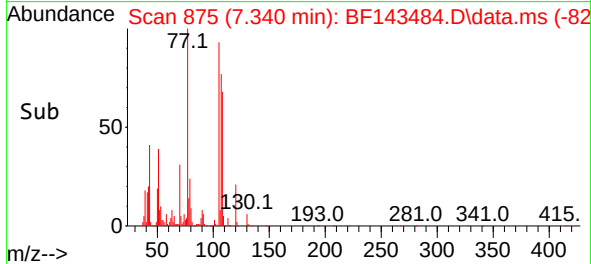
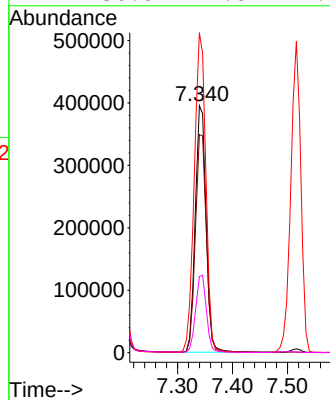
Ion Ratio Lower Upper

107 100

108 88.3 68.4 108.4

77 129.6 116.1 156.1

79 30.8 9.8 49.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion:136 Resp: 471095

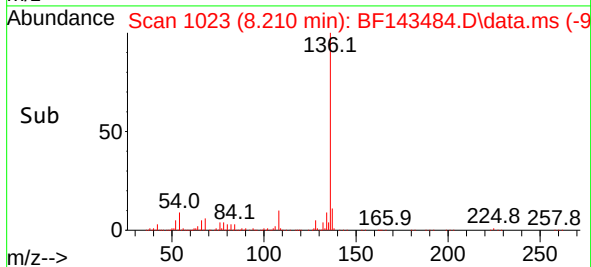
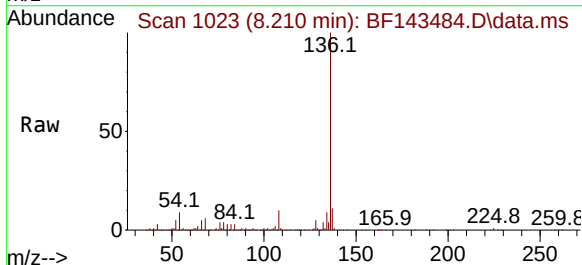
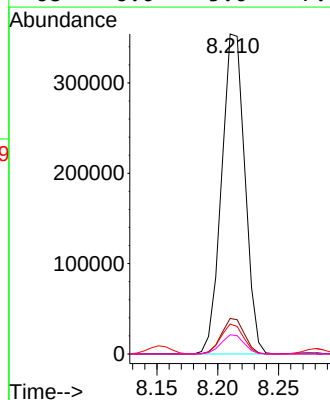
Ion Ratio Lower Upper

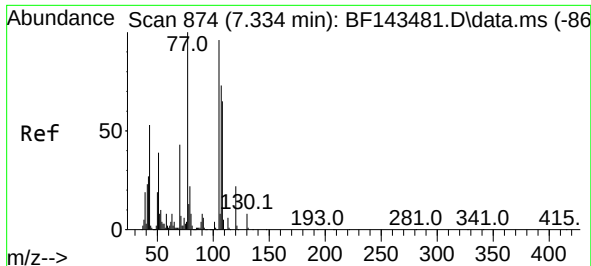
136 100

137 11.1 9.0 13.4

54 9.4 7.4 11.2

68 6.0 5.0 7.4

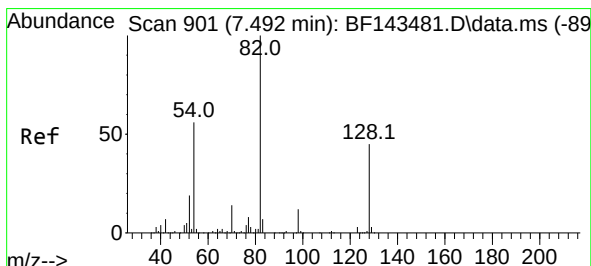
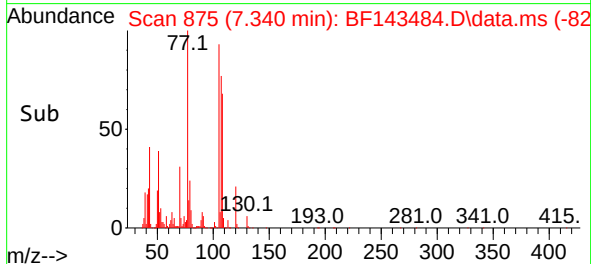
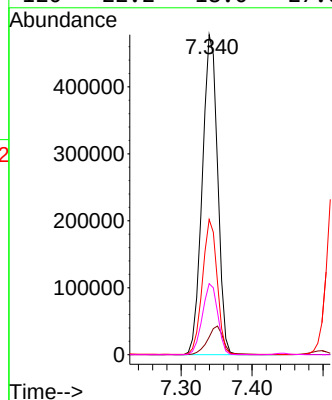
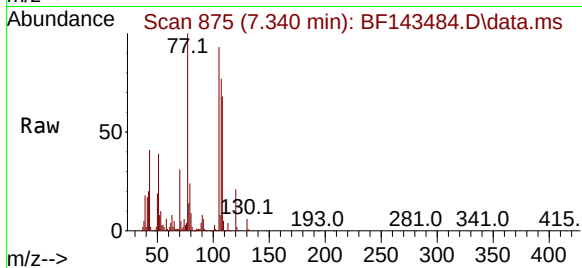




#22
Acetophenone
Concen: 70.797 ng
RT: 7.340 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

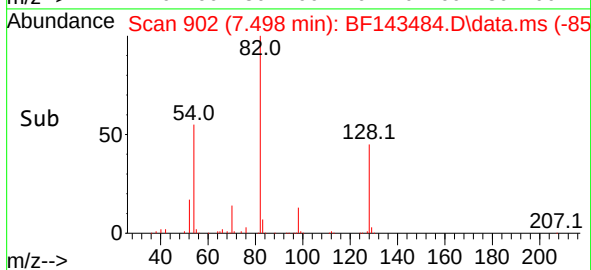
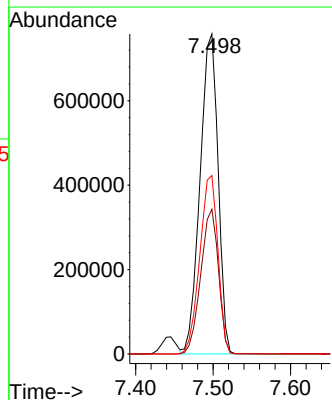
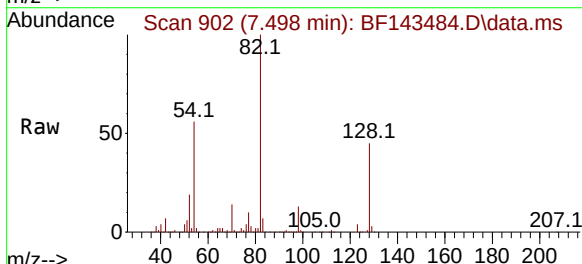
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

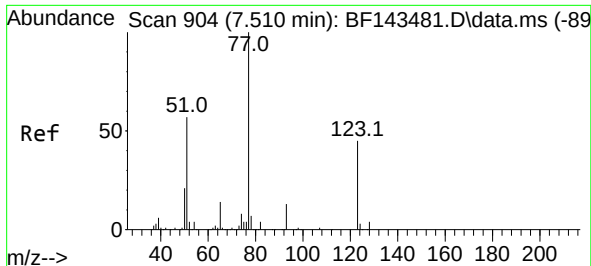
Tgt Ion:105 Resp: 720554
Ion Ratio Lower Upper
105 100
71 5.5 5.9 8.9#
51 42.2 32.5 48.7
120 22.2 18.0 27.0



#23
Nitrobenzene-d5
Concen: 151.649 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 82 Resp: 1224256
Ion Ratio Lower Upper
82 100
128 45.2 35.5 53.3
54 55.7 44.3 66.5

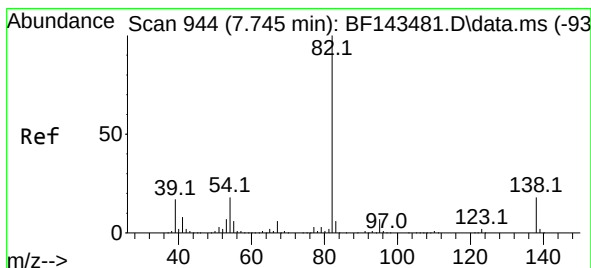
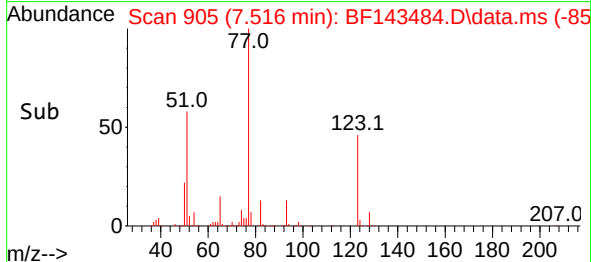
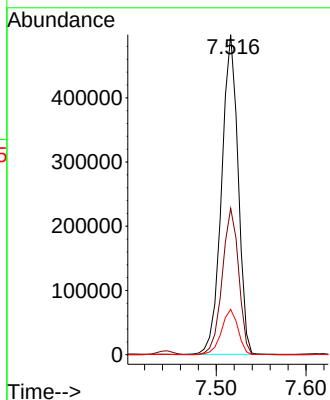
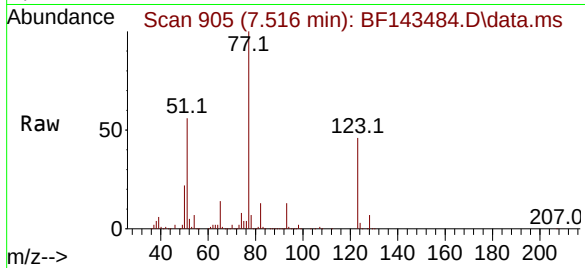




#24
Nitrobenzene
Concen: 76.350 ng
RT: 7.516 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

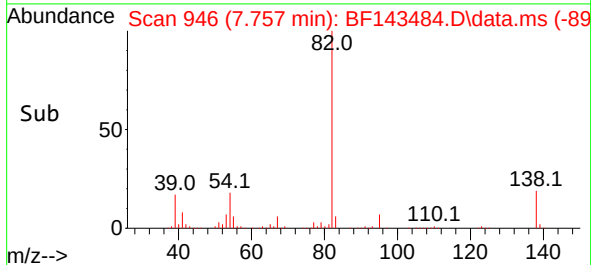
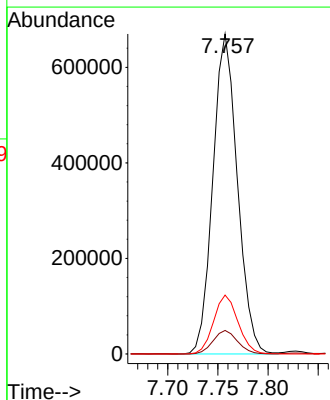
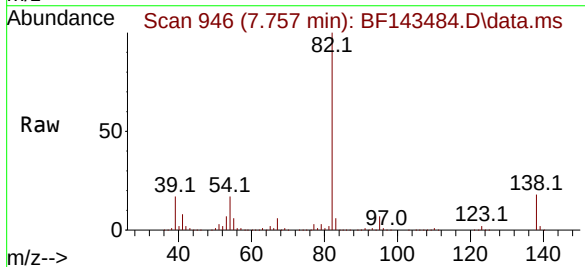
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

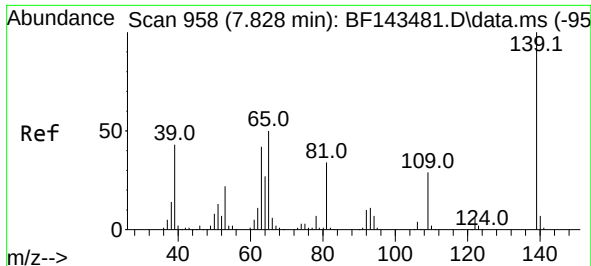
Tgt Ion: 77 Resp: 634384
Ion Ratio Lower Upper
77 100
123 45.8 36.1 54.1
65 14.2 11.0 16.6



#25
Isophorone
Concen: 76.802 ng
RT: 7.757 min Scan# 946
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 82 Resp: 1136551
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 18.4 14.2 21.4





#26

2-Nitrophenol

Concen: 80.143 ng

RT: 7.828 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

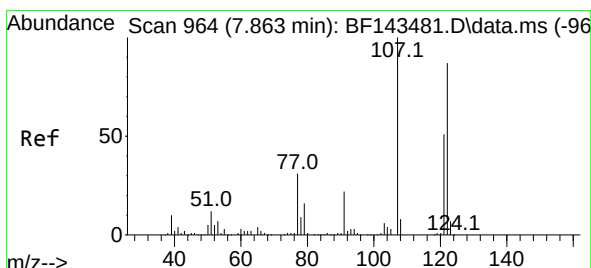
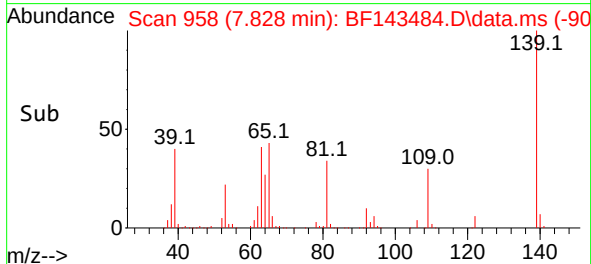
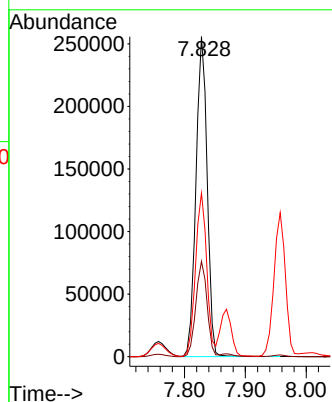
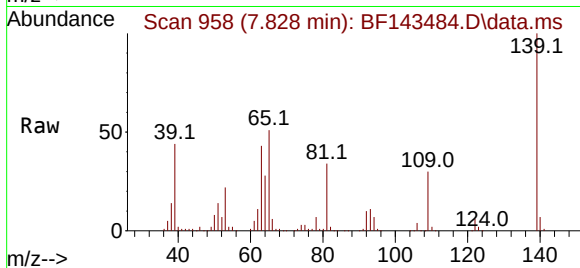
Tgt Ion:139 Resp: 326185

Ion Ratio Lower Upper

139 100

109 29.8 23.0 34.6

65 51.1 40.3 60.5



#27

2,4-Dimethylphenol

Concen: 74.687 ng

RT: 7.869 min Scan# 965

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

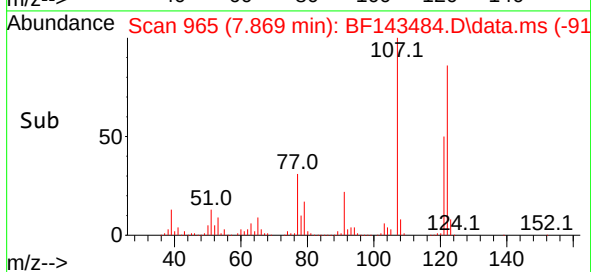
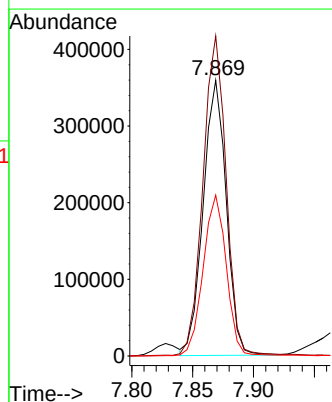
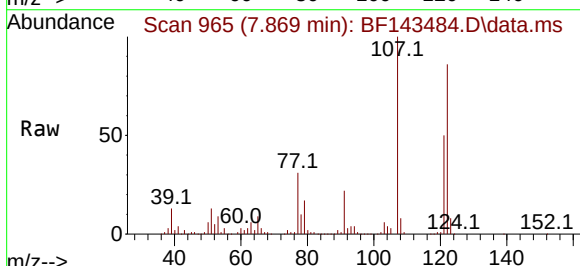
Tgt Ion:122 Resp: 473860

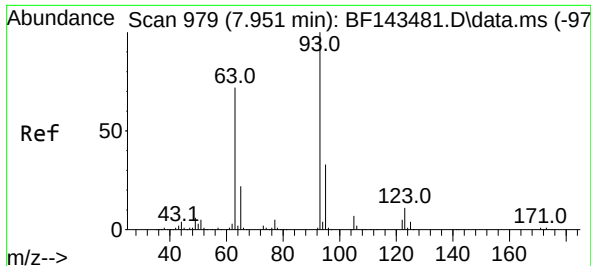
Ion Ratio Lower Upper

122 100

107 116.1 91.5 137.3

121 58.3 47.0 70.4

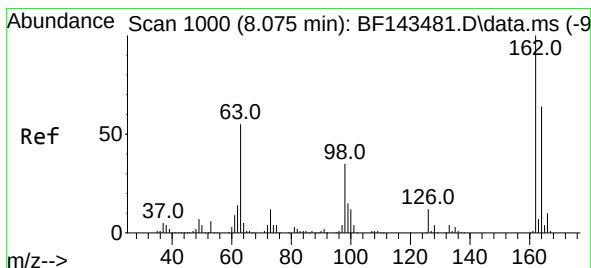
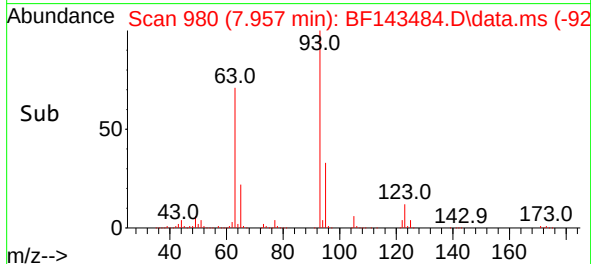
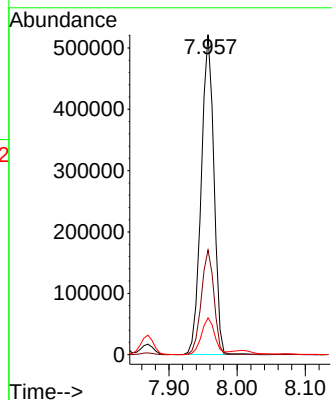
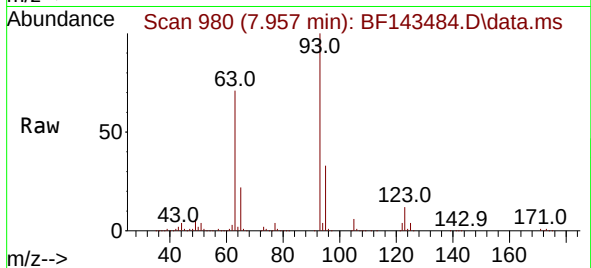




#28
bis(2-Chloroethoxy)methane
Concen: 74.061 ng
RT: 7.957 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

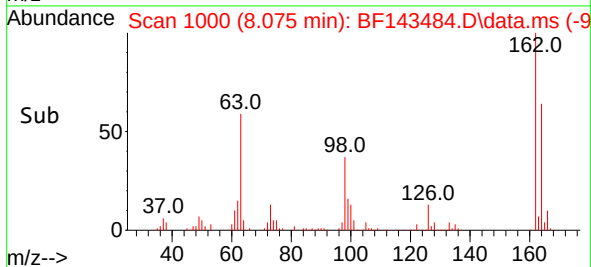
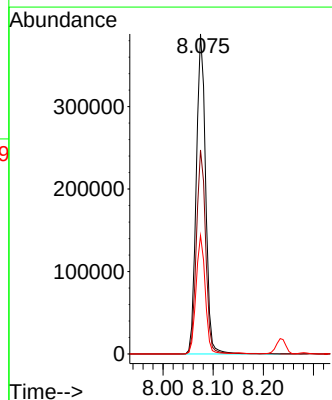
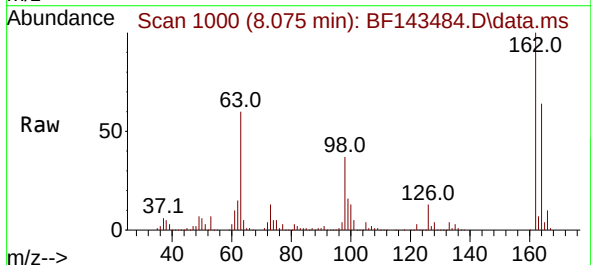
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

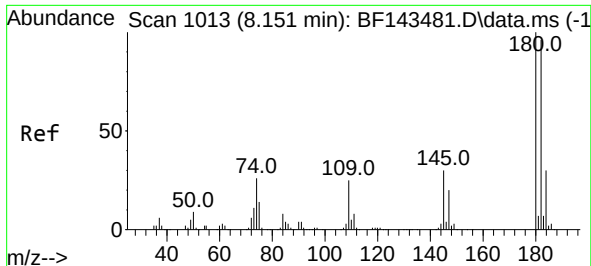
Tgt Ion: 93 Resp: 673547
Ion Ratio Lower Upper
93 100
95 32.7 26.0 39.0
123 11.5 9.1 13.7



#29
2,4-Dichlorophenol
Concen: 73.984 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 162 Resp: 501321
Ion Ratio Lower Upper
162 100
164 63.7 43.5 83.5
98 37.0 15.1 55.1





#30

1,2,4-Trichlorobenzene

Concen: 74.002 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

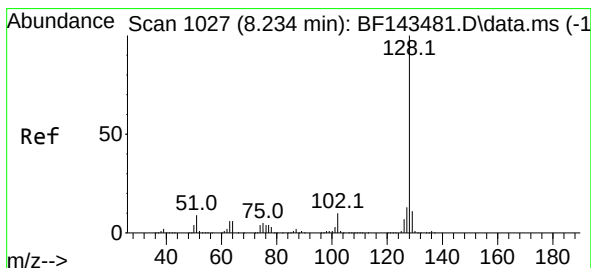
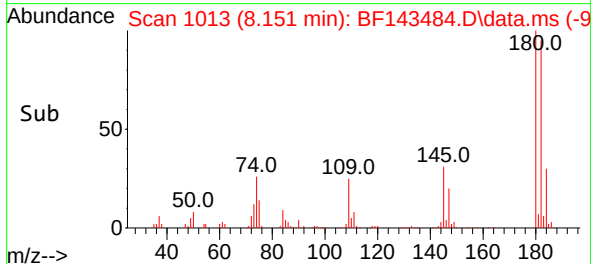
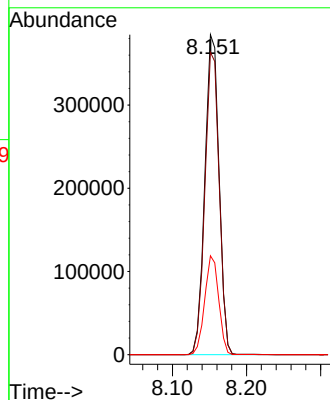
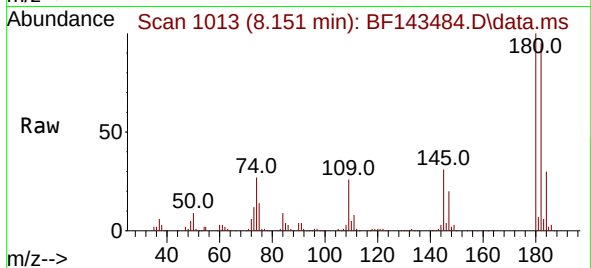
Tgt Ion:180 Resp: 515561

Ion Ratio Lower Upper

180 100

182 94.5 76.6 114.8

145 30.9 24.3 36.5



#31

Naphthalene

Concen: 71.600 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

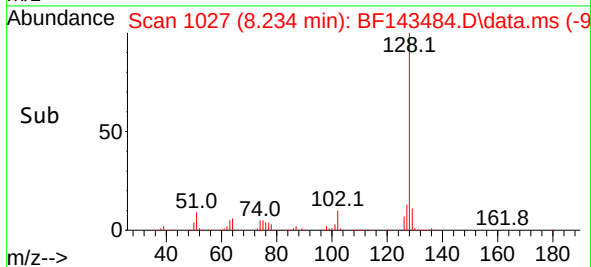
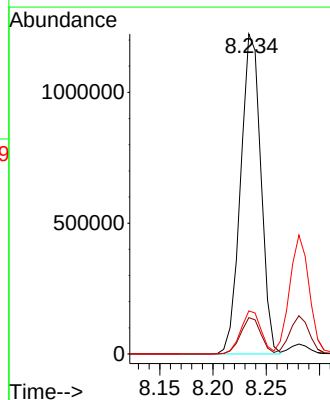
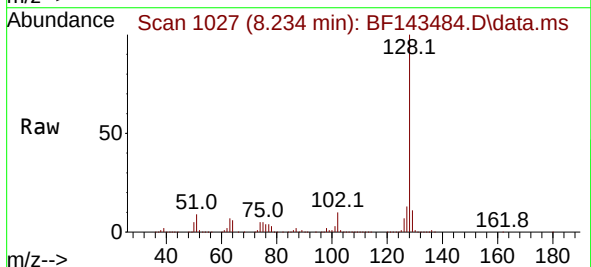
Tgt Ion:128 Resp: 1619392

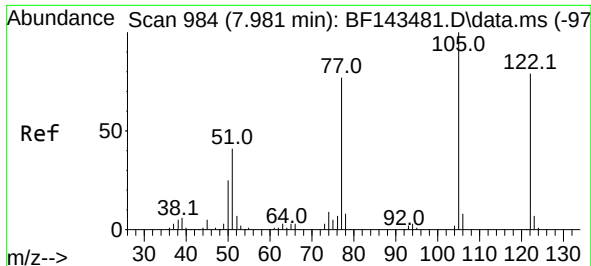
Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.4 10.6 16.0

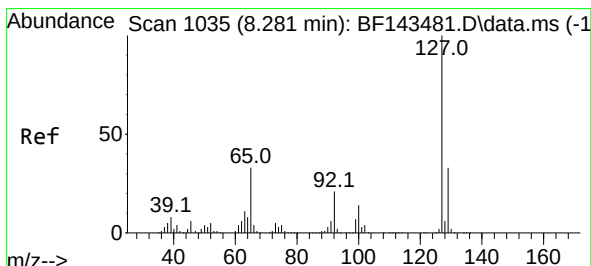
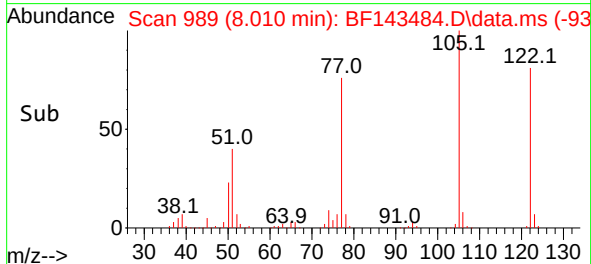
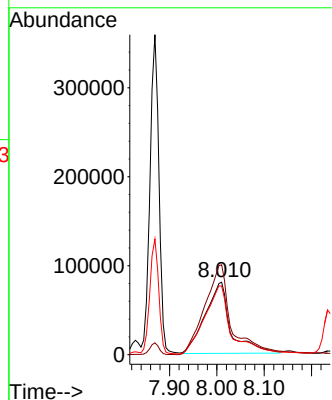
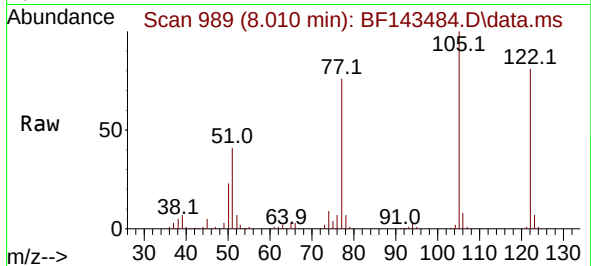




#32
Benzoic acid
Concen: 79.400 ng
RT: 8.010 min Scan# 984
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

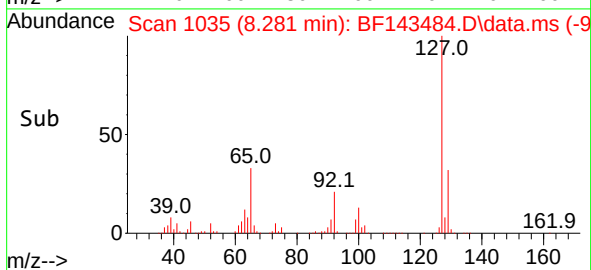
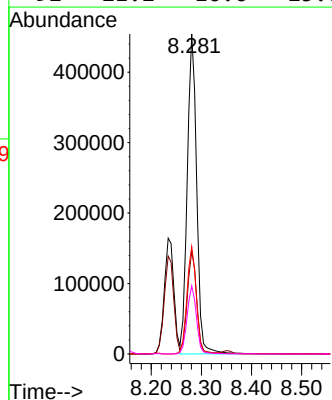
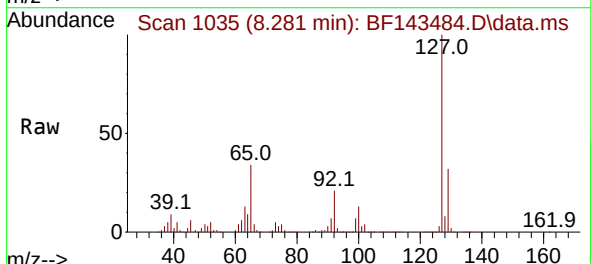
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

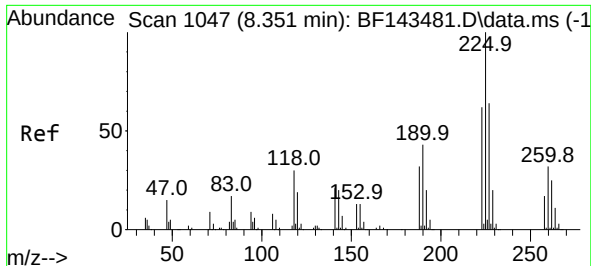
Tgt Ion:122 Resp: 302185
Ion Ratio Lower Upper
122 100
105 124.1 104.7 144.7
77 94.8 77.3 117.3



#33
4-Chloroaniline
Concen: 73.979 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:127 Resp: 593863
Ion Ratio Lower Upper
127 100
129 32.1 26.1 39.1
65 33.6 26.2 39.2
92 21.2 16.6 25.0

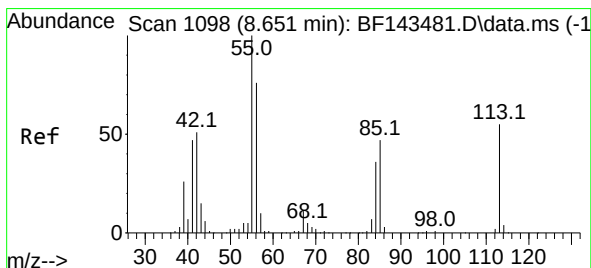
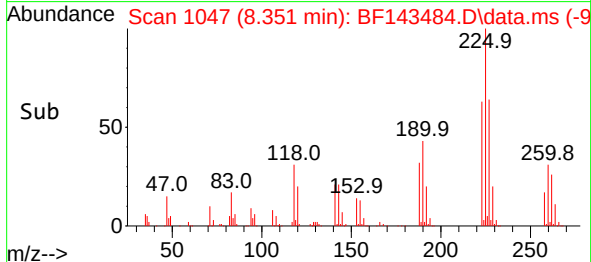
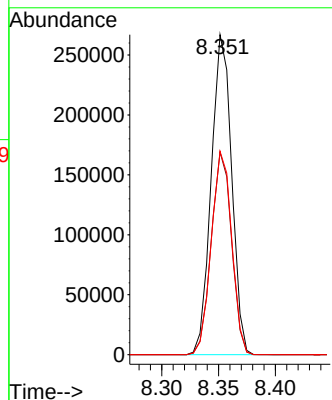
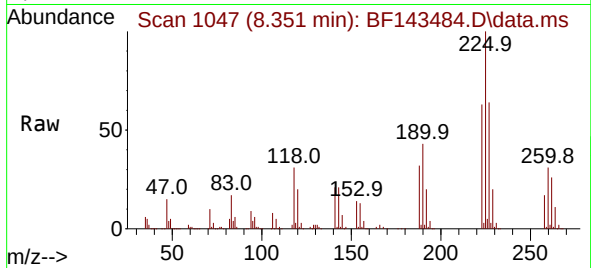




#34
Hexachlorobutadiene
Concen: 73.429 ng
RT: 8.351 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

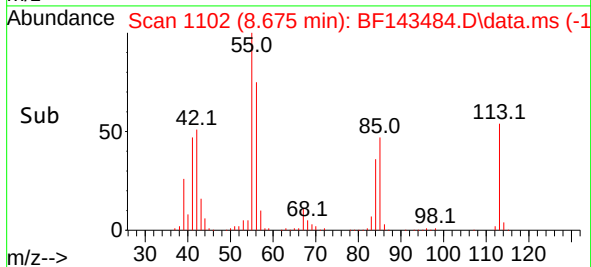
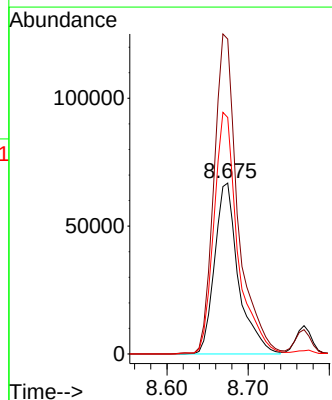
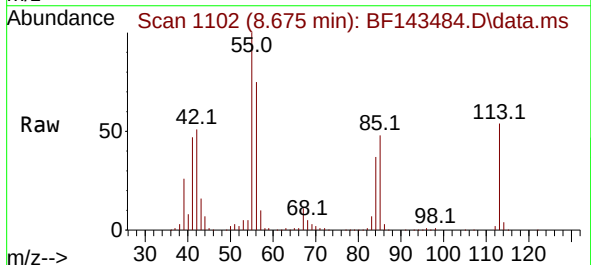
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

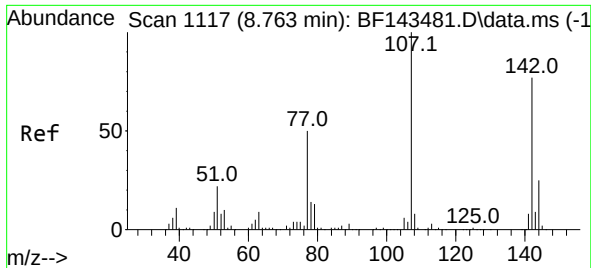
Tgt Ion:225 Resp: 333754
Ion Ratio Lower Upper
225 100
223 63.3 49.9 74.9
227 63.6 50.9 76.3



#35
Caprolactam
Concen: 83.868 ng
RT: 8.675 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:113 Resp: 136369
Ion Ratio Lower Upper
113 100
55 184.3 162.8 202.8
56 138.5 118.1 158.1

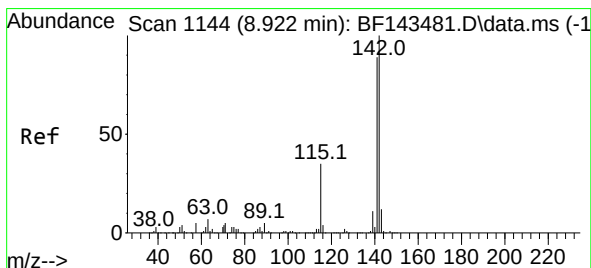
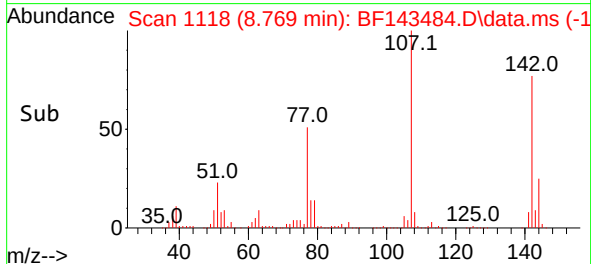
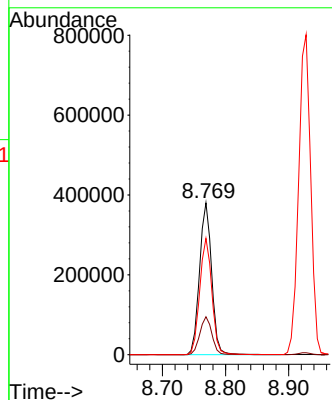
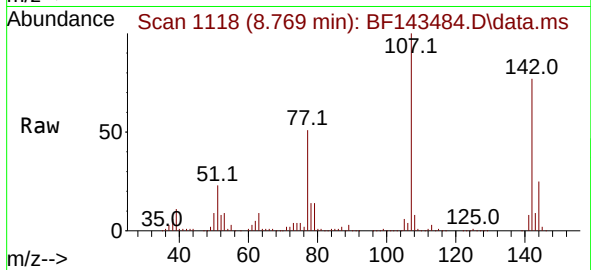




#36
4-Chloro-3-methylphenol
Concen: 74.756 ng
RT: 8.769 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

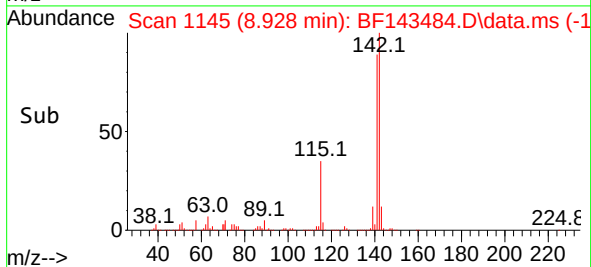
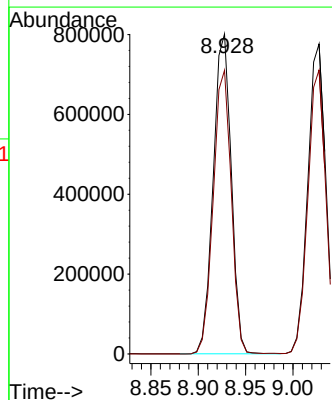
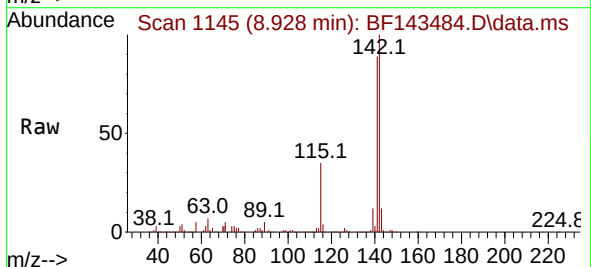
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

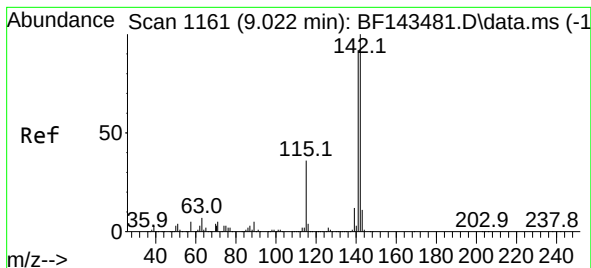
Tgt Ion:107 Resp: 507643
Ion Ratio Lower Upper
107 100
144 25.0 19.9 29.9
142 76.6 61.8 92.8



#37
2-Methylnaphthalene
Concen: 70.116 ng
RT: 8.928 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:142 Resp: 1059150
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.4





#38

1-Methylnaphthalene

Concen: 70.472 ng

RT: 9.028 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

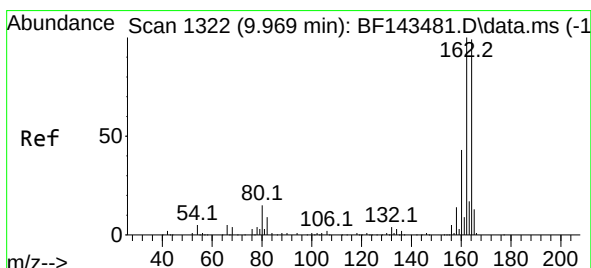
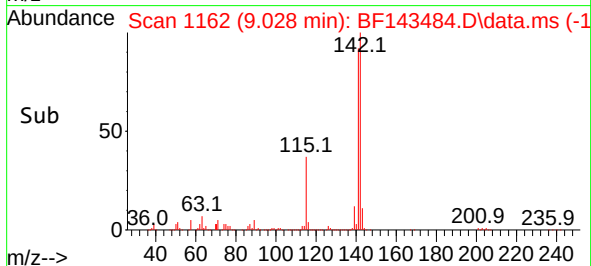
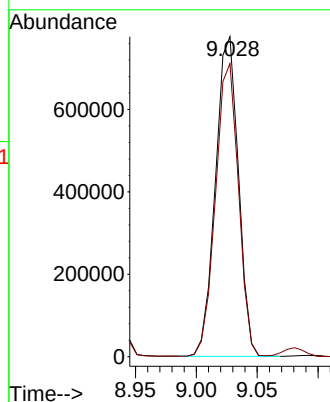
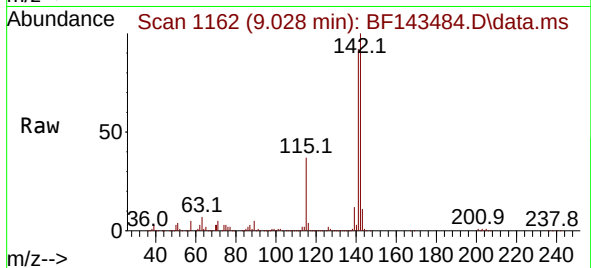
SSTDICC080

Tgt Ion:142 Resp: 1018285

Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

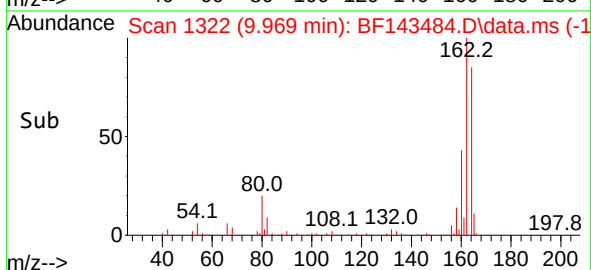
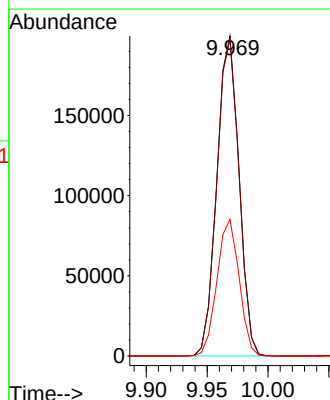
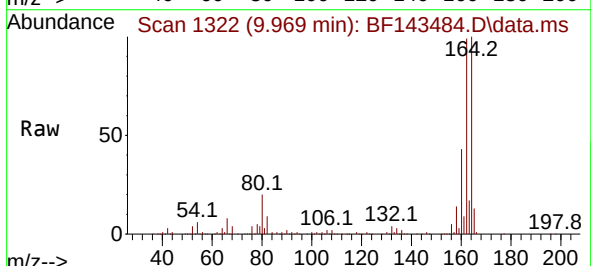
Tgt Ion:164 Resp: 252899

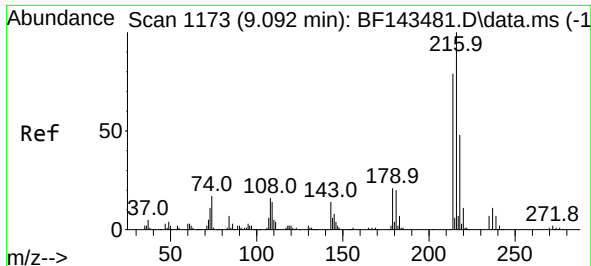
Ion Ratio Lower Upper

164 100

162 99.1 80.5 120.7

160 42.7 34.3 51.5

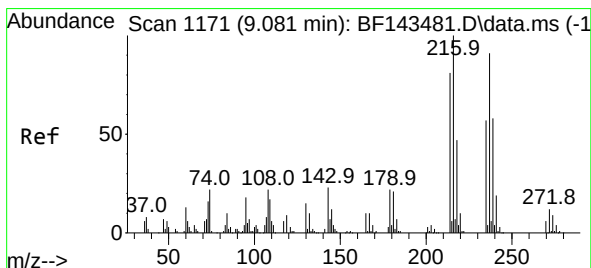
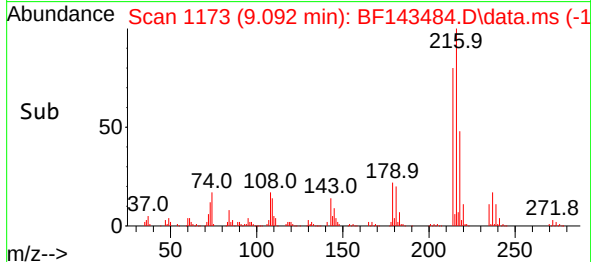
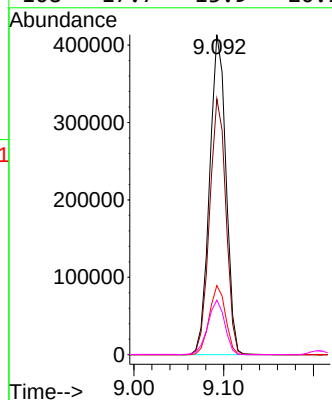
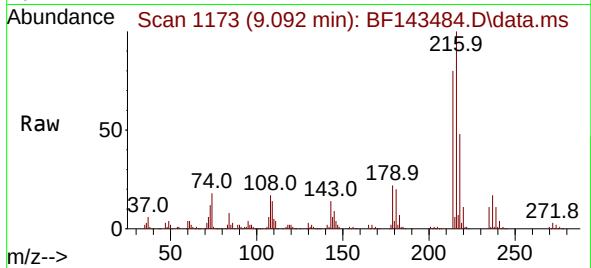




#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.341 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

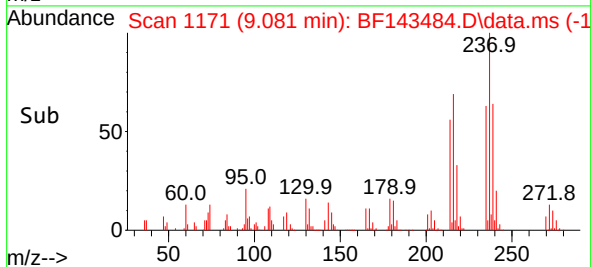
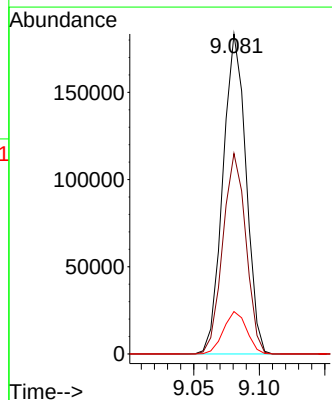
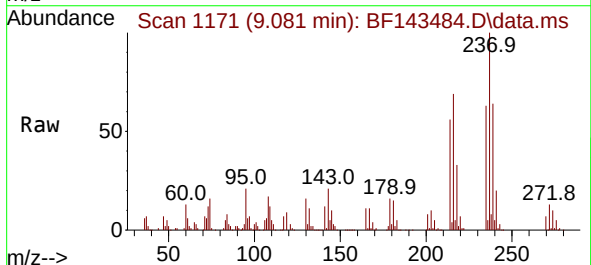
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

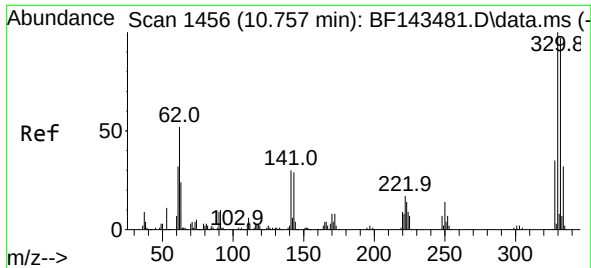
Tgt Ion:	216	Resp:	523305
Ion Ratio	Lower	Upper	
216	100		
214	80.0	63.4	95.0
179	21.4	16.5	24.7
108	17.7	13.9	20.9



#41
Hexachlorocyclopentadiene
Concen: 79.823 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:	237	Resp:	224318
Ion Ratio	Lower	Upper	
237	100		
235	62.6	42.6	82.6
272	13.3	0.0	33.4

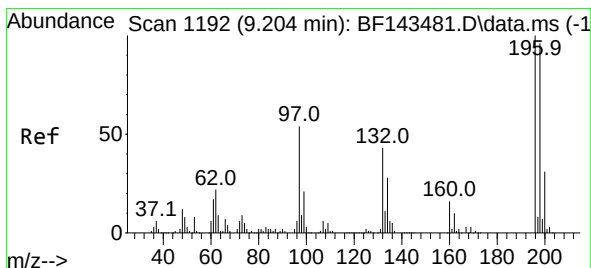
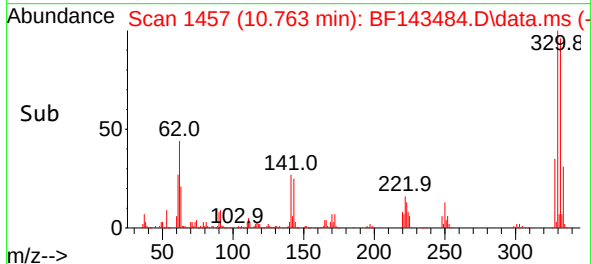
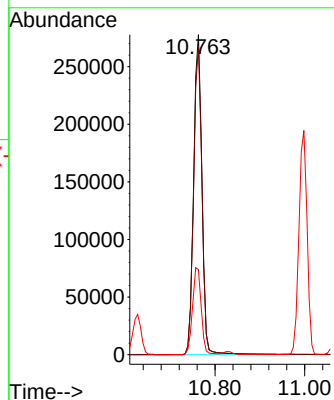
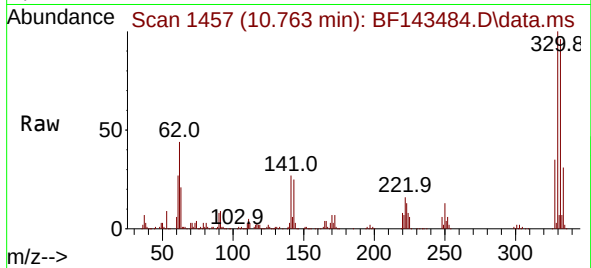




#42
2,4,6-Tribromophenol
Concen: 152.274 ng
RT: 10.763 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

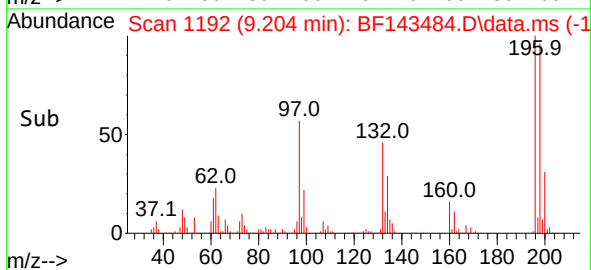
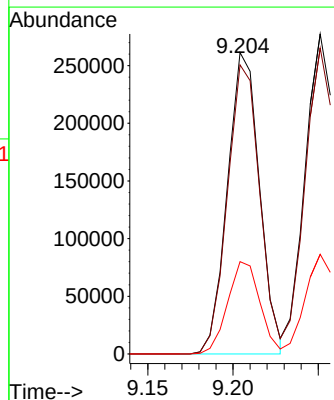
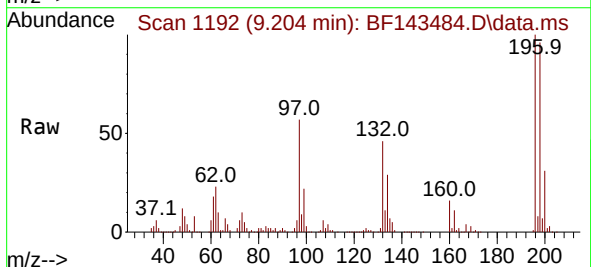
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

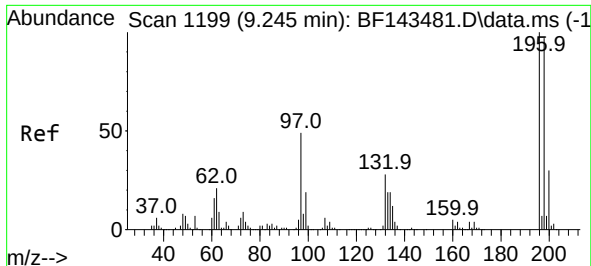
Tgt Ion: 330 Resp: 358471
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 28.6 23.7 35.5



#43
2,4,6-Trichlorophenol
Concen: 76.993 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

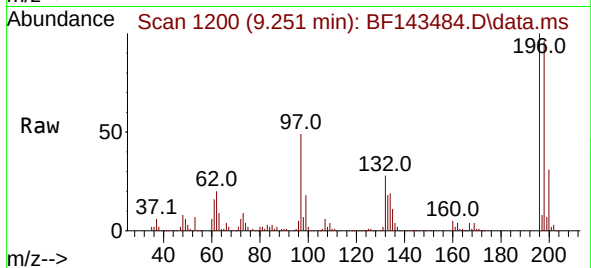
Tgt Ion: 196 Resp: 342710
Ion Ratio Lower Upper
196 100
198 95.9 77.0 115.4
200 30.6 24.6 37.0



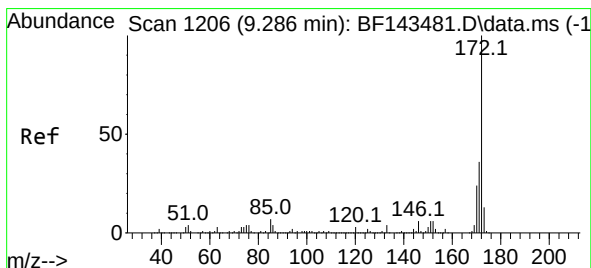
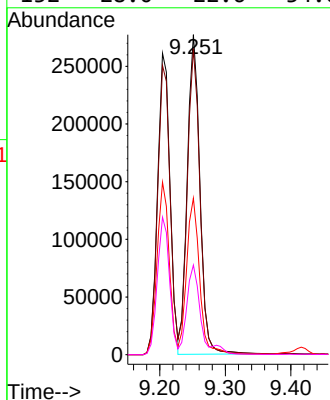
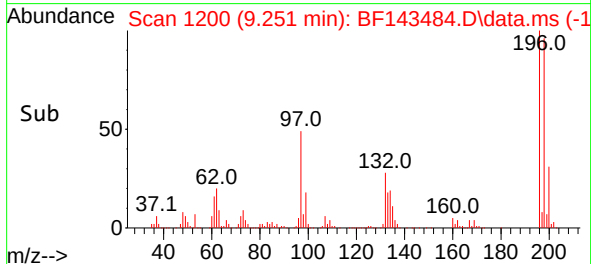


#44
2,4,5-Trichlorophenol
Concen: 75.999 ng
RT: 9.251 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

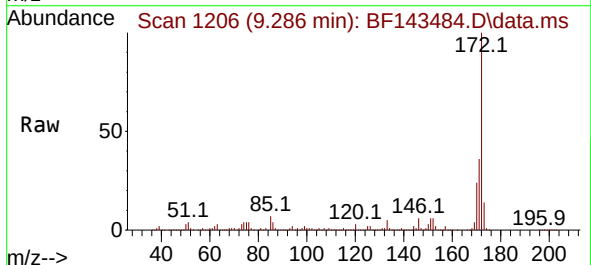
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



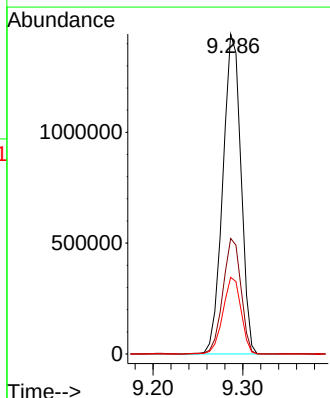
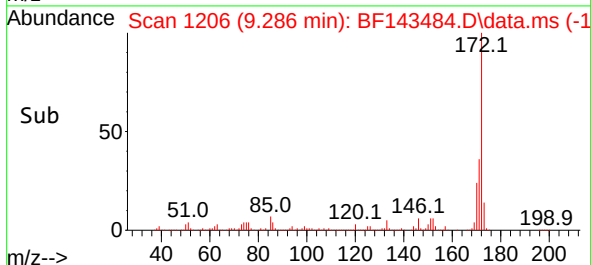
Tgt Ion:196 Resp: 369517
Ion Ratio Lower Upper
196 100
198 95.6 77.3 115.9
97 48.9 40.0 60.0
132 28.0 22.6 34.0

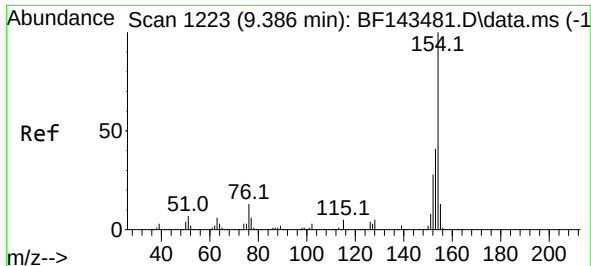


#45
2-Fluorobiphenyl
Concen: 132.140 ng
RT: 9.286 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20



Tgt Ion:172 Resp: 2022059
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.0 18.8 28.2

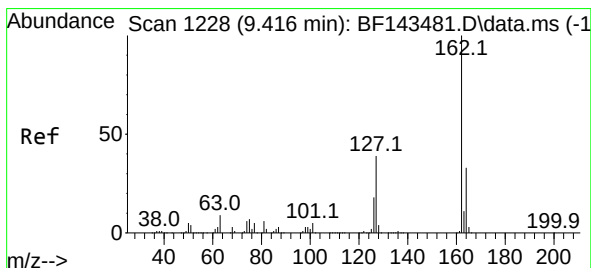
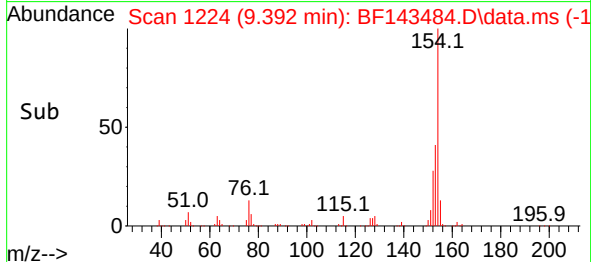
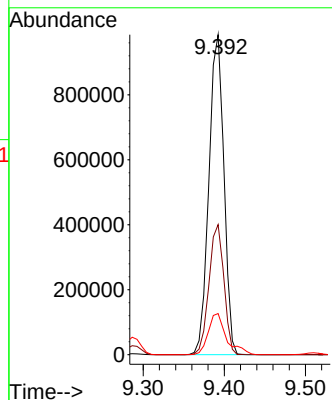
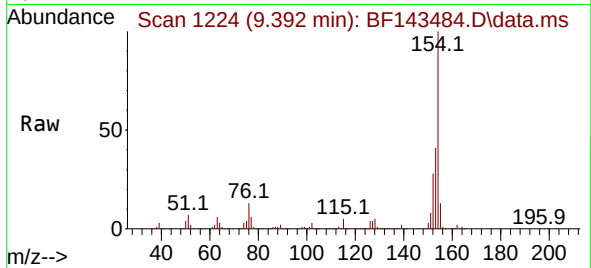




#46
1,1'-Biphenyl
Concen: 70.278 ng
RT: 9.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

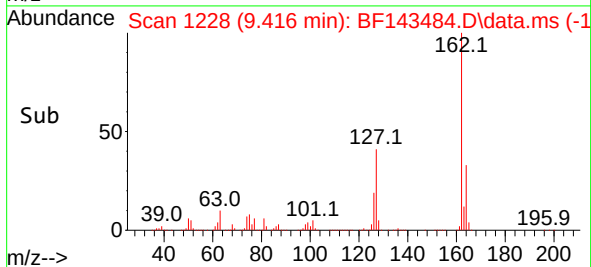
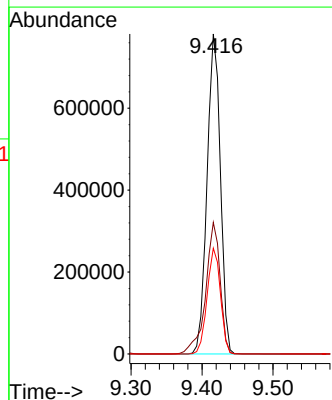
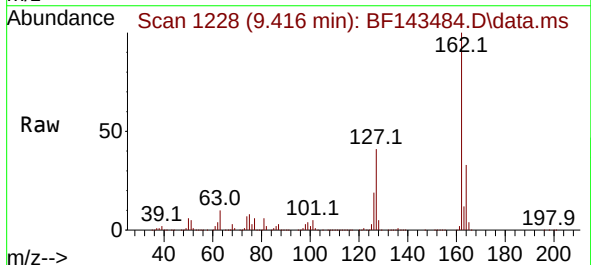
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

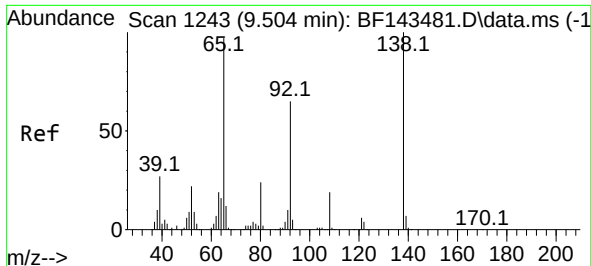
Tgt Ion:154 Resp: 1261514
Ion Ratio Lower Upper
154 100
153 40.7 20.6 60.6
76 12.8 0.0 33.0



#47
2-Chloronaphthalene
Concen: 72.427 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:162 Resp: 1020070
Ion Ratio Lower Upper
162 100
127 41.1 31.8 47.6
164 33.1 26.4 39.6

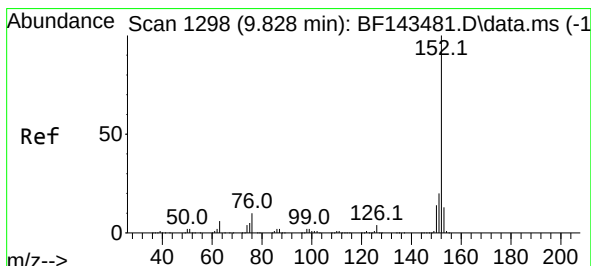
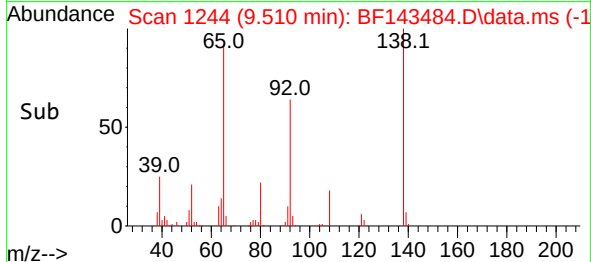
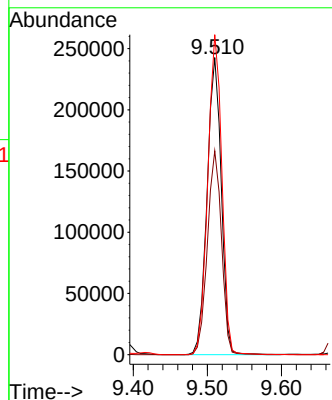
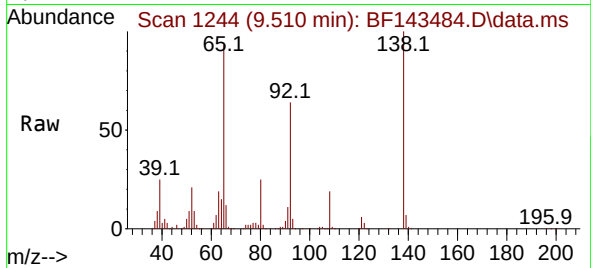




#48
2-Nitroaniline
Concen: 78.529 ng
RT: 9.510 min Scan# 1244
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

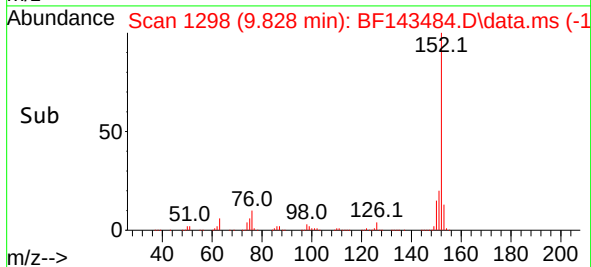
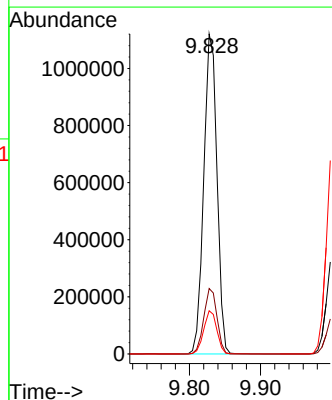
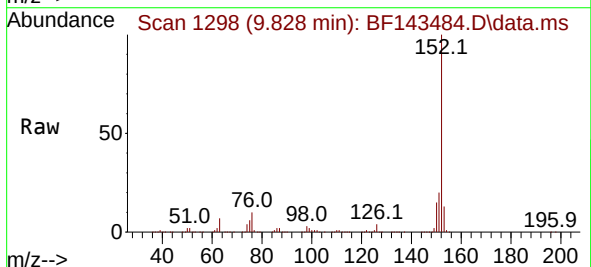
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

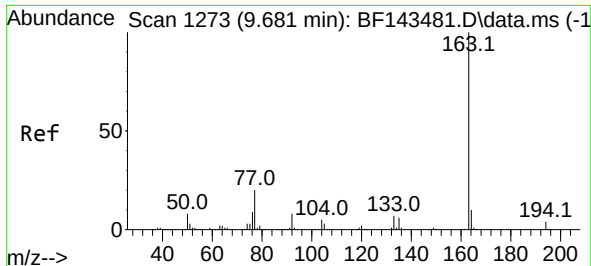
Tgt Ion: 65 Resp: 323688
Ion Ratio Lower Upper
65 100
92 68.6 53.8 80.6
138 107.7 82.4 123.6



#49
Acenaphthylene
Concen: 72.067 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 152 Resp: 1453334
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4
153 13.5 10.6 15.8

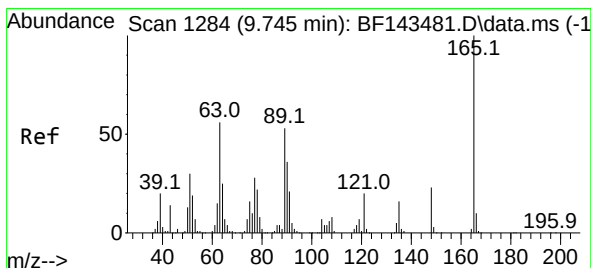
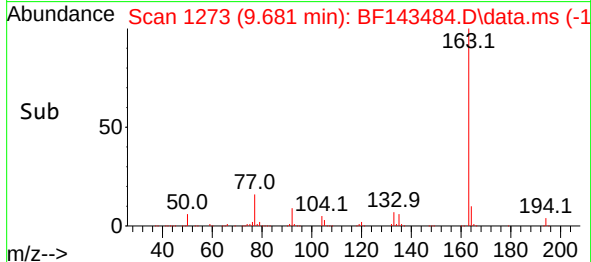
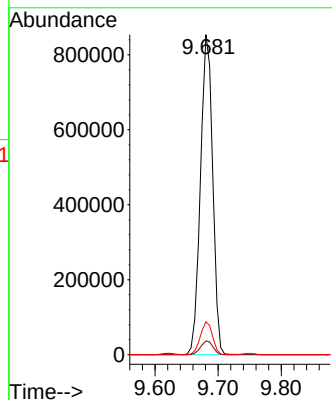
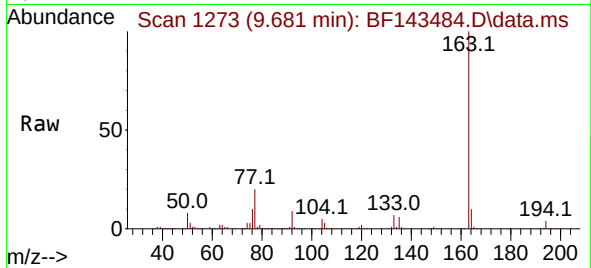




#50
Dimethylphthalate
Concen: 75.267 ng
RT: 9.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

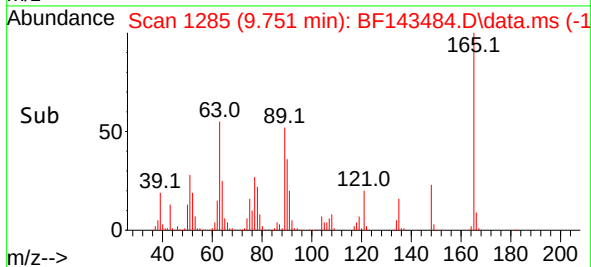
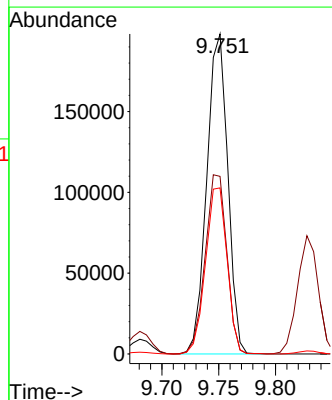
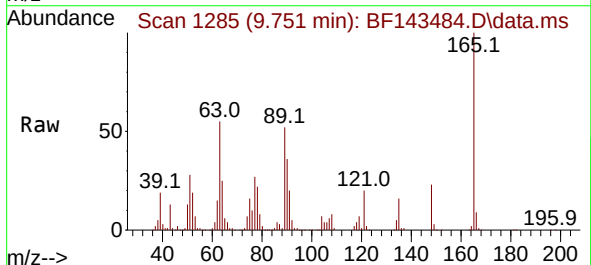
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

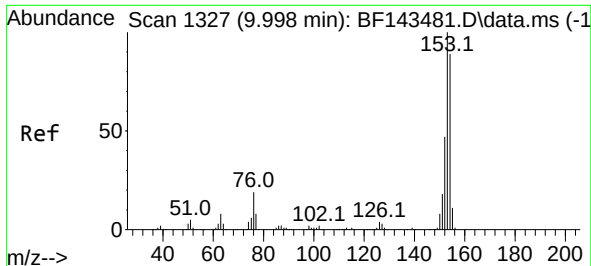
Tgt Ion:163 Resp: 1146434
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.3 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 80.559 ng
RT: 9.751 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:165 Resp: 254308
Ion Ratio Lower Upper
165 100
63 55.5 45.0 67.6
89 51.9 42.5 63.7

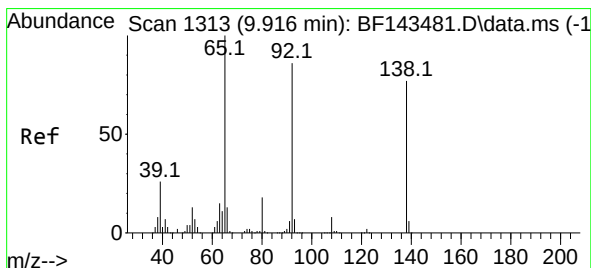
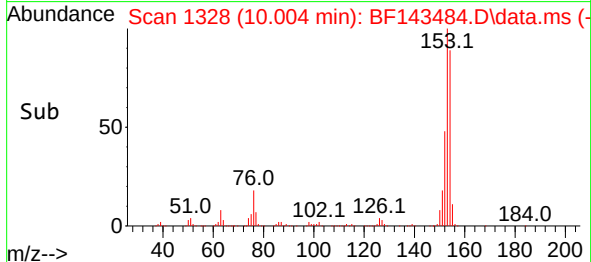
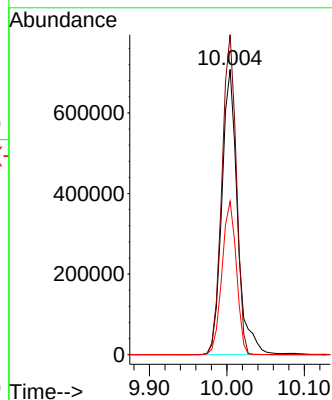
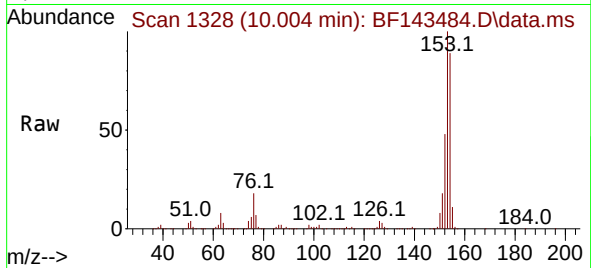




#52
Acenaphthene
Concen: 72.761 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

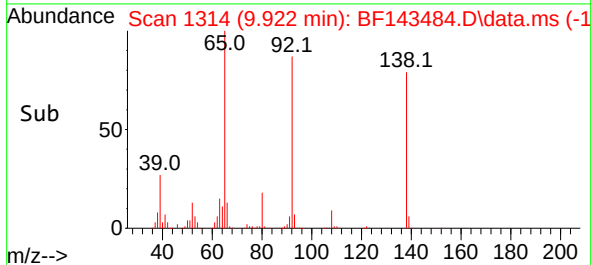
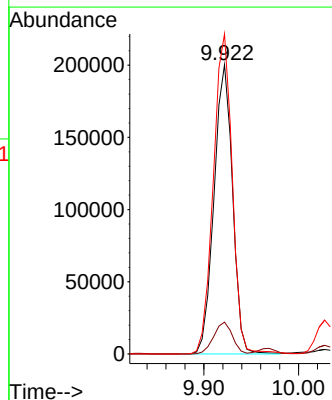
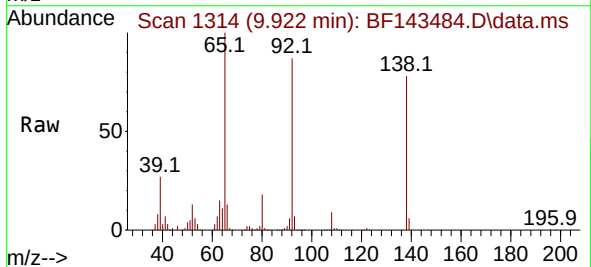
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

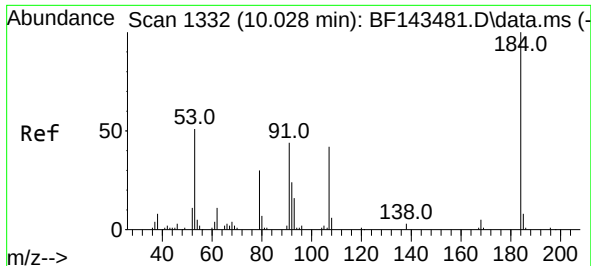
Tgt Ion:154 Resp: 996259
Ion Ratio Lower Upper
154 100
153 112.2 89.5 134.3
152 53.7 42.5 63.7



#53
3-Nitroaniline
Concen: 79.912 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:138 Resp: 272588
Ion Ratio Lower Upper
138 100
108 11.0 8.6 13.0
92 110.6 89.8 134.8

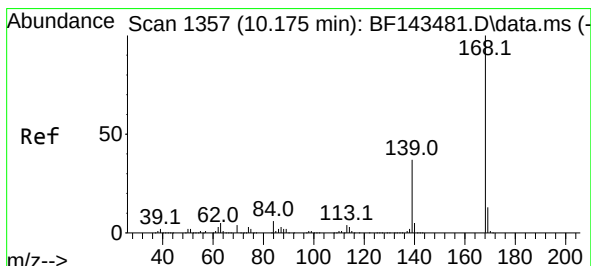
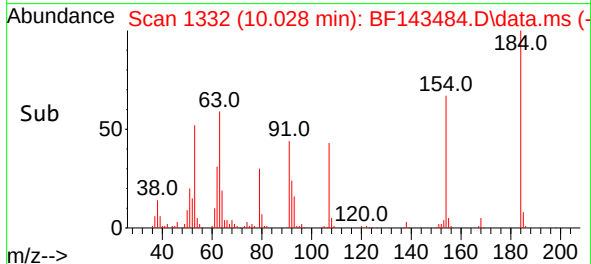
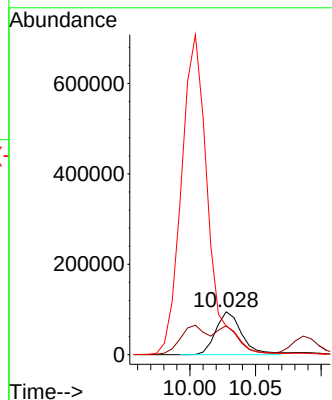
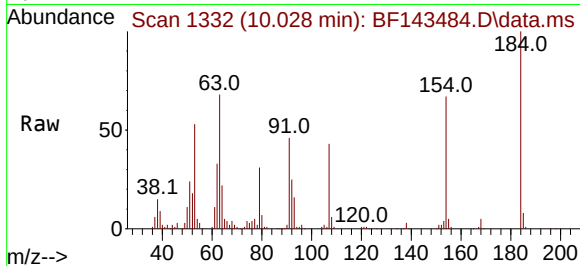




#54
2,4-Dinitrophenol
Concen: 77.416 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

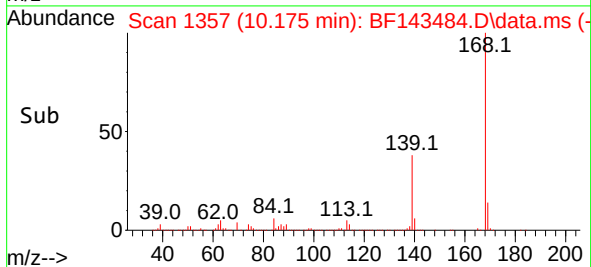
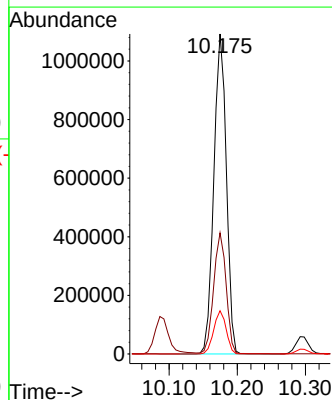
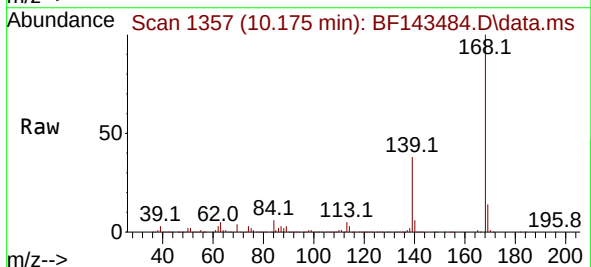
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

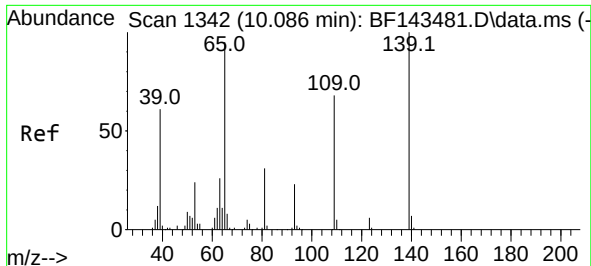
Tgt Ion:184 Resp: 130385
Ion Ratio Lower Upper
184 100
63 67.6 52.6 78.8
154 67.0 51.0 76.4



#55
Dibenzofuran
Concen: 71.547 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:168 Resp: 1396682
Ion Ratio Lower Upper
168 100
139 37.9 29.8 44.6
169 13.5 10.8 16.2

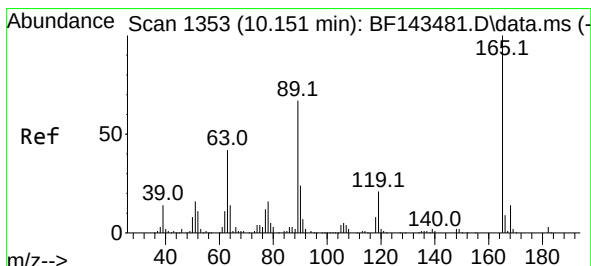
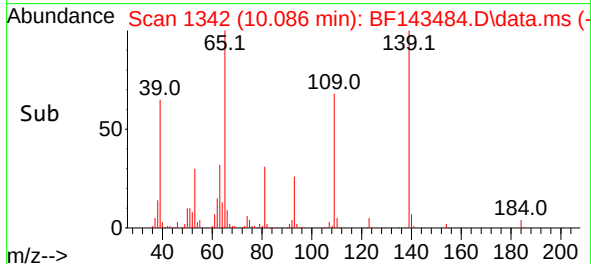
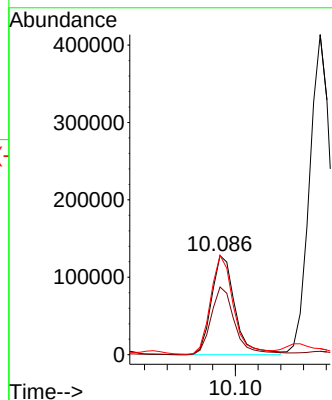
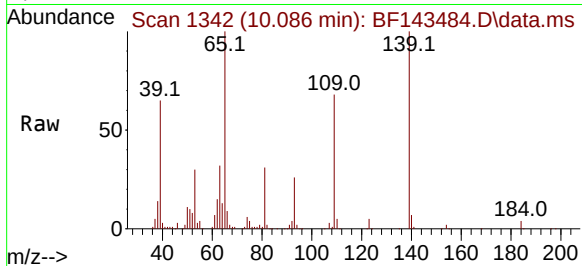




#56
4-Nitrophenol
Concen: 90.356 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

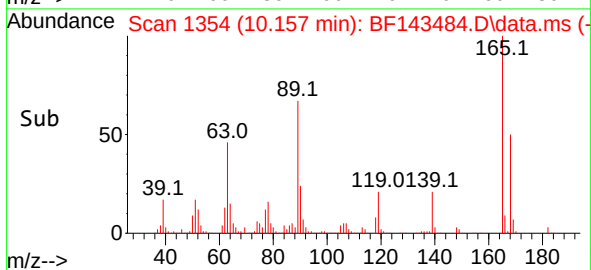
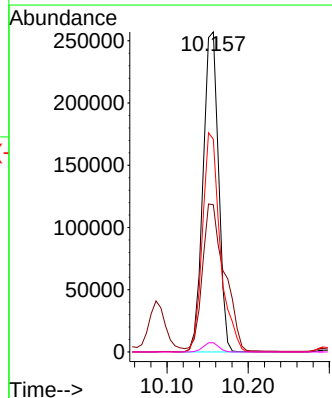
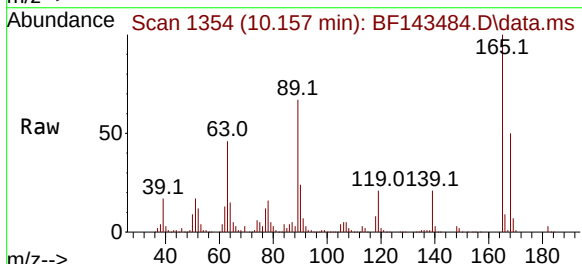
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

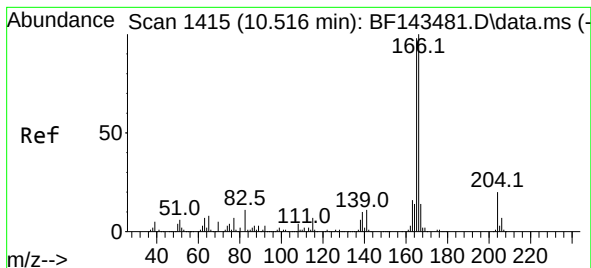
Tgt Ion:139 Resp: 183388
Ion Ratio Lower Upper
139 100
109 68.3 48.2 88.2
65 100.2 75.8 115.8



#57
2,4-Dinitrotoluene
Concen: 80.619 ng
RT: 10.157 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:165 Resp: 339818
Ion Ratio Lower Upper
165 100
63 46.0 34.9 52.3
89 66.5 53.3 79.9
182 2.9 2.3 3.5





#58

Fluorene

Concen: 68.995 ng

RT: 10.522 min Scan# 1415

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

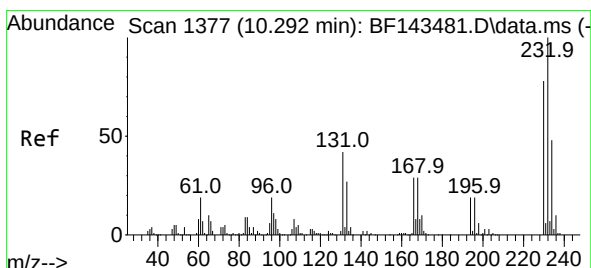
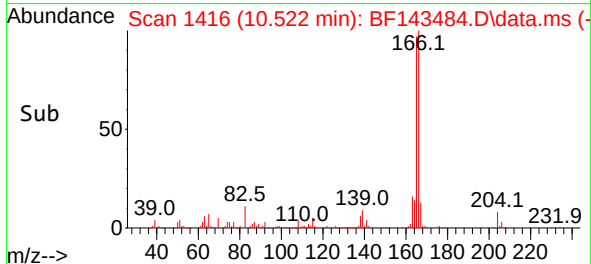
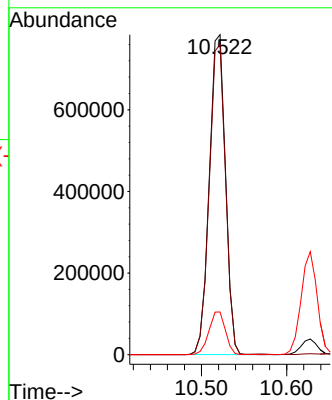
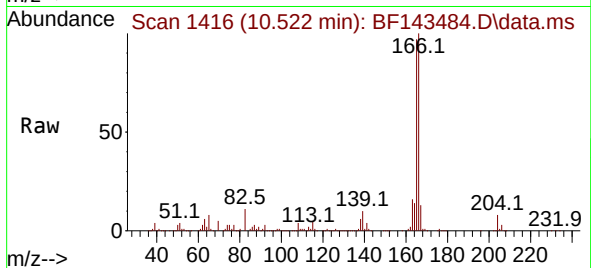
Tgt Ion:166 Resp: 1036620

Ion Ratio Lower Upper

166 100

165 96.9 78.3 117.5

167 13.3 11.0 16.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 80.607 ng

RT: 10.298 min Scan# 1378

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion:232 Resp: 291172

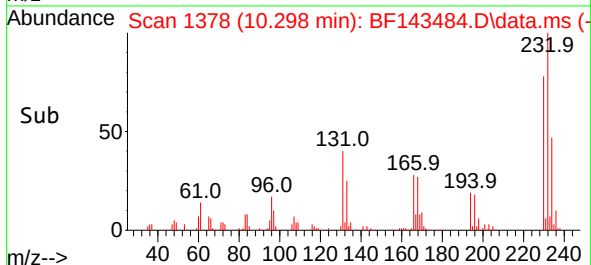
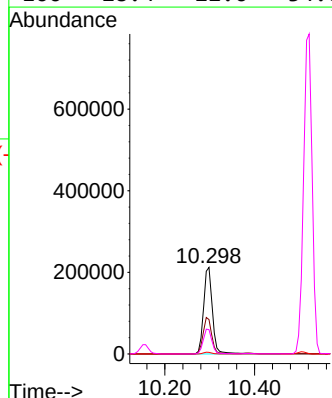
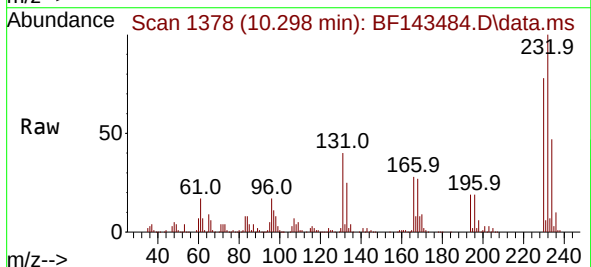
Ion Ratio Lower Upper

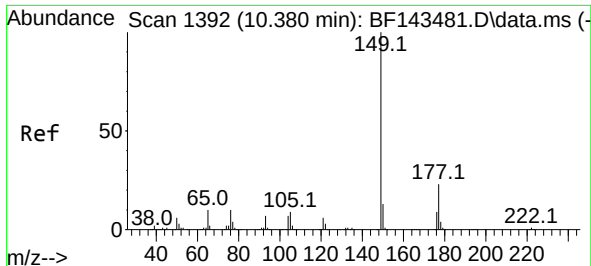
232 100

131 41.1 32.7 49.1

130 1.9 1.6 2.4

166 28.4 22.6 34.0

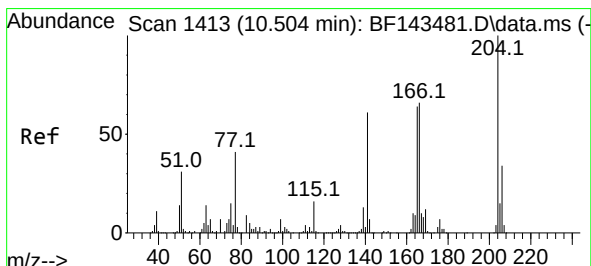
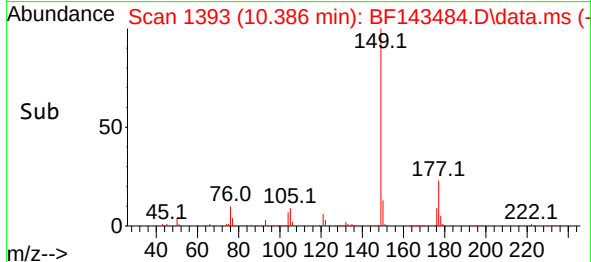
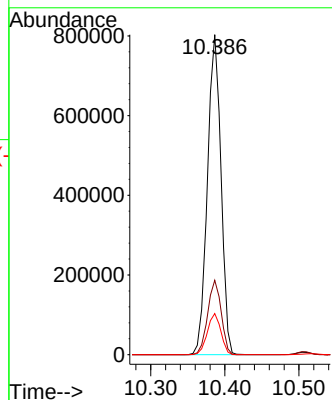
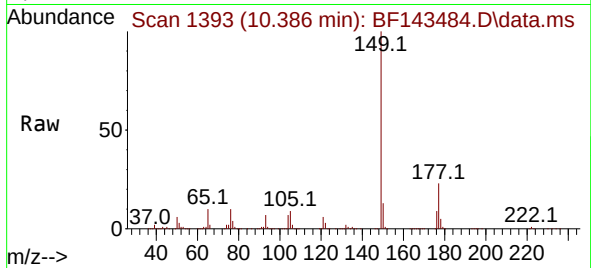




#60
Diethylphthalate
Concen: 74.653 ng
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

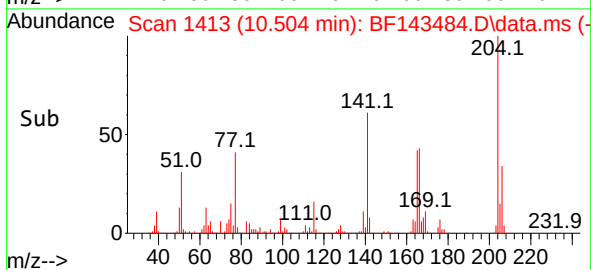
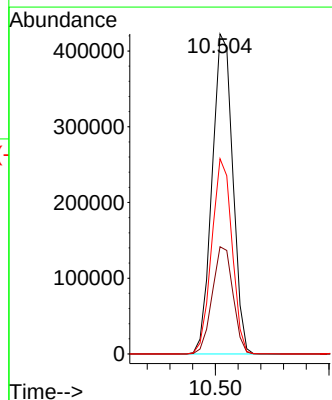
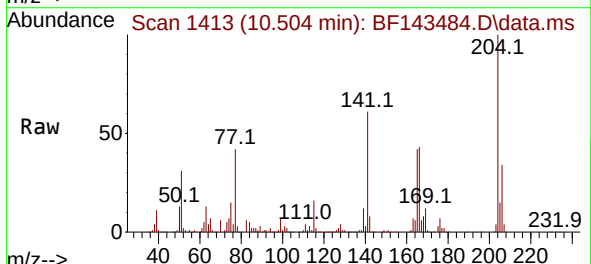
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

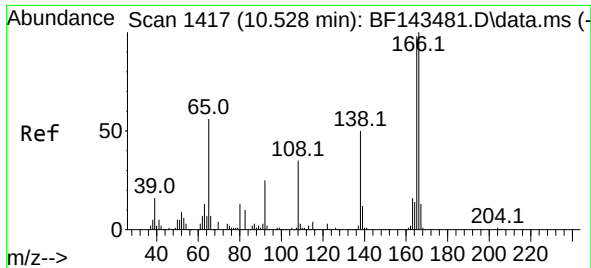
Tgt Ion:149 Resp: 1019464
Ion Ratio Lower Upper
149 100
177 23.2 18.3 27.5
150 12.9 10.3 15.5



#61
4-Chlorophenyl-phenylether
Concen: 70.930 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:204 Resp: 532970
Ion Ratio Lower Upper
204 100
206 33.5 27.0 40.4
141 61.0 48.7 73.1

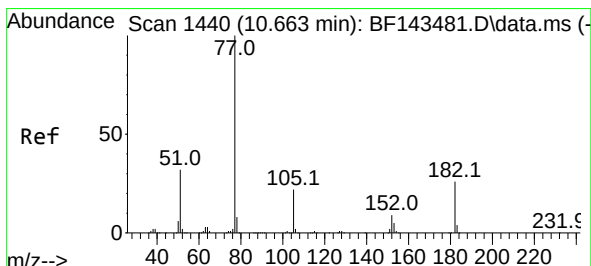
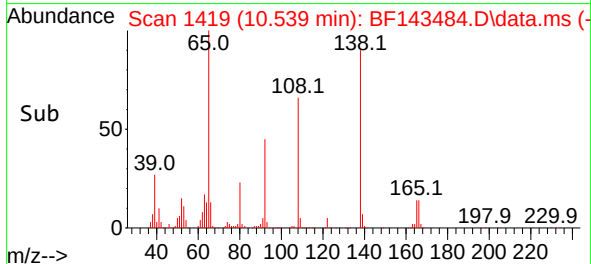
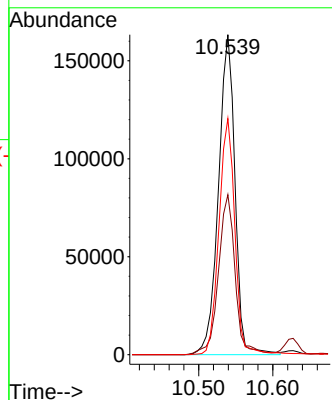
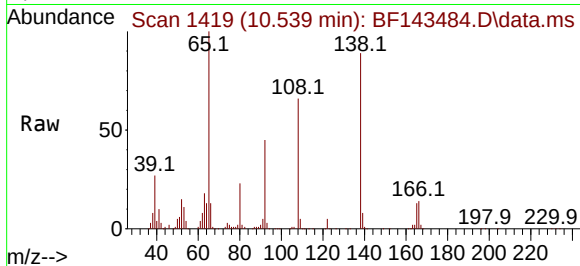




#62
4-Nitroaniline
Concen: 80.815 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

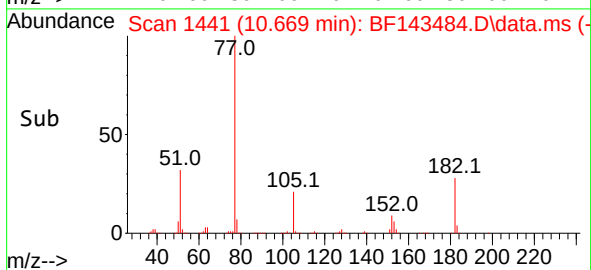
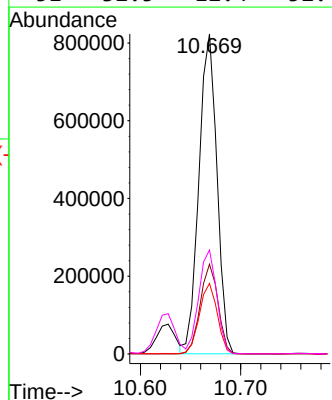
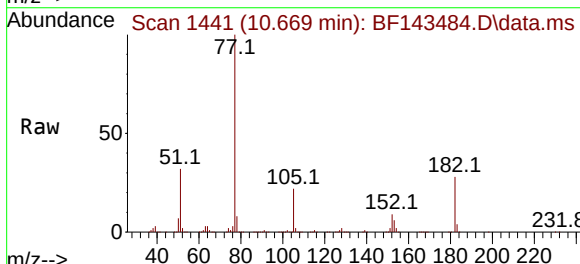
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

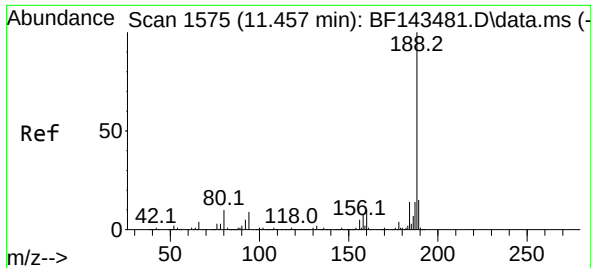
Tgt Ion:138 Resp: 253207
Ion Ratio Lower Upper
138 100
92 50.0 29.3 69.3
108 73.8 50.7 90.7



#63
Azobenzene
Concen: 72.699 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 77 Resp: 1029397
Ion Ratio Lower Upper
77 100
182 28.1 6.2 46.2
105 22.0 2.2 42.2
51 32.5 12.4 52.4

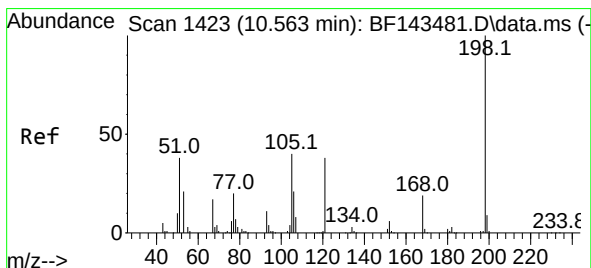
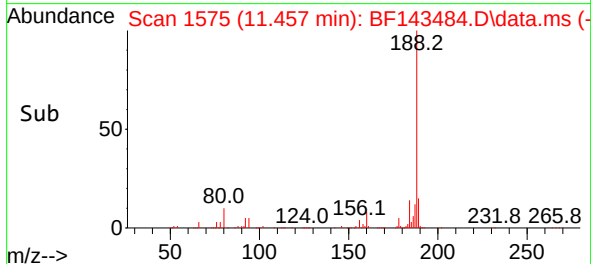
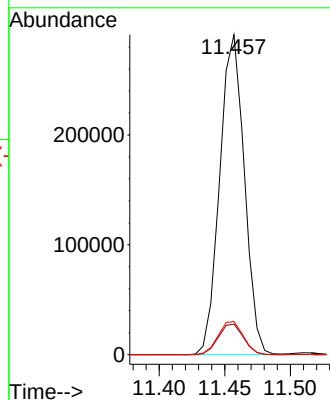
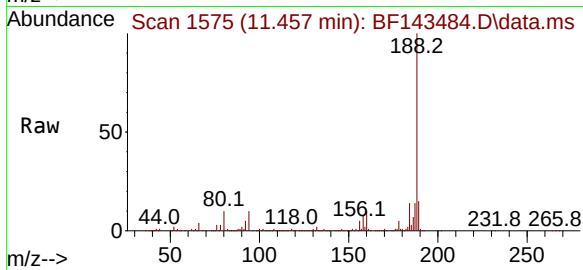




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

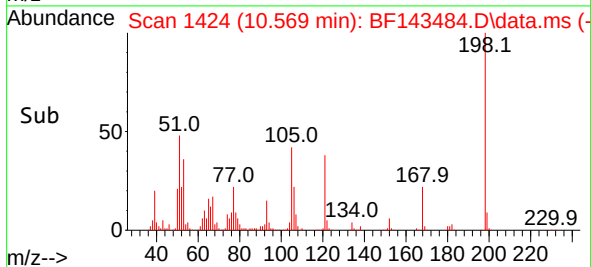
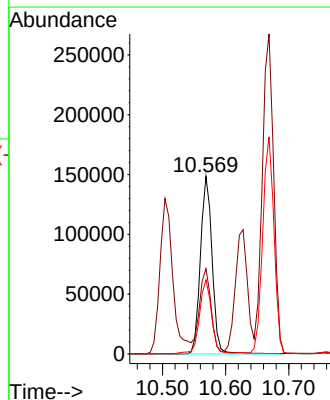
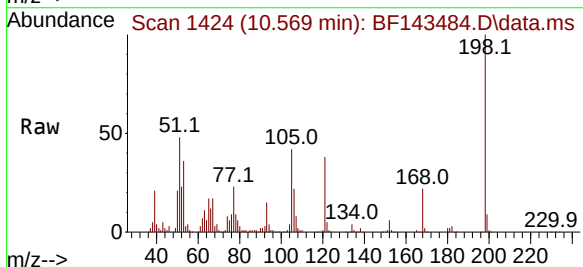
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

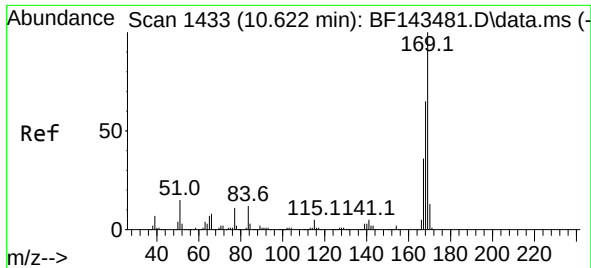
Tgt Ion:188 Resp: 380140
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.3 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 89.041 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:198 Resp: 190849
Ion Ratio Lower Upper
198 100
51 48.1 29.6 69.6
105 41.7 21.5 61.5

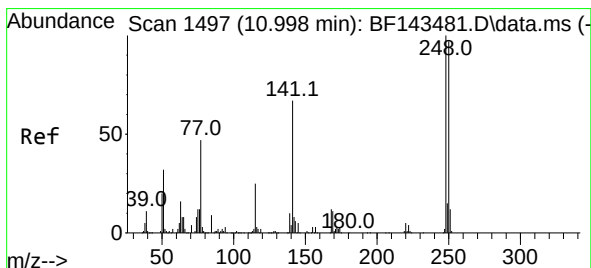
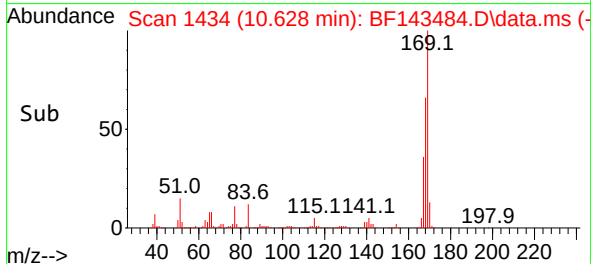
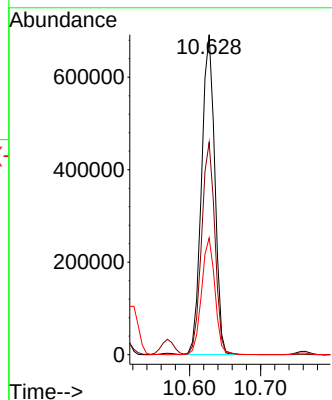
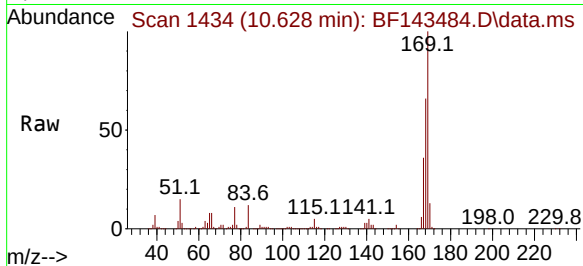




#66
n-Nitrosodiphenylamine
Concen: 73.307 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

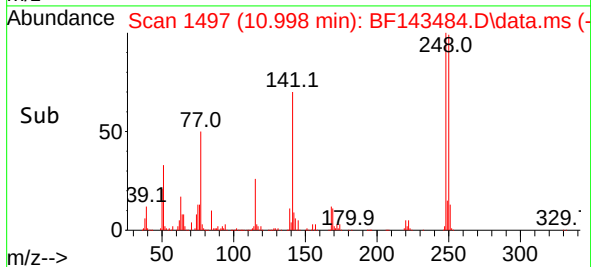
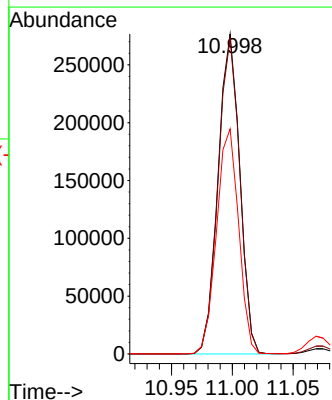
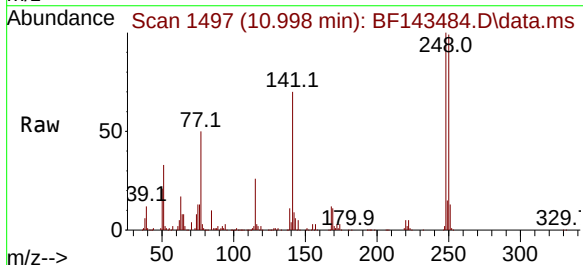
Instrument :
BNA_F
ClientSampleId :
SSTDIC080

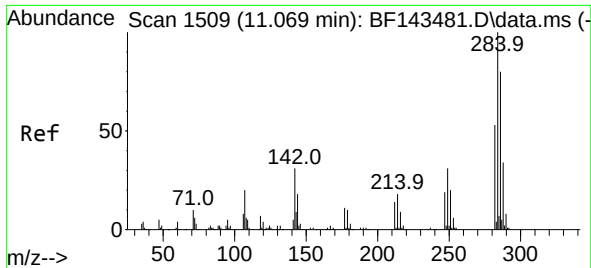
Tgt Ion:169 Resp: 896806
Ion Ratio Lower Upper
169 100
168 66.4 52.4 78.6
167 36.5 28.9 43.3



#67
4-Bromophenyl-phenylether
Concen: 75.979 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:248 Resp: 344616
Ion Ratio Lower Upper
248 100
250 98.7 77.8 116.8
141 70.4 54.0 81.0

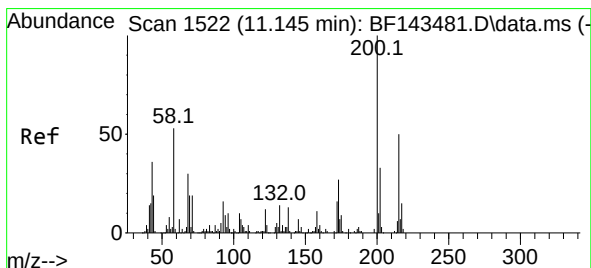
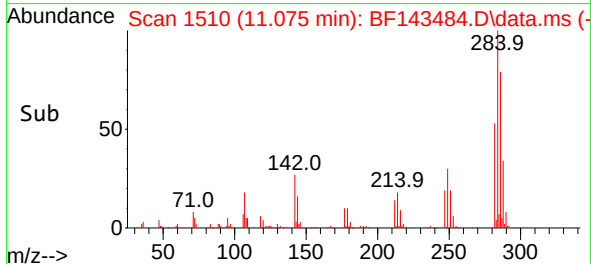
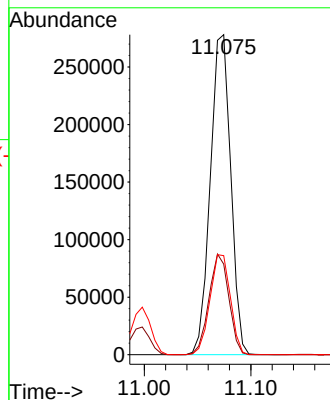
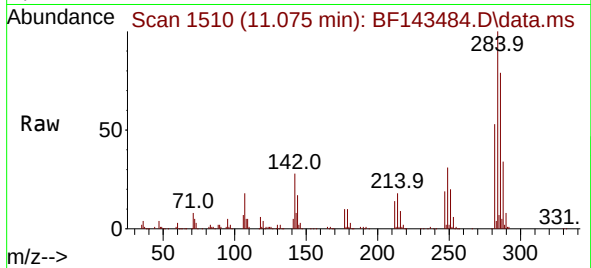




#68
Hexachlorobenzene
Concen: 75.603 ng
RT: 11.075 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

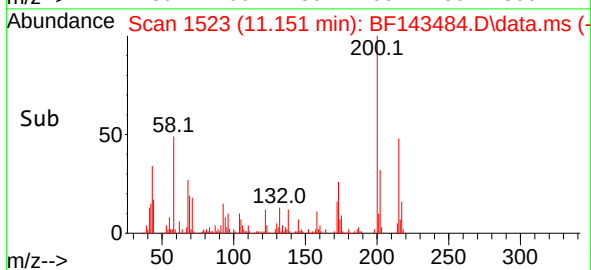
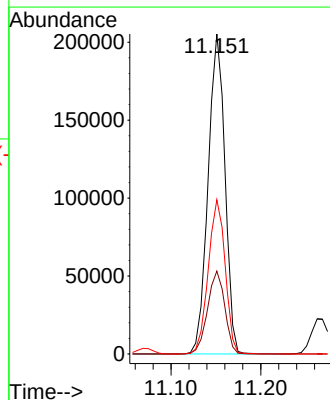
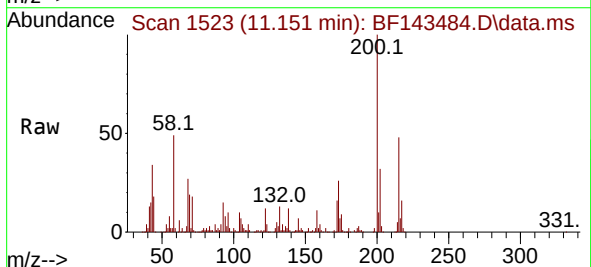
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

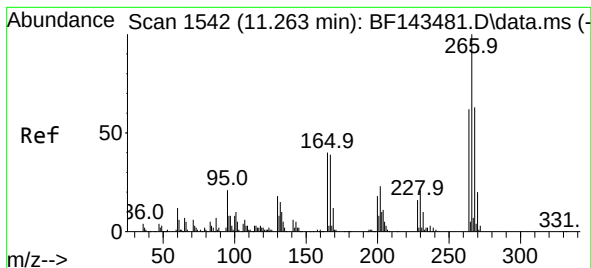
Tgt Ion:284 Resp: 369632
Ion Ratio Lower Upper
284 100
142 28.3 24.4 36.6
249 31.0 25.0 37.6



#69
Atrazine
Concen: 84.774 ng
RT: 11.151 min Scan# 1523
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:200 Resp: 267710
Ion Ratio Lower Upper
200 100
173 25.9 6.9 46.9
215 48.2 30.0 70.0





#70

Pentachlorophenol

Concen: 88.721 ng

RT: 11.269 min Scan# 1542

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

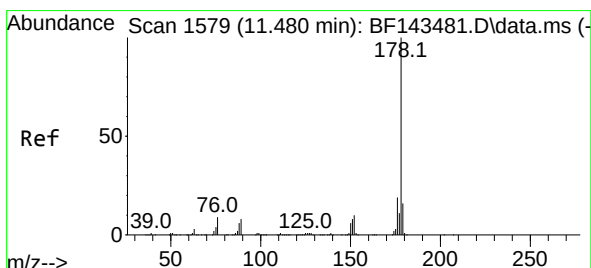
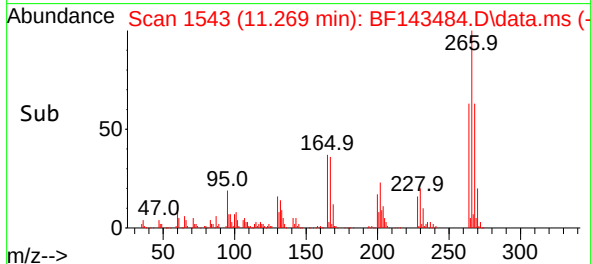
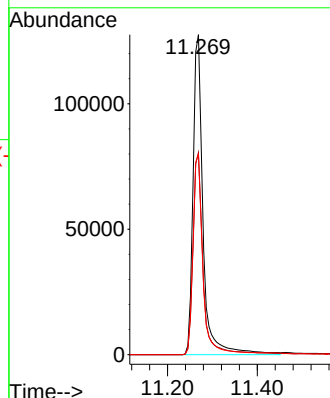
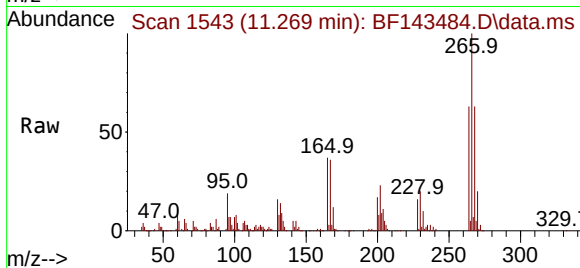
Tgt Ion:266 Resp: 198658

Ion Ratio Lower Upper

266 100

268 63.2 50.5 75.7

264 62.7 49.8 74.8



#71

Phenanthrene

Concen: 72.378 ng

RT: 11.480 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

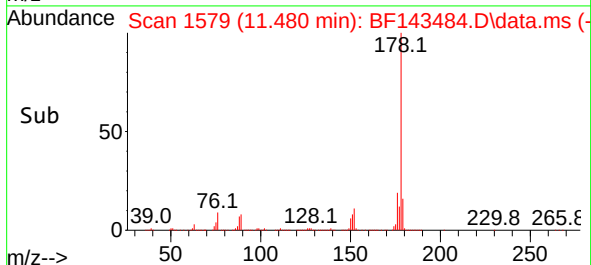
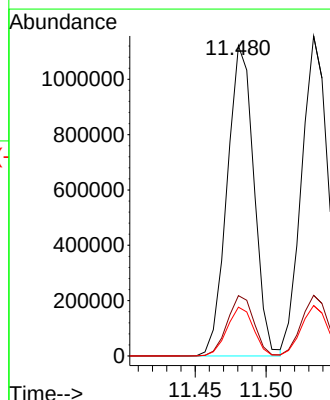
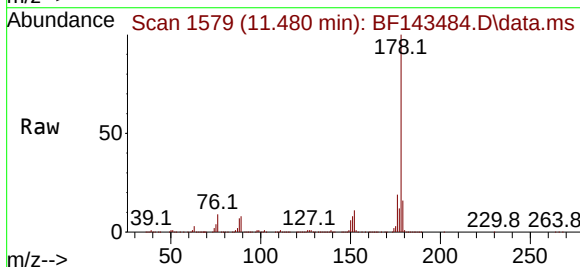
Tgt Ion:178 Resp: 1473414

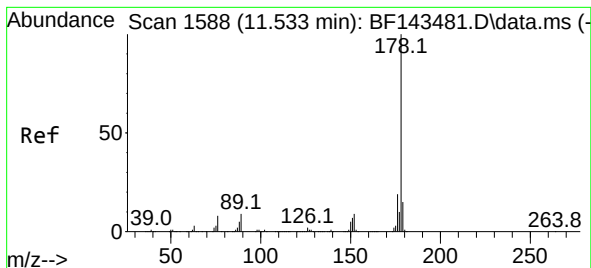
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.7 12.5 18.7

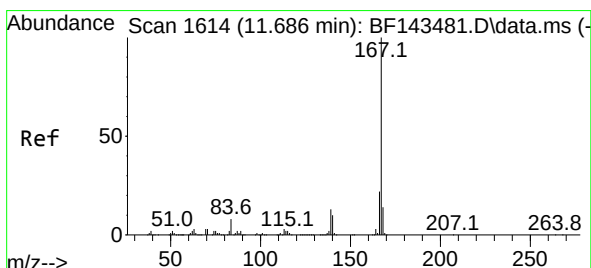
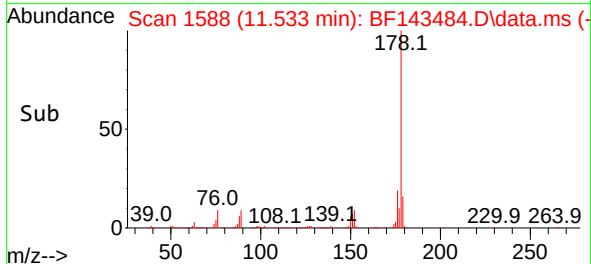
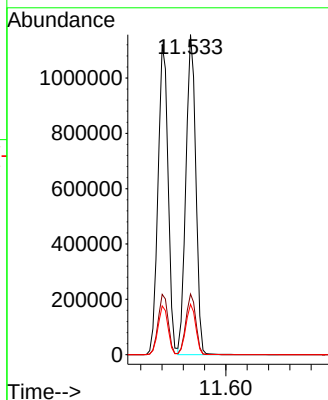
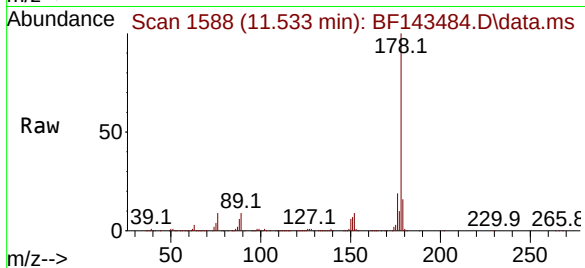




#72
 Anthracene
 Concen: 72.232 ng
 RT: 11.533 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143484.D
 Acq: 20 Aug 2025 14:20

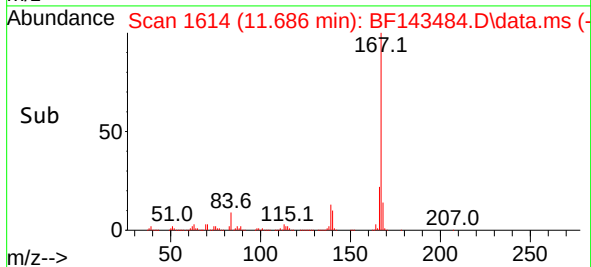
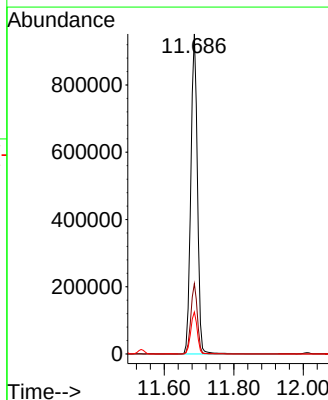
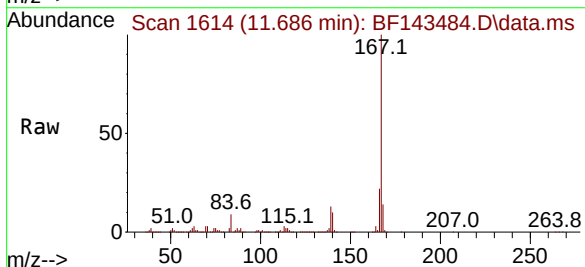
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

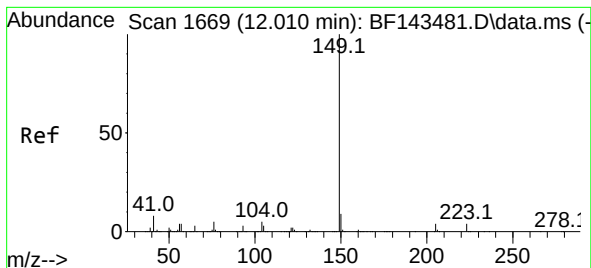
Tgt Ion:178 Resp: 1489612
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.4
 179 15.7 12.3 18.5



#73
 Carbazole
 Concen: 74.240 ng
 RT: 11.686 min Scan# 1614
 Delta R.T. 0.000 min
 Lab File: BF143484.D
 Acq: 20 Aug 2025 14:20

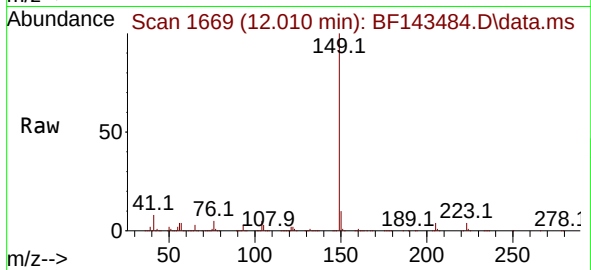
Tgt Ion:167 Resp: 1254509
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.3 25.9
 139 13.1 10.0 15.0



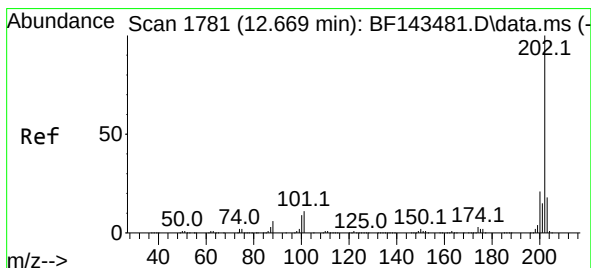
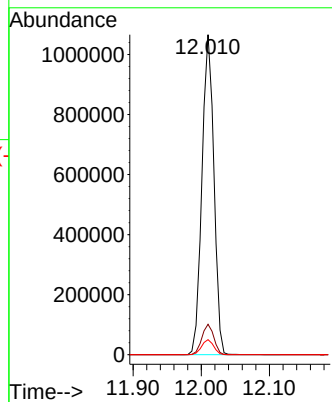
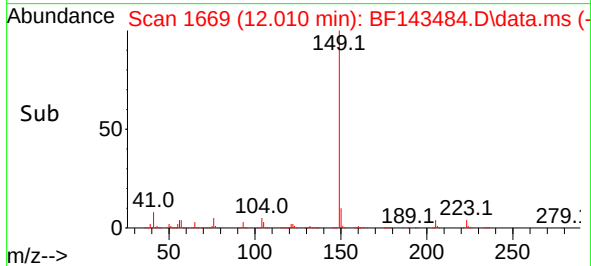


#74
Di-n-butylphthalate
Concen: 82.429 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

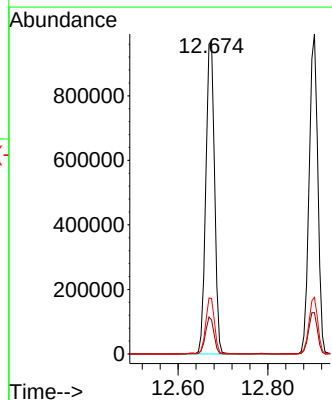
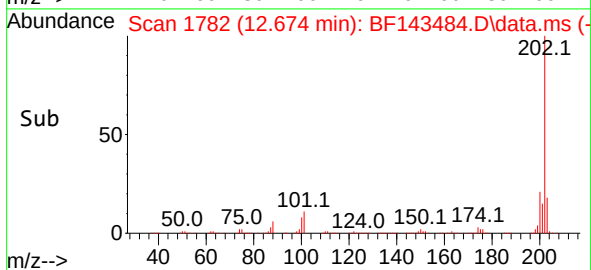
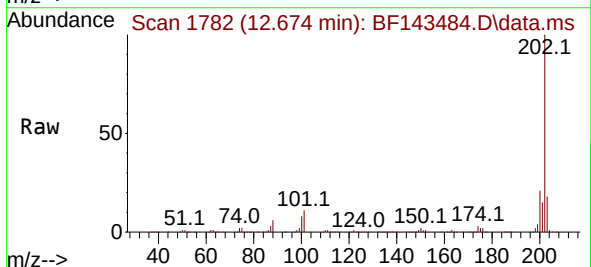


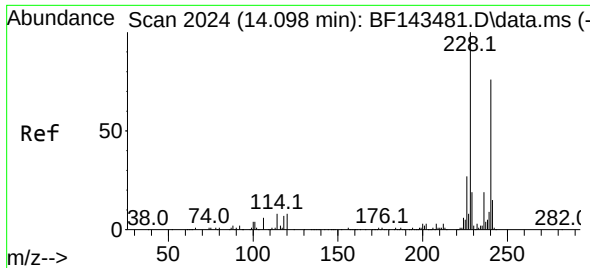
Tgt Ion:149 Resp: 1299399
Ion Ratio Lower Upper
149 100
150 9.5 7.2 10.8
104 4.7 3.6 5.4



#75
Fluoranthene
Concen: 71.750 ng
RT: 12.674 min Scan# 1782
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:202 Resp: 1310616
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.3
203 17.8 0.0 37.9

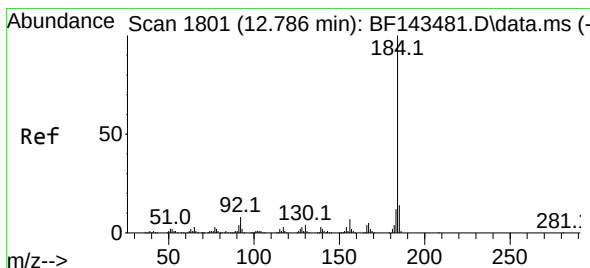
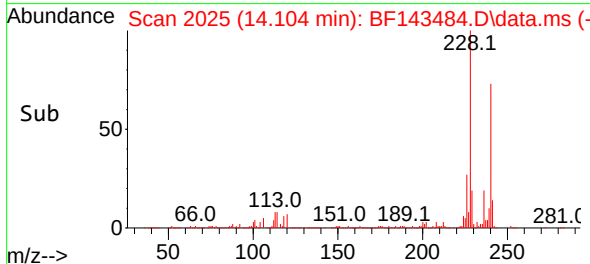
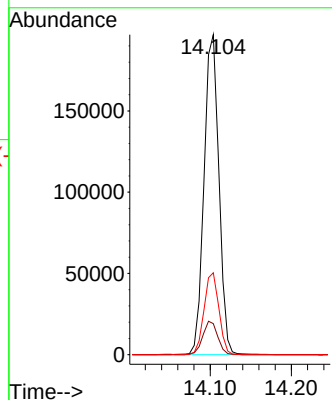
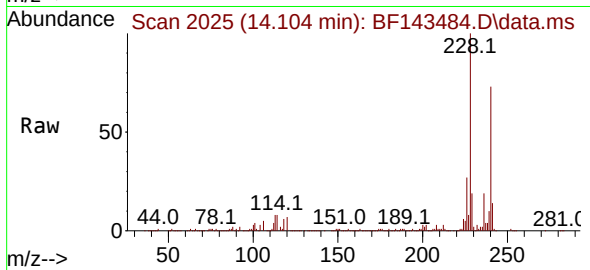




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

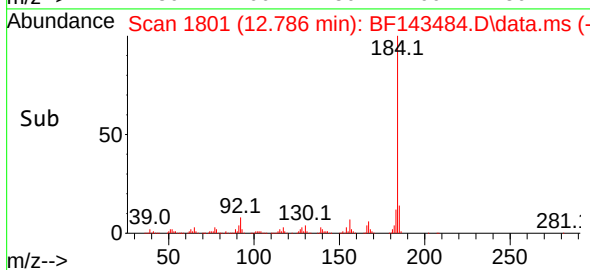
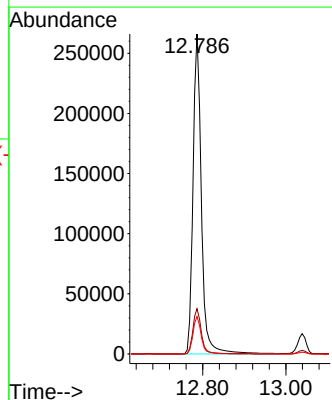
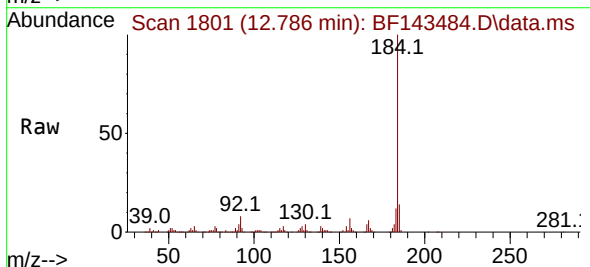
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

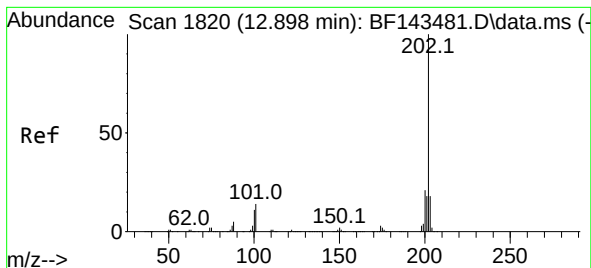
Tgt Ion:240 Resp: 250059
Ion Ratio Lower Upper
240 100
120 9.7 8.6 12.8
236 25.6 20.4 30.6



#77
Benzidine
Concen: 61.042 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:184 Resp: 371810
Ion Ratio Lower Upper
184 100
185 14.2 11.3 16.9
183 11.7 9.5 14.3





#78

Pyrene

Concen: 64.536 ng

RT: 12.904 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

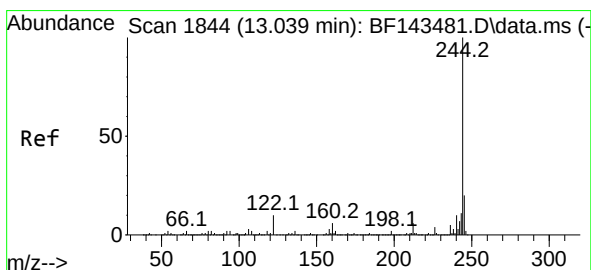
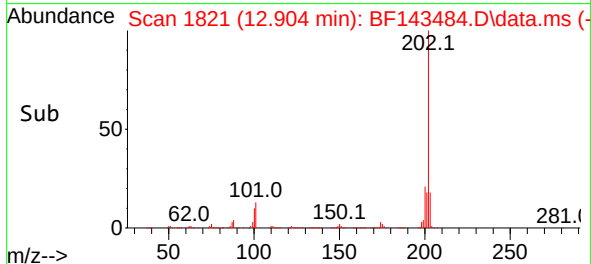
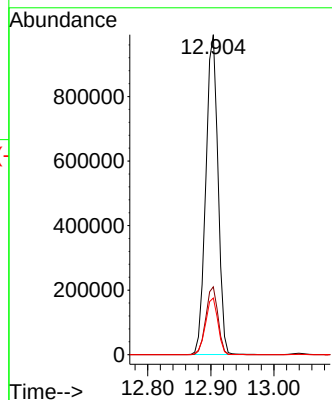
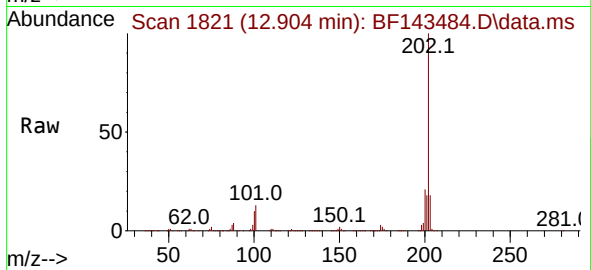
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:202 Resp: 1327454

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5



#79

Terphenyl-d14

Concen: 126.204 ng

RT: 13.039 min Scan# 1844

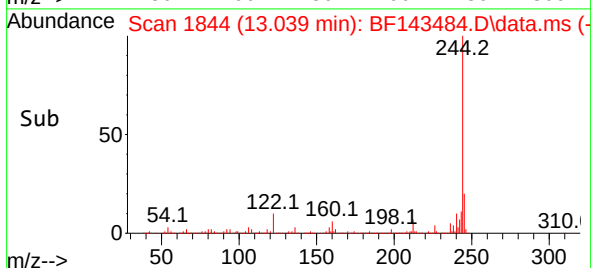
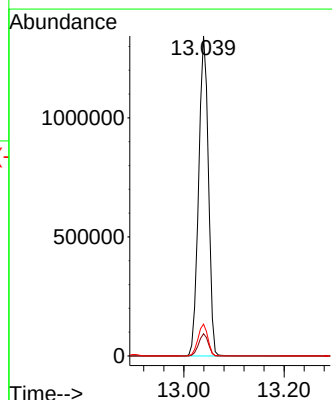
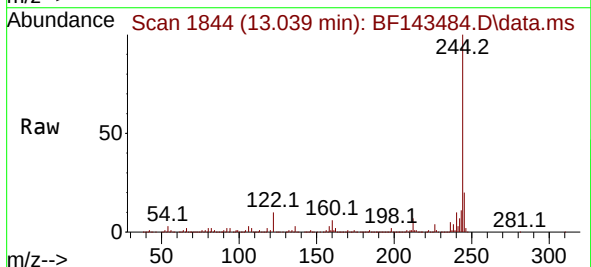
Delta R.T. 0.000 min

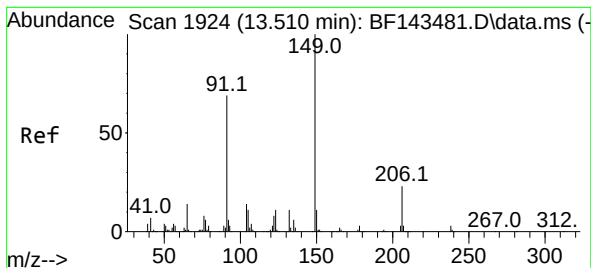
Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion:244 Resp: 1808474

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.2	7.8
122	9.9	7.9	11.9

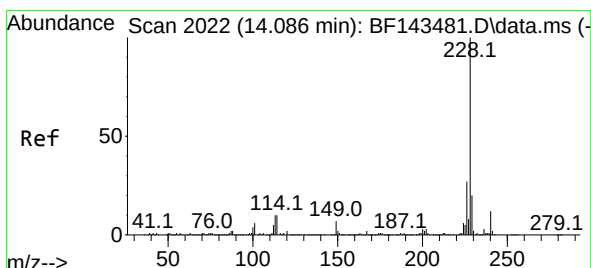
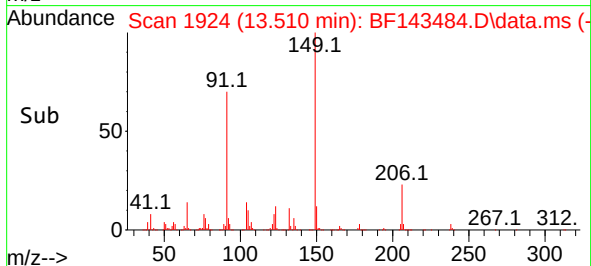
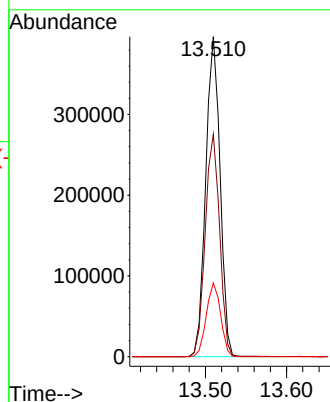
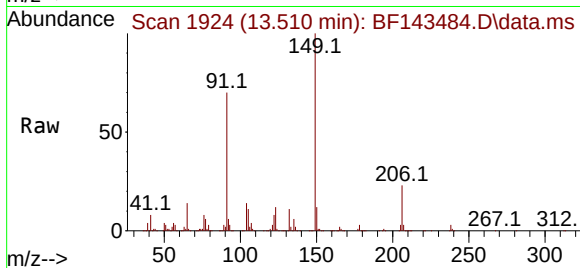




#80
Butylbenzylphthalate
Concen: 86.247 ng
RT: 13.510 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

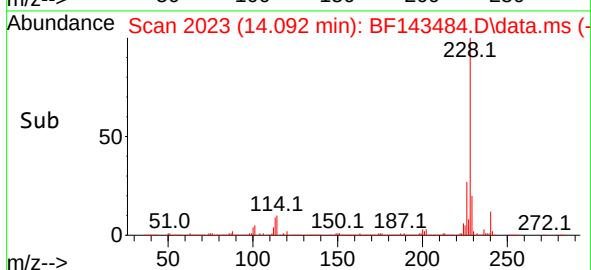
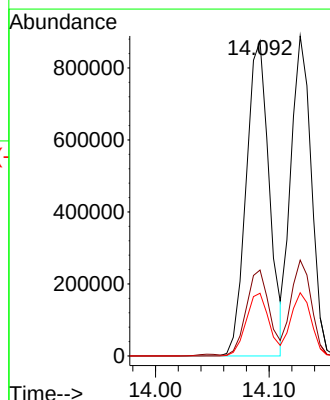
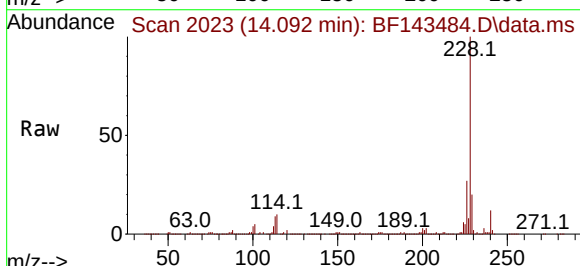
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

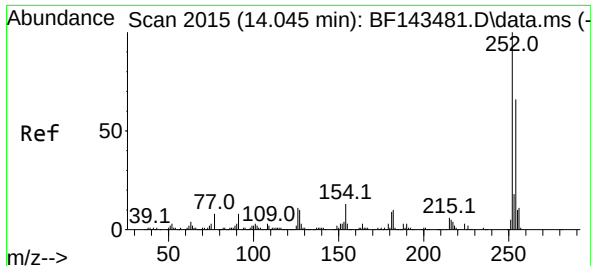
Tgt Ion:	149	Resp:	484637
Ion	Ratio	Lower	Upper
149	100		
91	69.5	55.3	82.9
206	23.0	18.2	27.4



#81
Benzo(a)anthracene
Concen: 76.847 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:	228	Resp:	1237164
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.9	15.7	23.5

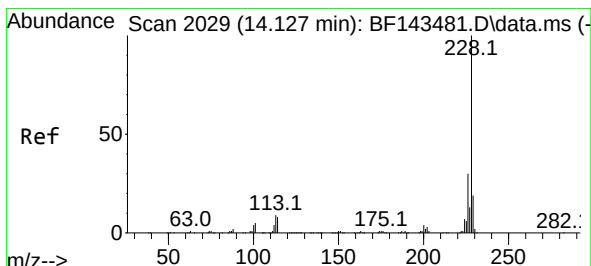
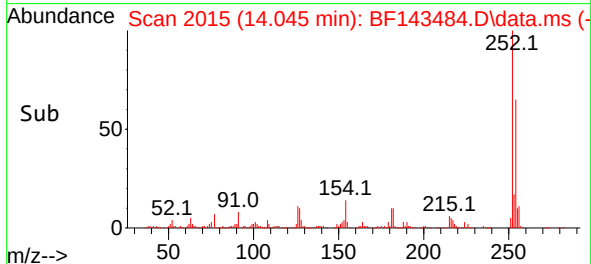
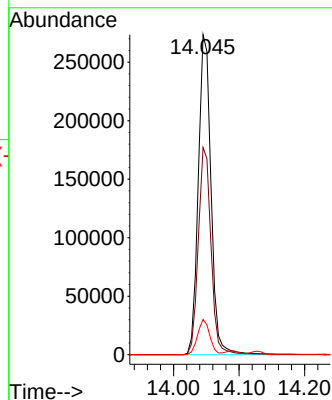
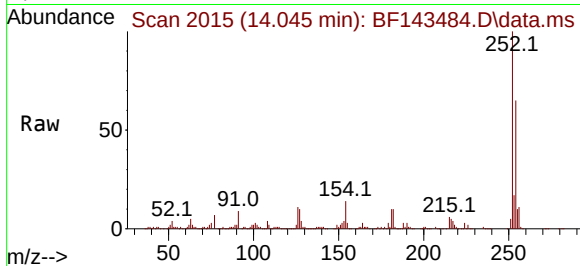




#82
 3,3'-Dichlorobenzidine
 Concen: 80.290 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: BF143484.D
 Acq: 20 Aug 2025 14:20

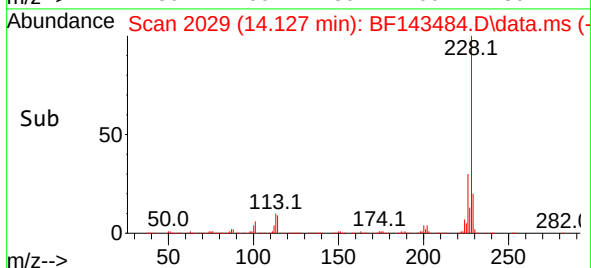
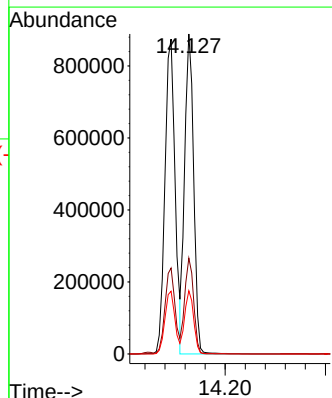
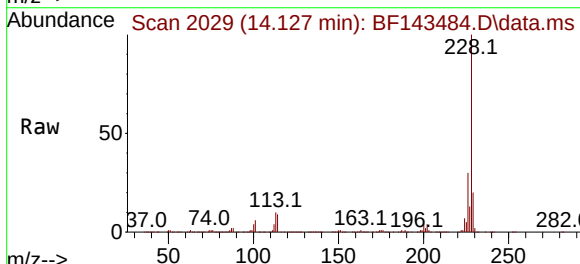
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

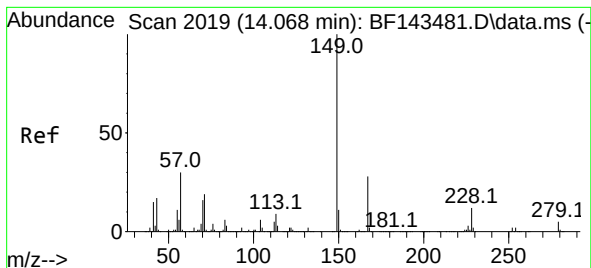
Tgt Ion:	252	Resp:	370170
Ion Ratio	Lower	Upper	
252	100		
254	64.7	52.6	79.0
126	11.0	8.7	13.1



#83
 Chrysene
 Concen: 77.031 ng
 RT: 14.127 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF143484.D
 Acq: 20 Aug 2025 14:20

Tgt Ion:	228	Resp:	1114466
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.7	35.5
229	19.8	15.7	23.5

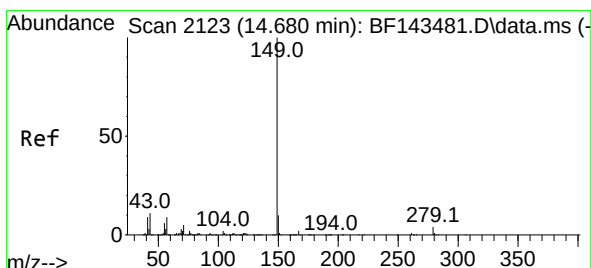
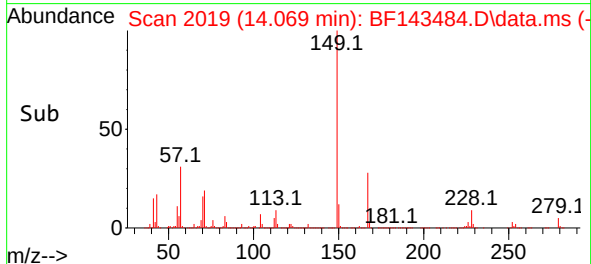
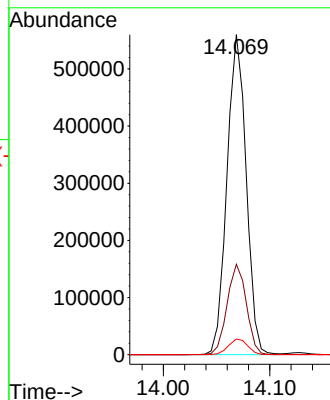
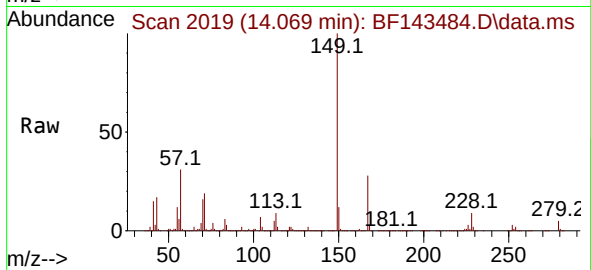




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 81.836 ng
 RT: 14.069 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF143484.D
 Acq: 20 Aug 2025 14:20

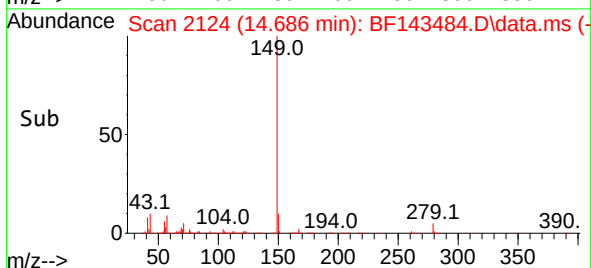
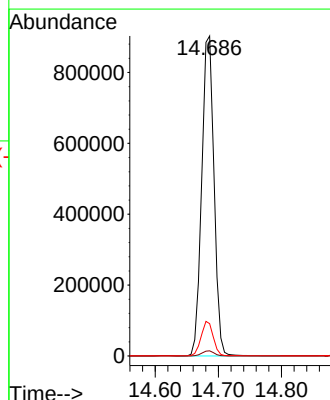
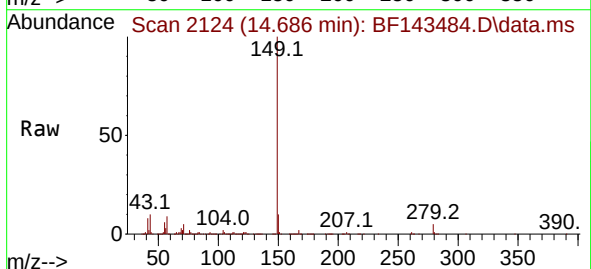
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

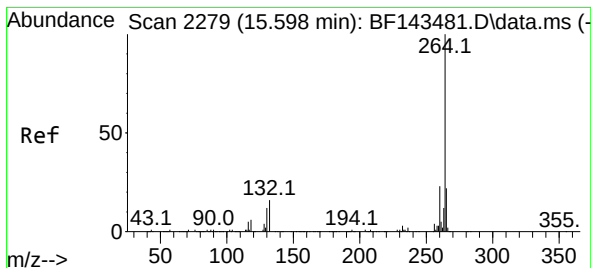
Tgt Ion:149 Resp: 700384
 Ion Ratio Lower Upper
 149 100
 167 28.3 22.2 33.2
 279 4.9 3.6 5.4



#85
 Di-n-octyl phthalate
 Concen: 77.442 ng
 RT: 14.686 min Scan# 2124
 Delta R.T. 0.000 min
 Lab File: BF143484.D
 Acq: 20 Aug 2025 14:20

Tgt Ion:149 Resp: 1227818
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 10.6 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.598 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

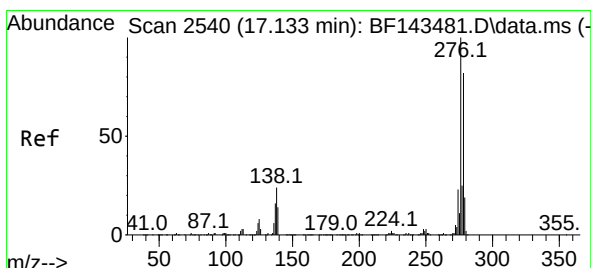
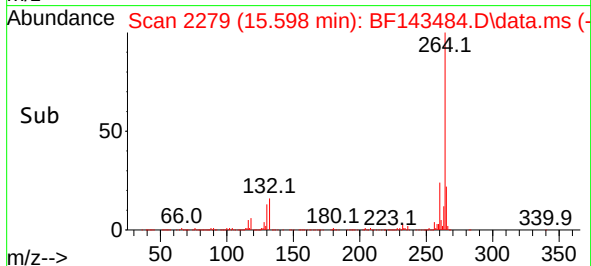
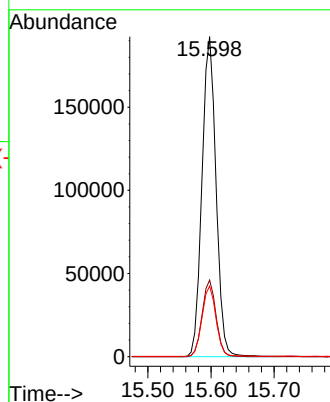
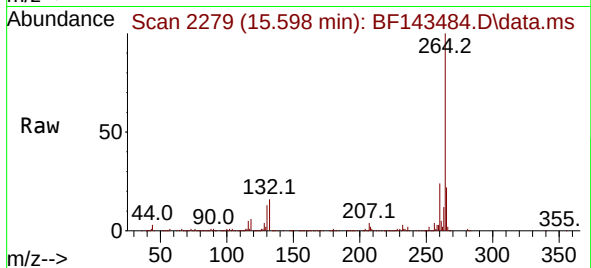
Tgt Ion:264 Resp: 296923

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.1 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 72.108 ng

RT: 17.139 min Scan# 2541

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

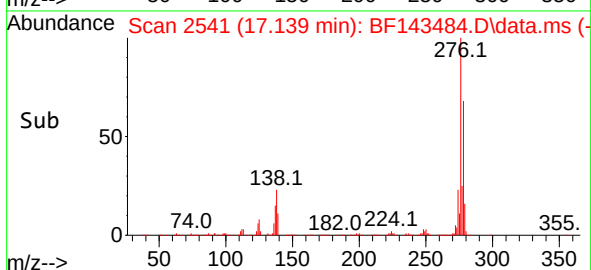
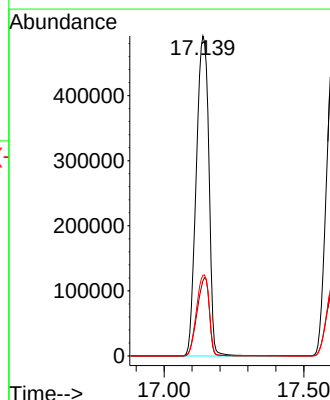
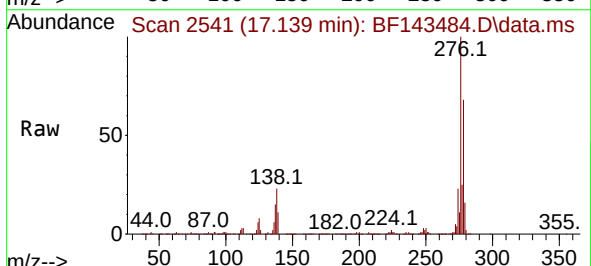
Tgt Ion:276 Resp: 1538560

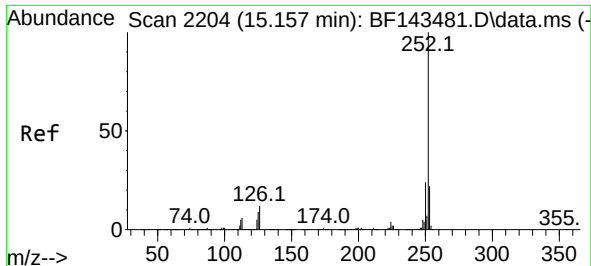
Ion Ratio Lower Upper

276 100

138 23.6 19.2 28.8

277 25.4 20.3 30.5

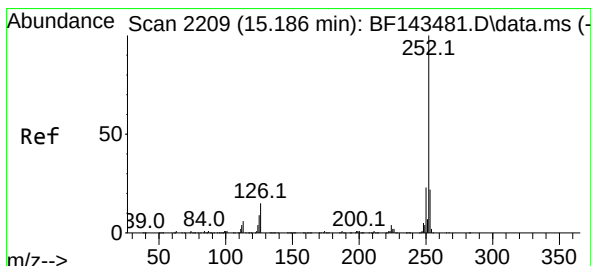
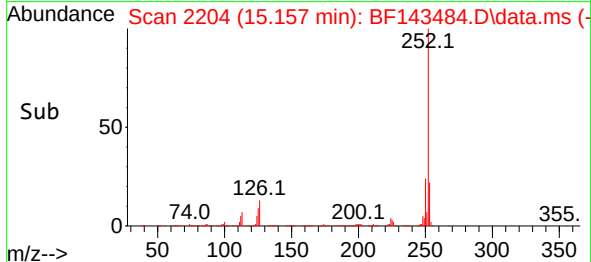
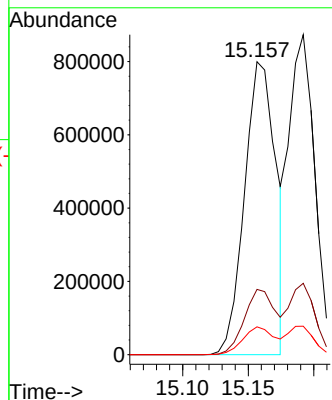
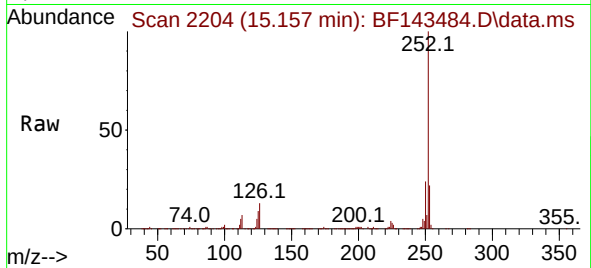




#88
Benzo(b)fluoranthene
Concen: 80.545 ng
RT: 15.157 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

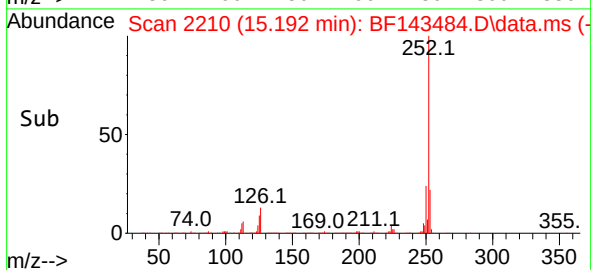
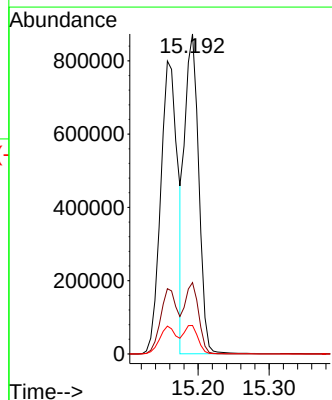
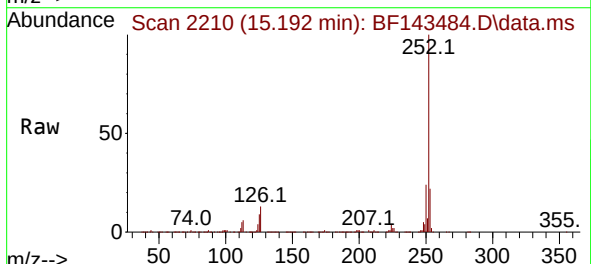
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

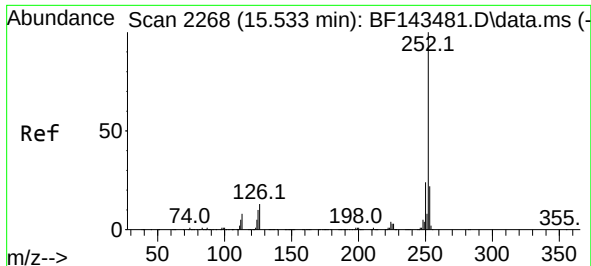
Tgt Ion:252 Resp: 1329385
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 9.5 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 75.511 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:252 Resp: 1193283
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 8.9 7.4 11.0

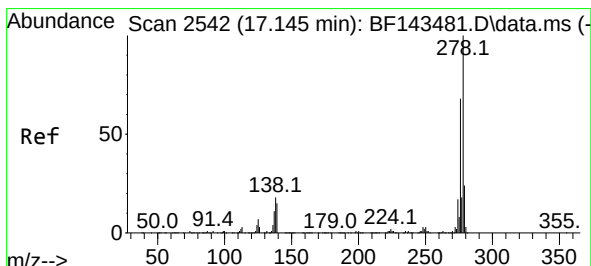
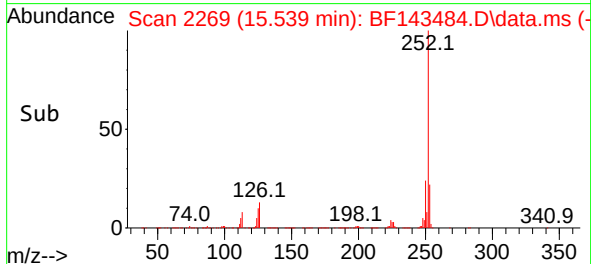
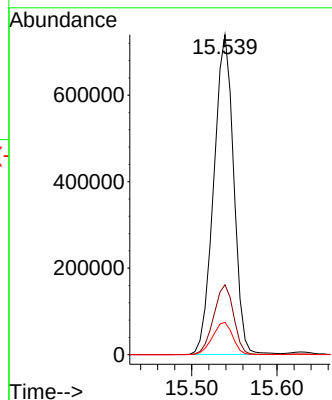
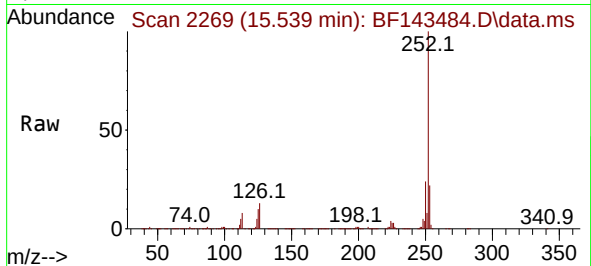




#90
Benzo(a)pyrene
Concen: 78.365 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

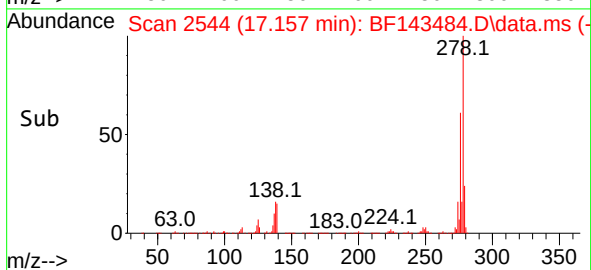
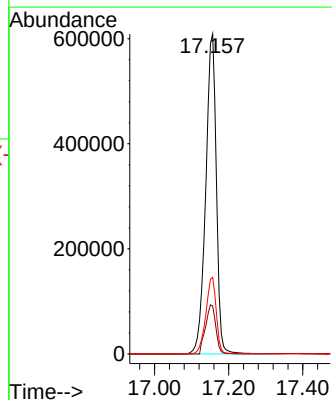
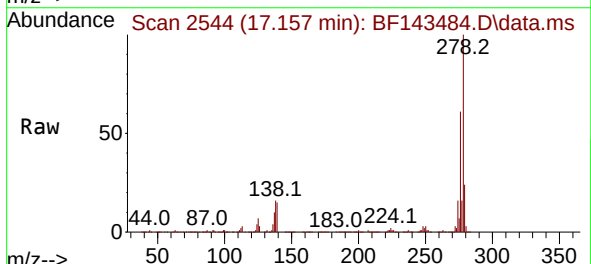
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

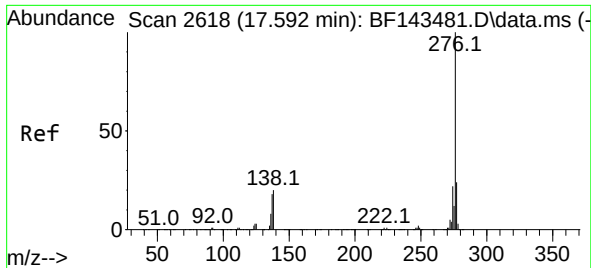
Tgt Ion:252 Resp: 1200553
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 10.1 8.2 12.2



#91
Dibenzo(a,h)anthracene
Concen: 71.099 ng
RT: 17.157 min Scan# 2544
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

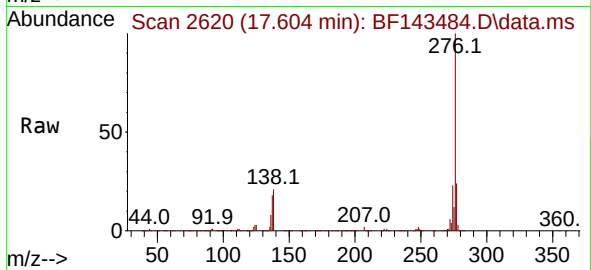
Tgt Ion:278 Resp: 1214959
Ion Ratio Lower Upper
278 100
139 15.0 12.1 18.1
279 24.0 19.2 28.8



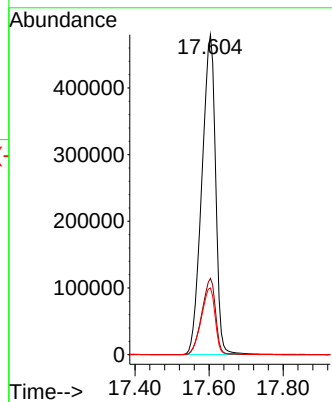
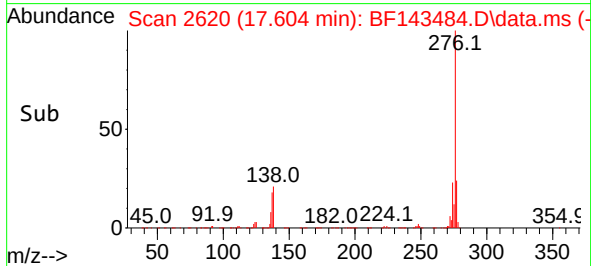


#92
Benzo(g,h,i)perylene
Concen: 72.598 ng
RT: 17.604 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:276 Resp: 1233571
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 20.9 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143485.D
 Acq On : 20 Aug 2025 15:16
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF082025

Quant Time: Aug 20 16:24:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	147483	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	560799	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	307376	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	481864	20.000	ng	0.00
76) Chrysene-d12	14.098	240	290808	20.000	ng	0.00
86) Perylene-d12	15.598	264	304631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	673963	79.796	ng	0.00
7) Phenol-d6	6.563	99	826142	79.236	ng	-0.01
23) Nitrobenzene-d5	7.492	82	774657	80.608	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	231053	80.753	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1418903	76.290	ng	0.00
79) Terphenyl-d14	13.039	244	1278285	76.705	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.740	88	153305	39.182	ng	99
3) Pyridine	3.516	79	420783	40.378	ng	100
4) n-Nitrosodimethylamine	3.457	42	191147	40.802	ng	96
6) Aniline	6.592	93	563974	40.468	ng	98
8) 2-Chlorophenol	6.716	128	375251	40.225	ng	99
9) Benzaldehyde	6.481	77	357456	42.346	ng	100
10) Phenol	6.581	94	487495	40.587	ng	98
11) bis(2-Chloroethyl)ether	6.657	93	359124	40.011	ng	99
12) 1,3-Dichlorobenzene	6.869	146	416344	39.721	ng	99
13) 1,4-Dichlorobenzene	6.945	146	414739	39.445	ng	99
14) 1,2-Dichlorobenzene	7.098	146	395851	39.765	ng	100
15) Benzyl Alcohol	7.069	79	321497	41.185	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	574948	40.039	ng	99
17) 2-Methylphenol	7.181	107	304639	40.687	ng	96
18) Hexachloroethane	7.439	117	145111	40.592	ng	99
19) n-Nitroso-di-n-propyla...	7.339	70	252025	39.547	ng	99
20) 3+4-Methylphenols	7.334	107	362521	40.559	ng	99
22) Acetophenone	7.334	105	472388	38.990	ng	99
24) Nitrobenzene	7.510	77	401365	40.579	ng	99
25) Isophorone	7.751	82	710700	40.343	ng	98
26) 2-Nitrophenol	7.828	139	202267	41.747	ng	99
27) 2,4-Dimethylphenol	7.863	122	299505	39.655	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	435322	40.210	ng	100
29) 2,4-Dichlorophenol	8.069	162	324407	40.217	ng	97
30) 1,2,4-Trichlorobenzene	8.151	180	326797	39.404	ng	99
31) Naphthalene	8.233	128	1050936	39.033	ng	100
32) Benzoic acid	7.986	122	174224	41.489	ng	98
33) 4-Chloroaniline	8.281	127	384473	40.234	ng	100
34) Hexachlorobutadiene	8.351	225	213848	39.523	ng	99
35) Caprolactam	8.651	113	86788	44.838	ng	95
36) 4-Chloro-3-methylphenol	8.763	107	327951	40.569	ng	99
37) 2-Methylnaphthalene	8.922	142	699087	38.877	ng	99
38) 1-Methylnaphthalene	9.022	142	675310	39.260	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	341006	38.786	ng	99
41) Hexachlorocyclopentadiene	9.080	237	123767	39.756	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	222378	41.105	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143485.D
 Acq On : 20 Aug 2025 15:16
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF082025

Quant Time: Aug 20 16:24:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

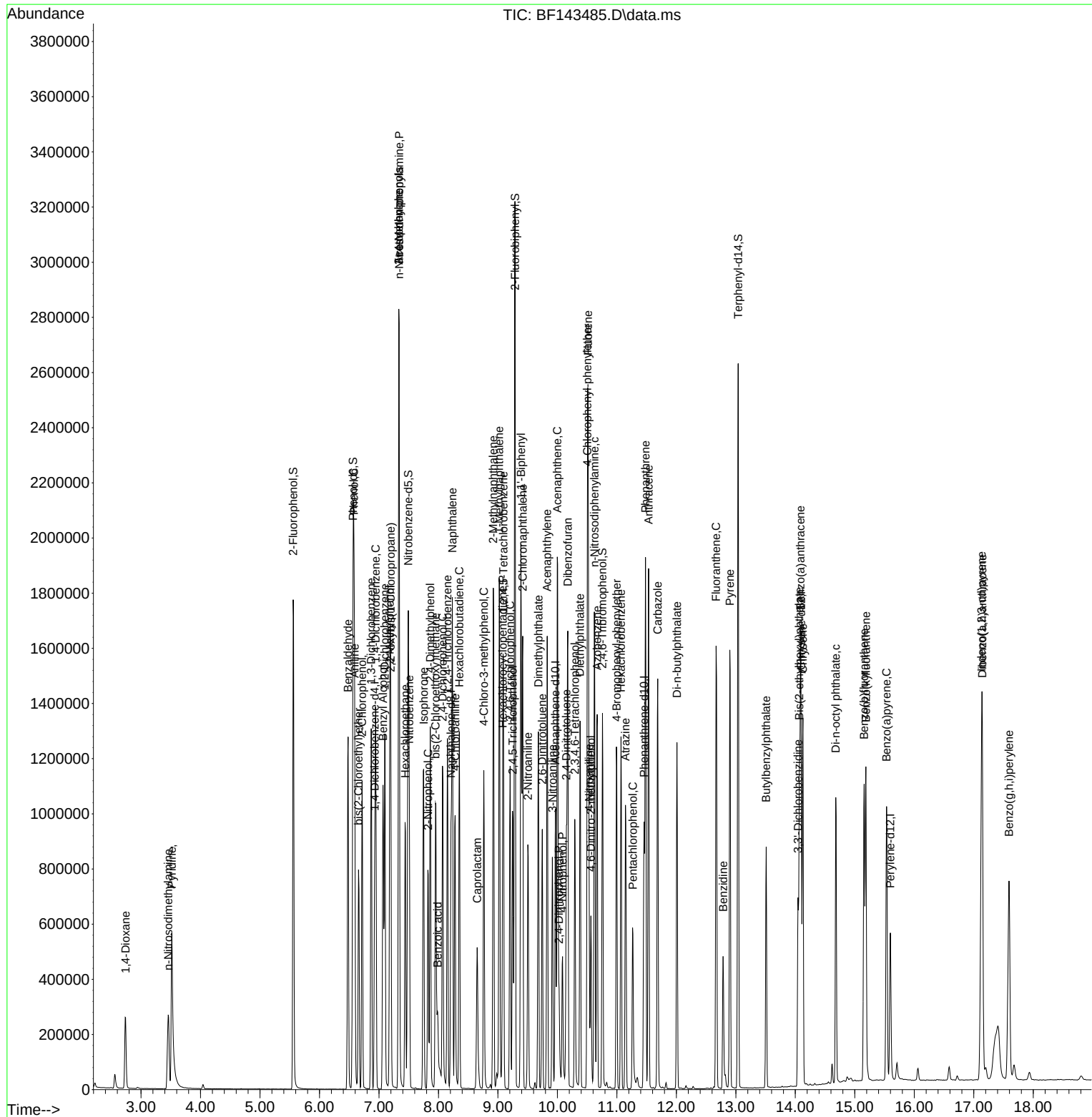
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	231521	39.178	ng	98
46) 1,1'-Biphenyl	9.386	154	850787	38.997	ng	100
47) 2-Chloronaphthalene	9.416	162	668760	39.068	ng	99
48) 2-Nitroaniline	9.504	65	209716	41.861	ng	99
49) Acenaphthylene	9.827	152	969574	39.557	ng	99
50) Dimethylphthalate	9.680	163	757804	40.935	ng	100
51) 2,6-Dinitrotoluene	9.745	165	162905	42.459	ng	98
52) Acenaphthene	9.998	154	664685	39.941	ng	100
53) 3-Nitroaniline	9.916	138	176223	42.506	ng	98
54) 2,4-Dinitrophenol	10.027	184	84522	43.761	ng	99
55) Dibenzofuran	10.175	168	925864	39.023	ng	99
56) 4-Nitrophenol	10.086	139	114429	46.387	ng	99
57) 2,4-Dinitrotoluene	10.151	165	221231	43.183	ng	97
58) Fluorene	10.516	166	710368	38.901	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	187764	42.767	ng	100
60) Diethylphthalate	10.380	149	692256	41.708	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	358628	39.269	ng	99
62) 4-Nitroaniline	10.533	138	167278	43.927	ng	99
63) Azobenzene	10.669	77	688082	39.982	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	119136	43.849	ng	97
66) n-Nitrosodiphenylamine	10.622	169	608072	39.212	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	231727	40.305	ng	99
68) Hexachlorobenzene	11.069	284	245068	39.544	ng	98
69) Atrazine	11.145	200	174902	43.693	ng	99
70) Pentachlorophenol	11.269	266	124649	43.916	ng	99
71) Phenanthrene	11.480	178	1012486	39.237	ng	100
72) Anthracene	11.533	178	1029696	39.390	ng	100
73) Carbazole	11.686	167	865651	40.413	ng	100
74) Di-n-butylphthalate	12.010	149	869364	43.507	ng	99
75) Fluoranthene	12.668	202	932217	40.261	ng	100
77) Benzidine	12.786	184	283076	39.962	ng	99
78) Pyrene	12.898	202	930449	38.897	ng	100
80) Butylbenzylphthalate	13.510	149	271515	41.549	ng	99
81) Benzo(a)anthracene	14.086	228	763549	40.783	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	208975	38.975	ng	99
83) Chrysene	14.127	228	651325	38.711	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	388068	38.990	ng	99
85) Di-n-octyl phthalate	14.680	149	700201	37.975	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	859881	39.281	ng	99
88) Benzo(b)fluoranthene	15.157	252	667733	39.433	ng	100
89) Benzo(k)fluoranthene	15.186	252	664593	40.992	ng	100
90) Benzo(a)pyrene	15.533	252	631989	40.208	ng	99
91) Dibenzo(a,h)anthracene	17.145	278	690364	39.378	ng	99
92) Benzo(g,h,i)perylene	17.592	276	697169	39.992	ng	100

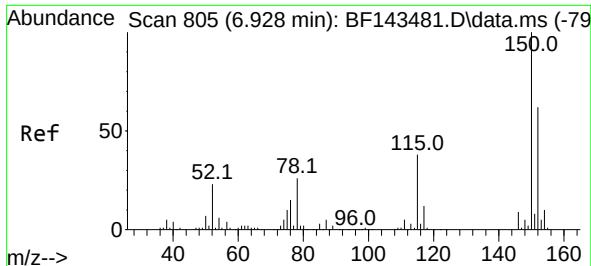
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

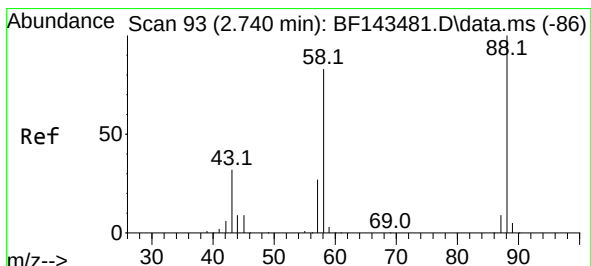
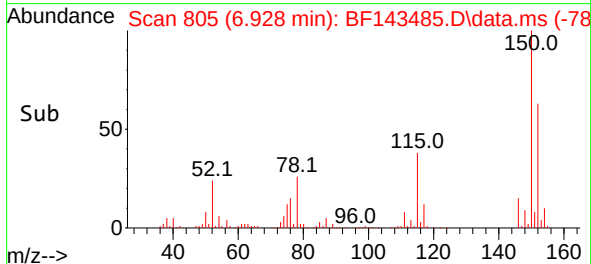
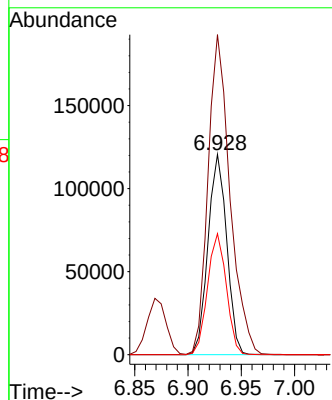
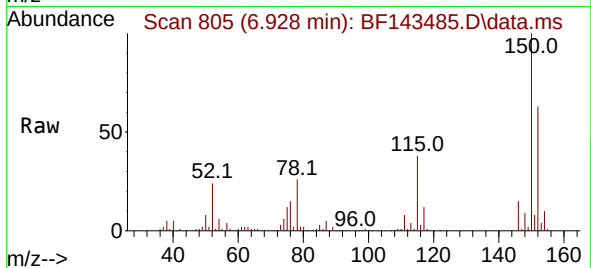




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143485.D
 Acq: 20 Aug 2025 15:16

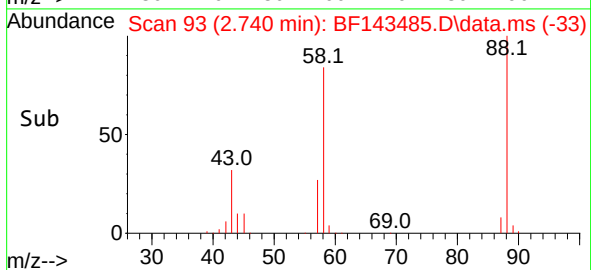
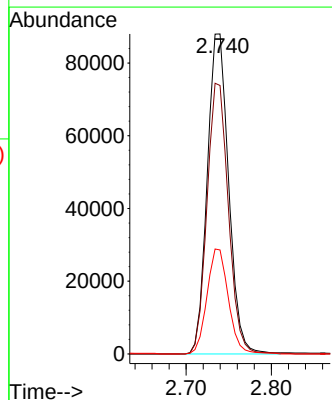
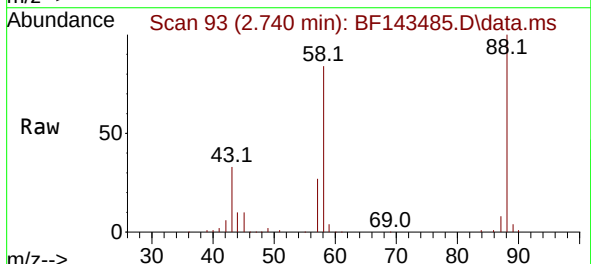
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF082025

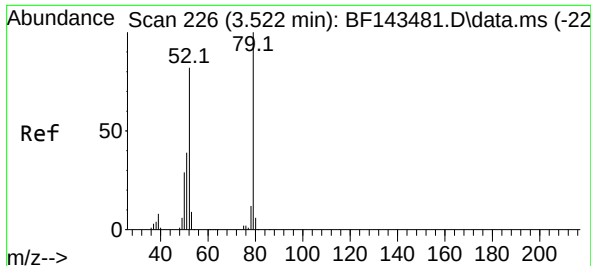
Tgt Ion:152 Resp: 147483
 Ion Ratio Lower Upper
 152 100
 150 159.8 128.9 193.3
 115 60.4 49.2 73.8



#2
 1,4-Dioxane
 Concen: 39.182 ng
 RT: 2.740 min Scan# 93
 Delta R.T. 0.006 min
 Lab File: BF143485.D
 Acq: 20 Aug 2025 15:16

Tgt Ion: 88 Resp: 153305
 Ion Ratio Lower Upper
 88 100
 58 84.6 66.7 100.1
 43 32.8 25.8 38.8





#3

Pyridine

Concen: 40.378 ng

RT: 3.516 min Scan# 215

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

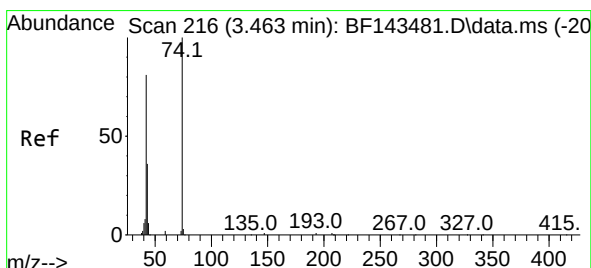
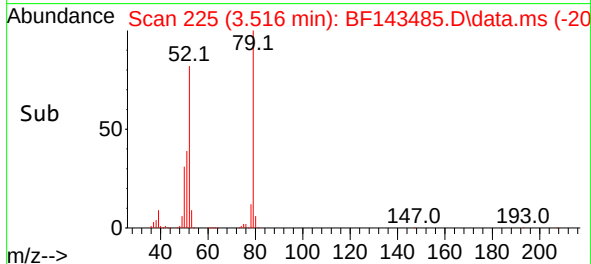
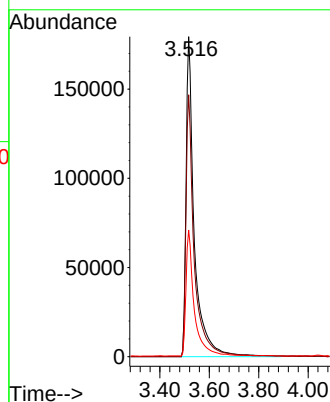
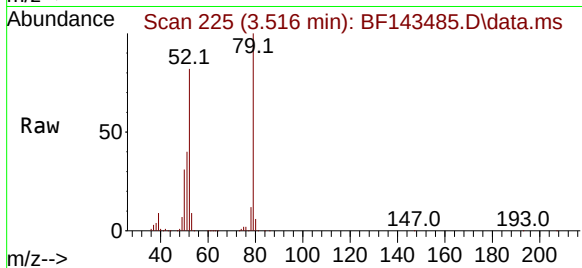
Tgt Ion: 79 Resp: 420783

Ion Ratio Lower Upper

79 100

52 81.9 65.6 98.4

51 39.6 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 40.802 ng

RT: 3.457 min Scan# 215

Delta R.T. -0.018 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

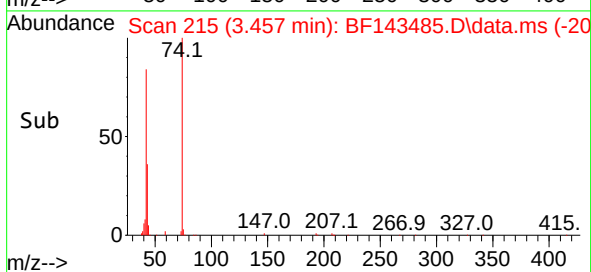
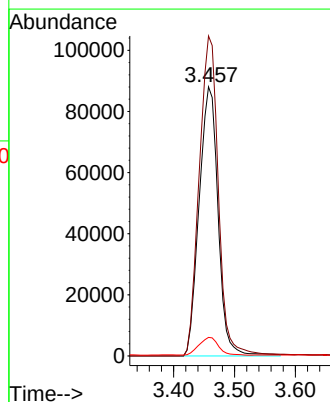
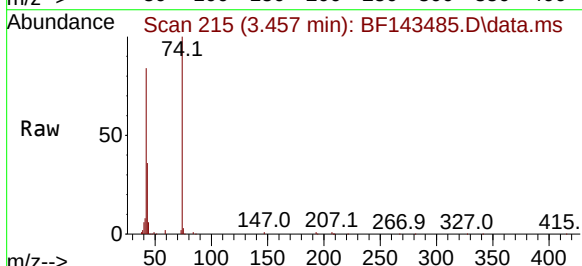
Tgt Ion: 42 Resp: 191147

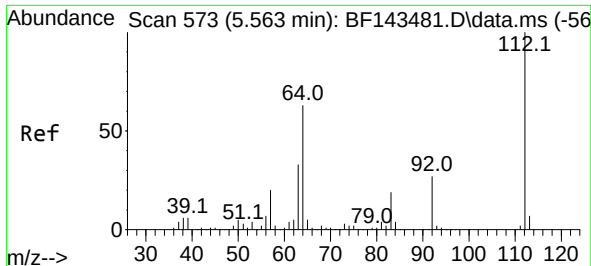
Ion Ratio Lower Upper

42 100

74 118.9 98.6 148.0

44 6.9 5.8 8.8

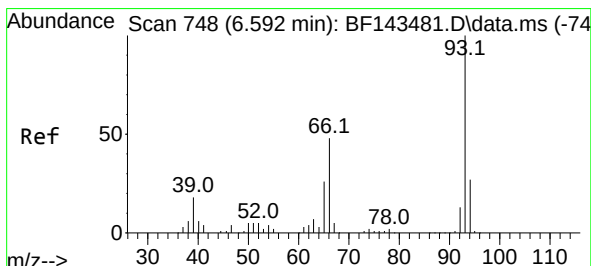
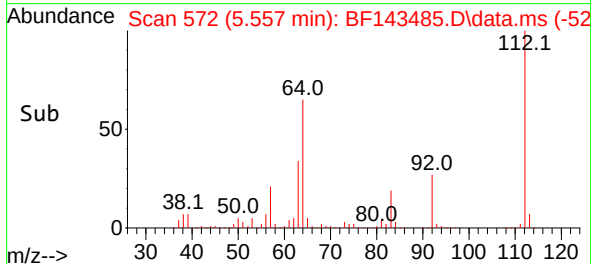
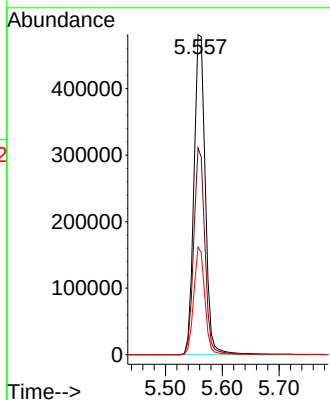
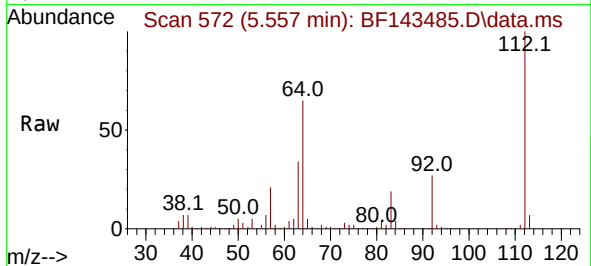




#5
2-Fluorophenol
Concen: 79.796 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

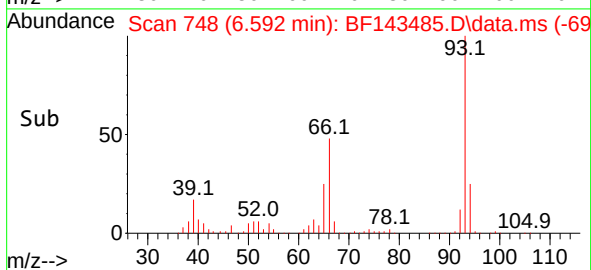
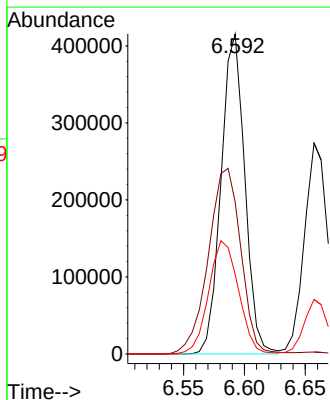
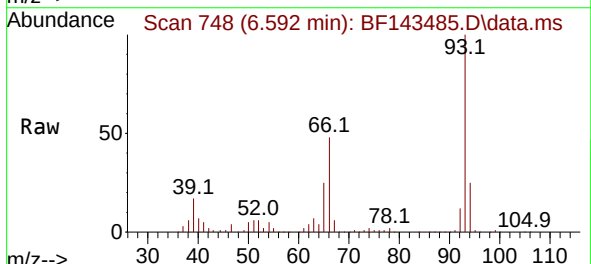
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

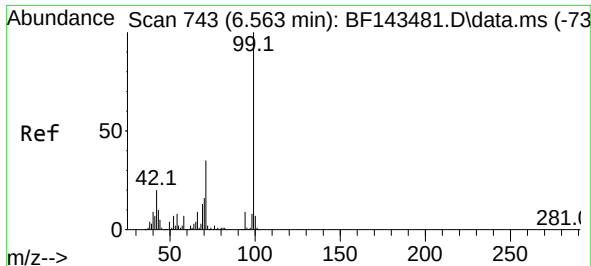
Tgt Ion:112 Resp: 673963
Ion Ratio Lower Upper
112 100
64 64.6 50.4 75.6
63 33.6 26.4 39.6



#6
Aniline
Concen: 40.468 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 93 Resp: 563974
Ion Ratio Lower Upper
93 100
66 47.5 38.9 58.3
65 24.9 20.6 30.8

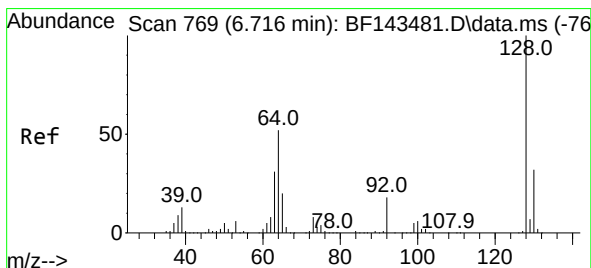
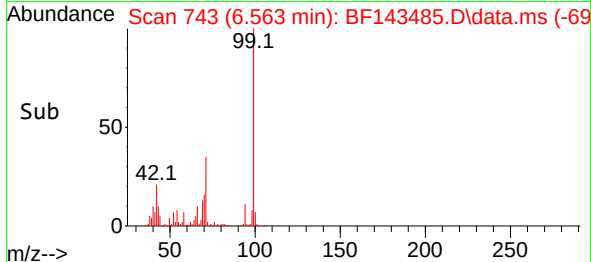
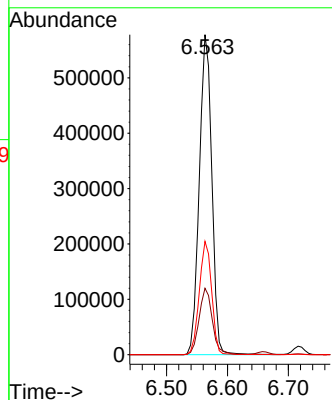
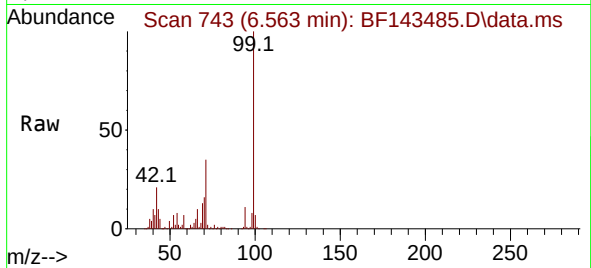




#7
Phenol-d6
Concen: 79.236 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

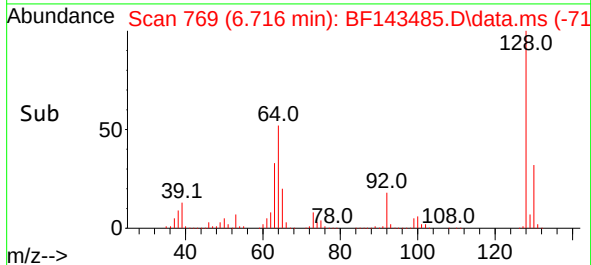
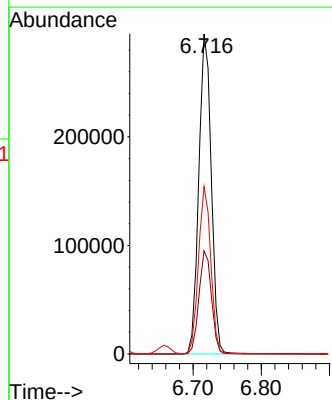
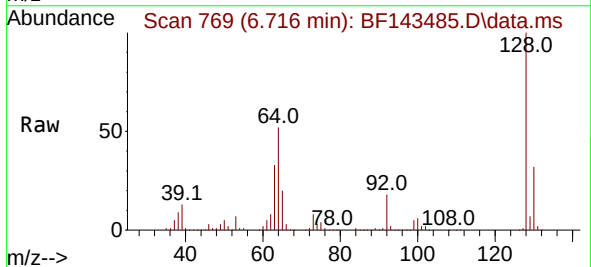
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

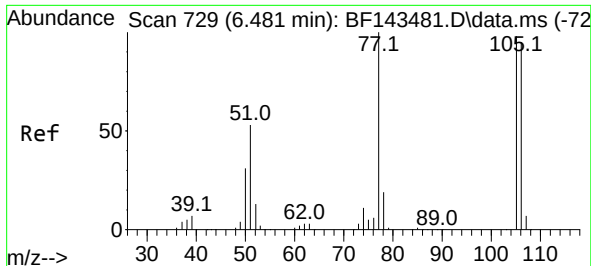
Tgt Ion: 99 Resp: 826142
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 35.4 28.2 42.2



#8
2-Chlorophenol
Concen: 40.225 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 128 Resp: 375251
Ion Ratio Lower Upper
128 100
130 32.2 12.4 52.4
64 52.3 31.6 71.6

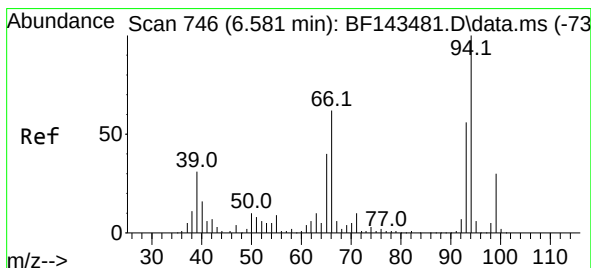
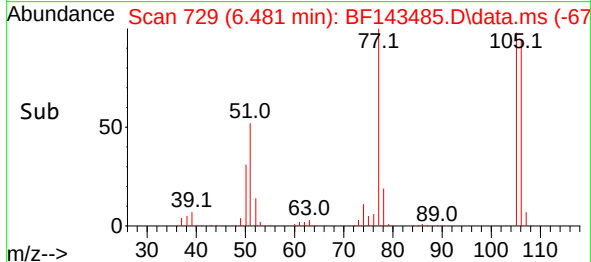
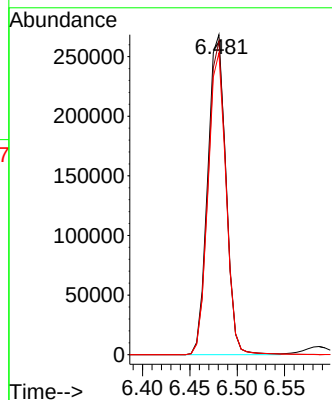
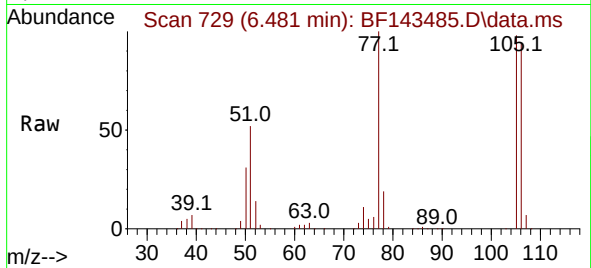




#9
Benzaldehyde
Concen: 42.346 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

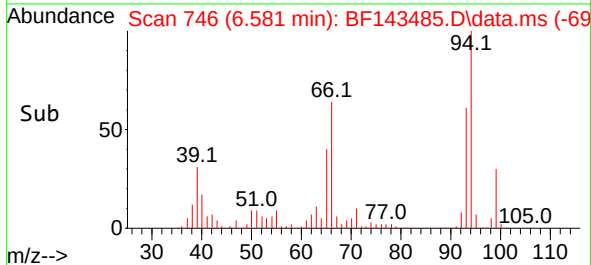
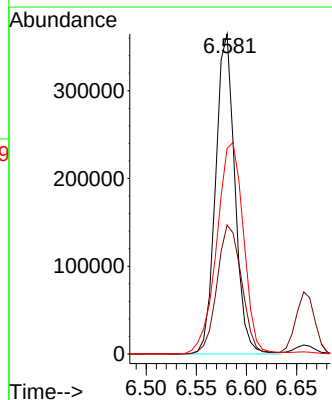
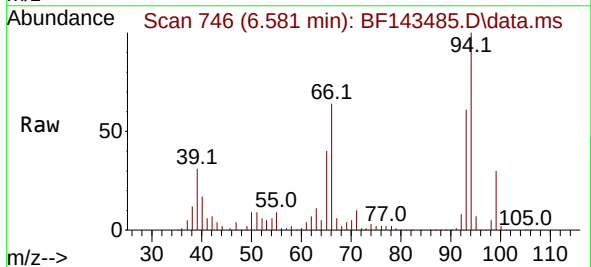
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

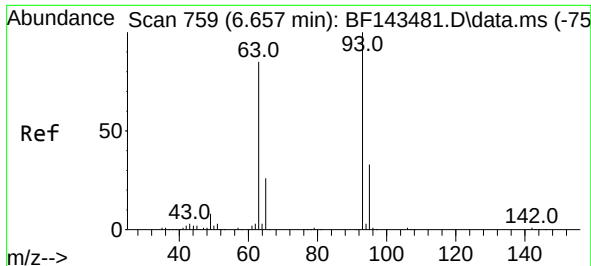
Tgt Ion: 77 Resp: 357456
Ion Ratio Lower Upper
77 100
105 97.9 78.1 118.1
106 94.3 74.9 114.9



#10
Phenol
Concen: 40.587 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 94 Resp: 487495
Ion Ratio Lower Upper
94 100
65 40.3 19.5 59.5
66 64.2 42.5 82.5

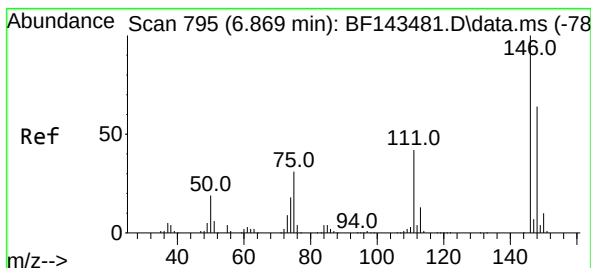
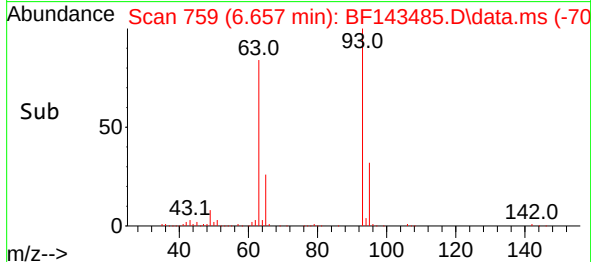
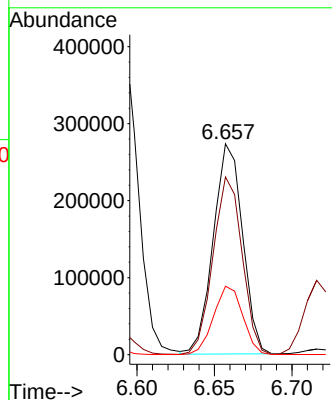
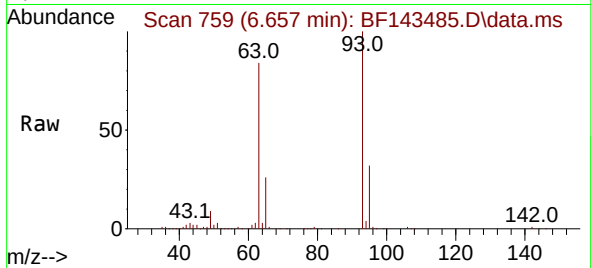




#11
bis(2-Chloroethyl)ether
Concen: 40.011 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

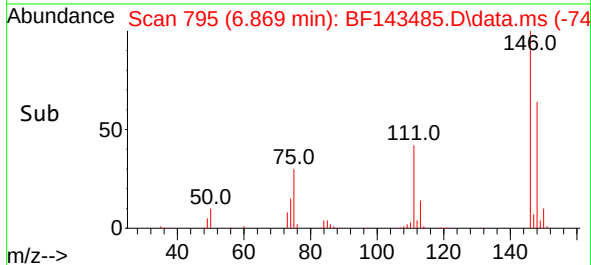
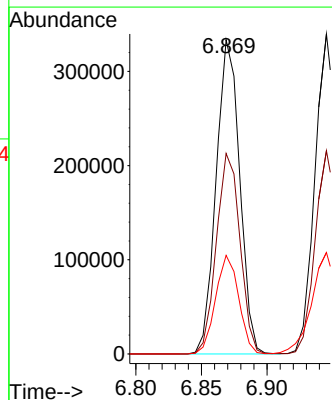
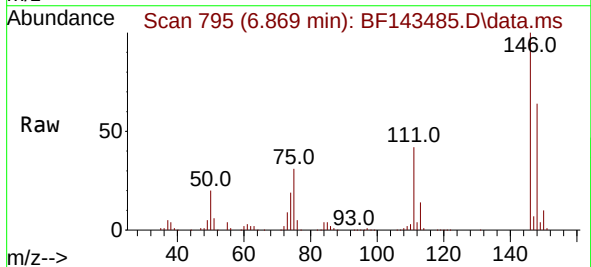
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

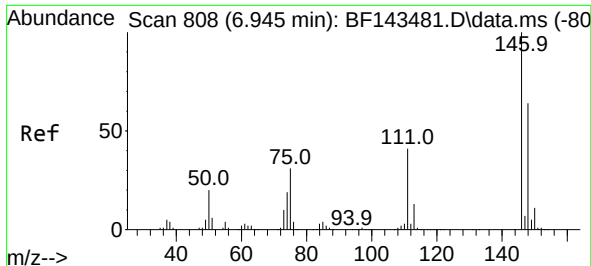
Tgt Ion: 93 Resp: 359124
Ion Ratio Lower Upper
93 100
63 84.4 63.6 103.6
95 32.5 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 39.721 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

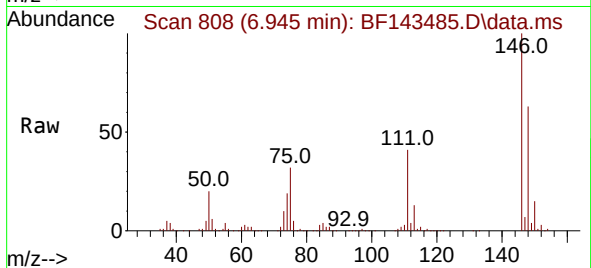
Tgt Ion:146 Resp: 416344
Ion Ratio Lower Upper
146 100
148 63.8 51.3 76.9
75 31.4 24.7 37.1



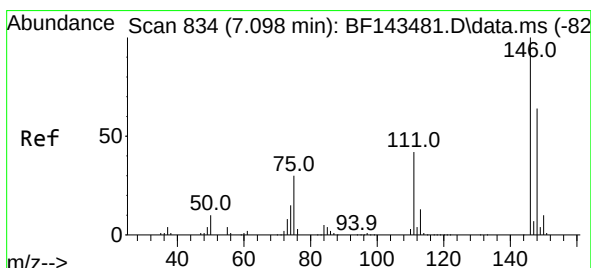
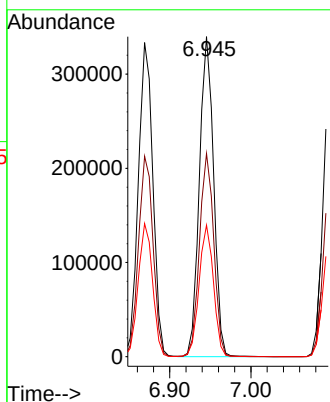
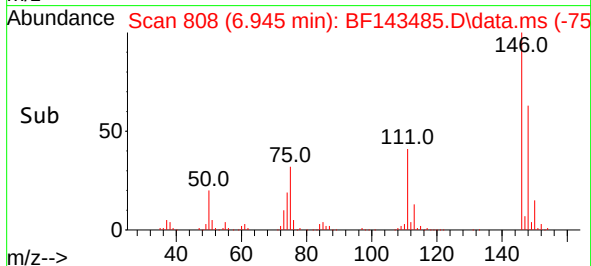


#13
1,4-Dichlorobenzene
Concen: 39.445 ng
RT: 6.945 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

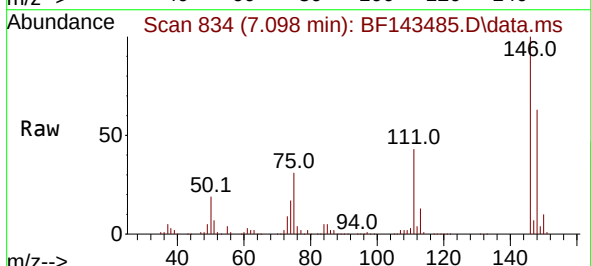
Instrument :
BNA_F
ClientSampleId :
ICVBF082025



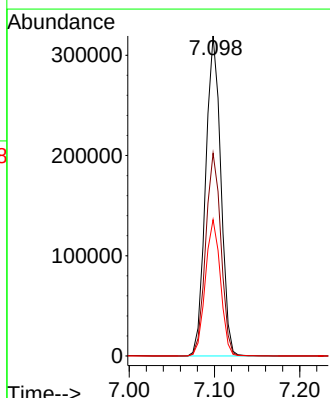
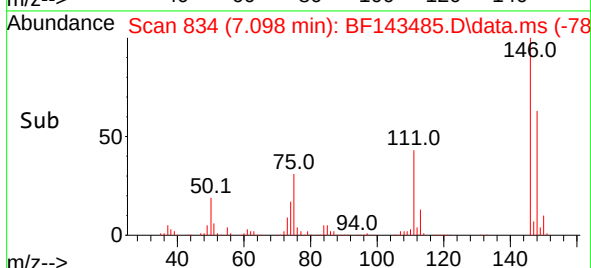
Tgt Ion:146 Resp: 414739
Ion Ratio Lower Upper
146 100
148 63.5 51.5 77.3
111 41.1 32.6 49.0

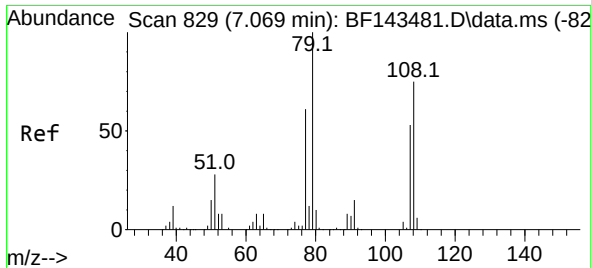


#14
1,2-Dichlorobenzene
Concen: 39.765 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16



Tgt Ion:146 Resp: 395851
Ion Ratio Lower Upper
146 100
148 63.4 51.0 76.6
111 42.6 34.0 51.0

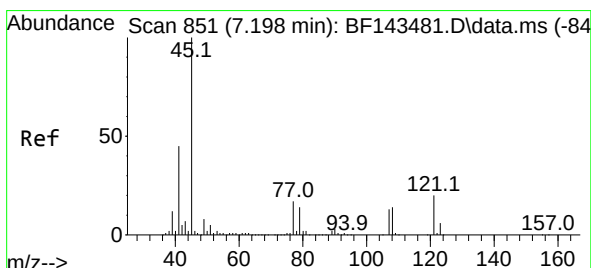
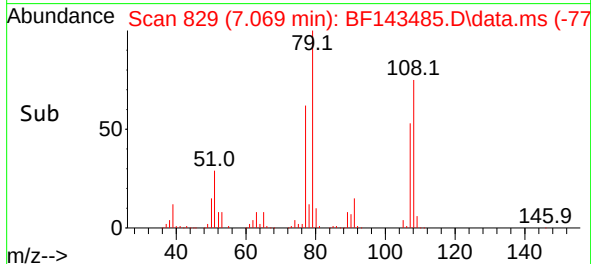
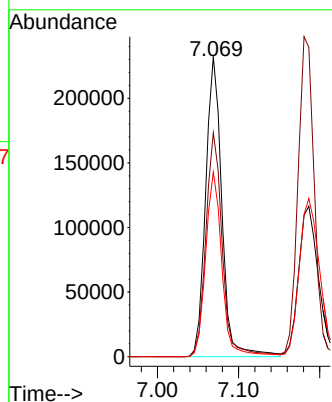
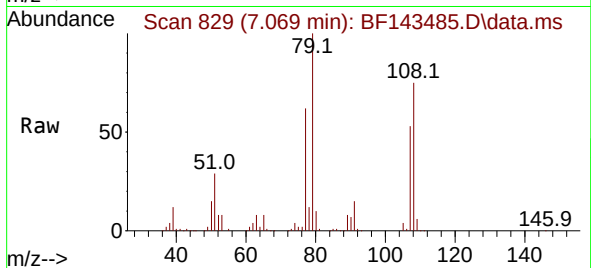




#15
Benzyl Alcohol
Concen: 41.185 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

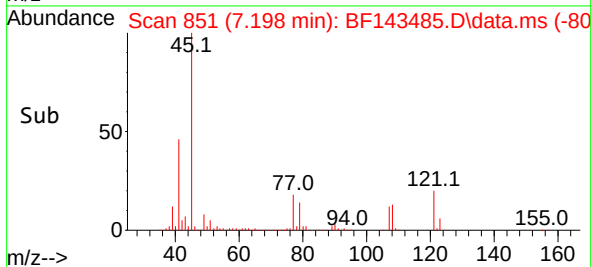
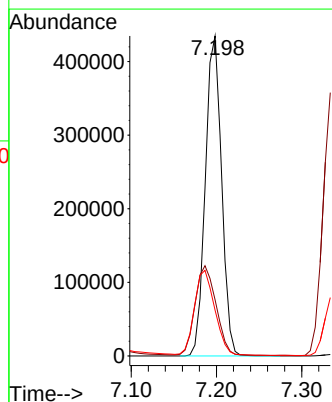
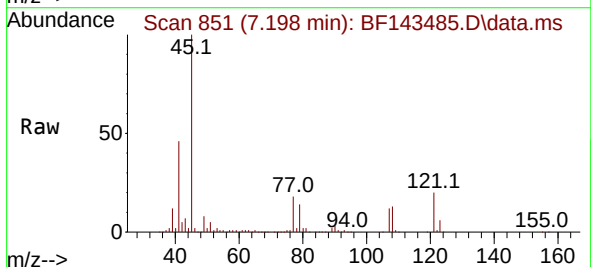
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

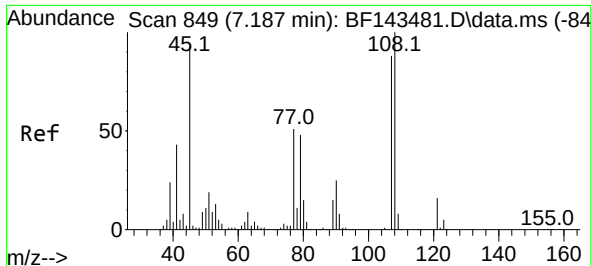
Tgt Ion:	79	Resp:	321497
Ion	Ratio	Lower	Upper
79	100		
108	74.6	59.8	89.6
77	61.6	49.0	73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.039 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:	45	Resp:	574948
Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.9
79	14.3	0.0	34.7

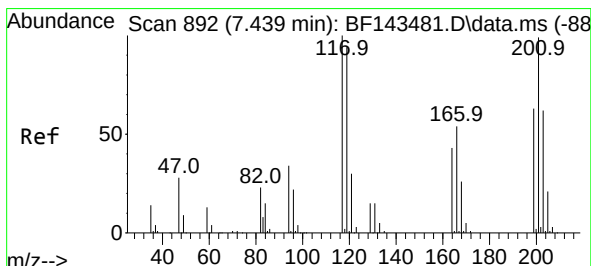
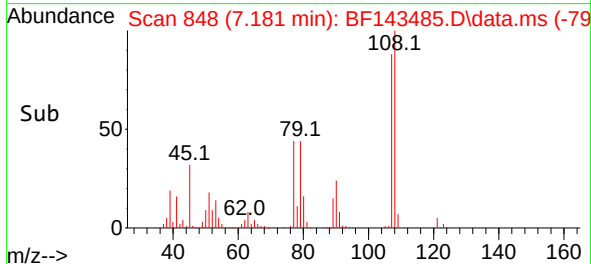
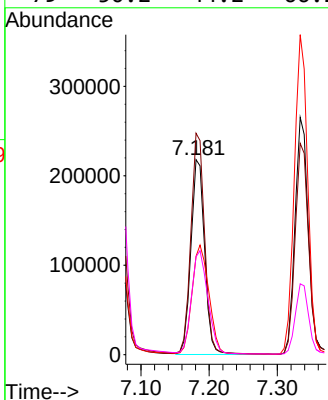
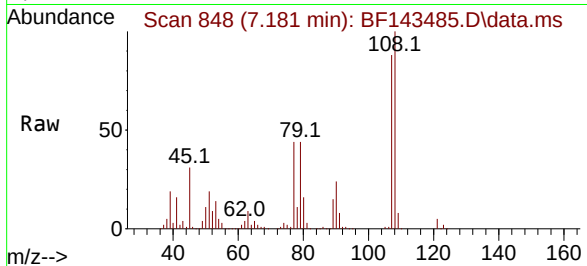




#17
2-Methylphenol
Concen: 40.687 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

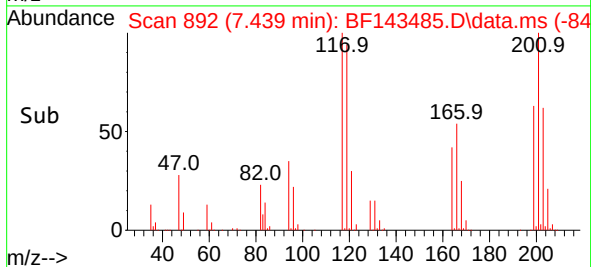
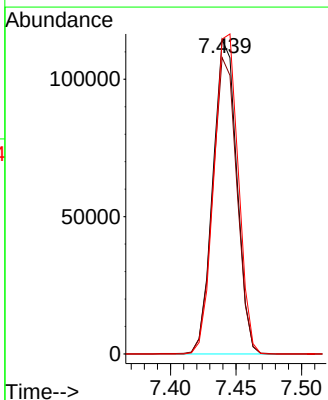
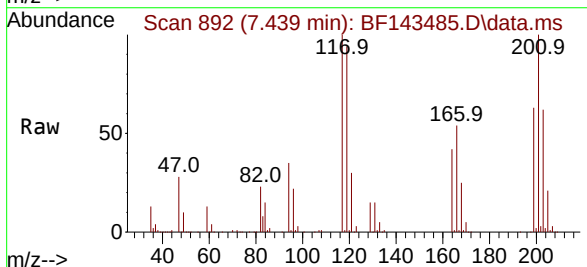
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

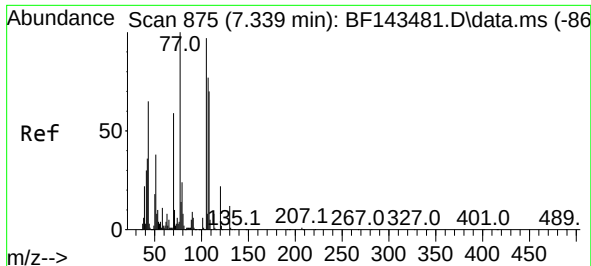
Tgt Ion:107	Resp: 304639
Ion Ratio	Lower Upper
107 100	
108 113.6	91.1 136.7
77 50.5	46.2 69.4
79 50.2	44.2 66.2



#18
Hexachloroethane
Concen: 40.592 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:117	Resp:	145111	
Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
201	100.1	79.0	118.4



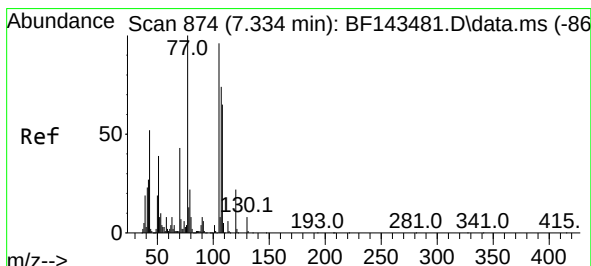
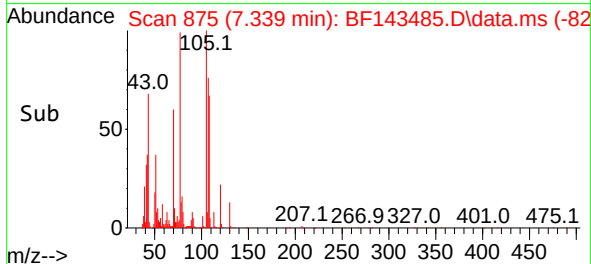
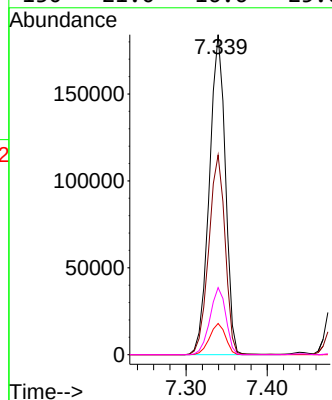
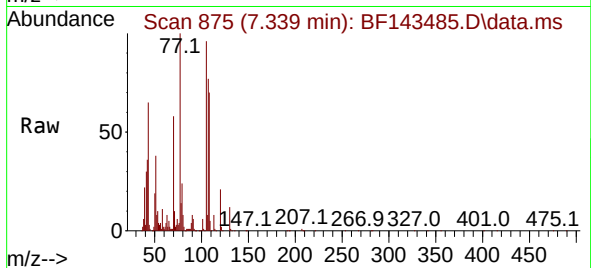


#19
n-Nitroso-di-n-propylamine
Concen: 39.547 ng
RT: 7.339 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 70 Resp: 252025

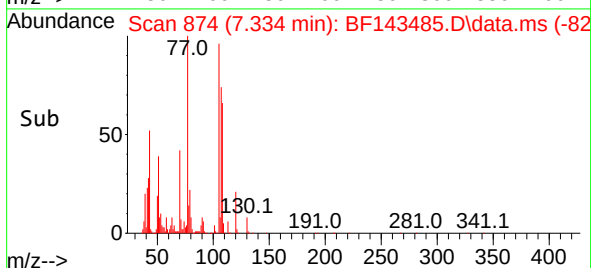
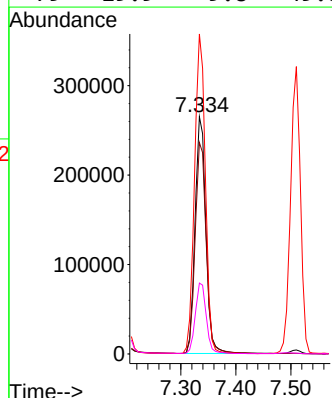
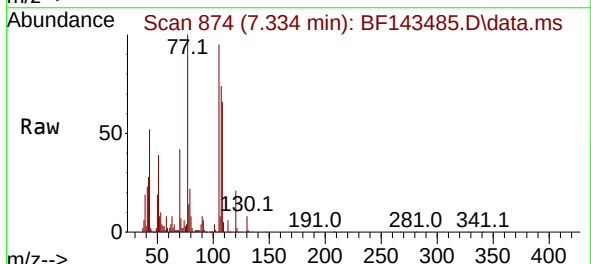
Ion	Ratio	Lower	Upper
70	100		
42	62.4	49.3	73.9
101	9.8	7.8	11.8
130	21.0	16.6	25.0

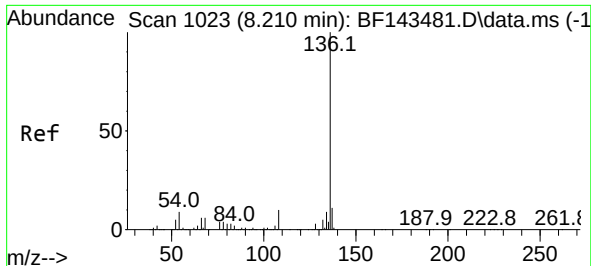


#20
3+4-Methylphenols
Concen: 40.559 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 107 Resp: 362521

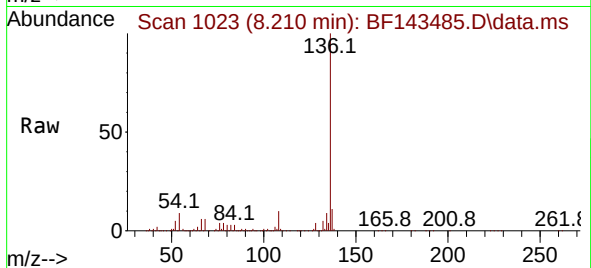
Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.4	108.4
77	134.8	116.1	156.1
79	29.9	9.8	49.8



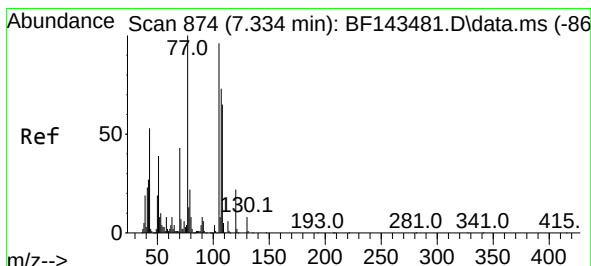
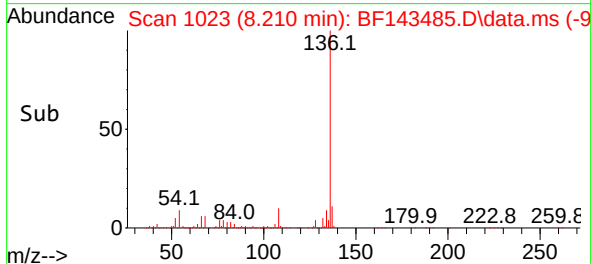
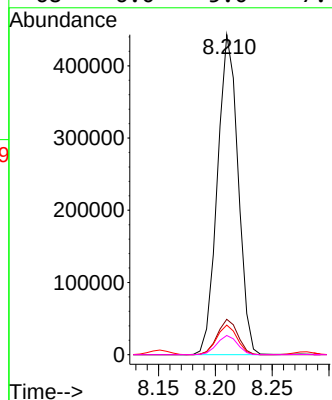


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

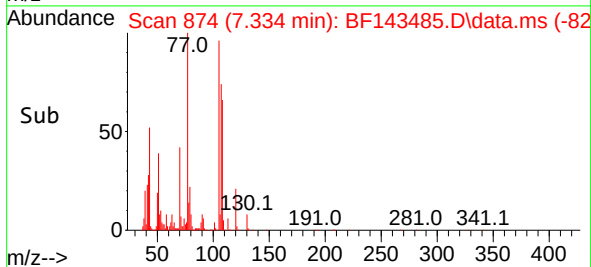
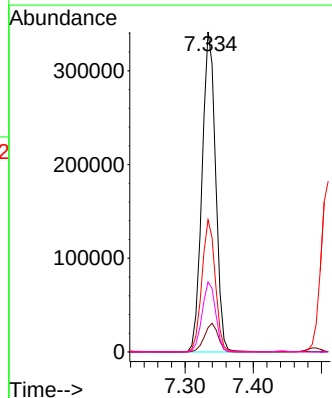
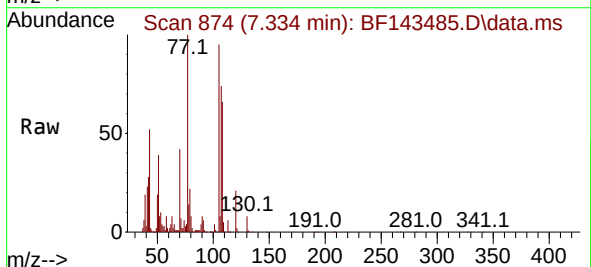


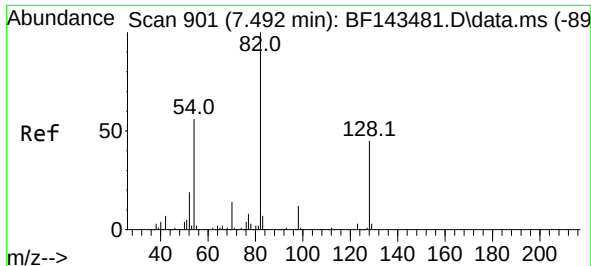
Tgt Ion:	136	Resp:	560799
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	9.3	7.4	11.2
68	6.0	5.0	7.4



#22
Acetophenone
Concen: 38.990 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:	105	Resp:	472388
Ion Ratio	Lower	Upper	
105	100		
71	7.6	5.9	8.9
51	41.3	32.5	48.7
120	21.9	18.0	27.0





#23

Nitrobenzene-d5

Concen: 80.608 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

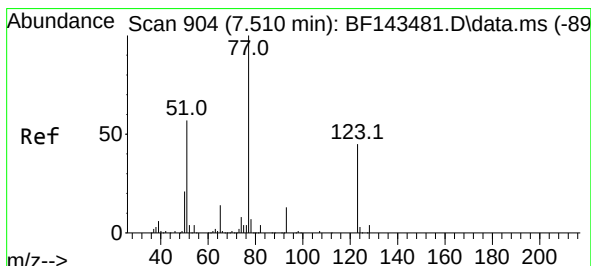
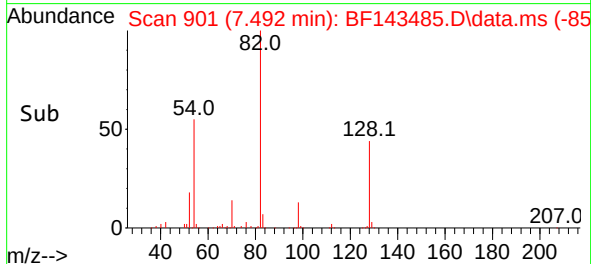
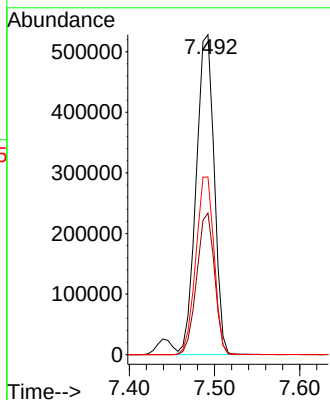
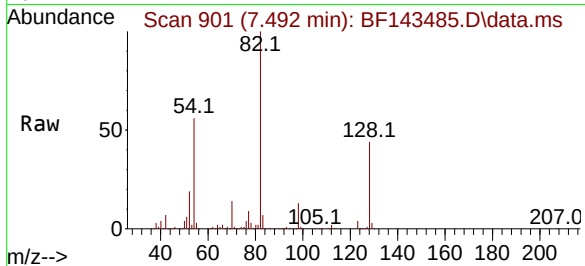
Tgt Ion: 82 Resp: 774657

Ion Ratio Lower Upper

82 100

128 44.3 35.5 53.3

54 55.6 44.3 66.5



#24

Nitrobenzene

Concen: 40.579 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

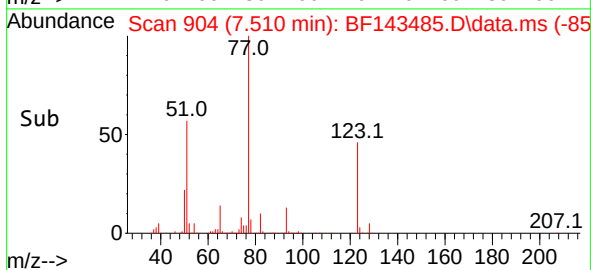
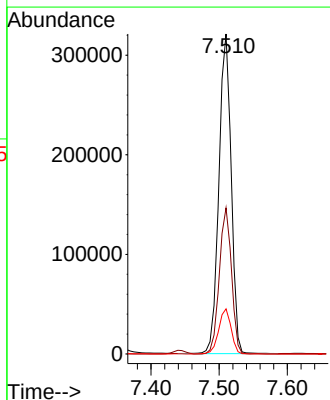
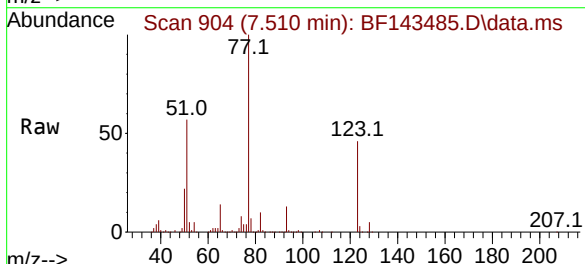
Tgt Ion: 77 Resp: 401365

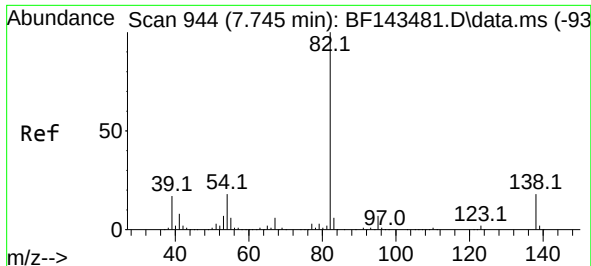
Ion Ratio Lower Upper

77 100

123 45.7 36.1 54.1

65 14.1 11.0 16.6

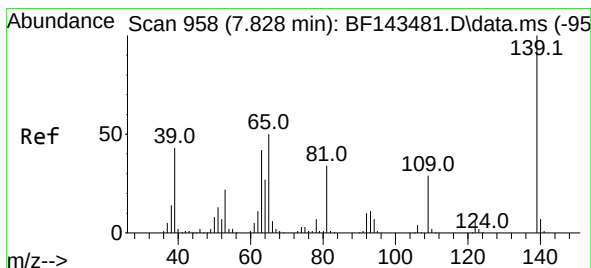
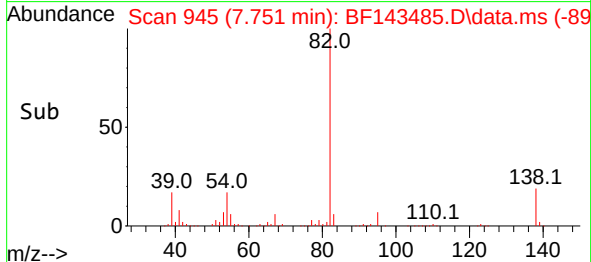
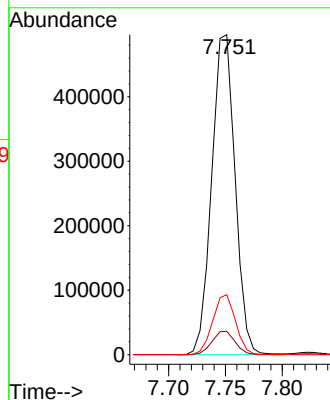
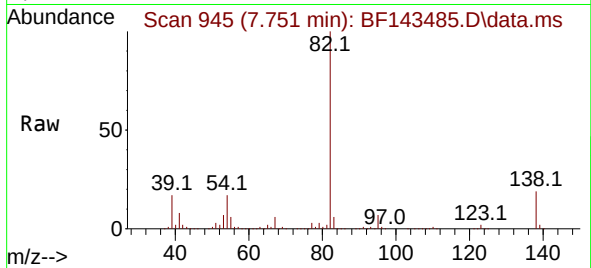




#25
Isophorone
Concen: 40.343 ng
RT: 7.751 min Scan# 944
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

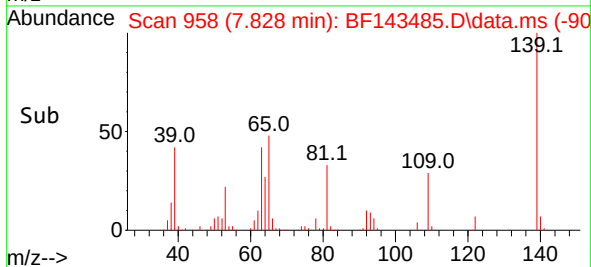
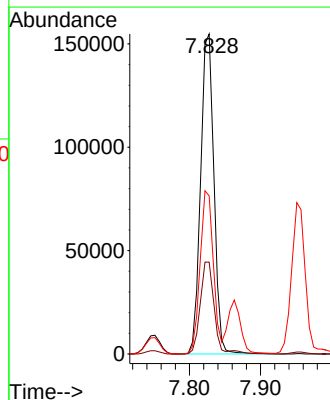
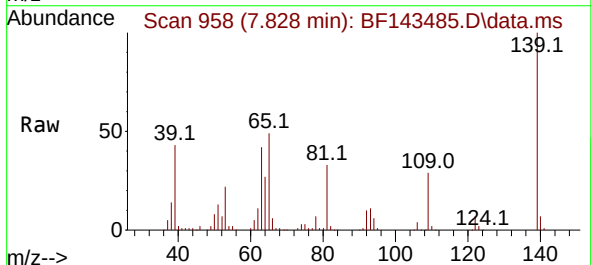
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

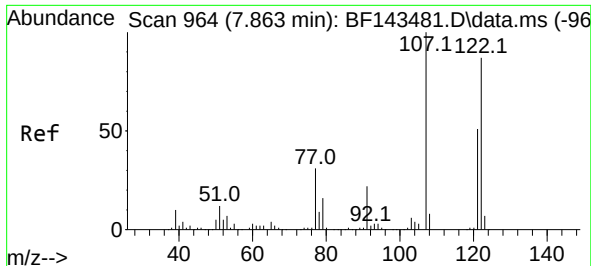
Tgt Ion: 82 Resp: 710700
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 18.8 14.2 21.4



#26
2-Nitrophenol
Concen: 41.747 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 139 Resp: 202267
Ion Ratio Lower Upper
139 100
109 28.7 23.0 34.6
65 49.4 40.3 60.5

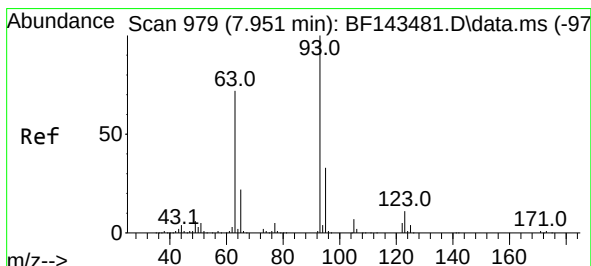
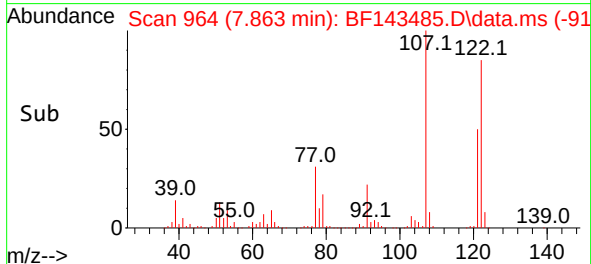
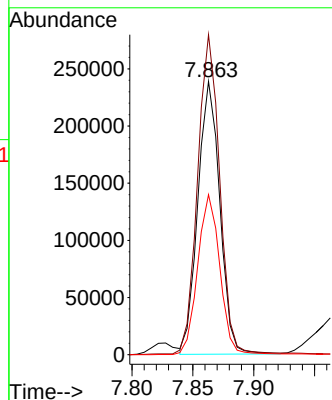
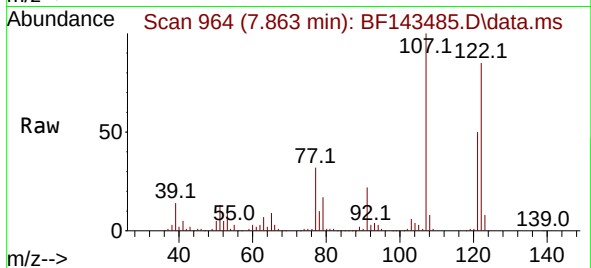




#27
2,4-Dimethylphenol
Concen: 39.655 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

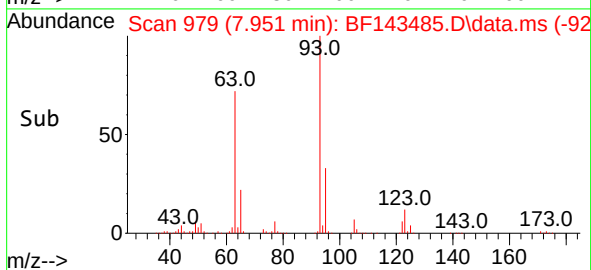
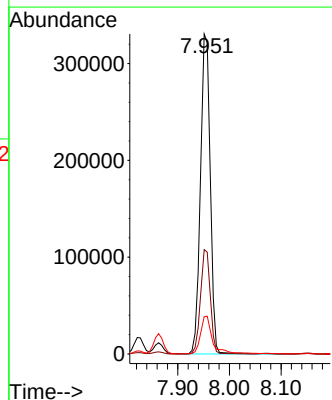
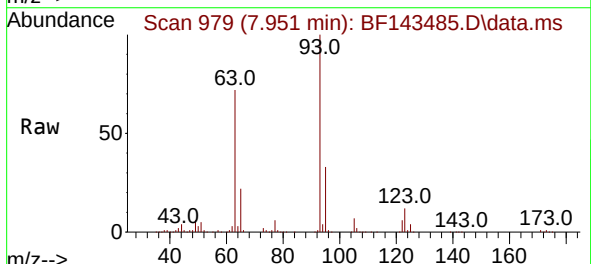
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

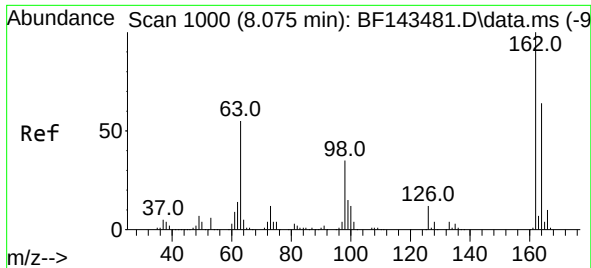
Tgt Ion:122 Resp: 299505
Ion Ratio Lower Upper
122 100
107 117.1 91.5 137.3
121 58.6 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 40.210 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 93 Resp: 435322
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.217 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

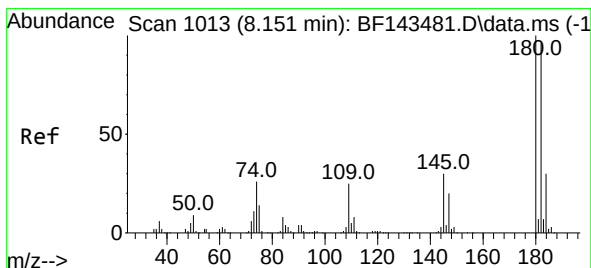
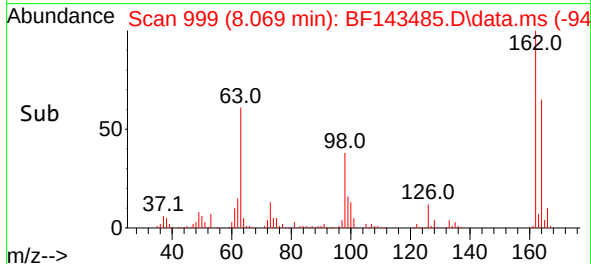
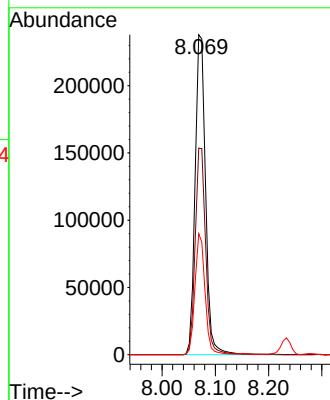
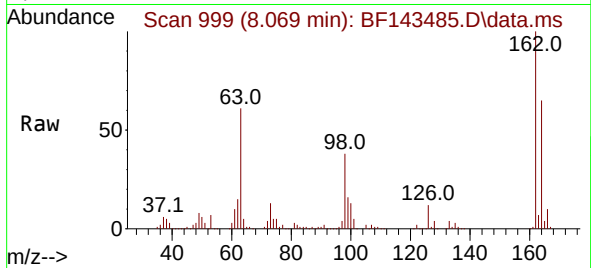
Tgt Ion:162 Resp: 324407

Ion Ratio Lower Upper

162 100

164 64.6 43.5 83.5

98 37.8 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 39.404 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

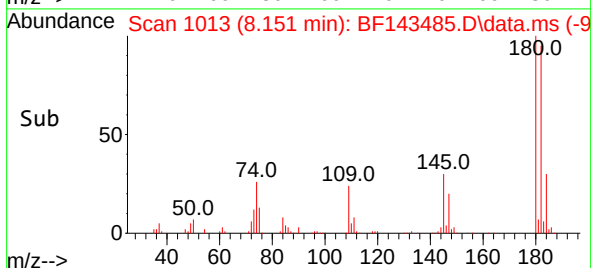
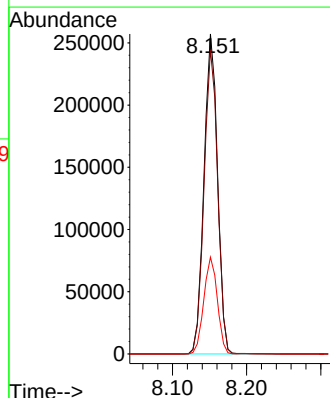
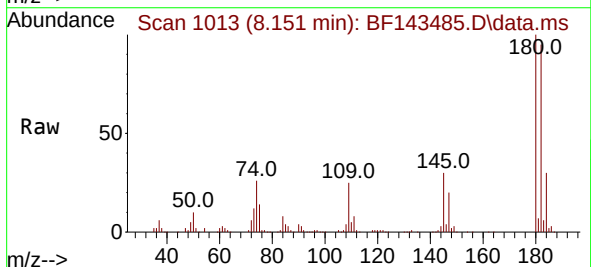
Tgt Ion:180 Resp: 326797

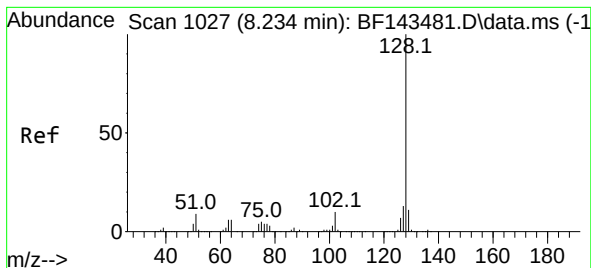
Ion Ratio Lower Upper

180 100

182 95.0 76.6 114.8

145 30.3 24.3 36.5





#31

Naphthalene

Concen: 39.033 ng

RT: 8.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

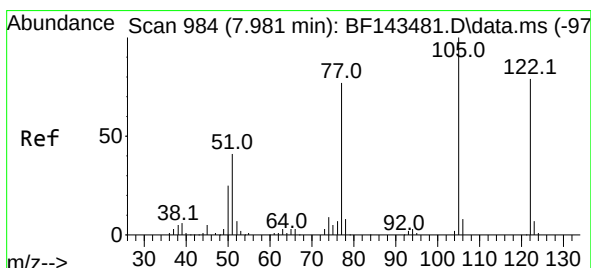
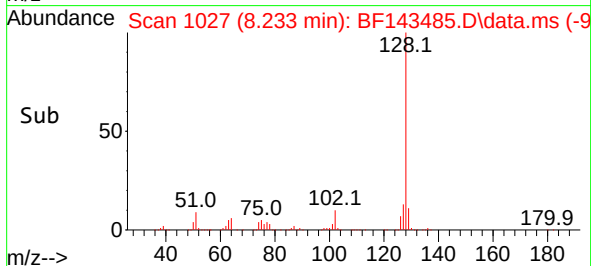
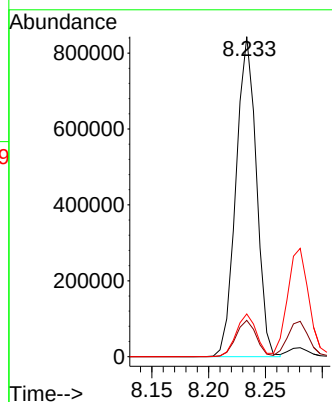
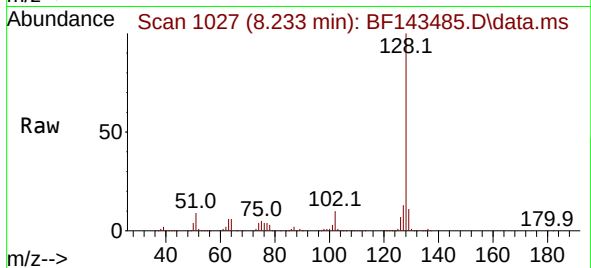
Tgt Ion:128 Resp: 1050936

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 41.489 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.024 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

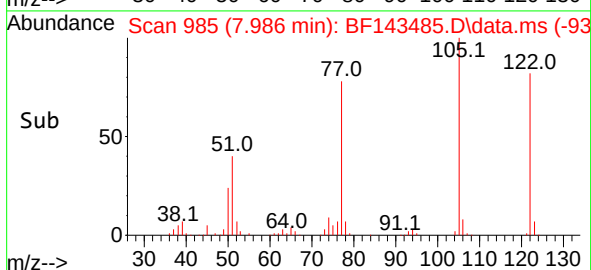
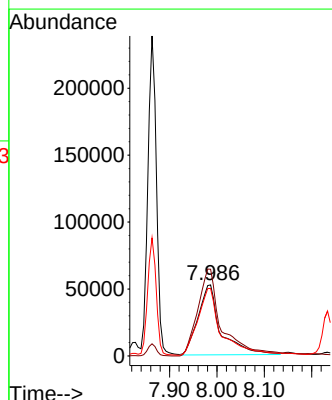
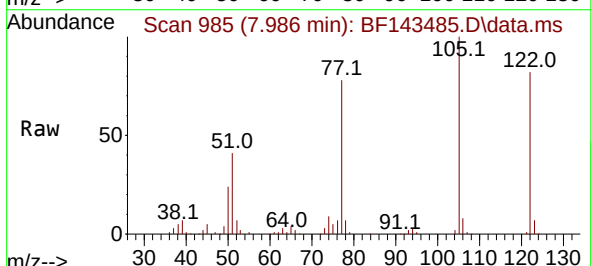
Tgt Ion:122 Resp: 174224

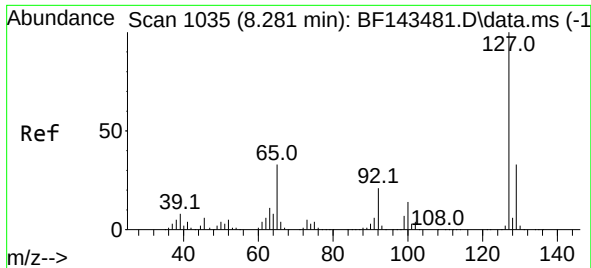
Ion Ratio Lower Upper

122 100

105 122.1 104.7 144.7

77 95.0 77.3 117.3

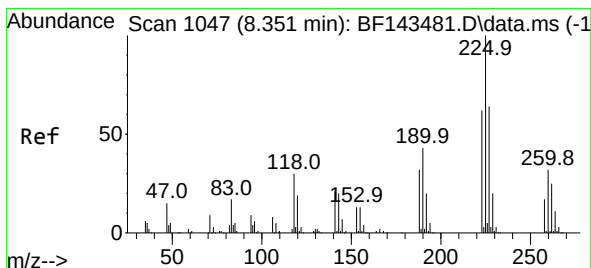
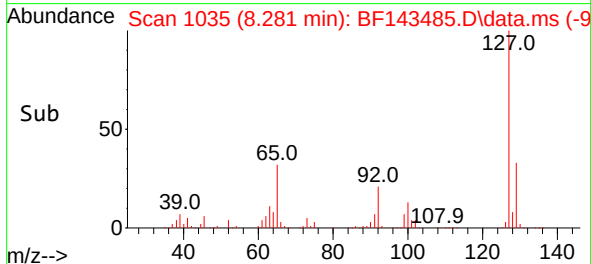
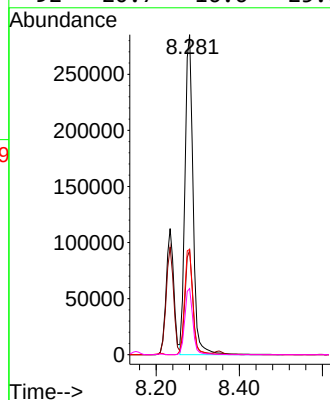
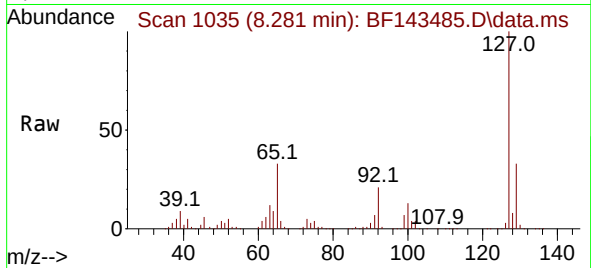




#33
4-Chloroaniline
Concen: 40.234 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

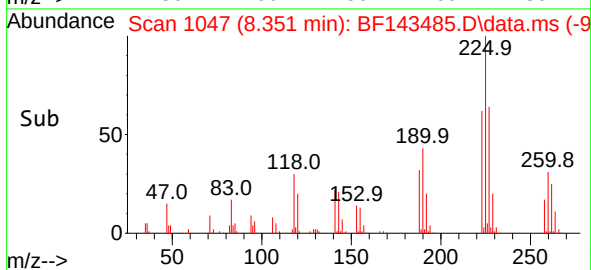
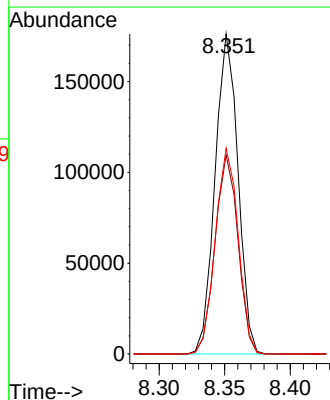
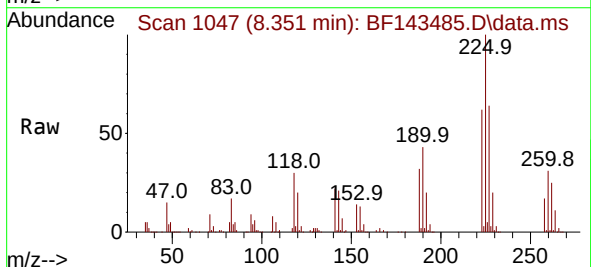
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

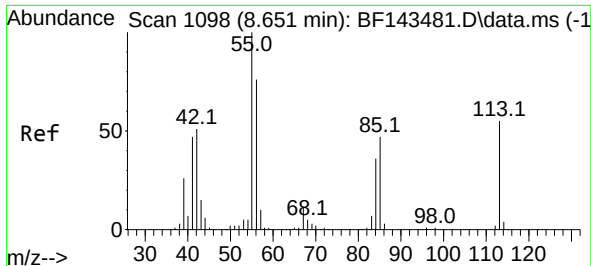
Tgt Ion:127	Resp: 384473
Ion Ratio	Lower Upper
127 100	
129 32.6	26.1 39.1
65 32.9	26.2 39.2
92 20.7	16.6 25.0



#34
Hexachlorobutadiene
Concen: 39.523 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt	Ion:225	Resp:	213848
Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.9	74.9
227	64.2	50.9	76.3

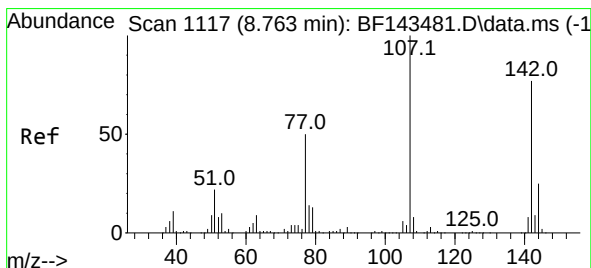
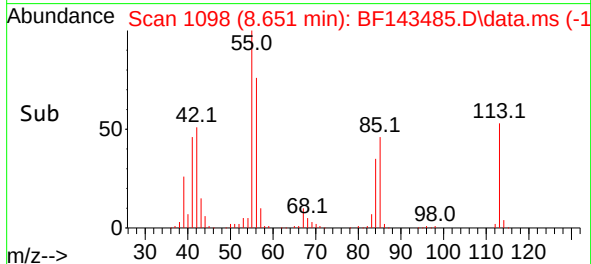
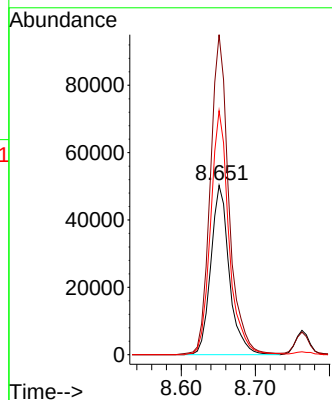
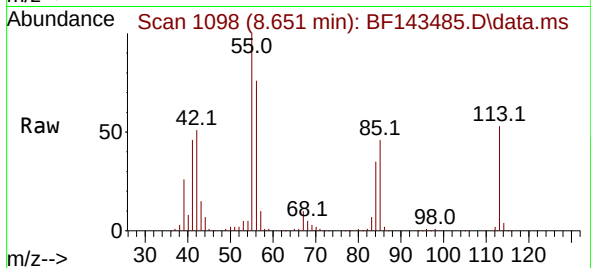




#35
 Caprolactam
 Concen: 44.838 ng
 RT: 8.651 min Scan# 1109
 Delta R.T. -0.024 min
 Lab File: BF143485.D
 Acq: 20 Aug 2025 15:16

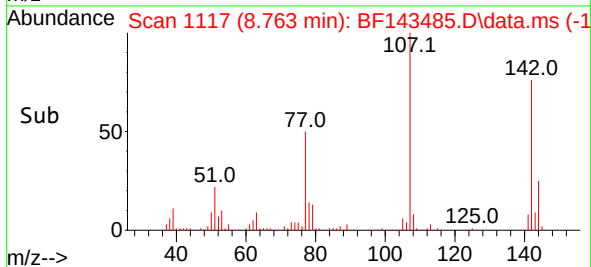
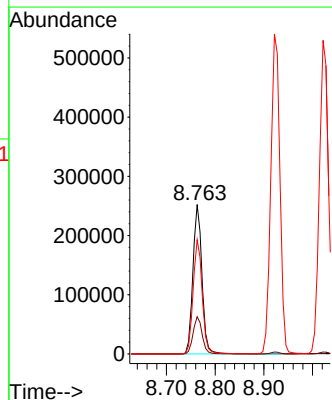
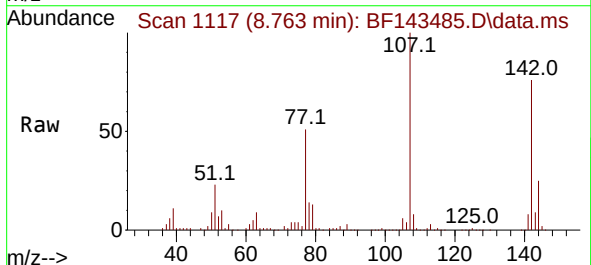
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF082025

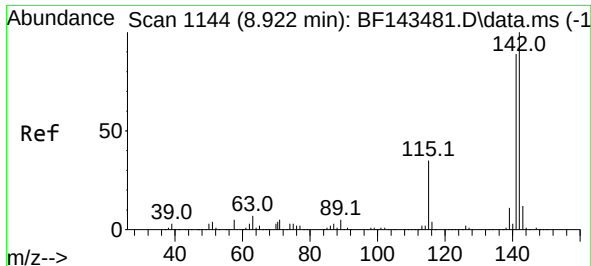
Tgt Ion:113 Resp: 86788
 Ion Ratio Lower Upper
 113 100
 55 188.9 162.8 202.8
 56 144.0 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 40.569 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143485.D
 Acq: 20 Aug 2025 15:16

Tgt Ion:107 Resp: 327951
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.9 29.9
 142 76.5 61.8 92.8

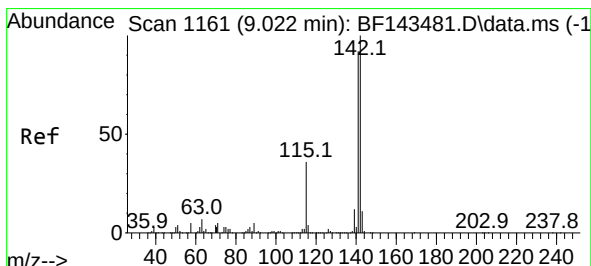
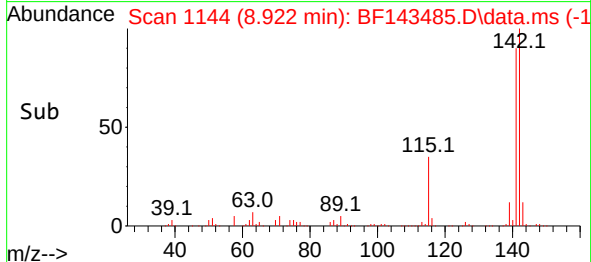
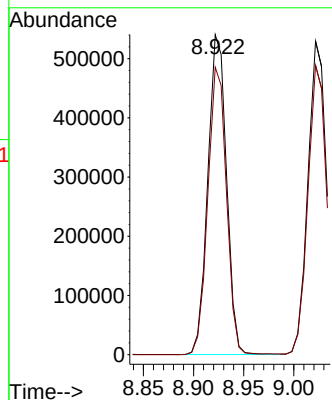
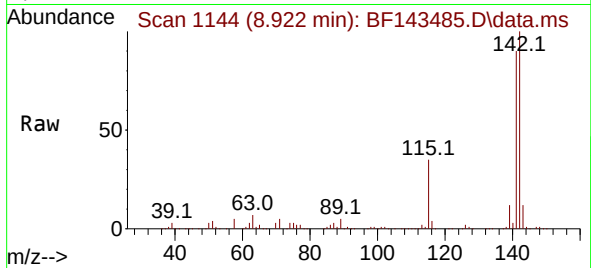




#37
2-Methylnaphthalene
Concen: 38.877 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

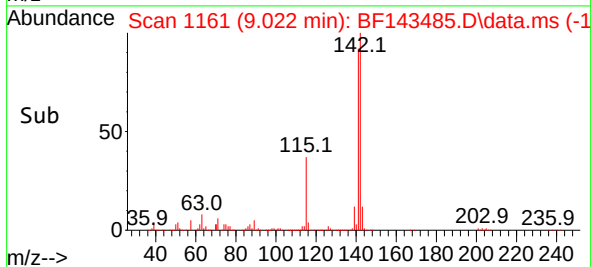
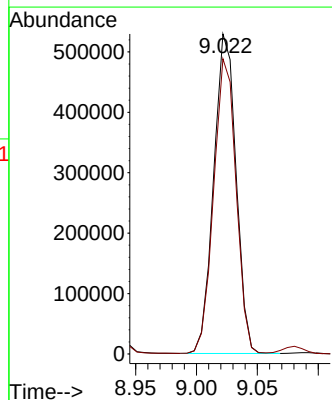
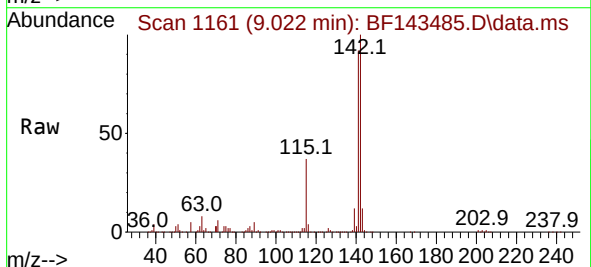
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

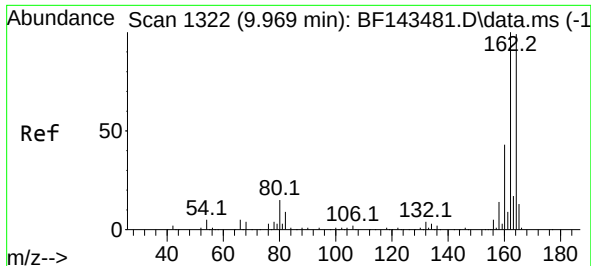
Tgt Ion:142 Resp: 699087
Ion Ratio Lower Upper
142 100
141 89.8 71.0 106.4



#38
1-Methylnaphthalene
Concen: 39.260 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:142 Resp: 675310
Ion Ratio Lower Upper
142 100
141 92.3 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

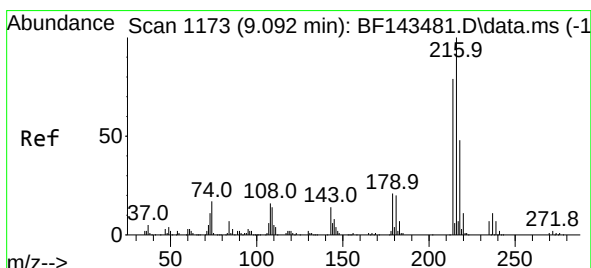
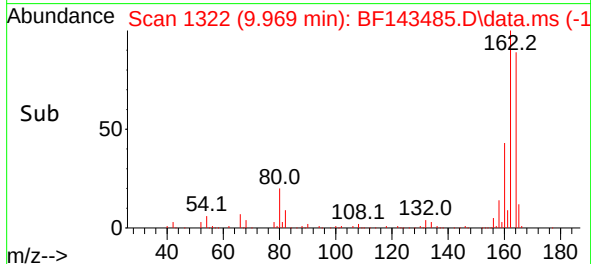
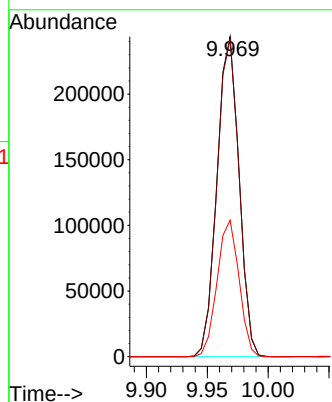
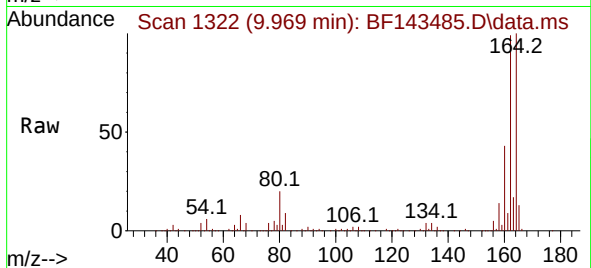
Tgt Ion:164 Resp: 307376

Ion Ratio Lower Upper

164 100

162 99.2 80.5 120.7

160 42.7 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.786 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Tgt Ion:216 Resp: 341006

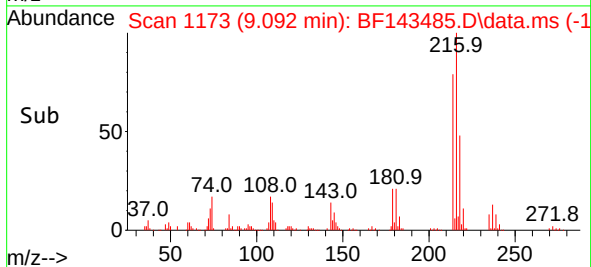
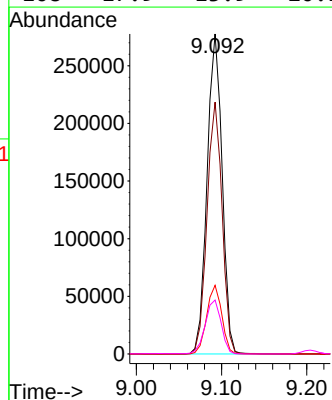
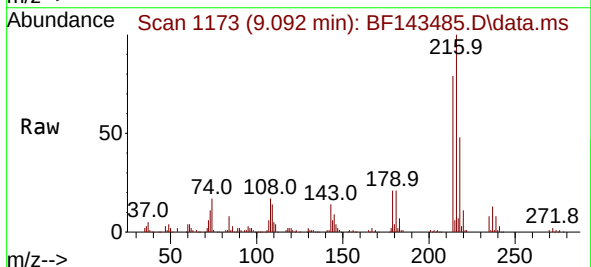
Ion Ratio Lower Upper

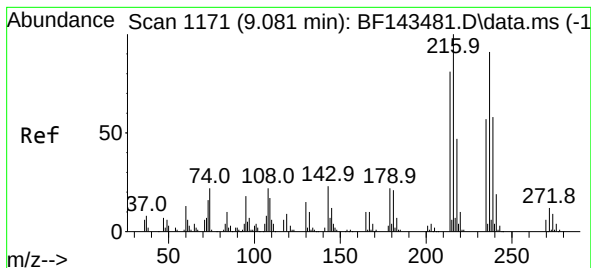
216 100

214 78.7 63.4 95.0

179 21.5 16.5 24.7

108 17.9 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 39.756 ng

RT: 9.080 min Scan# 1171

Delta R.T. -0.001 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

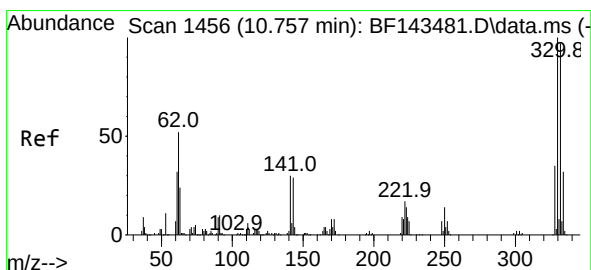
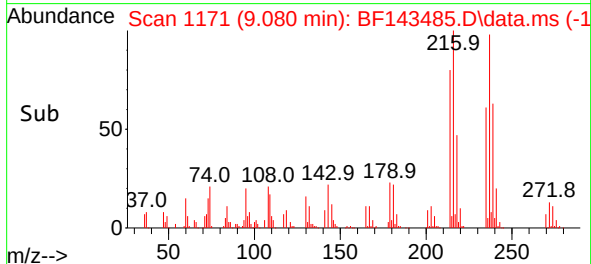
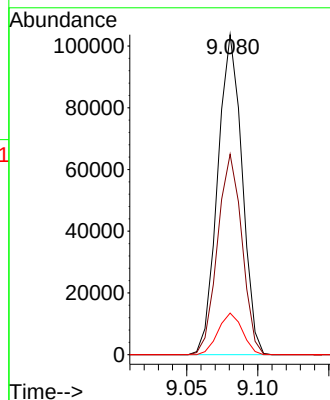
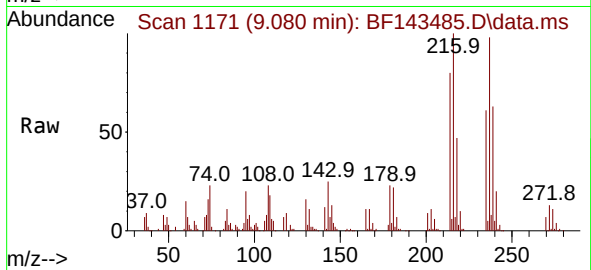
Tgt Ion:237 Resp: 123767

Ion Ratio Lower Upper

237 100

235 62.7 42.6 82.6

272 13.0 0.0 33.4



#42

2,4,6-Tribromophenol

Concen: 80.753 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

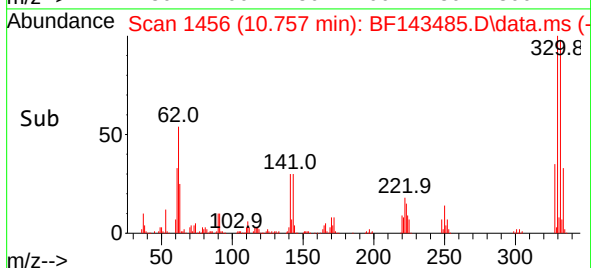
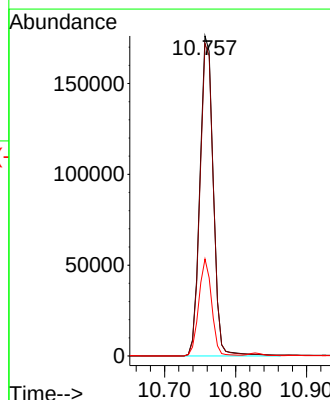
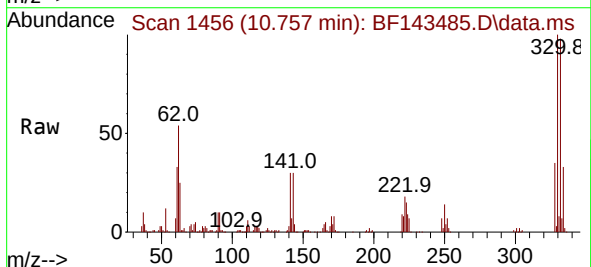
Tgt Ion:330 Resp: 231053

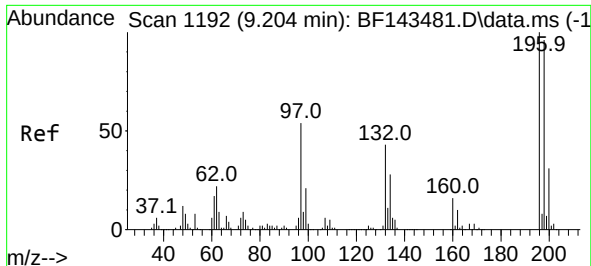
Ion Ratio Lower Upper

330 100

332 97.7 78.0 117.0

141 29.3 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 41.105 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

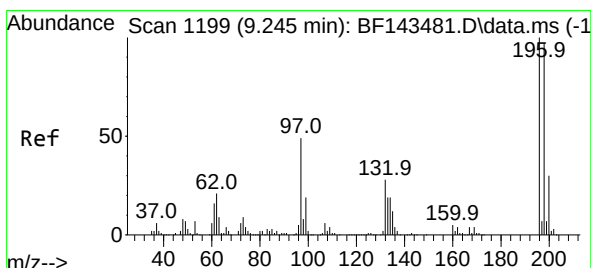
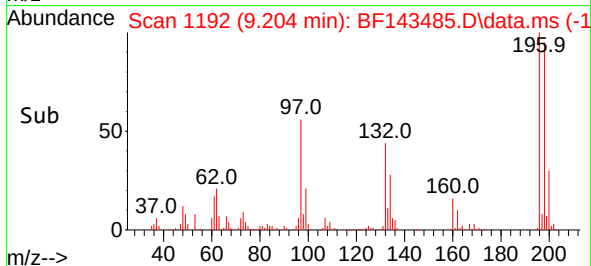
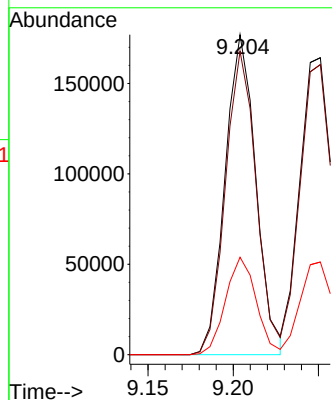
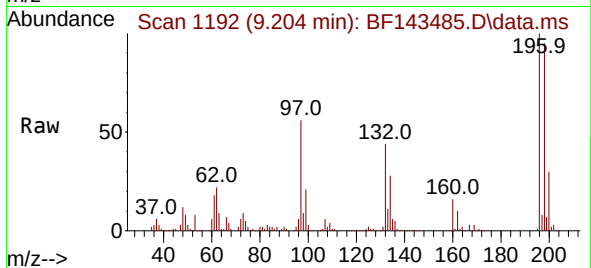
Tgt Ion:196 Resp: 222378

Ion Ratio Lower Upper

196 100

198 94.8 77.0 115.4

200 30.4 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 39.178 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Tgt Ion:196 Resp: 231521

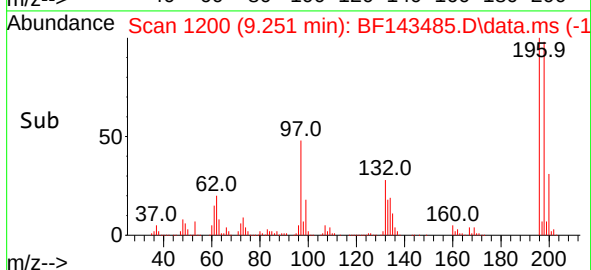
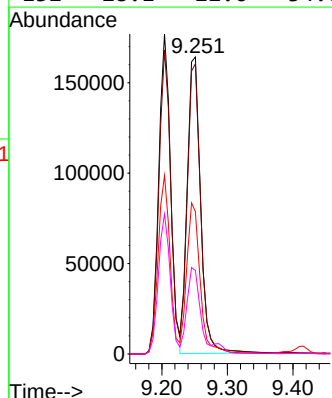
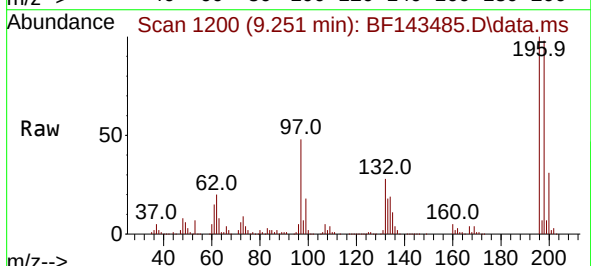
Ion Ratio Lower Upper

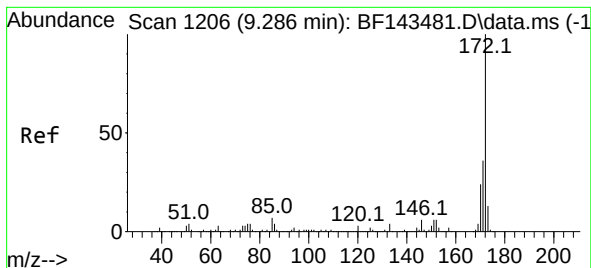
196 100

198 97.7 77.3 115.9

97 47.9 40.0 60.0

132 28.1 22.6 34.0

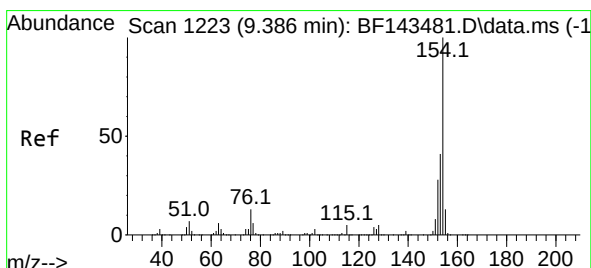
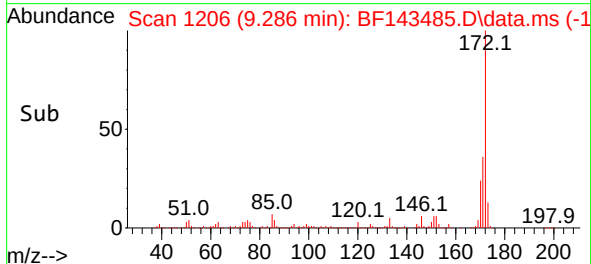
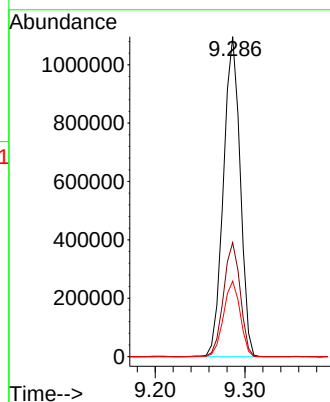
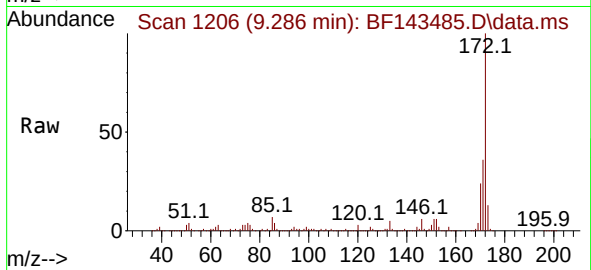




#45
2-Fluorobiphenyl
Concen: 76.290 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

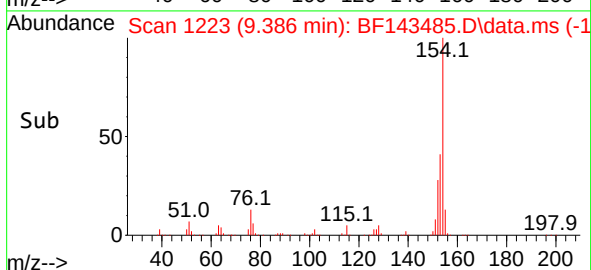
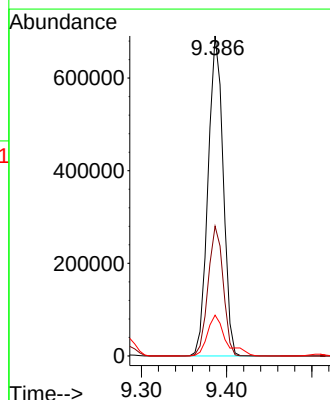
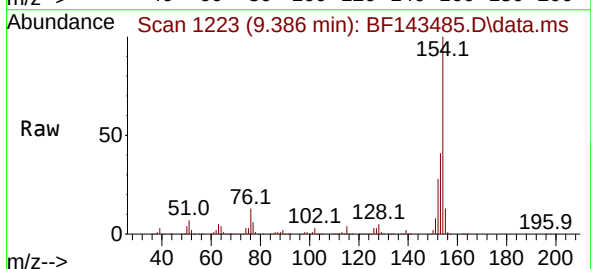
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

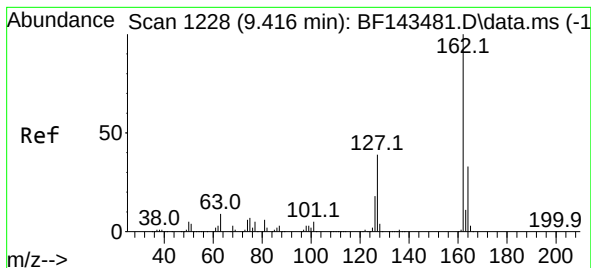
Tgt Ion:172 Resp: 1418903
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.6 18.8 28.2



#46
1,1'-Biphenyl
Concen: 38.997 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:154 Resp: 850787
Ion Ratio Lower Upper
154 100
153 40.5 20.6 60.6
76 12.8 0.0 33.0





#47

2-Chloronaphthalene

Concen: 39.068 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

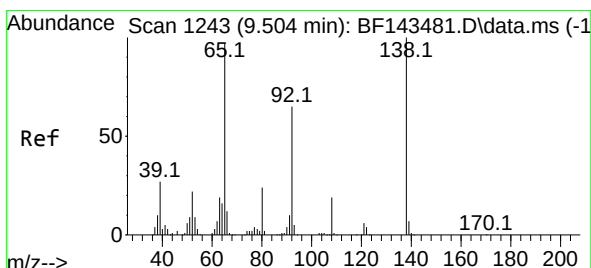
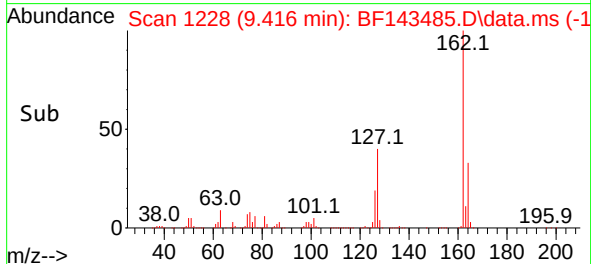
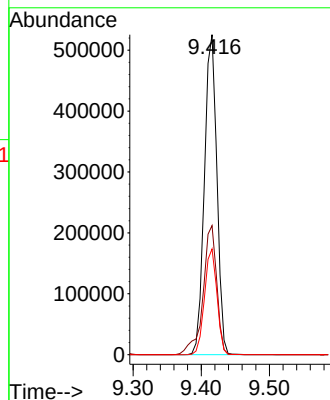
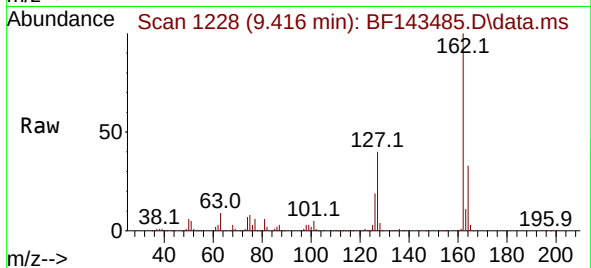
Tgt Ion:162 Resp: 668760

Ion Ratio Lower Upper

162 100

127 40.4 31.8 47.6

164 33.0 26.4 39.6



#48

2-Nitroaniline

Concen: 41.861 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

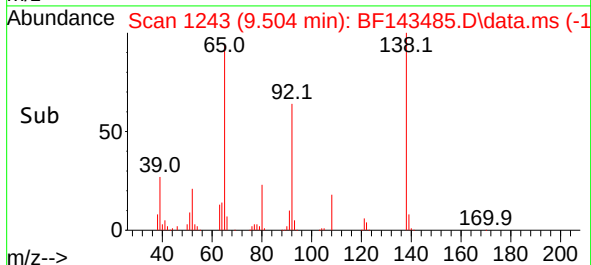
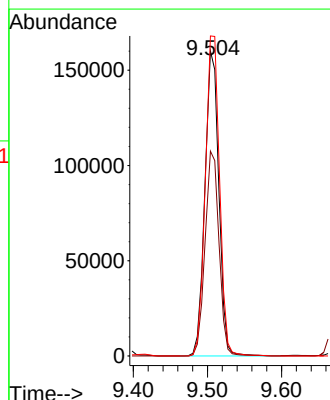
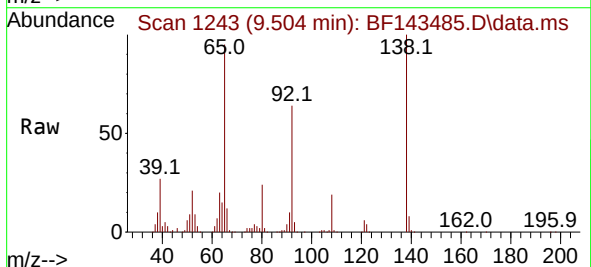
Tgt Ion: 65 Resp: 209716

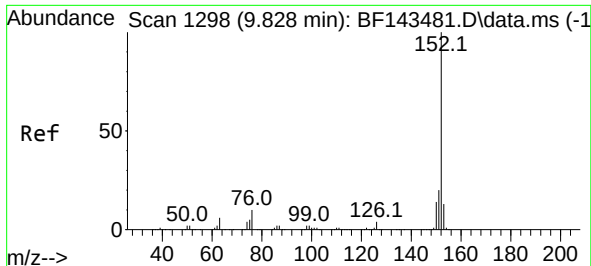
Ion Ratio Lower Upper

65 100

92 67.1 53.8 80.6

138 104.9 82.4 123.6





#49

Acenaphthylene

Concen: 39.557 ng

RT: 9.827 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

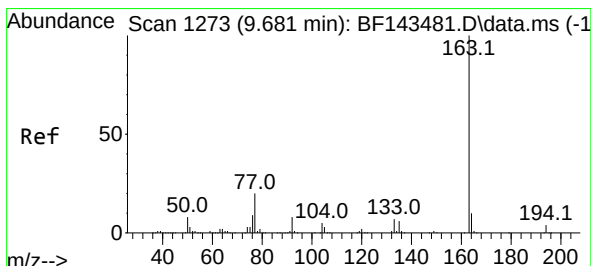
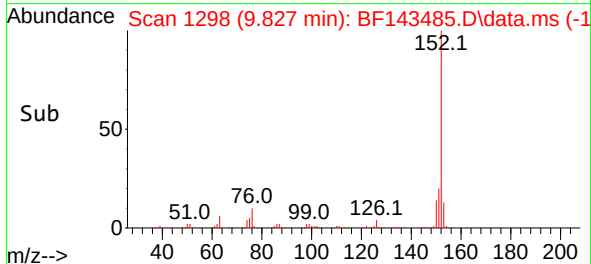
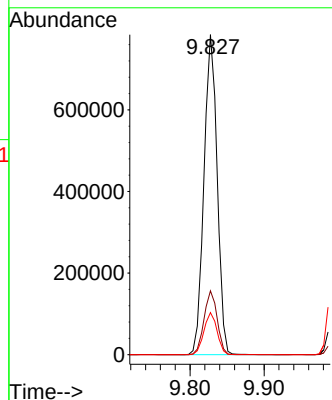
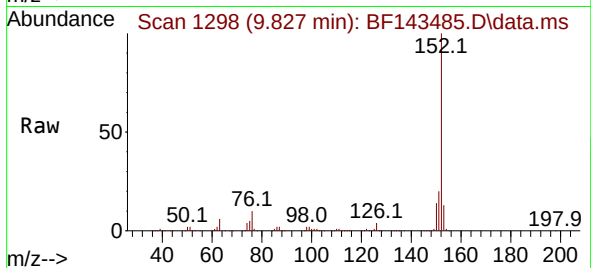
Tgt Ion:152 Resp: 969574

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 40.935 ng

RT: 9.680 min Scan# 1273

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

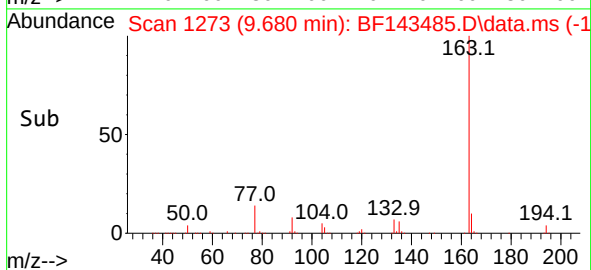
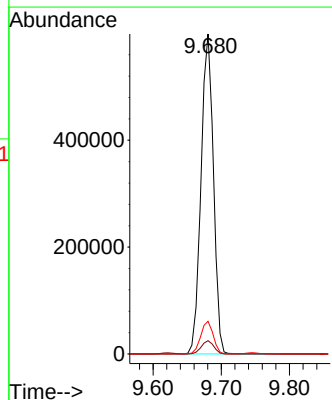
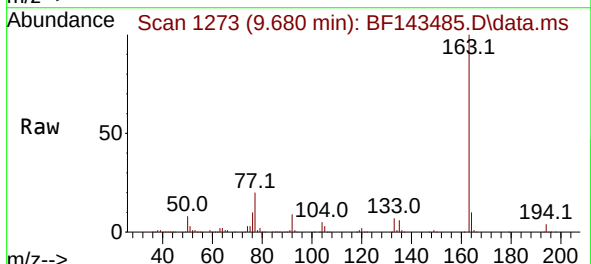
Tgt Ion:163 Resp: 757804

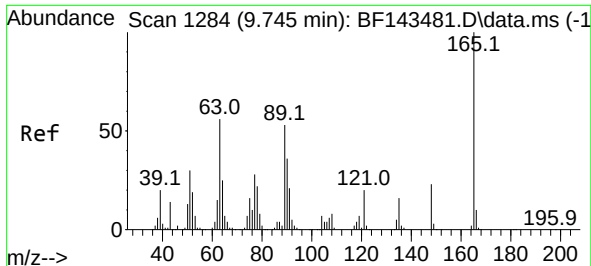
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.2 8.2 12.2

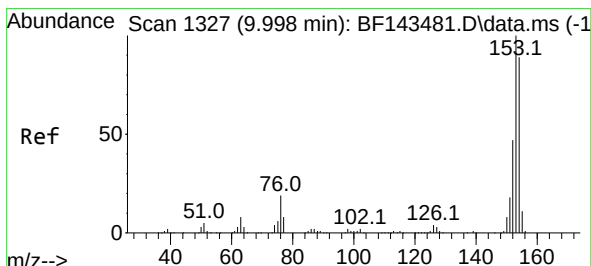
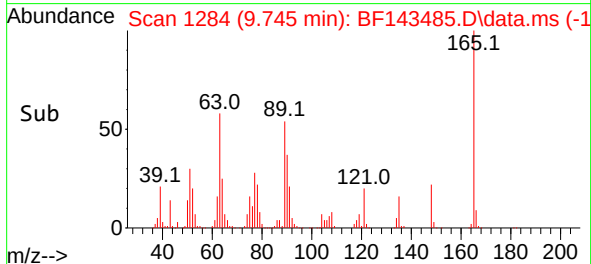
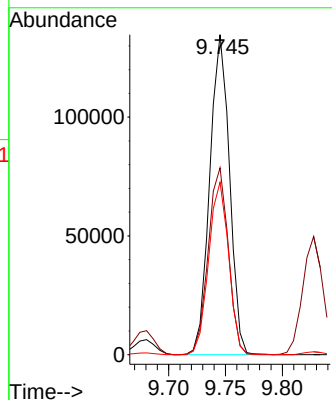
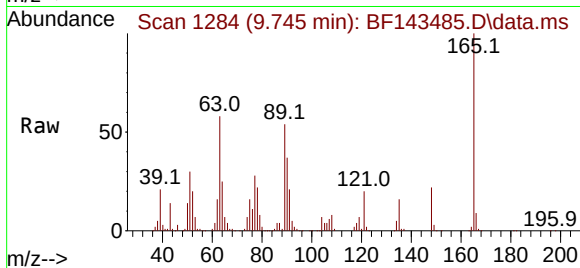




#51
2,6-Dinitrotoluene
Concen: 42.459 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

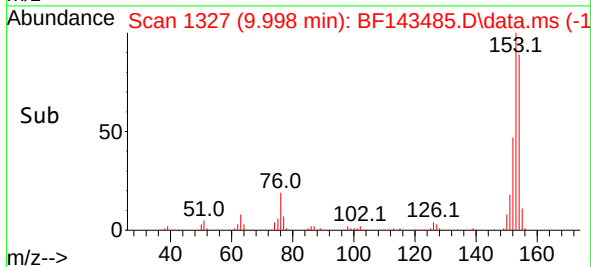
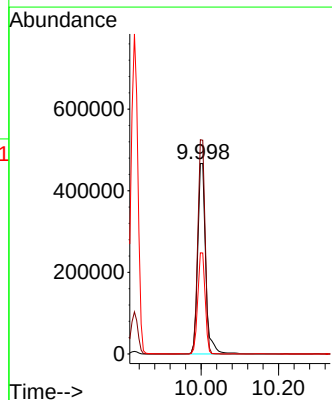
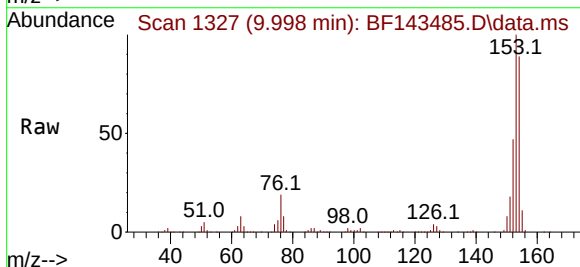
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

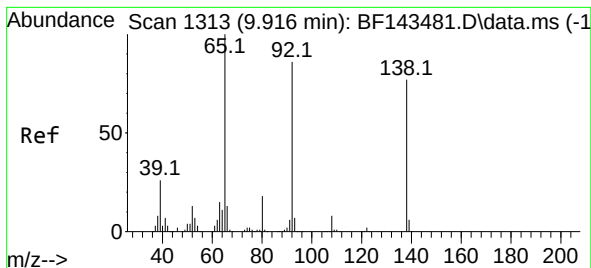
Tgt Ion:165 Resp: 162905
Ion Ratio Lower Upper
165 100
63 58.4 45.0 67.6
89 53.9 42.5 63.7



#52
Acenaphthene
Concen: 39.941 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:154 Resp: 664685
Ion Ratio Lower Upper
154 100
153 112.5 89.5 134.3
152 53.1 42.5 63.7

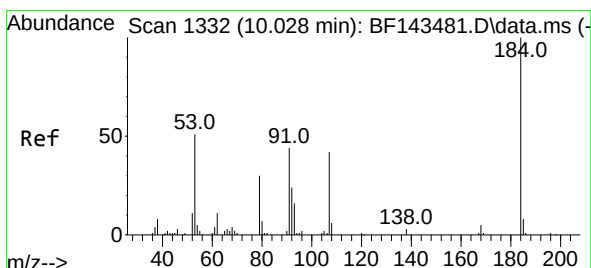
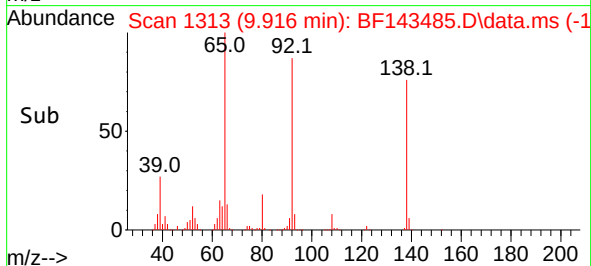
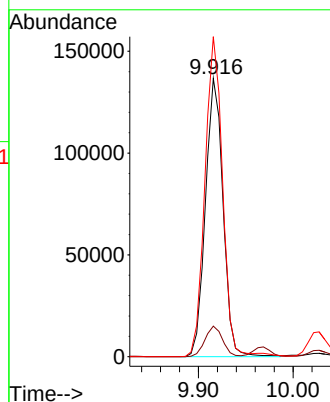
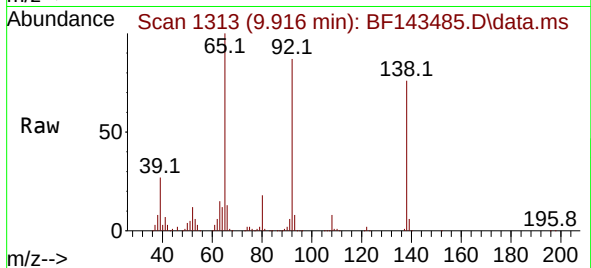




#53
3-Nitroaniline
Concen: 42.506 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

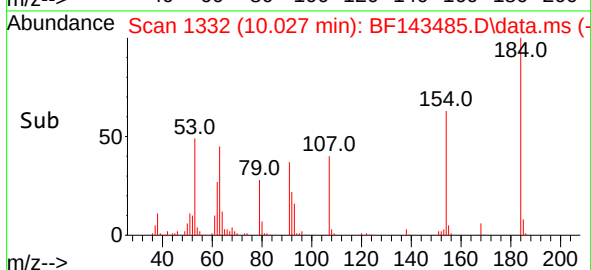
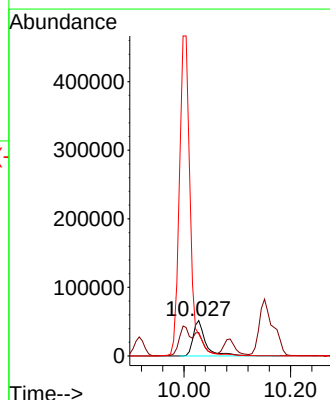
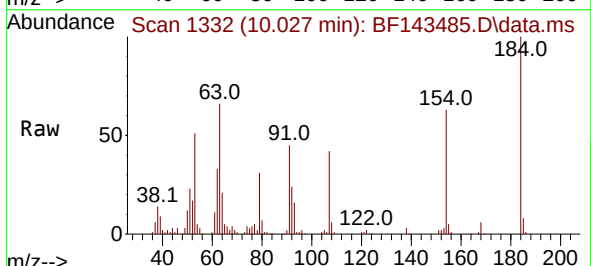
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

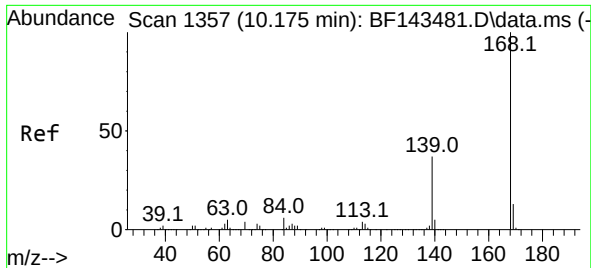
Tgt Ion:138 Resp: 176223
Ion Ratio Lower Upper
138 100
108 11.0 8.6 13.0
92 115.0 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 43.761 ng
RT: 10.027 min Scan# 1332
Delta R.T. -0.001 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:184 Resp: 84522
Ion Ratio Lower Upper
184 100
63 66.1 52.6 78.8
154 62.6 51.0 76.4

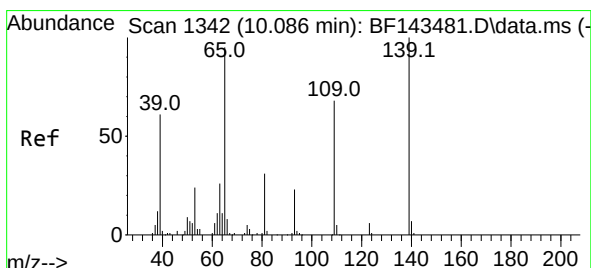
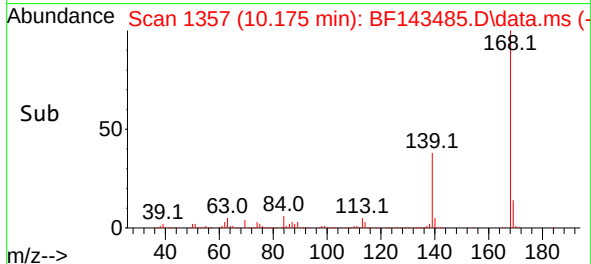
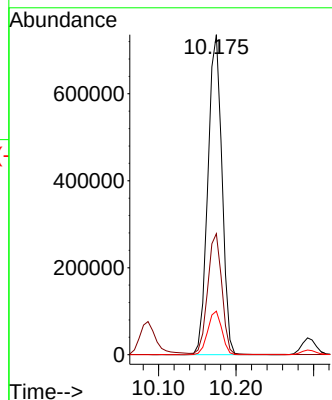
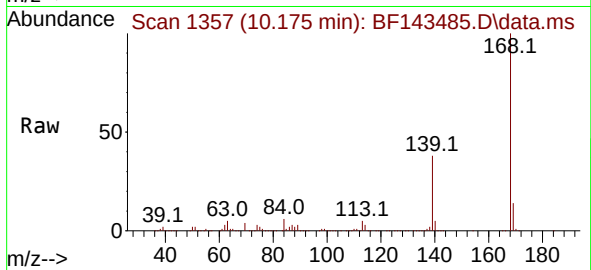




#55
Dibenzofuran
Concen: 39.023 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

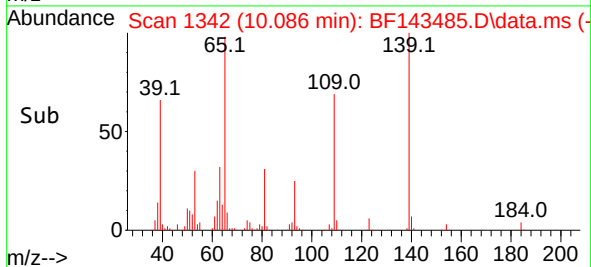
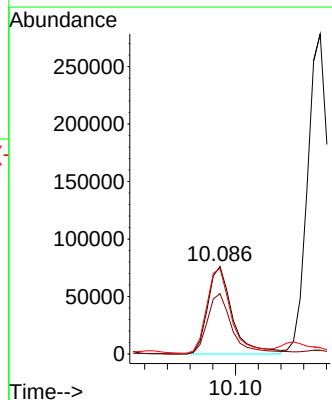
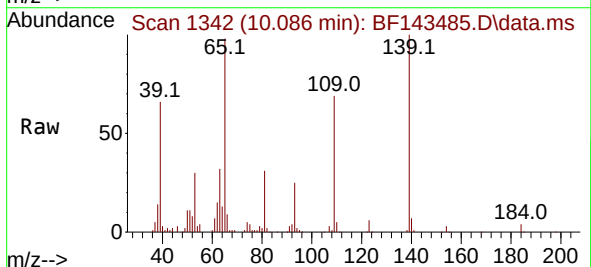
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

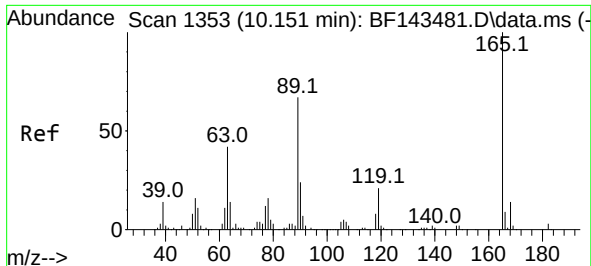
Tgt Ion:168 Resp: 925864
Ion Ratio Lower Upper
168 100
139 37.8 29.8 44.6
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 46.387 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

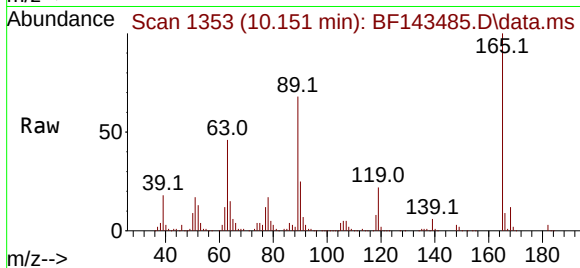
Tgt Ion:139 Resp: 114429
Ion Ratio Lower Upper
139 100
109 68.9 48.2 88.2
65 97.6 75.8 115.8



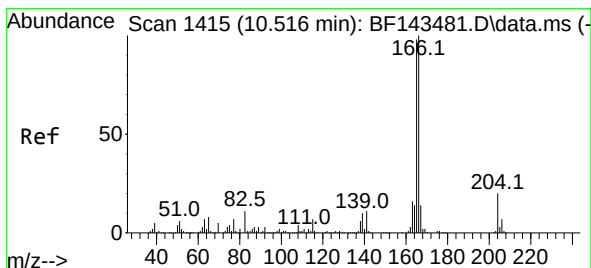
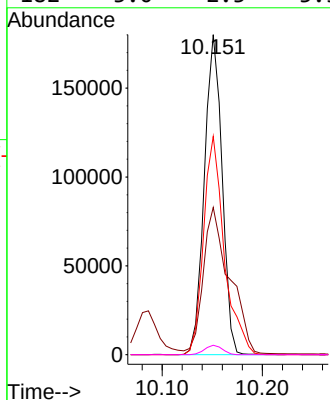
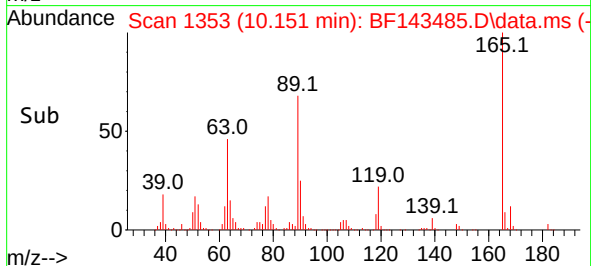


#57
2,4-Dinitrotoluene
Concen: 43.183 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

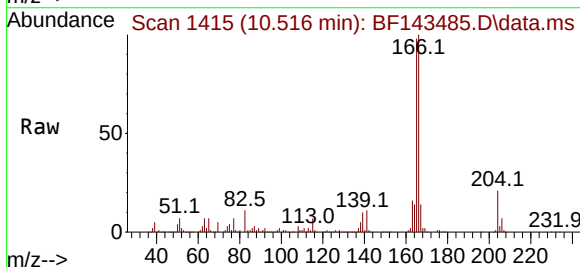
Instrument :
BNA_F
ClientSampleId :
ICVBF082025



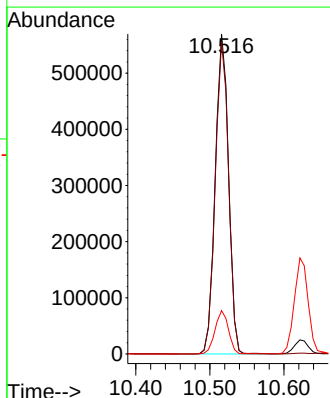
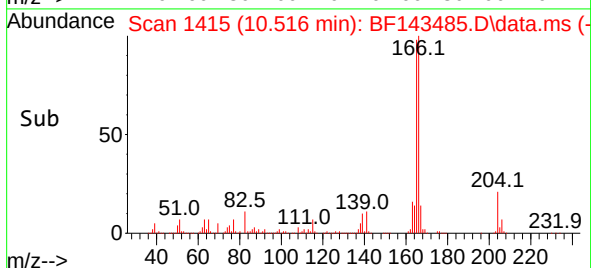
Tgt Ion:165	Resp:	221231	
Ion	Ratio	Lower	Upper
165	100		
63	46.0	34.9	52.3
89	68.2	53.3	79.9
182	3.0	2.3	3.5

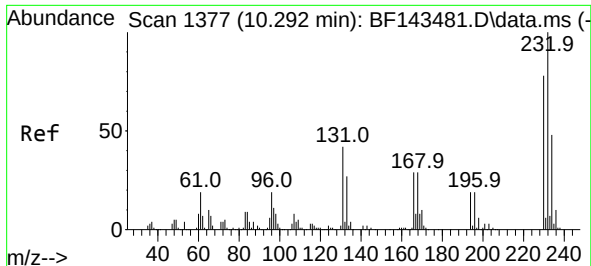


#58
Fluorene
Concen: 38.901 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16



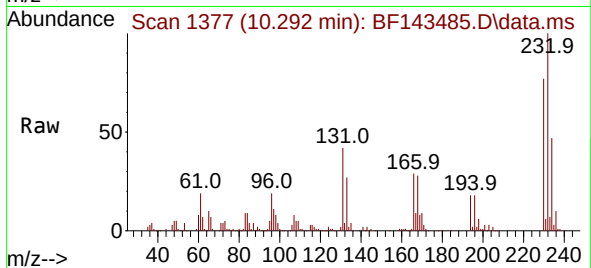
Tgt Ion:166	Resp:	710368	
Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.3	117.5
167	13.5	11.0	16.4



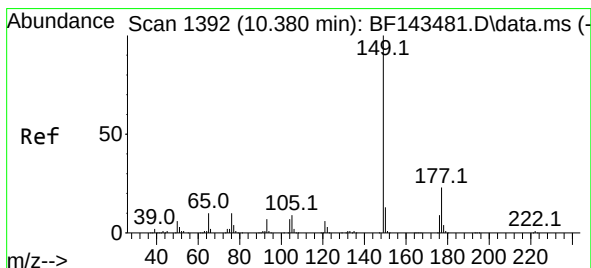
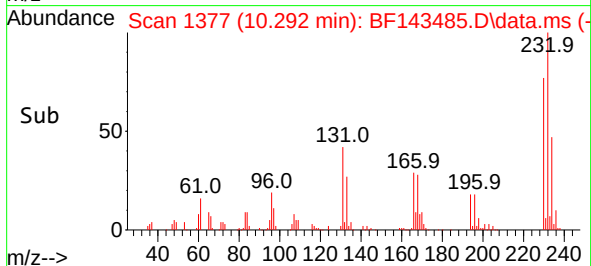
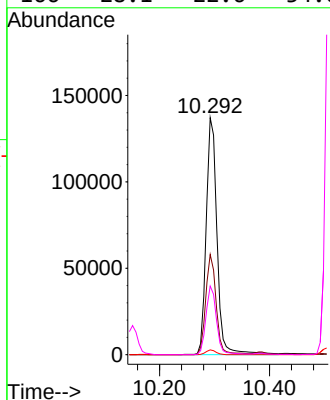


#59
2,3,4,6-Tetrachlorophenol
Concen: 42.767 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

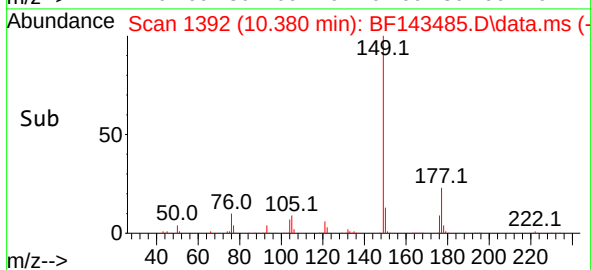
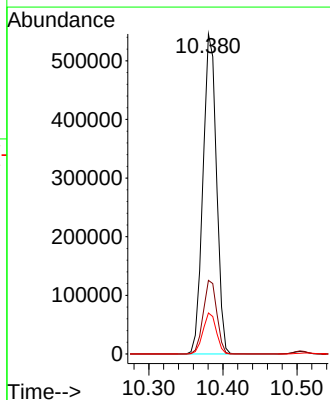
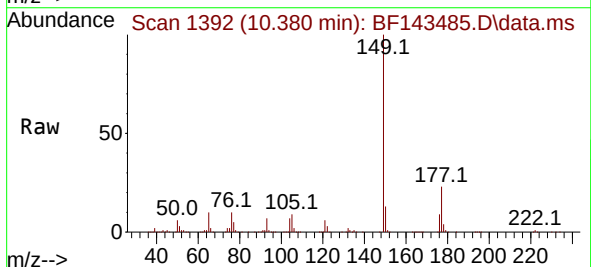


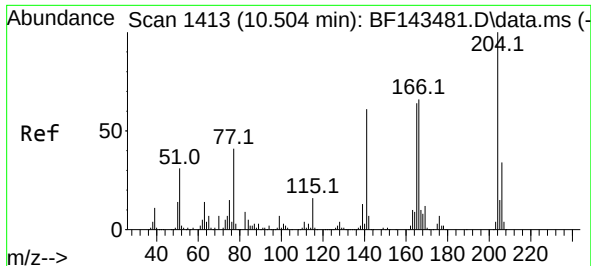
Tgt Ion:232 Resp: 187764
Ion Ratio Lower Upper
232 100
131 40.8 32.7 49.1
130 1.9 1.6 2.4
166 28.1 22.6 34.0



#60
Diethylphthalate
Concen: 41.708 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 692256
Ion Ratio Lower Upper
149 100
177 23.0 18.3 27.5
150 12.8 10.3 15.5

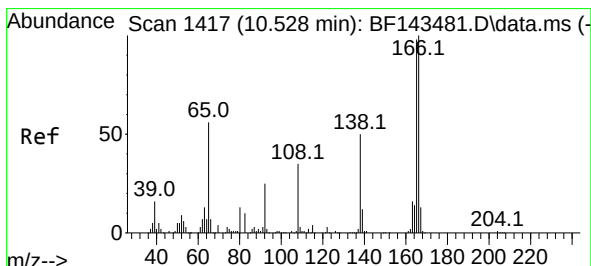
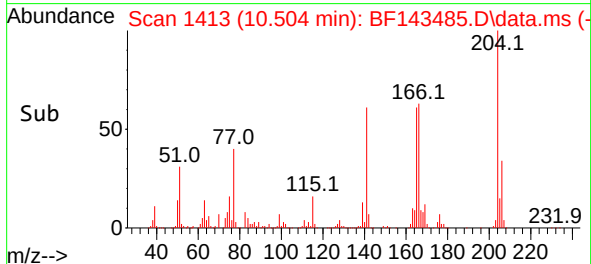
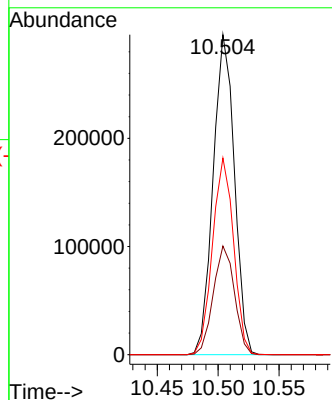
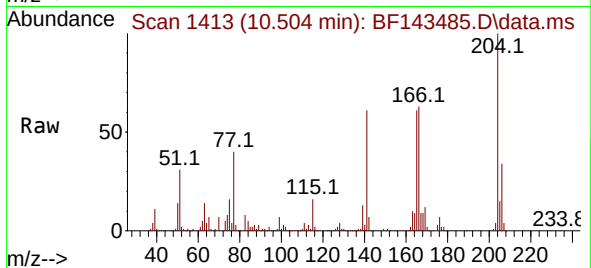




#61
4-Chlorophenyl-phenylether
Concen: 39.269 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

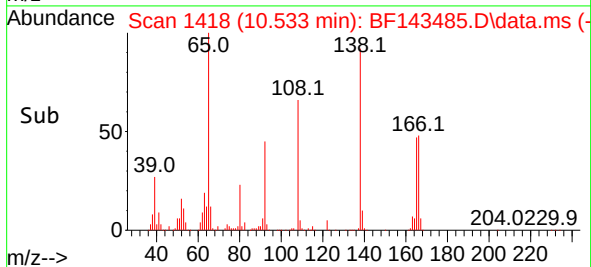
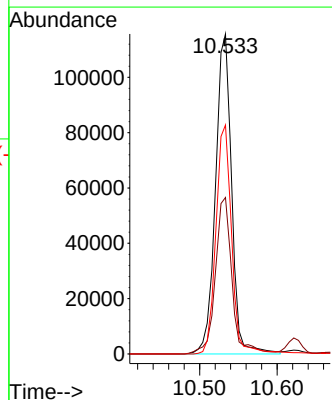
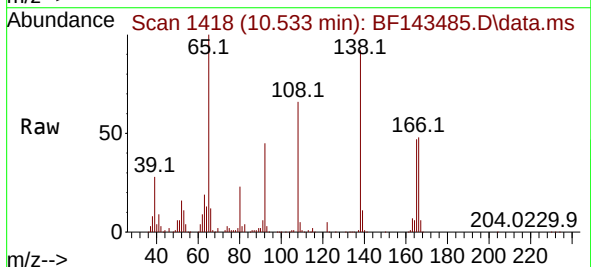
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

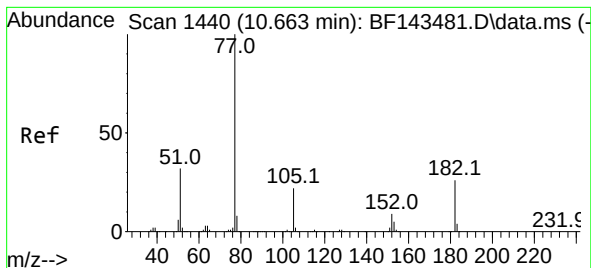
Tgt Ion:204 Resp: 358628
Ion Ratio Lower Upper
204 100
206 33.9 27.0 40.4
141 61.4 48.7 73.1



#62
4-Nitroaniline
Concen: 43.927 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:138 Resp: 167278
Ion Ratio Lower Upper
138 100
92 48.9 29.3 69.3
108 71.6 50.7 90.7

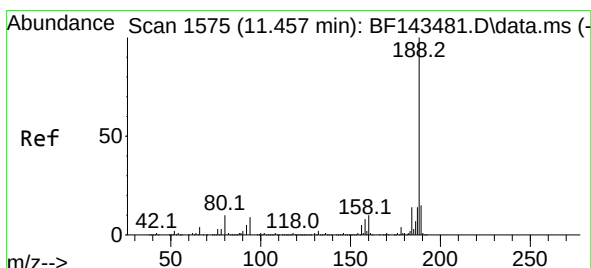
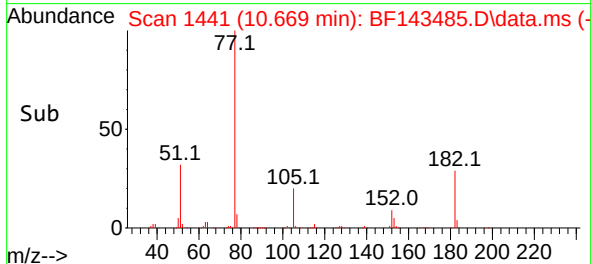
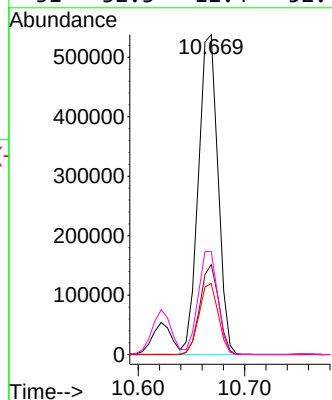
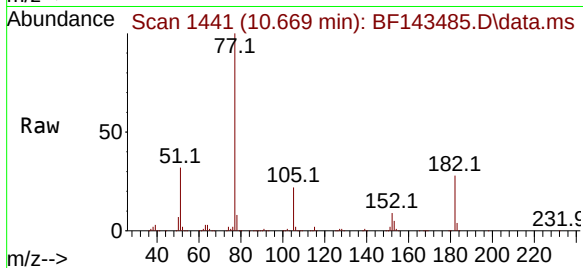




#63
Azobenzene
Concen: 39.982 ng
RT: 10.669 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

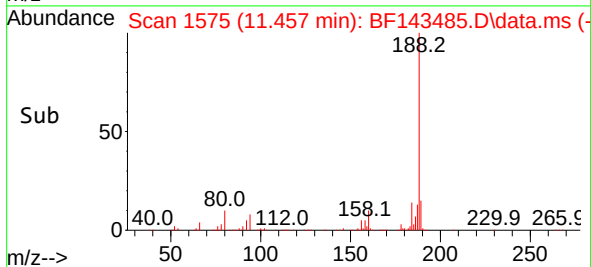
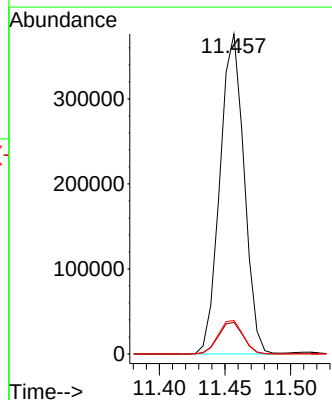
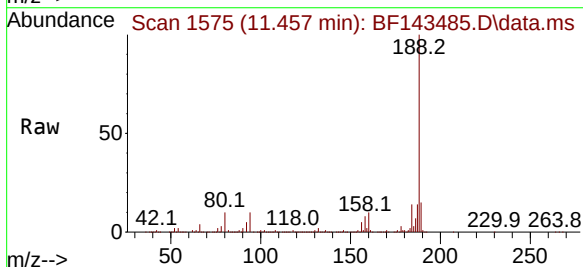
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

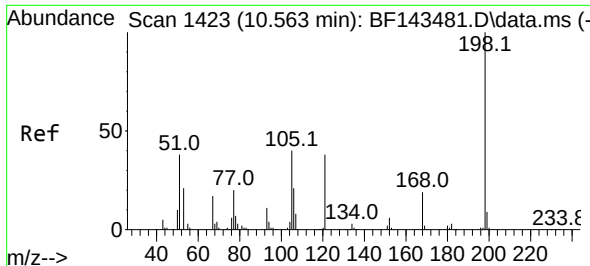
Tgt Ion: 77	Resp: 688082
Ion Ratio	Lower Upper
77 100	
182 28.2	6.2 46.2
105 22.2	2.2 42.2
51 32.3	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:188	Resp: 481864
Ion Ratio	Lower Upper
188 100	
94 9.9	7.4 11.2
80 10.5	8.2 12.4

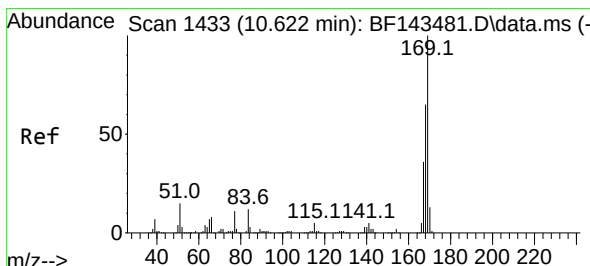
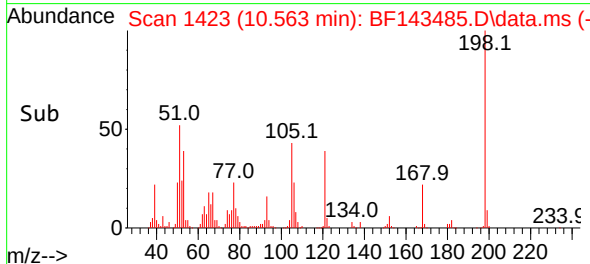
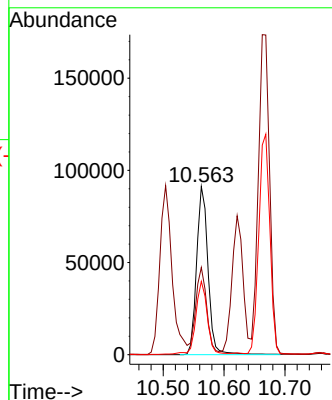
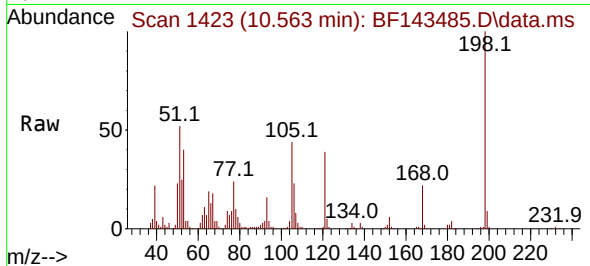




#65
4,6-Dinitro-2-methylphenol
Concen: 43.849 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

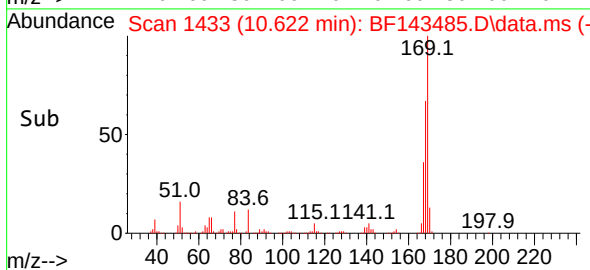
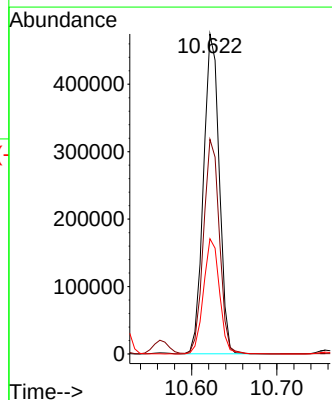
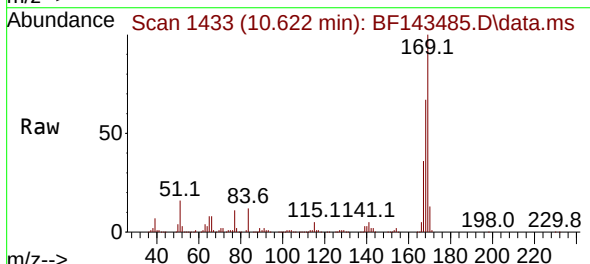
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

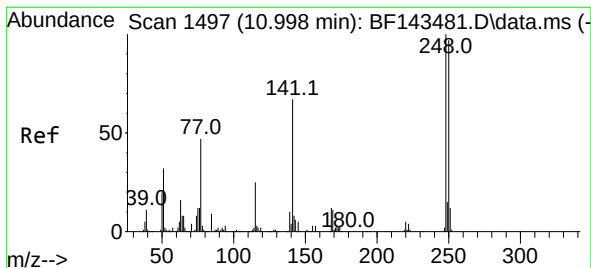
Tgt Ion:198 Resp: 119136
Ion Ratio Lower Upper
198 100
51 51.9 29.6 69.6
105 43.6 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 39.212 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:169 Resp: 608072
Ion Ratio Lower Upper
169 100
168 67.0 52.4 78.6
167 36.0 28.9 43.3

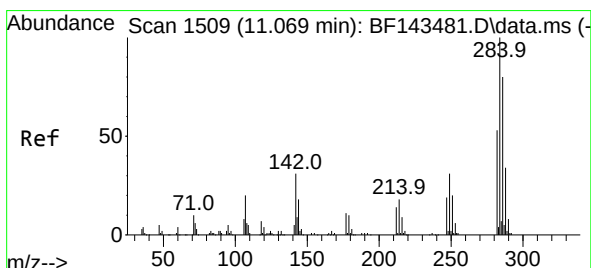
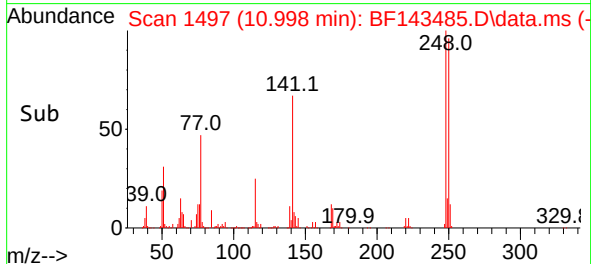
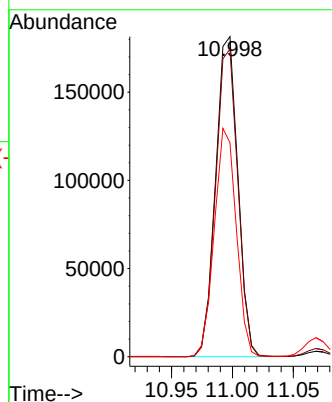
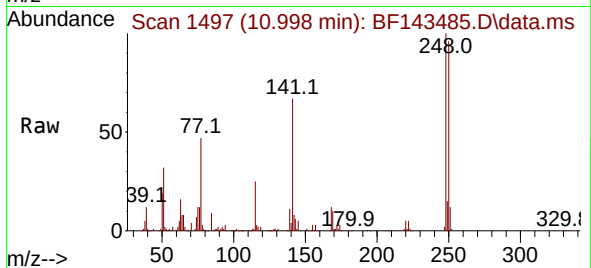




#67
4-Bromophenyl-phenylether
Concen: 40.305 ng
RT: 10.998 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

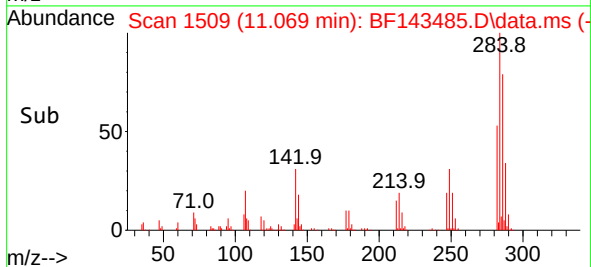
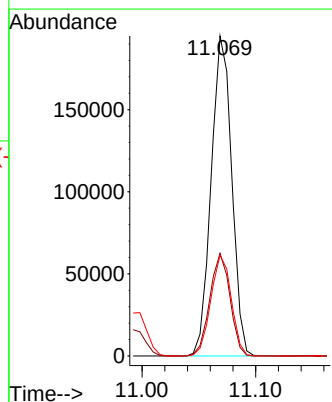
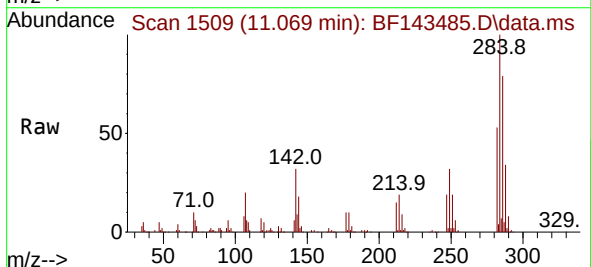
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

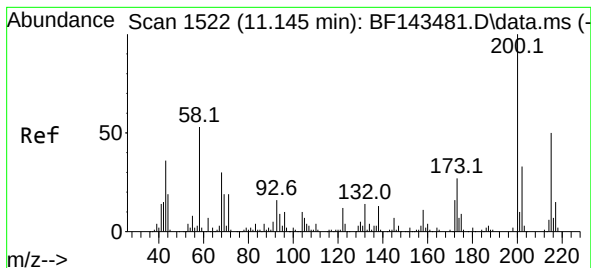
Tgt Ion:248 Resp: 231727
Ion Ratio Lower Upper
248 100
250 96.1 77.8 116.8
141 66.9 54.0 81.0



#68
Hexachlorobenzene
Concen: 39.544 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:284 Resp: 245068
Ion Ratio Lower Upper
284 100
142 32.1 24.4 36.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 43.693 ng

RT: 11.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

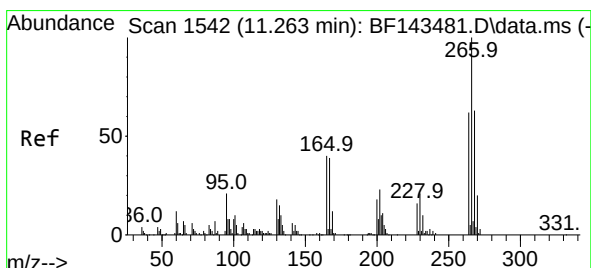
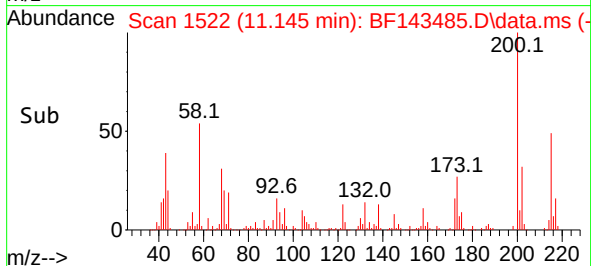
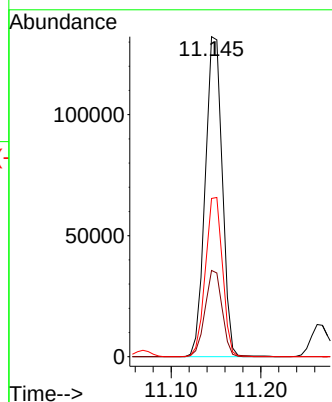
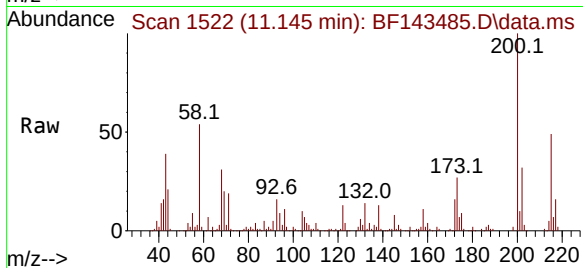
Tgt Ion:200 Resp: 174902

Ion Ratio Lower Upper

200 100

173 27.0 6.9 46.9

215 49.5 30.0 70.0



#70

Pentachlorophenol

Concen: 43.916 ng

RT: 11.269 min Scan# 1543

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

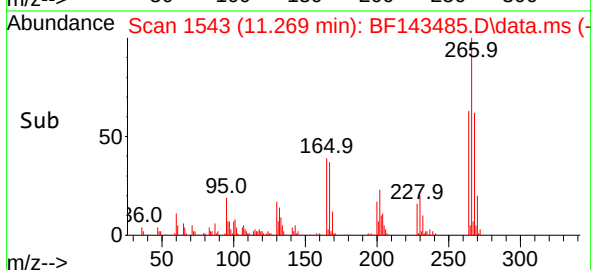
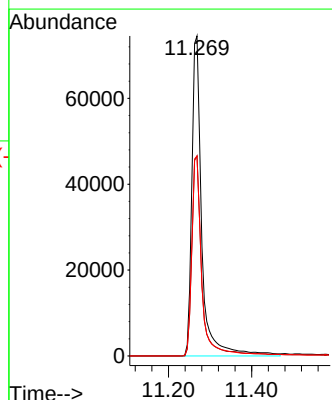
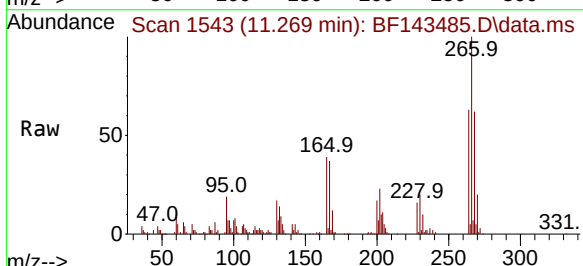
Tgt Ion:266 Resp: 124649

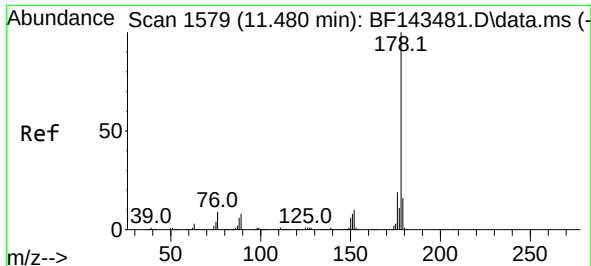
Ion Ratio Lower Upper

266 100

268 62.5 50.5 75.7

264 62.5 49.8 74.8

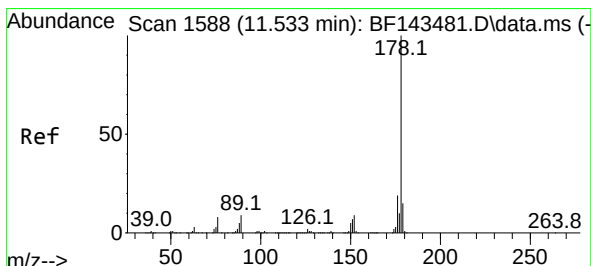
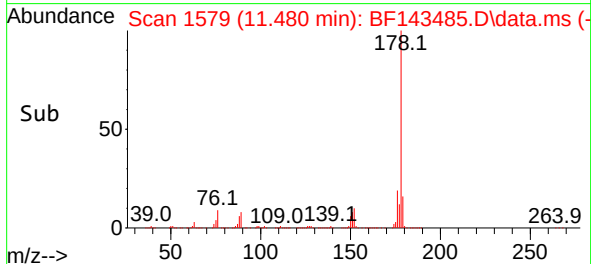
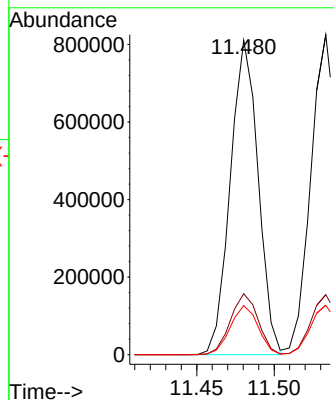
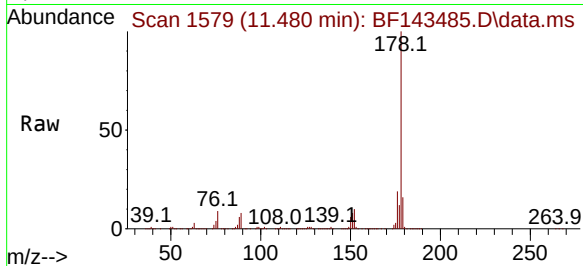




#71
Phenanthrene
Concen: 39.237 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

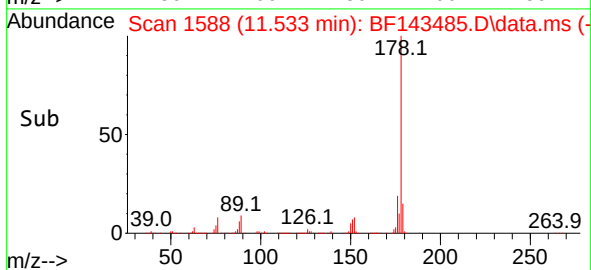
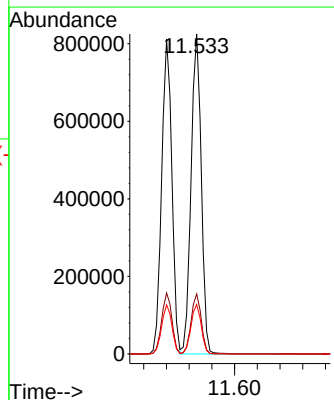
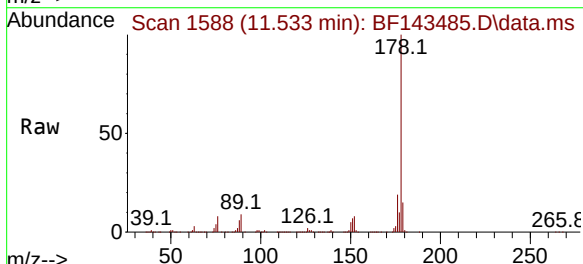
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

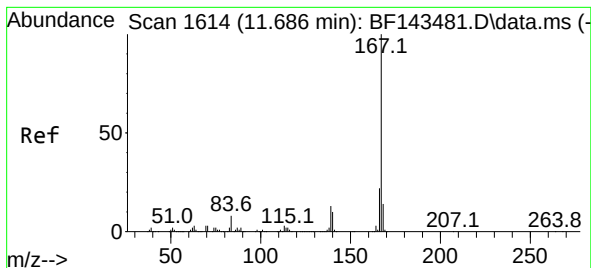
Tgt Ion:178 Resp: 1012486
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.5 18.7



#72
Anthracene
Concen: 39.390 ng
RT: 11.533 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:178 Resp: 1029696
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.5 12.3 18.5





#73

Carbazole

Concen: 40.413 ng

RT: 11.686 min Scan# 1614

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

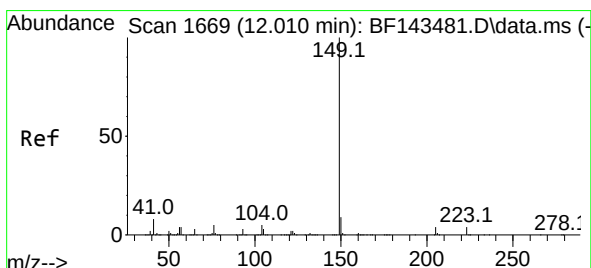
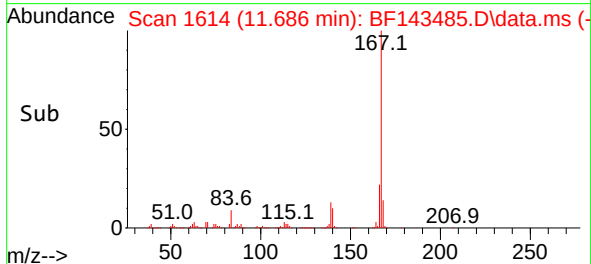
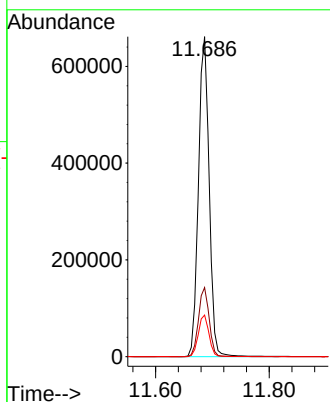
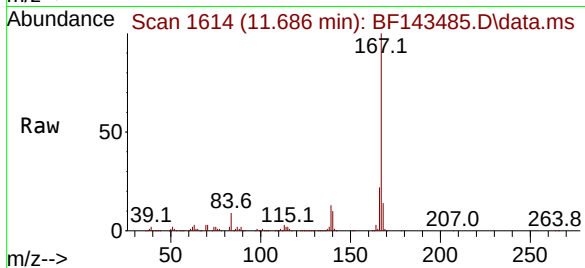
Tgt Ion:167 Resp: 865651

Ion Ratio Lower Upper

167 100

166 21.6 17.3 25.9

139 13.0 10.0 15.0



#74

Di-n-butylphthalate

Concen: 43.507 ng

RT: 12.010 min Scan# 1669

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

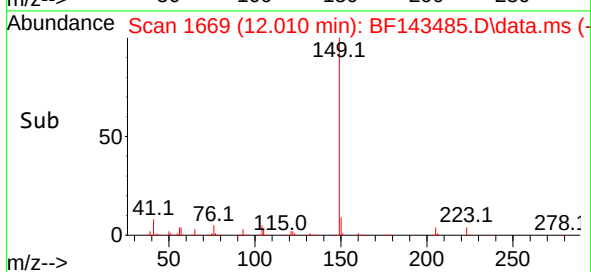
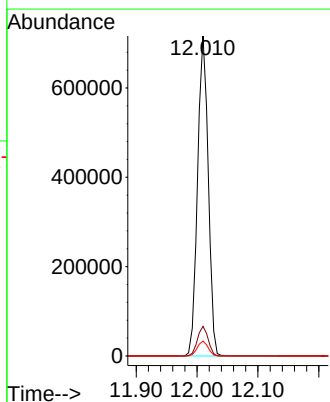
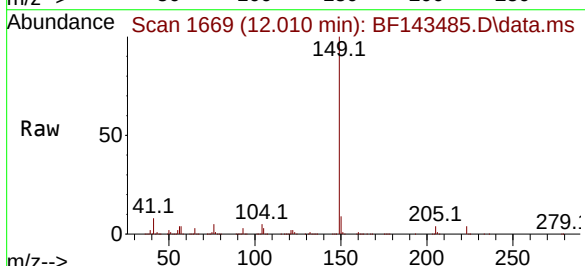
Tgt Ion:149 Resp: 869364

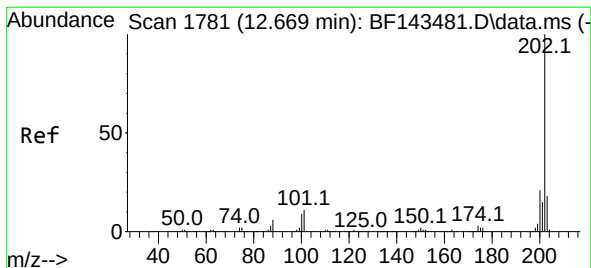
Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

104 4.7 3.6 5.4

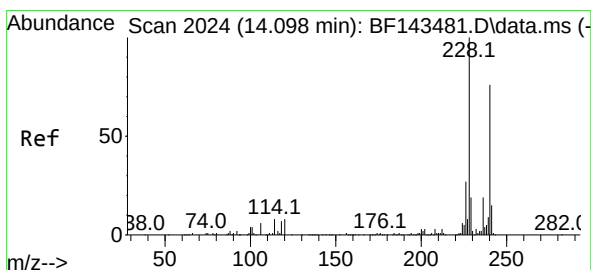
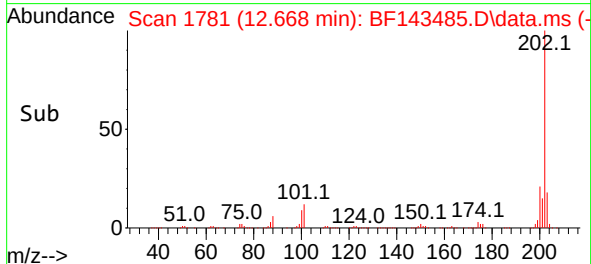
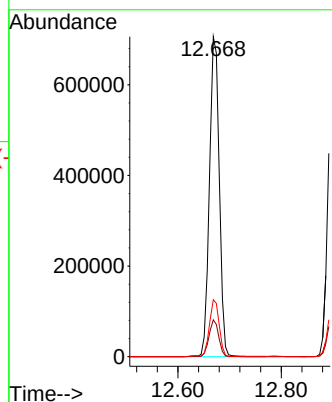
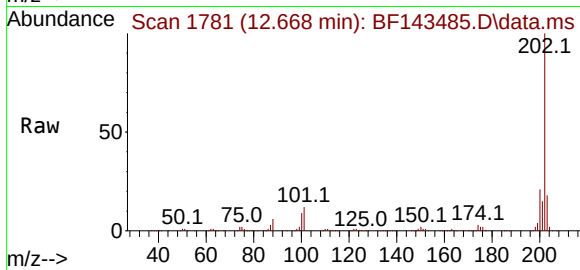




#75
Fluoranthene
Concen: 40.261 ng
RT: 12.668 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

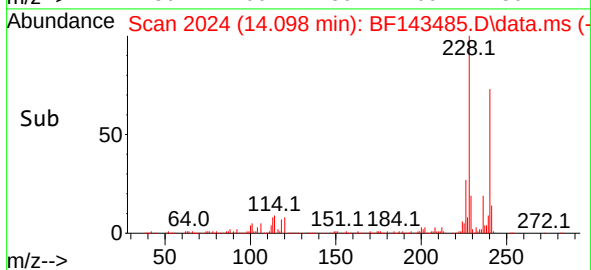
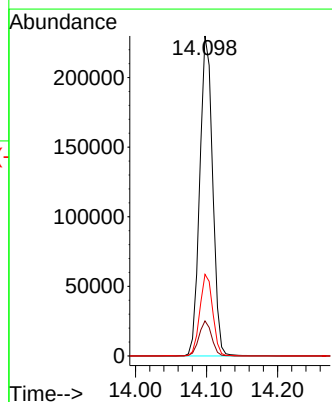
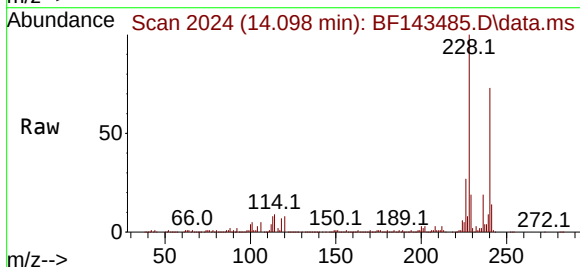
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

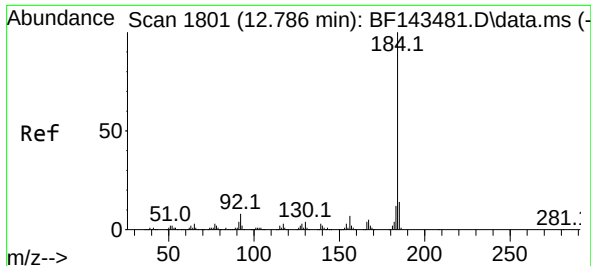
Tgt Ion:	202	Resp:	932217
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.3
203	17.8	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:	240	Resp:	290808
Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.6	12.8
236	25.5	20.4	30.6

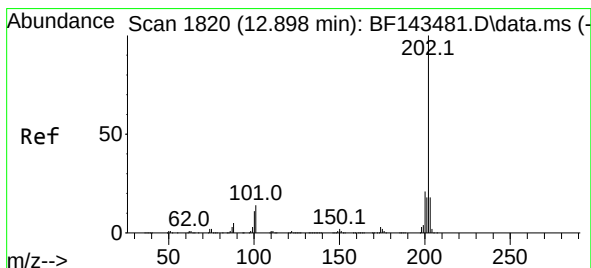
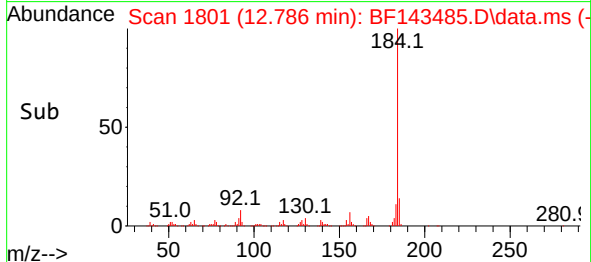
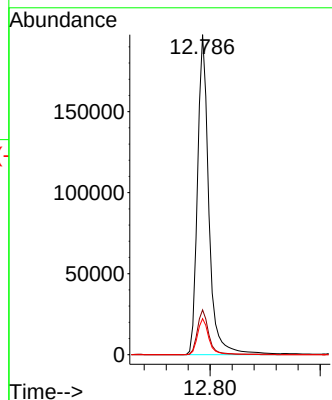
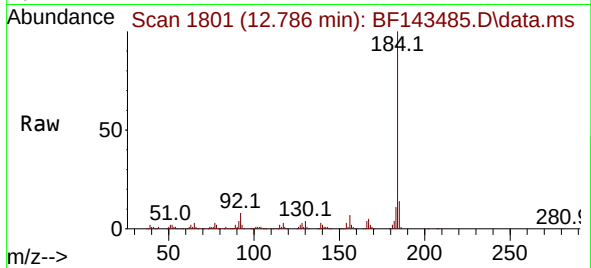




#77
Benzidine
Concen: 39.962 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

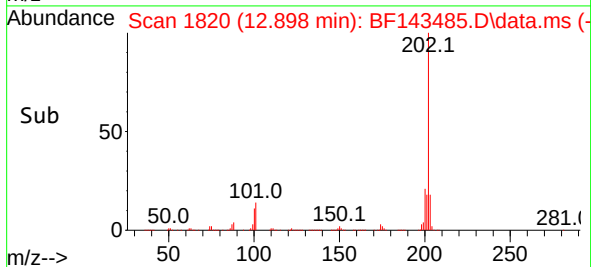
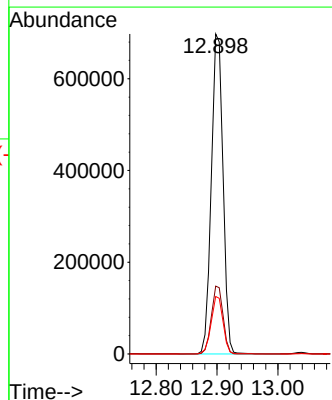
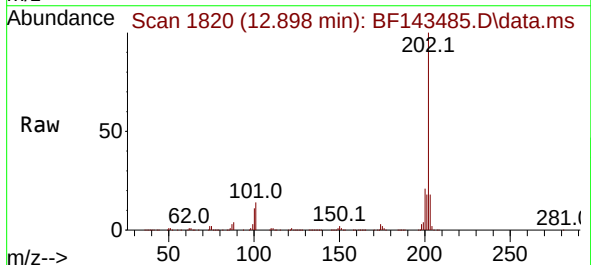
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

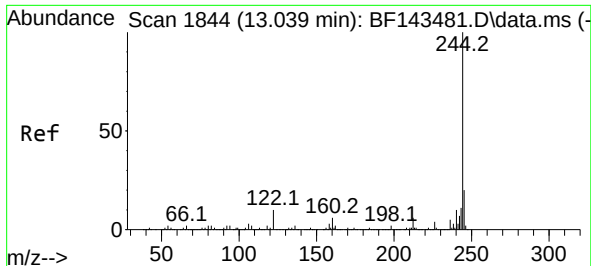
Tgt Ion:184 Resp: 283076
Ion Ratio Lower Upper
184 100
185 14.0 11.3 16.9
183 11.3 9.5 14.3



#78
Pyrene
Concen: 38.897 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:202 Resp: 930449
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.9 14.3 21.5

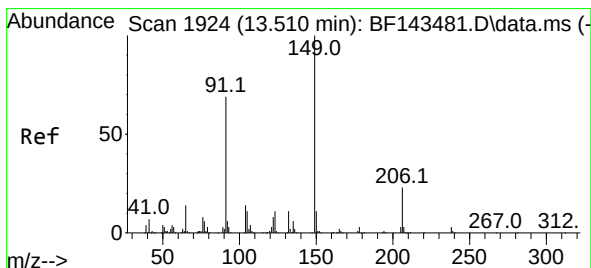
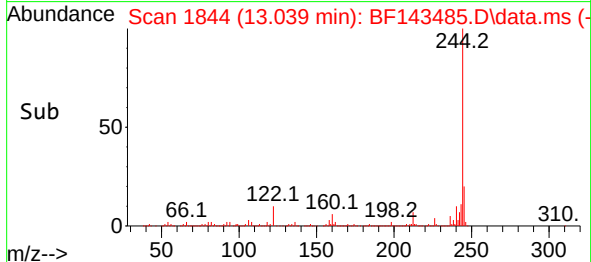
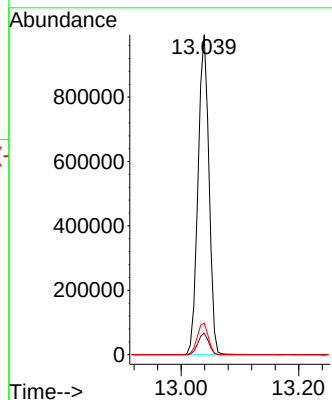
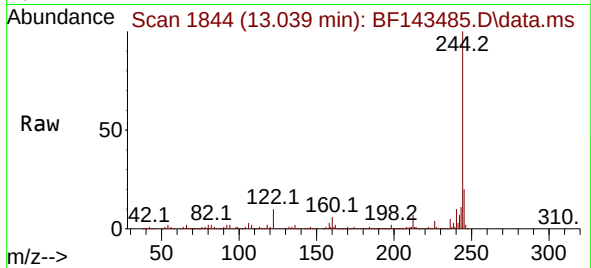




#79
 Terphenyl-d14
 Concen: 76.705 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143485.D
 Acq: 20 Aug 2025 15:16

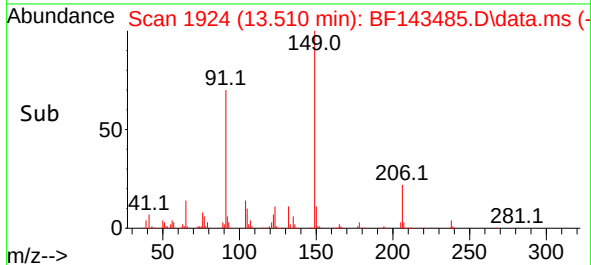
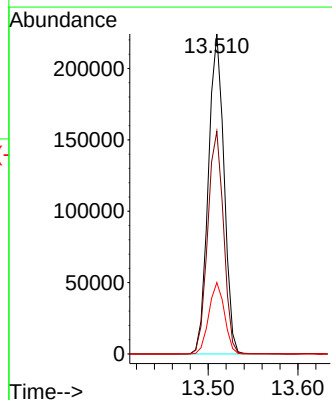
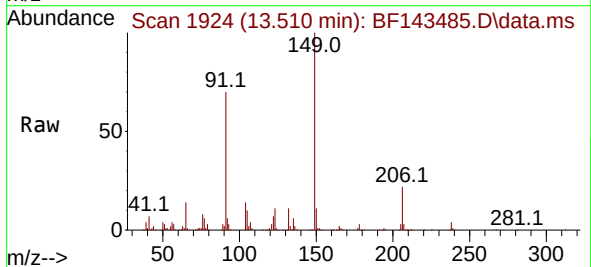
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF082025

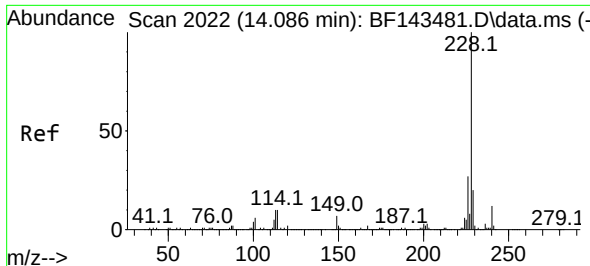
Tgt Ion:244 Resp: 1278285
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 9.8 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 41.549 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: BF143485.D
 Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 271515
 Ion Ratio Lower Upper
 149 100
 91 69.5 55.3 82.9
 206 22.3 18.2 27.4

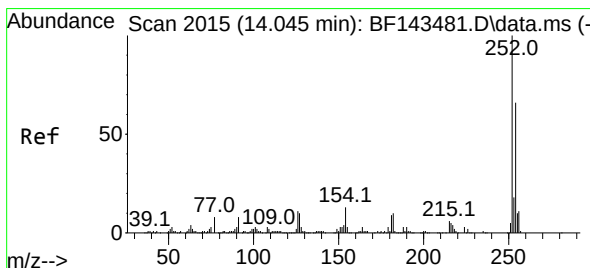
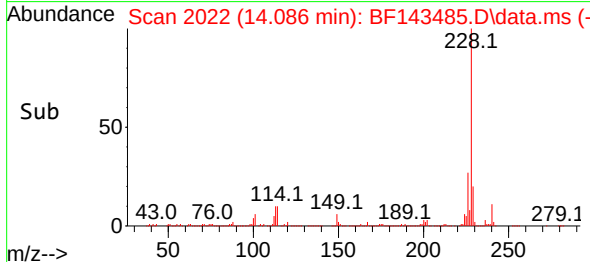
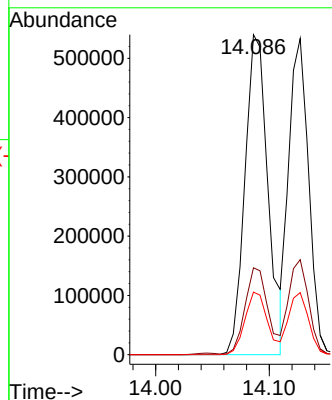
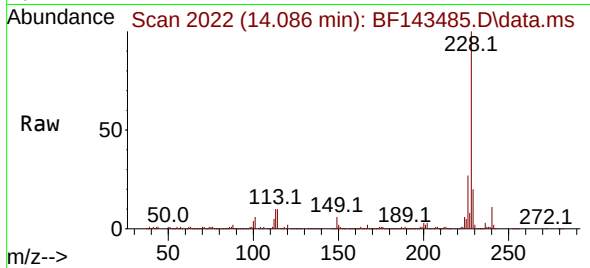




#81
Benzo(a)anthracene
Concen: 40.783 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

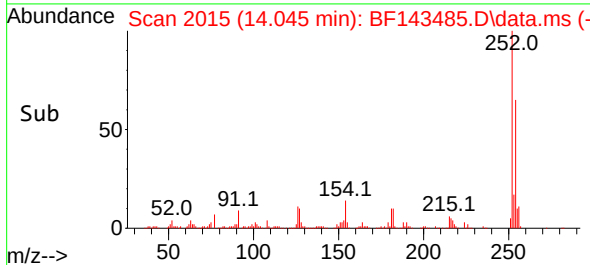
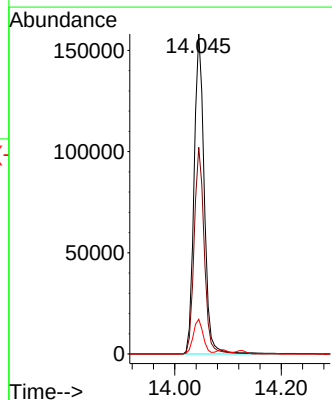
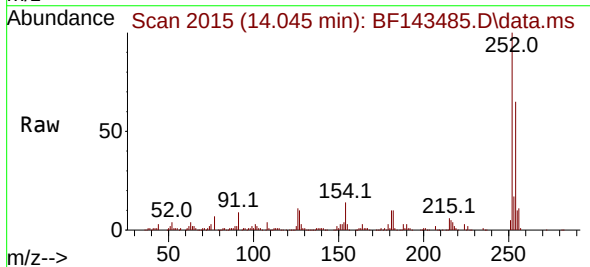
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

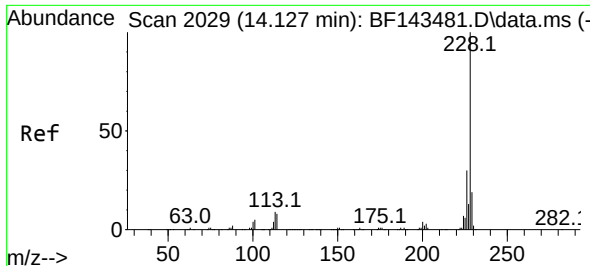
Tgt Ion:228 Resp: 763549
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 19.6 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 38.975 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:252 Resp: 208975
Ion Ratio Lower Upper
252 100
254 64.5 52.6 79.0
126 10.8 8.7 13.1

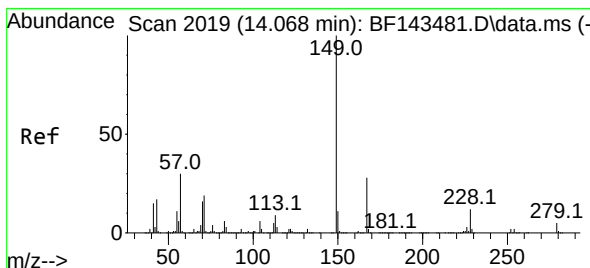
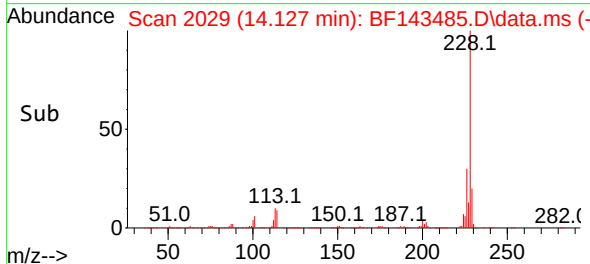
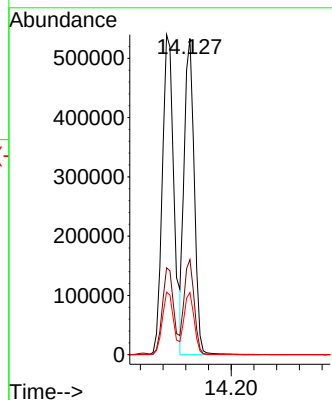
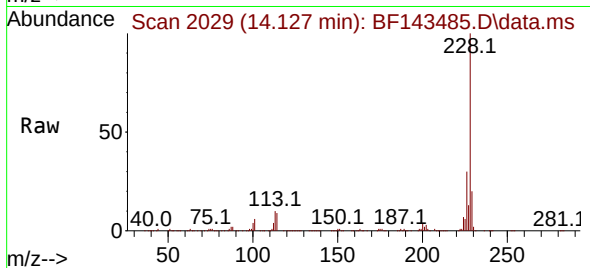




#83
Chrysene
Concen: 38.711 ng
RT: 14.127 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

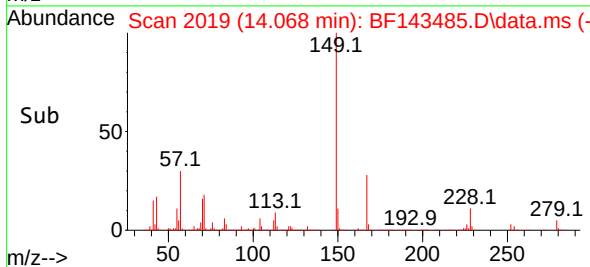
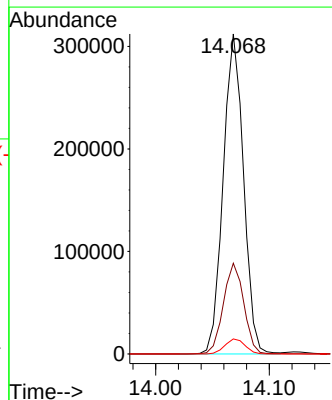
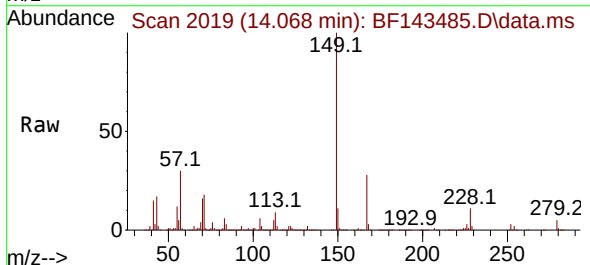
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

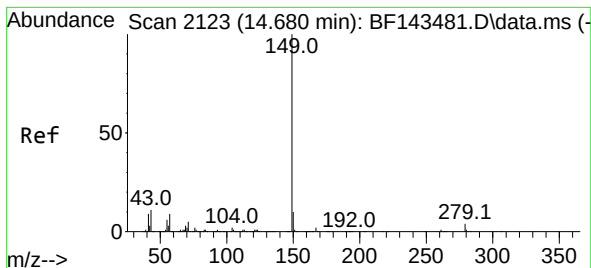
Tgt Ion:228 Resp: 651325
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 19.6 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 38.990 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 388068
Ion Ratio Lower Upper
149 100
167 28.4 22.2 33.2
279 4.7 3.6 5.4

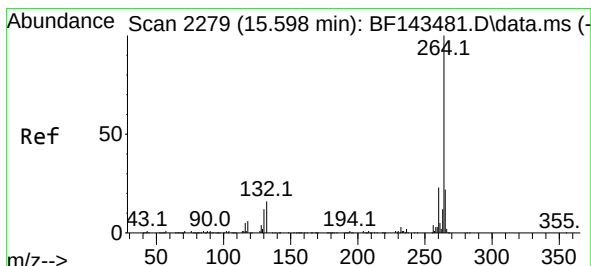
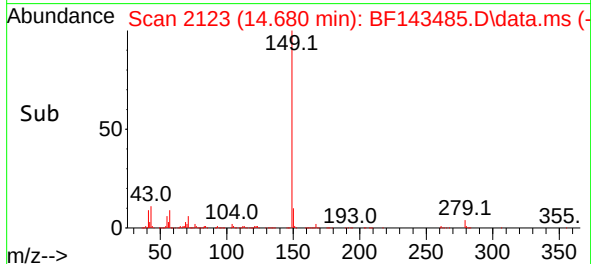
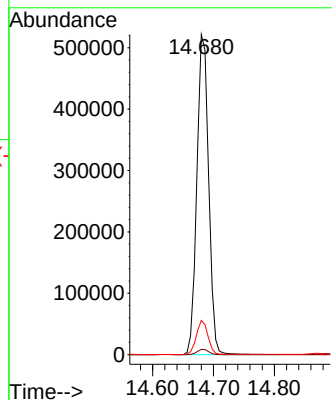
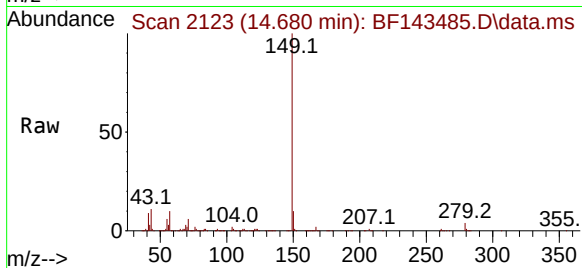




#85
Di-n-octyl phthalate
Concen: 37.975 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

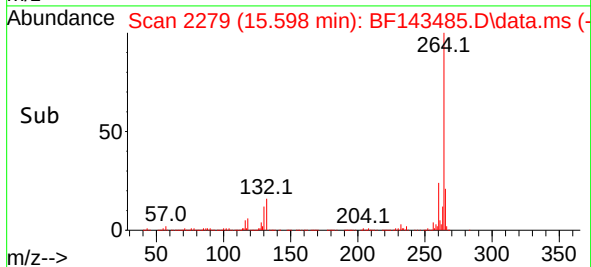
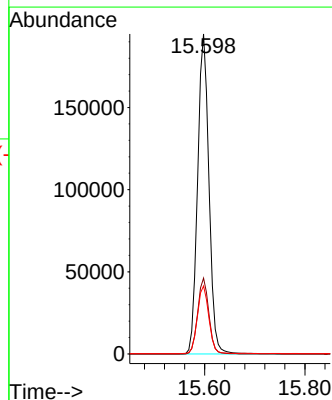
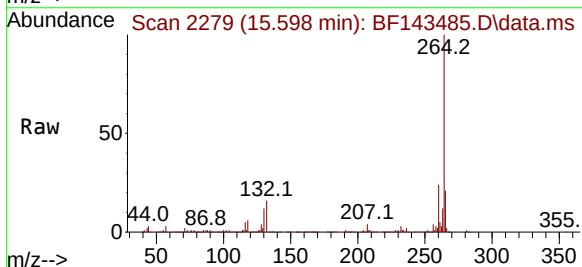
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

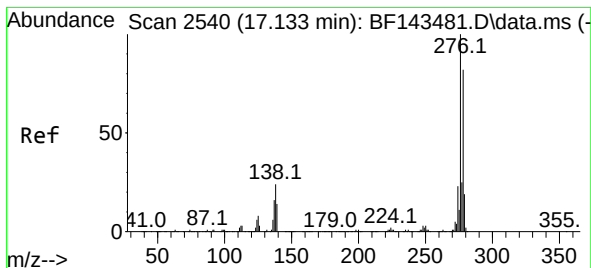
Tgt Ion:149 Resp: 700201
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 10.5 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:264 Resp: 304631
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.2 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.281 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

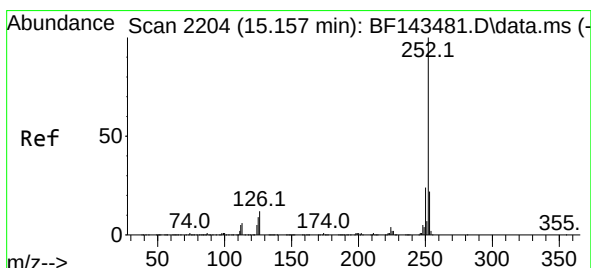
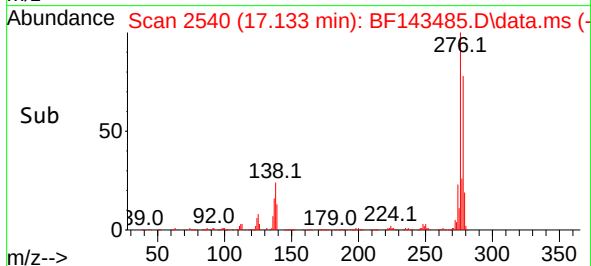
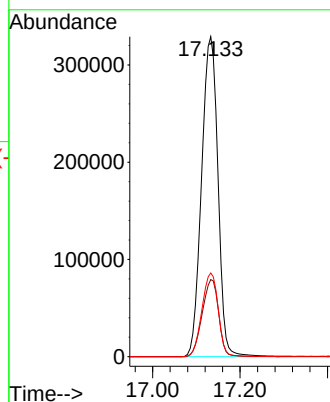
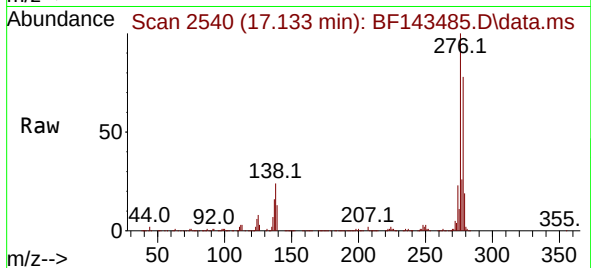
Tgt Ion:276 Resp: 859881

Ion Ratio Lower Upper

276 100

138 24.2 19.2 28.8

277 26.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.433 ng

RT: 15.157 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

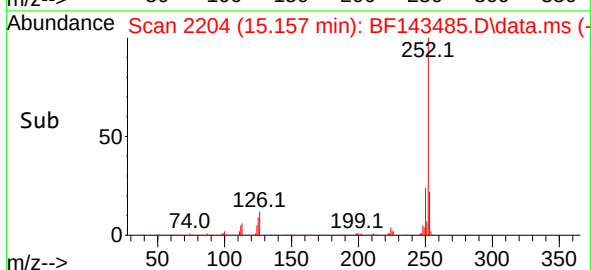
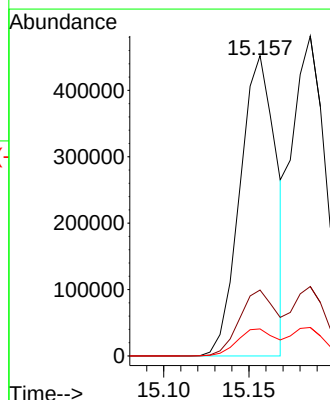
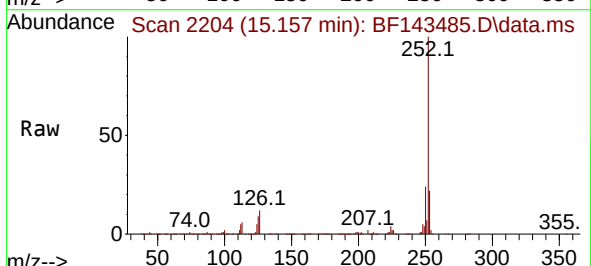
Tgt Ion:252 Resp: 667733

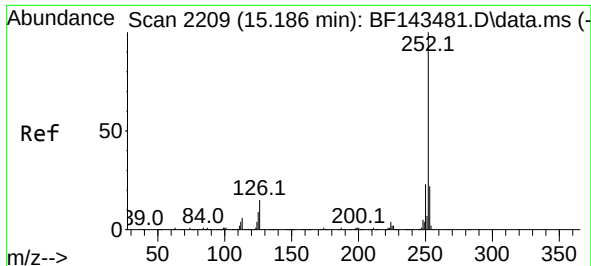
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.0 7.4 11.0

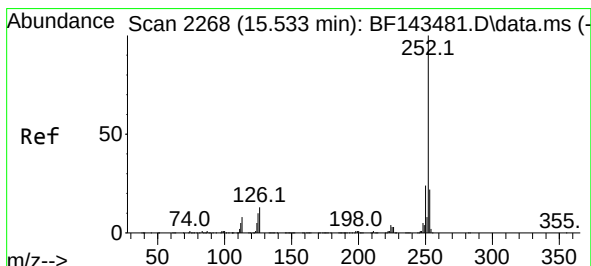
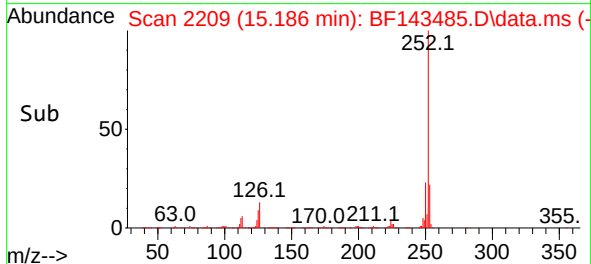
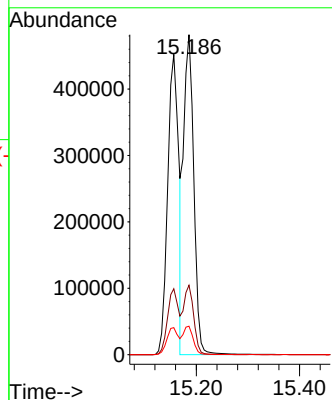
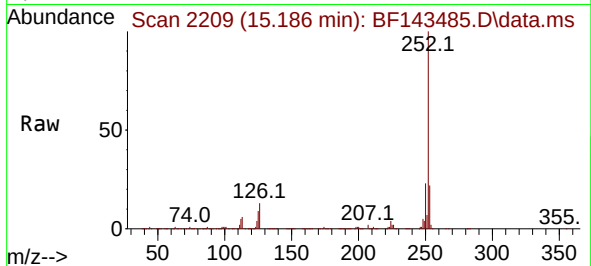




#89
Benzo(k)fluoranthene
Concen: 40.992 ng
RT: 15.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

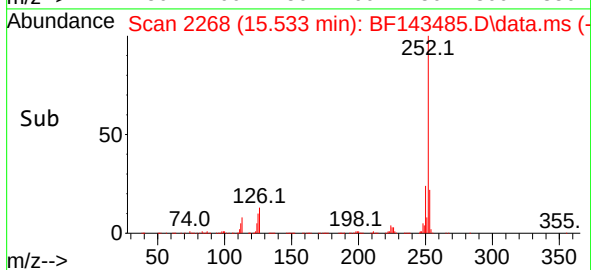
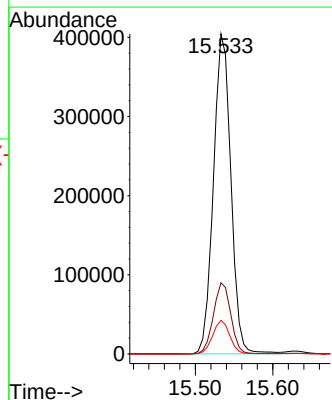
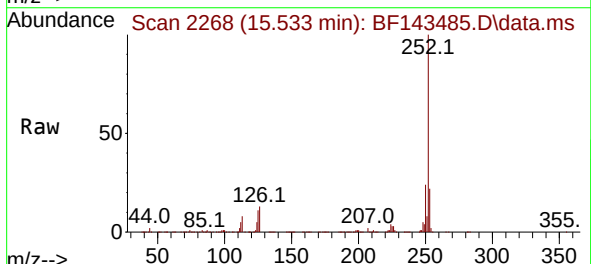
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

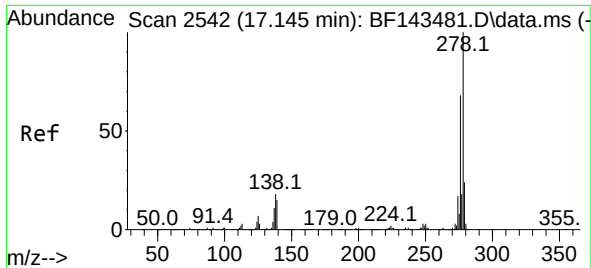
Tgt Ion:252 Resp: 664593
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 8.9 7.4 11.0



#90
Benzo(a)pyrene
Concen: 40.208 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:252 Resp: 631989
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 10.5 8.2 12.2

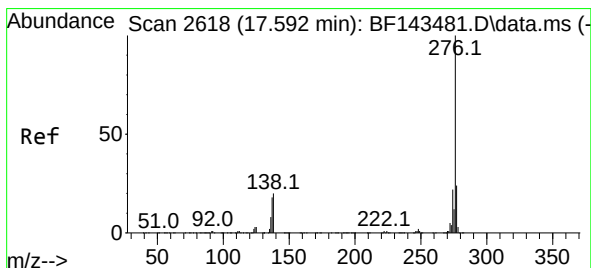
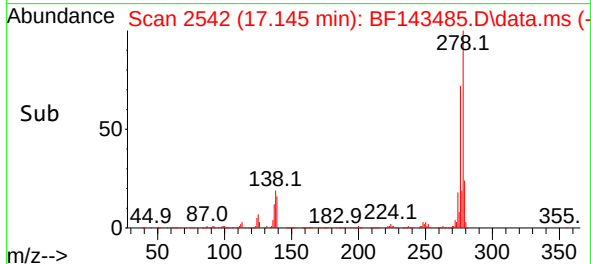
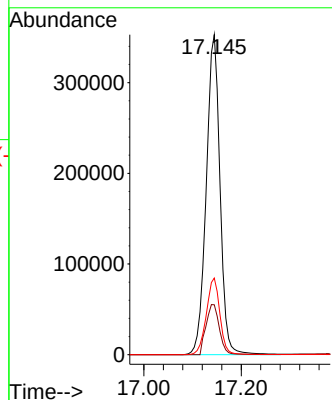
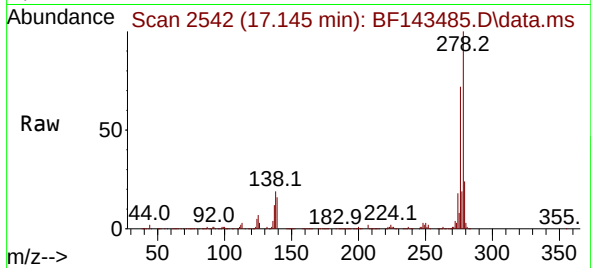




#91
 Dibenzo(a,h)anthracene
 Concen: 39.378 ng
 RT: 17.145 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF143485.D
 Acq: 20 Aug 2025 15:16

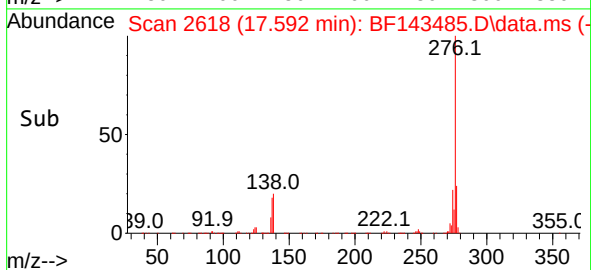
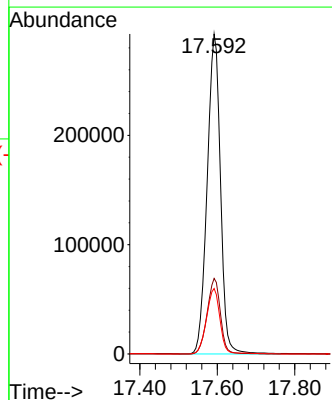
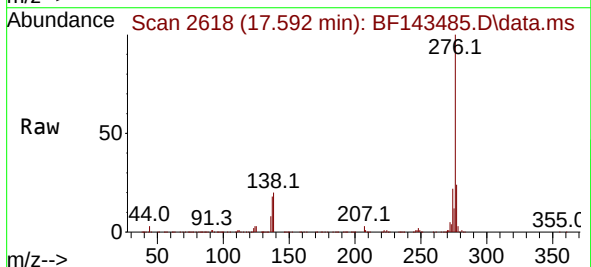
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF082025

Tgt Ion:278 Resp: 690364
 Ion Ratio Lower Upper
 278 100
 139 15.6 12.1 18.1
 279 23.9 19.2 28.8



#92
 Benzo(g,h,i)perylene
 Concen: 39.992 ng
 RT: 17.592 min Scan# 2618
 Delta R.T. -0.012 min
 Lab File: BF143485.D
 Acq: 20 Aug 2025 15:16

Tgt Ion:276 Resp: 697169
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.9 28.3
 138 20.4 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2	1,4-Dioxane	0.531	0.520	2.1	104	0.00
3	Pyridine	1.413	1.427	-1.0	106	0.00
4	n-Nitrosodimethylamine	0.635	0.648	-2.0	108	-0.02
5 S	2-Fluorophenol	1.145	1.142	0.3	107	0.00
6	Aniline	1.890	1.912	-1.2	108	0.00
7 S	Phenol-d6	1.414	1.400	1.0	107	-0.01
8	2-Chlorophenol	1.265	1.272	-0.6	107	0.00
9	Benzaldehyde	1.145	1.212	-5.9	108	0.00
10 C	Phenol	1.629	1.653	-1.5	107	0.00
11	bis(2-Chloroethyl)ether	1.217	1.218	-0.1	107	0.00
12	1,3-Dichlorobenzene	1.421	1.411	0.7	107	0.00
13 C	1,4-Dichlorobenzene	1.426	1.406	1.4	107	0.00
14	1,2-Dichlorobenzene	1.350	1.342	0.6	107	0.00
15	Benzyl Alcohol	1.059	1.090	-2.9	108	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.949	-0.1	107	0.00
17	2-Methylphenol	1.015	1.033	-1.8	109	0.00
18	Hexachloroethane	0.485	0.492	-1.4	107	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.854	1.2	108	-0.01
20	3+4-Methylphenols	1.212	1.229	-1.4	108	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22	Acetophenone	0.432	0.421	2.5	108	0.00
23 S	Nitrobenzene-d5	0.343	0.345	-0.6	108	0.00
24	Nitrobenzene	0.353	0.358	-1.4	108	0.00
25	Isophorone	0.628	0.634	-1.0	110	0.00
26 C	2-Nitrophenol	0.173	0.180	-4.0	109	0.00
27	2,4-Dimethylphenol	0.269	0.267	0.7	106	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.388	-0.5	108	0.00
29 C	2,4-Dichlorophenol	0.288	0.289	-0.3	108	0.00
30	1,2,4-Trichlorobenzene	0.296	0.291	1.7	107	0.00
31	Naphthalene	0.960	0.937	2.4	107	0.00
32	Benzoic acid	0.137	0.155	-13.1	115	-0.02
33	4-Chloroaniline	0.341	0.343	-0.6	107	0.00
34 C	Hexachlorobutadiene	0.193	0.191	1.0	107	0.00
35	Caprolactam	0.069	0.077	-11.6	117	-0.02
36 C	4-Chloro-3-methylphenol	0.288	0.292	-1.4	109	0.00
37	2-Methylnaphthalene	0.641	0.623	2.8	106	0.00
38	1-Methylnaphthalene	0.613	0.602	1.8	107	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.555	3.0	107	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.201	-9.2	110	0.00
42 S	2,4,6-Tribromophenol	0.186	0.188	-1.1	109	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.362	-2.8	108	0.00
44	2,4,5-Trichlorophenol	0.385	0.377	2.1	107	0.00
45 S	2-Fluorobiphenyl	1.210	1.154	4.6	108	0.00
46	1,1'-Biphenyl	1.420	1.384	2.5	108	0.00
47	2-Chloronaphthalene	1.114	1.088	2.3	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143485.D
 Acq On : 20 Aug 2025 15:16
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF082025

Quant Time: Aug 20 16:24:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.341	-4.6	110	0.00
49	Acenaphthylene	1.595	1.577	1.1	108	0.00
50	Dimethylphthalate	1.205	1.233	-2.3	112	0.00
51	2,6-Dinitrotoluene	0.250	0.265	-6.0	111	0.00
52 C	Acenaphthene	1.083	1.081	0.2	109	0.00
53	3-Nitroaniline	0.270	0.287	-6.3	112	0.00
54 P	2,4-Dinitrophenol	0.115	0.137	-19.1	125	0.00
55	Dibenzofuran	1.544	1.506	2.5	107	0.00
56 P	4-Nitrophenol	0.161	0.186	-15.5	118	0.00
57	2,4-Dinitrotoluene	0.333	0.360	-8.1	111	0.00
58	Fluorene	1.188	1.156	2.7	108	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.305	-6.6	112	0.00
60	Diethylphthalate	1.080	1.126	-4.3	113	0.00
61	4-Chlorophenyl-phenylether	0.594	0.583	1.9	108	0.00
62	4-Nitroaniline	0.248	0.272	-9.7	115	0.00
63	Azobenzene	1.120	1.119	0.1	108	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	110	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.124	-9.7	115	0.00
66 c	n-Nitrosodiphenylamine	0.644	0.631	2.0	109	0.00
67	4-Bromophenyl-phenylether	0.239	0.240	-0.4	110	0.00
68	Hexachlorobenzene	0.257	0.254	1.2	109	0.00
69	Atrazine	0.166	0.181	-9.0	119	0.00
70 C	Pentachlorophenol	0.118	0.129	-9.3	115	0.00
71	Phenanthrene	1.071	1.051	1.9	112	0.00
72	Anthracene	1.085	1.068	1.6	110	0.00
73	Carbazole	0.889	0.898	-1.0	112	0.00
74	Di-n-butylphthalate	0.829	0.902	-8.8	117	0.00
75 C	Fluoranthene	0.961	0.967	-0.6	113	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	116	0.00
77	Benzydine	0.487	0.487	0.0	110	0.00
78	Pyrene	1.645	1.600	2.7	114	0.00
79 S	Terphenyl-d14	1.146	1.099	4.1	113	0.00
80	Butylbenzylphthalate	0.449	0.467	-4.0	116	0.00
81	Benzo(a)anthracene	1.288	1.313	-1.9	116	0.00
82	3,3'-Dichlorobenzidine	0.369	0.359	2.7	112	0.00
83	Chrysene	1.157	1.120	3.2	117	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.667	2.6	109	0.00
85 c	Di-n-octyl phthalate	1.268	1.204	5.0	108	0.00
86 I	Perylene-d12	1.000	1.000	0.0	106	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.411	1.8	103	0.00
88	Benzo(b)fluoranthene	1.112	1.096	1.4	108	0.00
89	Benzo(k)fluoranthene	1.064	1.091	-2.5	107	0.00
90 C	Benzo(a)pyrene	1.032	1.037	-0.5	106	0.00
91	Dibenzo(a,h)anthracene	1.151	1.133	1.6	103	-0.01
92	Benzo(g,h,i)perylene	1.145	1.144	0.1	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
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Instrument :
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	107	0.00
2	1,4-Dioxane	40.000	39.182	2.0	104	0.00
3	Pyridine	40.000	40.378	-0.9	106	0.00
4	n-Nitrosodimethylamine	40.000	40.802	-2.0	108	-0.02
5 S	2-Fluorophenol	80.000	79.796	0.3	107	0.00
6	Aniline	40.000	40.468	-1.2	108	0.00
7 S	Phenol-d6	80.000	79.236	1.0	107	-0.01
8	2-Chlorophenol	40.000	40.225	-0.6	107	0.00
9	Benzaldehyde	40.000	42.346	-5.9	108	0.00
10 C	Phenol	40.000	40.587	-1.5	107	0.00
11	bis(2-Chloroethyl)ether	40.000	40.011	-0.0	107	0.00
12	1,3-Dichlorobenzene	40.000	39.721	0.7	107	0.00
13 C	1,4-Dichlorobenzene	40.000	39.445	1.4	107	0.00
14	1,2-Dichlorobenzene	40.000	39.765	0.6	107	0.00
15	Benzyl Alcohol	40.000	41.185	-3.0	108	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.039	-0.1	107	0.00
17	2-Methylphenol	40.000	40.687	-1.7	109	0.00
18	Hexachloroethane	40.000	40.592	-1.5	107	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.547	1.1	108	-0.01
20	3+4-Methylphenols	40.000	40.559	-1.4	108	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22	Acetophenone	40.000	38.990	2.5	108	0.00
23 S	Nitrobenzene-d5	80.000	80.608	-0.8	108	0.00
24	Nitrobenzene	40.000	40.579	-1.4	108	0.00
25	Isophorone	40.000	40.343	-0.9	110	0.00
26 C	2-Nitrophenol	40.000	41.747	-4.4	109	0.00
27	2,4-Dimethylphenol	40.000	39.655	0.9	106	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.210	-0.5	108	0.00
29 C	2,4-Dichlorophenol	40.000	40.217	-0.5	108	0.00
30	1,2,4-Trichlorobenzene	40.000	39.404	1.5	107	0.00
31	Naphthalene	40.000	39.033	2.4	107	0.00
32	Benzoic acid	40.000	41.489	-3.7	115	-0.02
33	4-Chloroaniline	40.000	40.234	-0.6	107	0.00
34 C	Hexachlorobutadiene	40.000	39.523	1.2	107	0.00
35	Caprolactam	40.000	44.838	-12.1	117	-0.02
36 C	4-Chloro-3-methylphenol	40.000	40.569	-1.4	109	0.00
37	2-Methylnaphthalene	40.000	38.877	2.8	106	0.00
38	1-Methylnaphthalene	40.000	39.260	1.9	107	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.786	3.0	107	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.756	0.6	110	0.00
42 S	2,4,6-Tribromophenol	80.000	80.753	-0.9	109	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.105	-2.8	108	0.00
44	2,4,5-Trichlorophenol	40.000	39.178	2.1	107	0.00
45 S	2-Fluorobiphenyl	80.000	76.290	4.6	108	0.00
46	1,1'-Biphenyl	40.000	38.997	2.5	108	0.00
47	2-Chloronaphthalene	40.000	39.068	2.3	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
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ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.861	-4.7	110	0.00
49	Acenaphthylene	40.000	39.557	1.1	108	0.00
50	Dimethylphthalate	40.000	40.935	-2.3	112	0.00
51	2,6-Dinitrotoluene	40.000	42.459	-6.1	111	0.00
52 C	Acenaphthene	40.000	39.941	0.1	109	0.00
53	3-Nitroaniline	40.000	42.506	-6.3	112	0.00
54 P	2,4-Dinitrophenol	40.000	43.761	-9.4	125	0.00
55	Dibenzofuran	40.000	39.023	2.4	107	0.00
56 P	4-Nitrophenol	40.000	46.387	-16.0	118	0.00
57	2,4-Dinitrotoluene	40.000	43.183	-8.0	111	0.00
58	Fluorene	40.000	38.901	2.7	108	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.767	-6.9	112	0.00
60	Diethylphthalate	40.000	41.708	-4.3	113	0.00
61	4-Chlorophenyl-phenylether	40.000	39.269	1.8	108	0.00
62	4-Nitroaniline	40.000	43.927	-9.8	115	0.00
63	Azobenzene	40.000	39.982	0.0	108	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	110	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.849	-9.6	115	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.212	2.0	109	0.00
67	4-Bromophenyl-phenylether	40.000	40.305	-0.8	110	0.00
68	Hexachlorobenzene	40.000	39.544	1.1	109	0.00
69	Atrazine	40.000	43.693	-9.2	119	0.00
70 C	Pentachlorophenol	40.000	43.916	-9.8	115	0.00
71	Phenanthrene	40.000	39.237	1.9	112	0.00
72	Anthracene	40.000	39.390	1.5	110	0.00
73	Carbazole	40.000	40.413	-1.0	112	0.00
74	Di-n-butylphthalate	40.000	43.507	-8.8	117	0.00
75 C	Fluoranthene	40.000	40.261	-0.7	113	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	116	0.00
77	Benzydine	40.000	39.962	0.1	110	0.00
78	Pyrene	40.000	38.897	2.8	114	0.00
79 S	Terphenyl-d14	80.000	76.705	4.1	113	0.00
80	Butylbenzylphthalate	40.000	41.549	-3.9	116	0.00
81	Benzo(a)anthracene	40.000	40.783	-2.0	116	0.00
82	3,3'-Dichlorobenzidine	40.000	38.975	2.6	112	0.00
83	Chrysene	40.000	38.711	3.2	117	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.990	2.5	109	0.00
85 c	Di-n-octyl phthalate	40.000	37.975	5.1	108	0.00
86 I	Perylene-d12	20.000	20.000	0.0	106	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.281	1.8	103	0.00
88	Benzo(b)fluoranthene	40.000	39.433	1.4	108	0.00
89	Benzo(k)fluoranthene	40.000	40.992	-2.5	107	0.00
90 C	Benzo(a)pyrene	40.000	40.208	-0.5	106	0.00
91	Dibenzo(a,h)anthracene	40.000	39.378	1.6	103	-0.01
92	Benzo(g,h,i)perylene	40.000	39.992	0.0	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP025399.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07	
3) Pyridine	1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77	
4) n-Nitrosodimet...		0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13	
5) S 2-Fluorophenol	1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42	
6) Aniline	2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96	
7) S Phenol-d6	1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16	
8) 2-Chlorophenol	1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83	
9) Benzaldehyde		0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12	
10) C Phenol	1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87	
11) bis(2-Chloroet...	1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78	
12) 1,3-Dichlorobe...	1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07	
13) C 1,4-Dichlorobe...	1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12	
14) 1,2-Dichlorobe...	1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35	
15) Benzyl Alcohol		1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83	
16) 2,2'-oxybis(1-...	1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96	
17) 2-Methylphenol	1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41	
18) Hexachloroethane	0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13	
19) P n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20) 3+4-Methylphenols		1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87	
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96	
23) S Nitrobenzene-d5	0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65	
24) Nitrobenzene	0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21	
25) Isophorone	0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70	
26) C 2-Nitrophenol	0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43	
27) 2,4-Dimethylph...	0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46	
28) bis(2-Chloroet...	0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61	
29) C 2,4-Dichloroph...	0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71	
30) 1,2,4-Trichlor...	0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61	
31) Naphthalene	1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06	
32) Benzoic acid		0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20	
33) 4-Chloroaniline	0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19	
34) C Hexachlorobuta...	0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05	
35) Caprolactam		0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67	
36) C 4-Chloro-3-met...	0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85	
37) 2-Methylnaphth...	0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69	
38) 1-Methylnaphth...	0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP081425.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.578	0.559	0.585	0.560	0.610	0.581	0.571	0.578	3.00
41) P	Hexachlorocycl...	0.274	0.313	0.348	0.387	0.388	0.383	0.349		13.46
42) S	2,4,6-Tribromo...	0.266	0.259	0.267	0.263	0.286	0.275	0.268	0.269	3.39
43) C	2,4,6-Trichlor...	0.368	0.364	0.381	0.382	0.421	0.408	0.405	0.390	5.56
44)	2,4,5-Trichlor...	0.417	0.385	0.424	0.424	0.457	0.448	0.437	0.427	5.52
45) S	2-Fluorobiphenyl	1.558	1.483	1.507	1.392	1.517	1.435	1.351	1.463	5.04
46)	1,1'-Biphenyl	1.495	1.418	1.457	1.408	1.537	1.445	1.407	1.453	3.37
47)	2-Chloronaphth...	1.152	1.093	1.144	1.101	1.184	1.142	1.100	1.131	2.99
48)	2-Nitroaniline	0.301	0.306	0.317	0.330	0.360	0.351	0.341	0.329	6.85
49)	Acenaphthylene	1.907	1.806	1.848	1.806	1.992	1.907	1.832	1.871	3.63
50)	Dimethylphthalate	1.569	1.449	1.438	1.403	1.512	1.479	1.403	1.465	4.12
51)	2,6-Dinitrotol...	0.297	0.287	0.302	0.309	0.331	0.323	0.311	0.309	4.95
52) C	Acenaphthene	1.149	1.082	1.100	1.041	1.155	1.106	1.056	1.098	3.93
53)	3-Nitroaniline	0.318	0.329	0.337	0.342	0.384	0.367	0.354	0.347	6.56
54) P	2,4-Dinitrophenol	0.114	0.140	0.163	0.186	0.192	0.194	0.165		19.83
55)	Dibenzofuran	1.820	1.711	1.737	1.677	1.811	1.729	1.672	1.736	3.40
56) P	4-Nitrophenol	0.251	0.265	0.279	0.315	0.304	0.298	0.285		8.56
57)	2,4-Dinitrotol...	0.404	0.407	0.431	0.438	0.479	0.471	0.454	0.440	6.61
58)	Fluorene	1.506	1.391	1.390	1.306	1.415	1.330	1.253	1.370	6.02
59)	2,3,4,6-Tetrac...	0.375	0.360	0.366	0.368	0.402	0.392	0.379	0.377	4.01
60)	Diethylphthalate	1.615	1.475	1.465	1.434	1.540	1.459	1.430	1.488	4.48
61)	4-Chlorophenyl...	0.761	0.684	0.679	0.651	0.690	0.671	0.634	0.681	5.91
62)	4-Nitroaniline	0.341	0.336	0.349	0.351	0.387	0.370	0.359	0.356	4.89
63)	Azobenzene	1.315	1.226	1.274	1.237	1.341	1.301	1.227	1.274	3.62
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.096	0.113	0.123	0.139	0.139	0.138	0.125		14.21
66) c	n-Nitrosodiphe...	0.636	0.603	0.607	0.591	0.634	0.605	0.594	0.610	2.99
67)	4-Bromophenyl-...	0.233	0.206	0.217	0.213	0.230	0.223	0.218	0.220	4.34
68)	Hexachlorobenzene	0.264	0.253	0.254	0.242	0.264	0.257	0.251	0.255	3.06
69)	Atrazine	0.229	0.226	0.228	0.218	0.240	0.229	0.229	0.228	2.74
70) C	Pentachlorophenol	0.135	0.154	0.157	0.177	0.171	0.172	0.161		9.76
71)	Phenanthrene	1.162	1.101	1.111	1.040	1.135	1.085	1.057	1.099	3.88
72)	Anthracene	1.161	1.124	1.133	1.079	1.175	1.101	1.080	1.122	3.37
73)	Carbazole	1.079	1.052	1.074	1.007	1.111	1.053	1.022	1.057	3.32
74)	Di-n-butylphth...	1.345	1.255	1.332	1.244	1.374	1.285	1.265	1.300	3.86
75) C	Fluoranthene	1.370	1.323	1.348	1.228	1.361	1.286	1.258	1.311	4.13
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.642	0.642	0.967	0.664	0.608	0.573	0.683		20.94
78)	Pyrene	1.398	1.261	1.287	1.274	1.320	1.319	1.241	1.300	4.00
79) S	Terphenyl-d14	1.249	1.100	1.097	1.045	1.100	1.061	0.999	1.093	7.15
80)	Butylbenzylpht...	0.589	0.557	0.592	0.579	0.614	0.616	0.578	0.589	3.55
81)	Benzo(a)anthra...	1.384	1.302	1.313	1.268	1.359	1.333	1.275	1.319	3.21
82)	3,3'-Dichlorob...	0.482	0.507	0.488	0.521	0.506	0.480	0.497		3.31
83)	Chrysene	1.292	1.214	1.249	1.182	1.280	1.243	1.186	1.235	3.49
84)	Bis(2-ethylhex...	0.907	0.826	0.874	0.831	0.901	0.882	0.850	0.867	3.73
85) c	Di-n-octyl pht...	1.381	1.498	1.444	1.572	1.563	1.491	1.492		4.84

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.454	1.385	1.440	1.411	1.569	1.522	1.486	1.467	4.36
88)	Benzo(b)fluora...	1.203	1.126	1.171	1.134	1.250	1.197	1.175	1.179	3.60
89)	Benzo(k)fluora...	1.202	1.157	1.200	1.130	1.226	1.206	1.141	1.180	3.16
90) C	Benzo(a)pyrene	1.139	1.093	1.150	1.108	1.219	1.185	1.141	1.148	3.77
91)	Dibenzo(a,h)an...	1.180	1.125	1.179	1.156	1.290	1.244	1.216	1.199	4.64
92)	Benzo(g,h,i)pe...	1.162	1.118	1.169	1.138	1.248	1.220	1.192	1.178	3.86

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

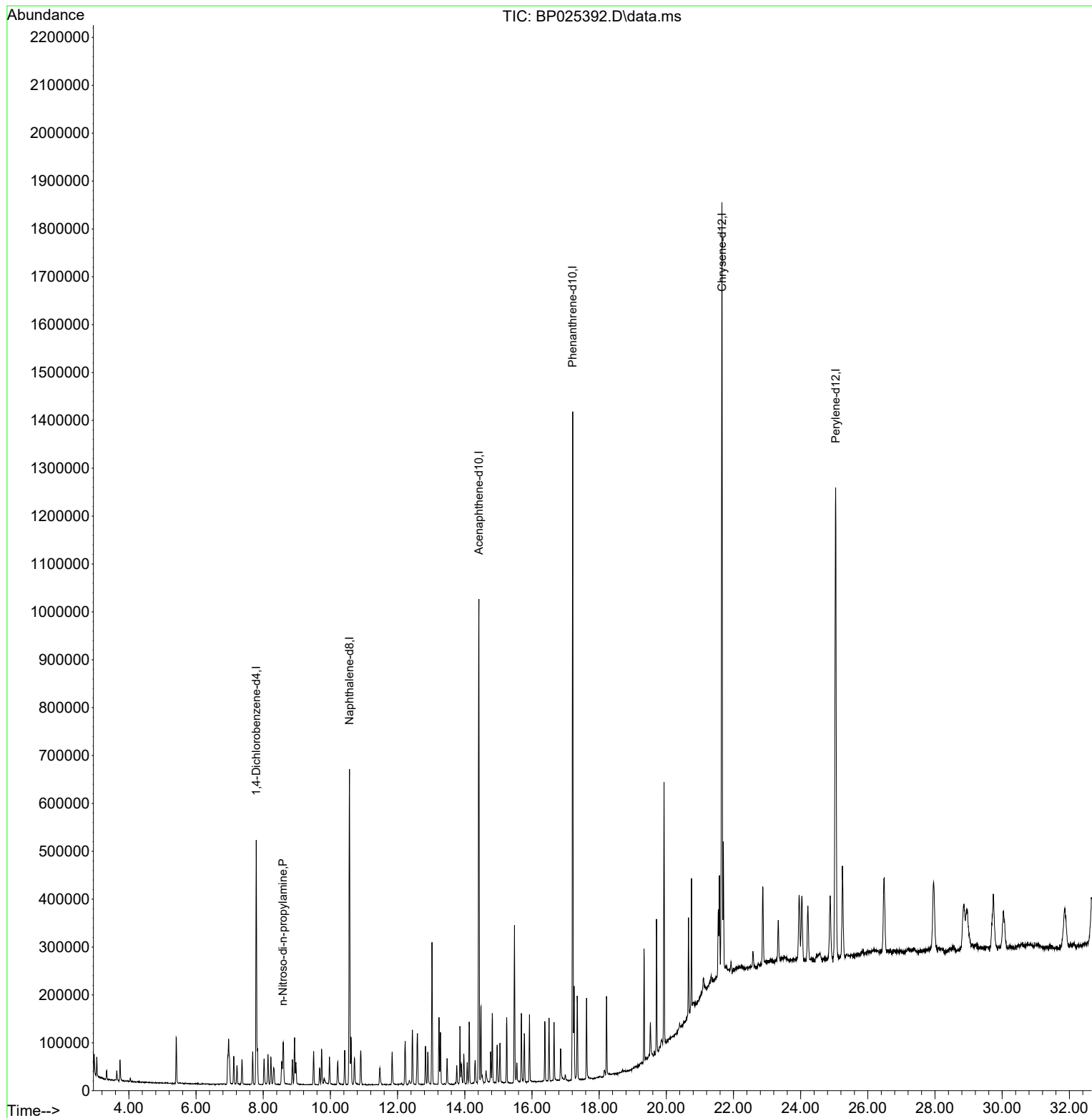
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	140275	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	567766	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	380728	20.000	ng	0.01
64) Phenanthrene-d10	17.213	188	796256	20.000	ng	0.01
76) Chrysene-d12	21.660	240	884747	20.000	ng	0.01
86) Perylene-d12	25.042	264	1005304	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.584	70	17781	2.476	ng	99

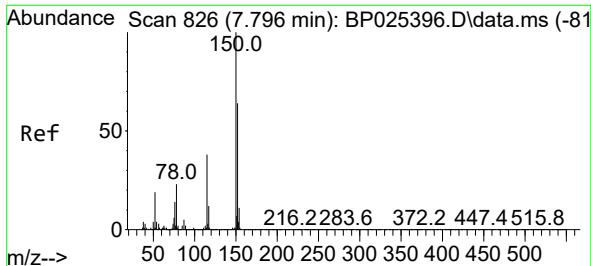
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

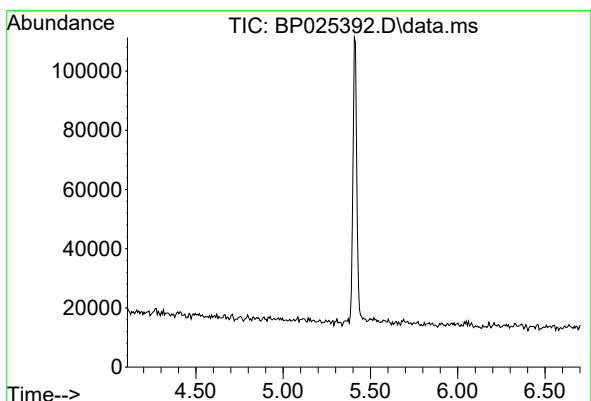
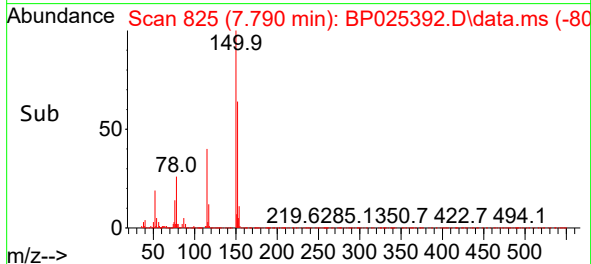
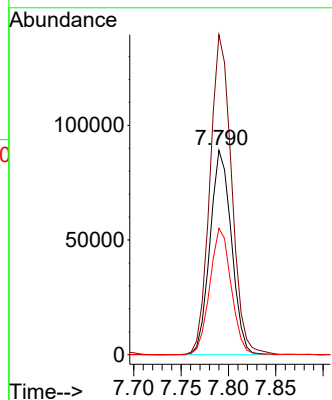
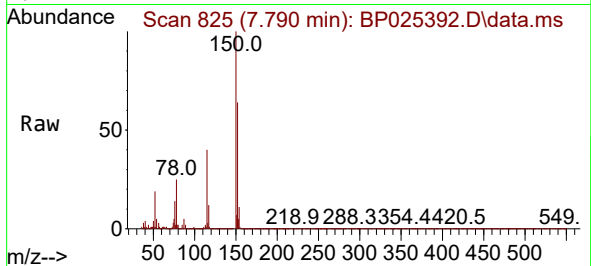




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025392.D
 Acq: 14 Aug 2025 12:33

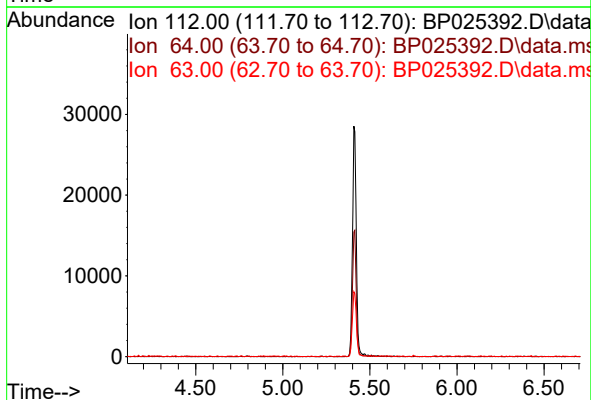
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC2.5

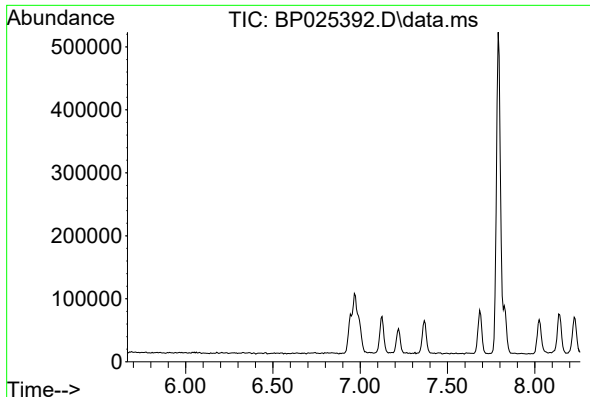
Tgt Ion:	152	Resp:	140275
Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.9	188.9
115	61.9	48.5	72.7



#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.41 min
 Lab File: BP025392.D
 Acq: 14 Aug 2025 12:33

Tgt Ion:	112
Sig	Exp Ratio
112	100
64	54.8
63	28.4

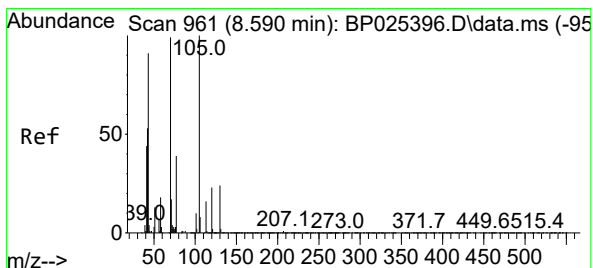
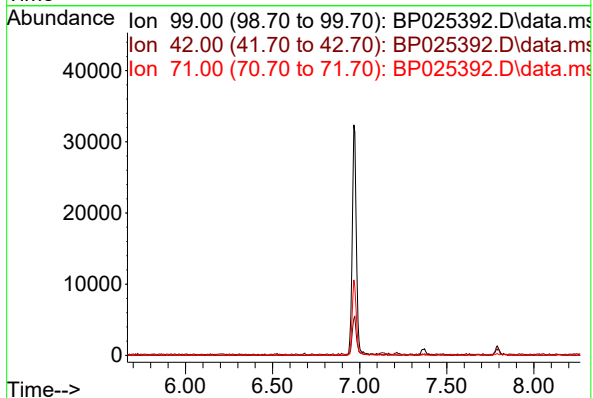




#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.97 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

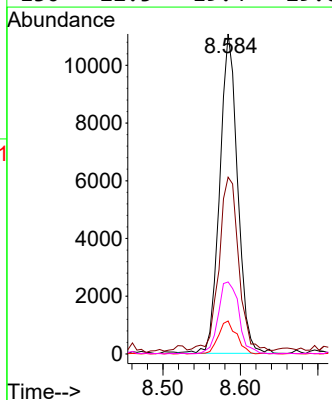
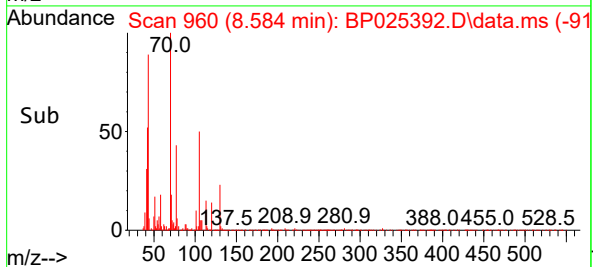
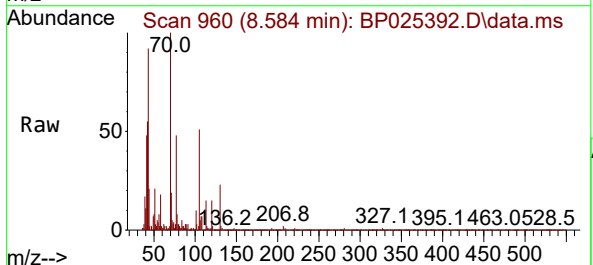
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

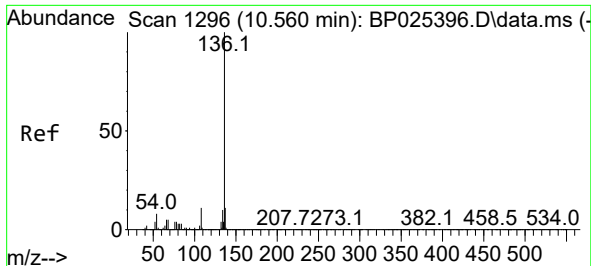
Tgt Ion: 99
Sig Exp Ratio
99 100
42 17.1
71 35.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.476 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

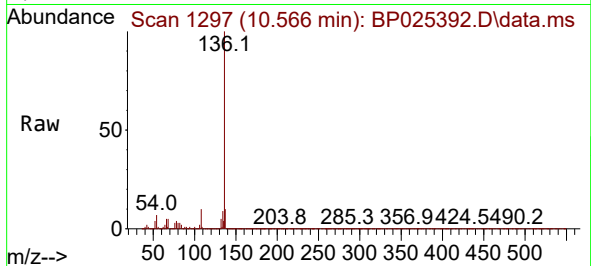
Tgt Ion: 70 Resp: 17781
Ion Ratio Lower Upper
70 100
42 55.2 43.8 65.6
101 10.3 8.5 12.7
130 22.5 19.4 29.0



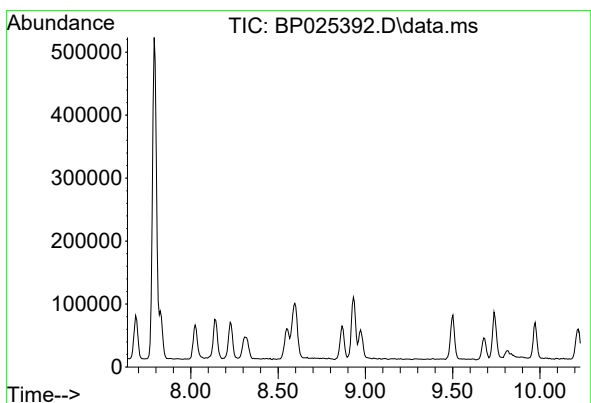
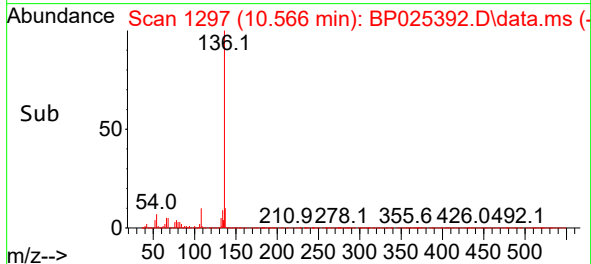
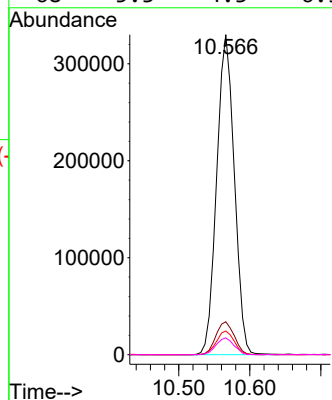


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5



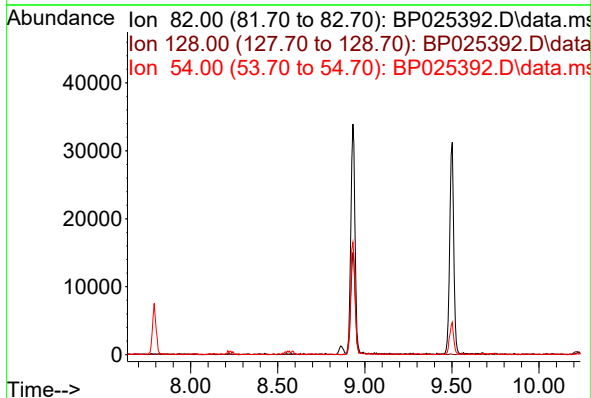
Tgt Ion:	136	Resp:	567766
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.2	13.8
54	7.4	6.0	9.0
68	5.3	4.3	6.5

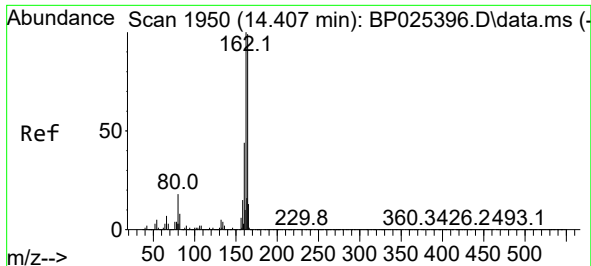


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.94 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

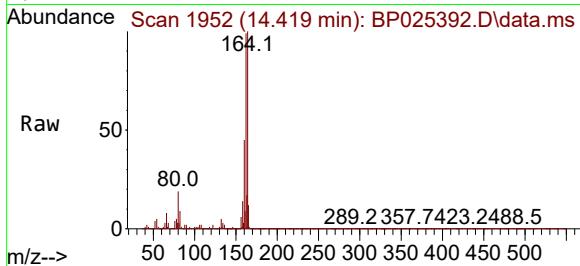
Tgt Ion:	82
Sig	Exp Ratio
82	100
128	47.1
54	49.7



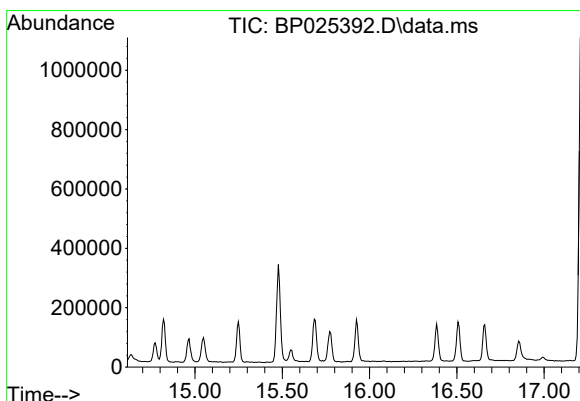
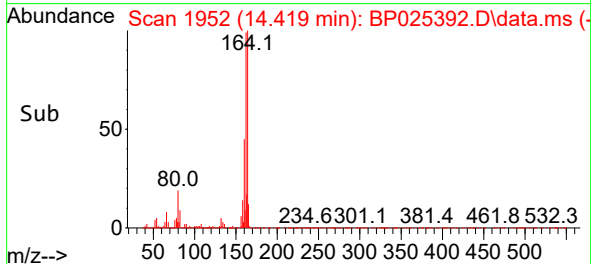
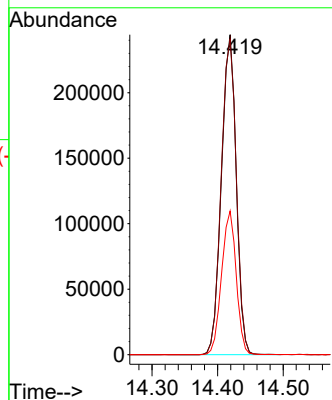


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5



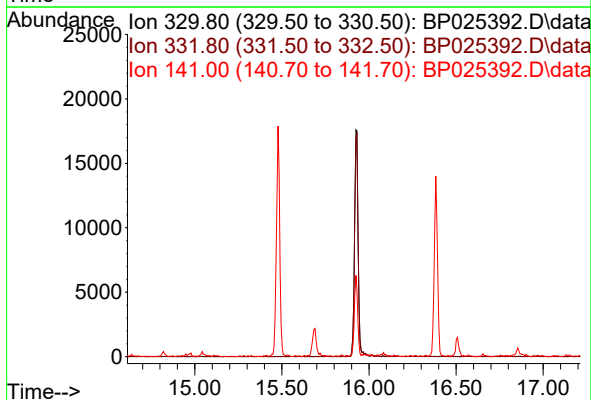
Tgt Ion:164 Resp: 380728
Ion Ratio Lower Upper
164 100
162 98.7 81.0 121.6
160 44.9 35.4 53.2

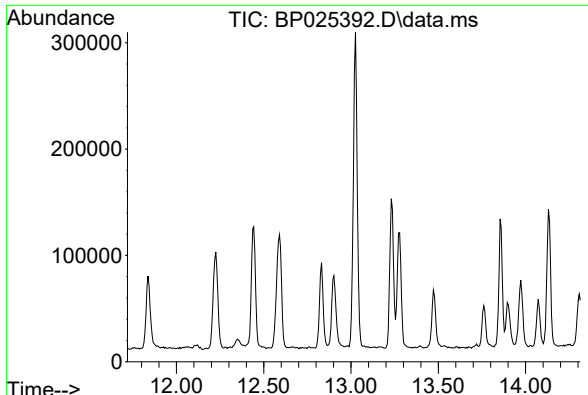


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.91 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 330
Sig Exp Ratio
330 100
332 96.6
141 33.2

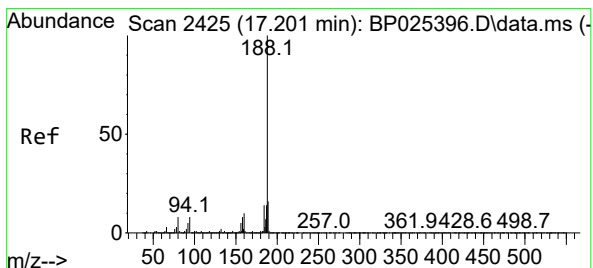
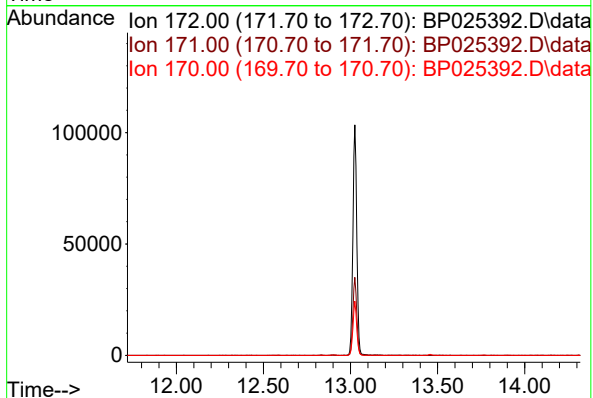




#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.02 min
 Lab File: BP025392.D
 Acq: 14 Aug 2025 12:33

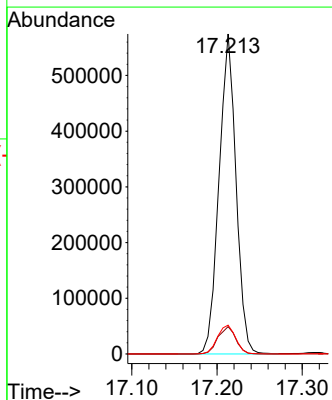
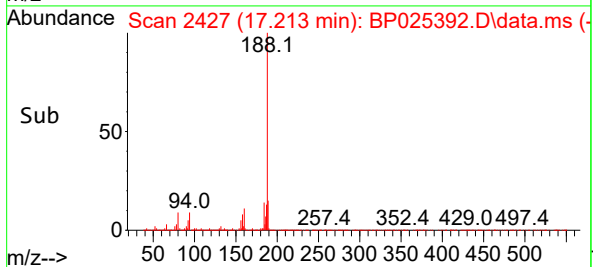
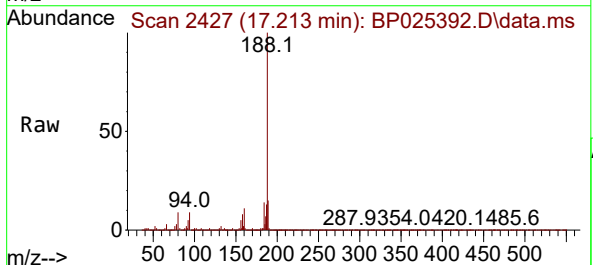
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC2.5

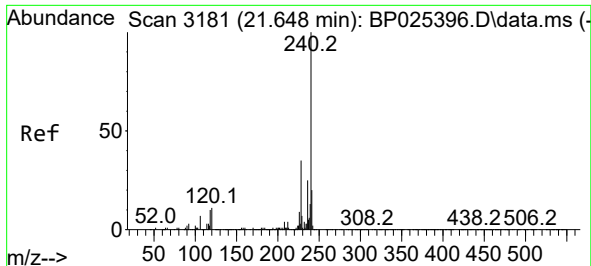
Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 35.1
 170 23.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.213 min Scan# 2427
 Delta R.T. 0.012 min
 Lab File: BP025392.D
 Acq: 14 Aug 2025 12:33

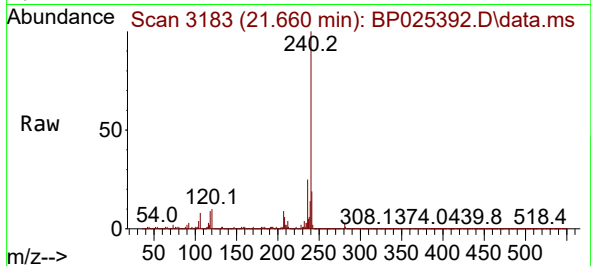
Tgt Ion: 188 Resp: 796256
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.6 10.0
 80 9.0 6.7 10.1



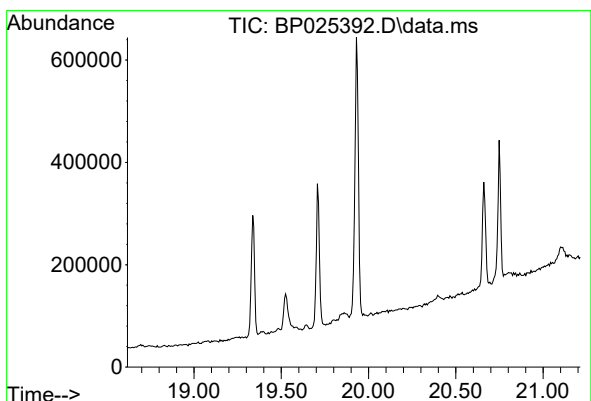
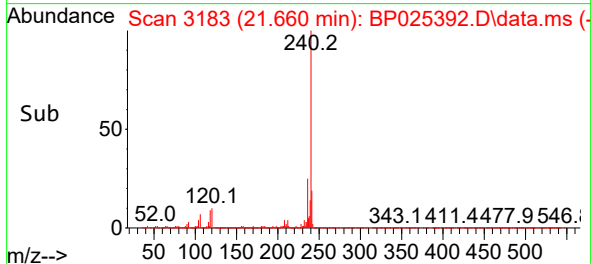
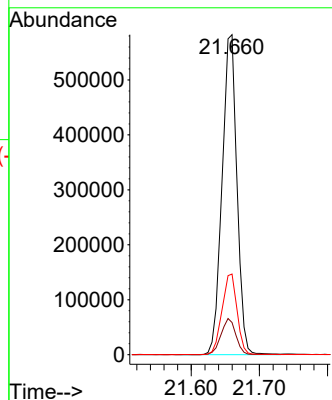


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5



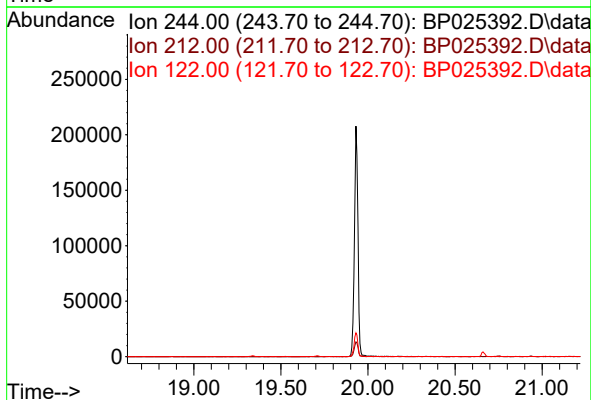
Tgt Ion: 240 Resp: 884747
Ion Ratio Lower Upper
240 100
120 10.0 8.9 13.3
236 25.2 19.8 29.8

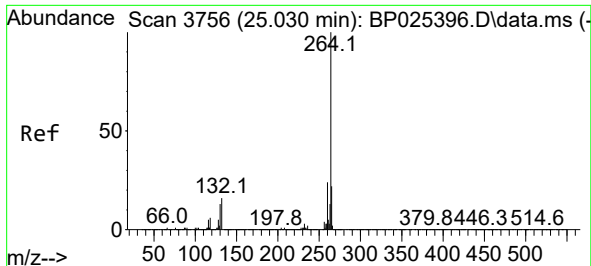


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.92 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

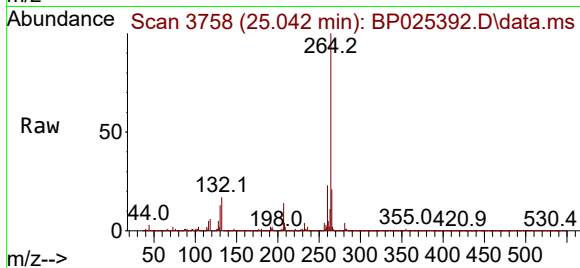
Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.2
122 9.3



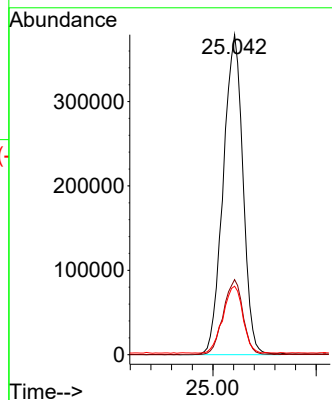
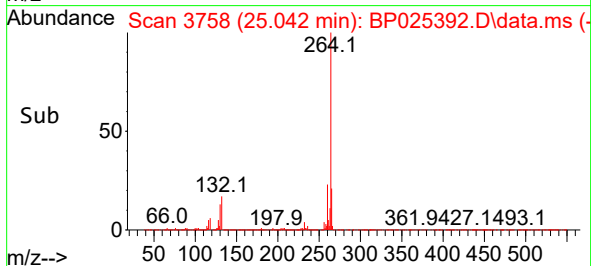


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.042 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BP025392.D
 Acq: 14 Aug 2025 12:33

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC2.5



Tgt Ion:264 Resp: 1005304
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.3 28.9
 265 21.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025393.D
 Acq On : 14 Aug 2025 13:15
 Operator : CG/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:52:32 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	130958	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	551384	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	392376	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	816331	20.000	ng	0.00
76) Chrysene-d12	21.654	240	858165	20.000	ng	0.00
86) Perylene-d12	25.036	264	963881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	80645	10.227	ng	0.00
7) Phenol-d6	6.966	99	97106	9.605	ng	0.00
23) Nitrobenzene-d5	8.931	82	108814	9.983	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	52188	9.881	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	305742	10.649	ng	0.00
79) Terphenyl-d14	19.925	244	536049	11.428	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	17016	5.509	ng	95
3) Pyridine	3.731	79	47347	5.600	ng	95
6) Aniline	7.119	93	68694	5.043	ng	100
8) 2-Chlorophenol	7.366	128	44217	4.969	ng	98
10) Phenol	6.990	94	52186	4.919	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	41995	5.079	ng	98
12) 1,3-Dichlorobenzene	7.684	146	50146	5.111	ng	96
13) 1,4-Dichlorobenzene	7.825	146	51948	5.180	ng	97
14) 1,2-Dichlorobenzene	8.143	146	50995	5.253	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.313	45	57686	5.208	ng	98
17) 2-Methylphenol	8.225	107	35186	4.776	ng	96
18) Hexachloroethane	8.866	117	18905	5.127	ng	99
19) n-Nitroso-di-n-propyla...	8.584	70	34898	5.205	ng	95
22) Acetophenone	8.602	105	70986	5.134	ng	# 96
24) Nitrobenzene	8.972	77	48234	4.951	ng	99
25) Isophorone	9.496	82	101112	5.242	ng	98
26) 2-Nitrophenol	9.678	139	23020	4.605	ng	95
27) 2,4-Dimethylphenol	9.737	122	41790	4.861	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	61017	5.233	ng	98
29) 2,4-Dichlorophenol	10.213	162	40336	4.723	ng	94
30) 1,2,4-Trichlorobenzene	10.425	180	49237	5.259	ng	97
31) Naphthalene	10.613	128	147346	5.141	ng	99
33) 4-Chloroaniline	10.713	127	62452	4.933	ng	96
34) Hexachlorobutadiene	10.902	225	30559	5.241	ng	95
36) 4-Chloro-3-methylphenol	11.837	107	50515	5.154	ng	91
37) 2-Methylnaphthalene	12.219	142	98648	5.289	ng	97
38) 1-Methylnaphthalene	12.437	142	107044	5.397	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	56676	5.001	ng	100
43) 2,4,6-Trichlorophenol	12.831	196	36093	4.718	ng	95
44) 2,4,5-Trichlorophenol	12.901	196	40875	4.875	ng	95
46) 1,1'-Biphenyl	13.237	154	146651	5.146	ng	98
47) 2-Chloronaphthalene	13.272	162	113015	5.094	ng	99
48) 2-Nitroaniline	13.466	65	29527	4.568	ng	98
49) Acenaphthylene	14.125	152	187026	5.095	ng	99
50) Dimethylphthalate	13.860	163	153868	5.355	ng	99
51) 2,6-Dinitrotoluene	13.966	165	29088	4.803	ng	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025393.D
 Acq On : 14 Aug 2025 13:15
 Operator : CG/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

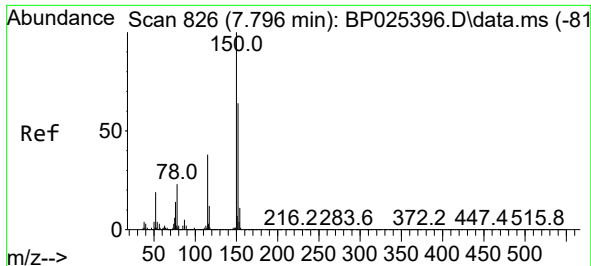
Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.472	154	112730m	5.232	ng	
53) 3-Nitroaniline	14.301	138	31224	4.583	ng	85
55) Dibenzofuran	14.813	168	178494	5.240	ng	99
57) 2,4-Dinitrotoluene	14.760	165	39658	4.590	ng	94
58) Fluorene	15.472	166	147760	5.497	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.037	232	36779	4.968	ng	99
60) Diethylphthalate	15.237	149	158426	5.426	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	74636	5.583	ng	99
62) 4-Nitroaniline	15.478	138	33466	4.791	ng	90
63) Azobenzene	15.760	77	128978	5.159	ng	99
66) n-Nitrosodiphenylamine	15.678	169	129805	5.214	ng	97
67) 4-Bromophenyl-phenylether	16.378	248	47579	5.299	ng	98
68) Hexachlorobenzene	16.501	284	53940	5.183	ng	98
69) Atrazine	16.648	200	46750	5.015	ng	96
71) Phenanthrene	17.248	178	237107	5.287	ng	98
72) Anthracene	17.342	178	236938	5.174	ng	99
73) Carbazole	17.619	167	220112	5.103	ng	98
74) Di-n-butylphthalate	18.231	149	274467	5.172	ng	99
75) Fluoranthene	19.336	202	279497	5.225	ng	99
78) Pyrene	19.713	202	299922	5.377	ng	98
80) Butylbenzylphthalate	20.654	149	126321	4.997	ng	99
81) Benzo(a)anthracene	21.636	228	296847	5.245	ng	100
83) Chrysene	21.701	228	277175	5.229	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	194541	5.228	ng	97
87) Indeno(1,2,3-cd)pyrene	28.865	276	350414	4.956	ng	98
88) Benzo(b)fluoranthene	23.960	252	289797	5.099	ng	99
89) Benzo(k)fluoranthene	24.042	252	289556	5.091	ng	98
90) Benzo(a)pyrene	24.877	252	274440	4.960	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	284440	4.924	ng	100
92) Benzo(g,h,i)perylene	30.036	276	279987	4.931	ng	97

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



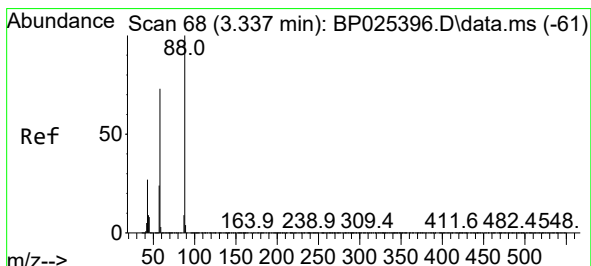
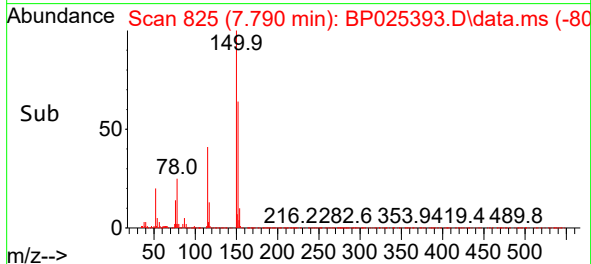
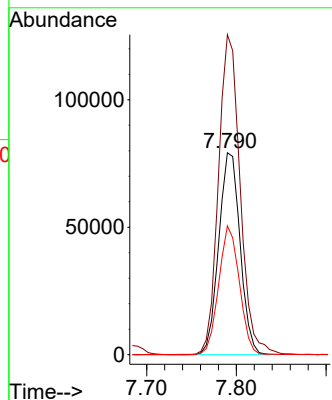
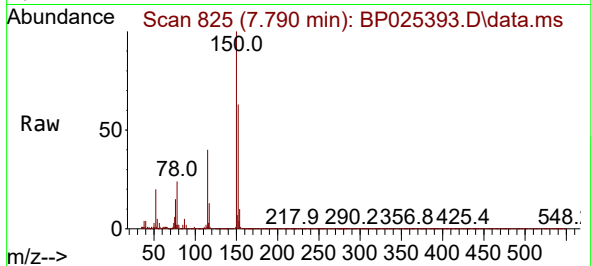
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
Client SampleId :
SSTDICC005

Tgt Ion: 152 Resp: 130958
Ion Ratio Lower Upper
152 100
150 158.5 125.9 188.9
115 63.8 48.5 72.7

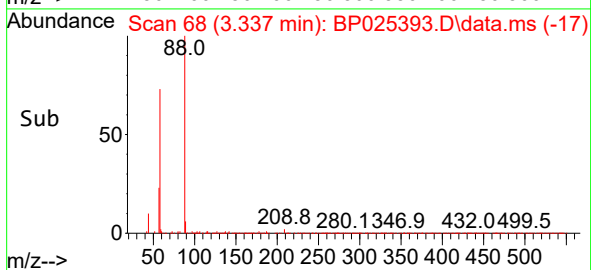
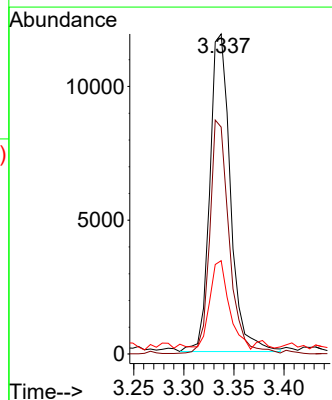
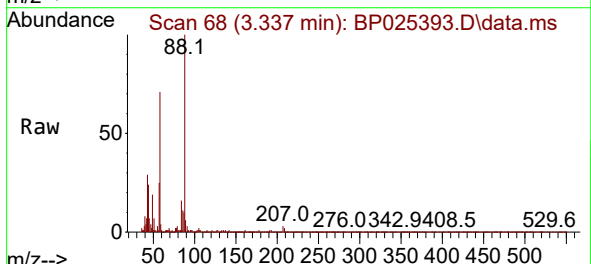
Manual Integrations
APPROVED

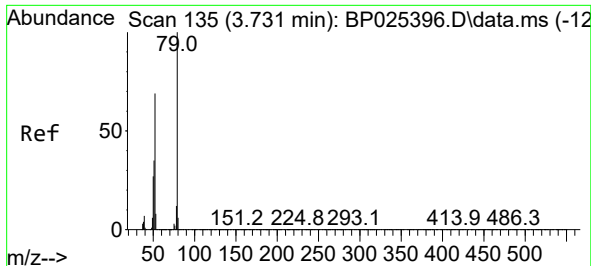
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 5.509 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

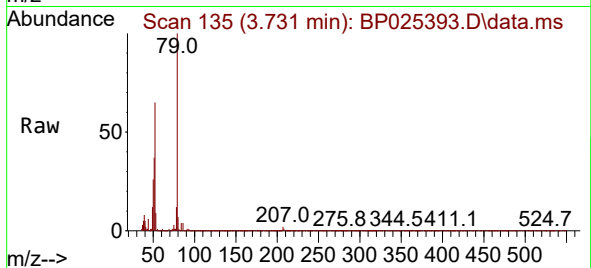
Tgt Ion: 88 Resp: 17016
Ion Ratio Lower Upper
88 100
58 69.1 59.2 88.8
43 26.1 21.7 32.5





#3
Pyridine
Concen: 5.600 ng
RT: 3.731 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

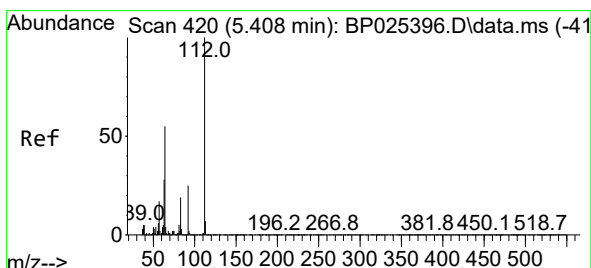
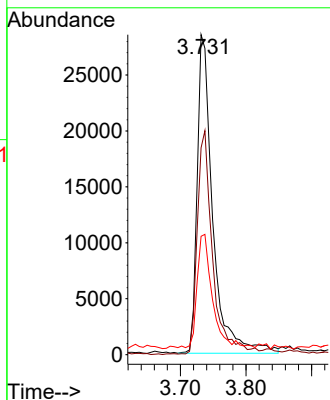
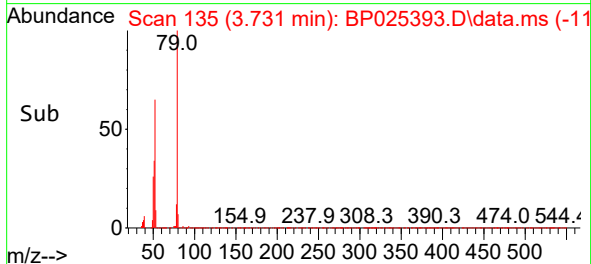
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



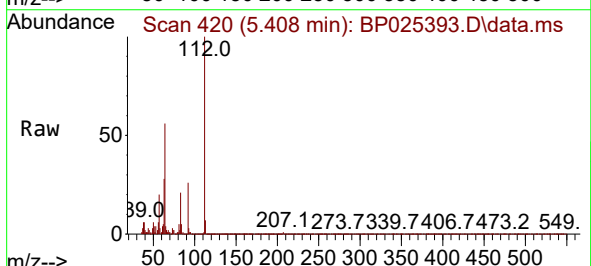
Tgt Ion: 79 Resp: 4734
Ion Ratio Lower Upper
79 100
52 64.7 55.5 83.3
51 37.0 28.3 42.5

Manual Integrations
APPROVED

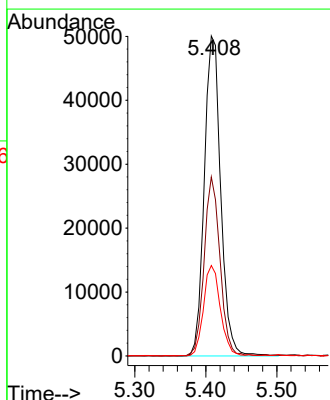
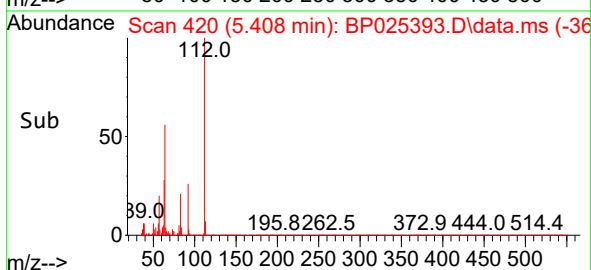
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

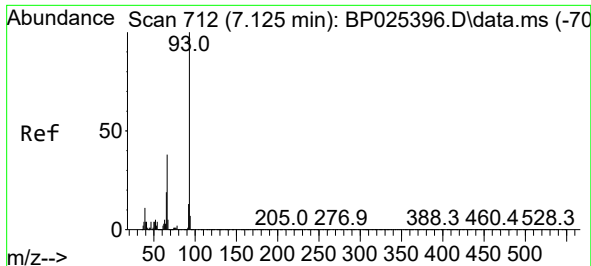


#5
2-Fluorophenol
Concen: 10.227 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



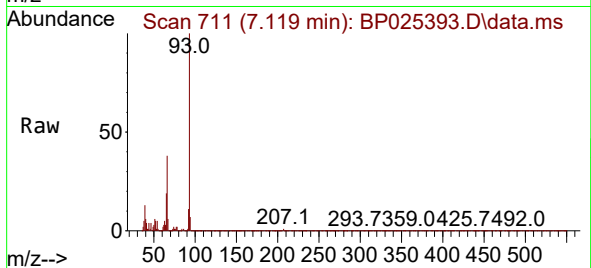
Tgt Ion:112 Resp: 80645
Ion Ratio Lower Upper
112 100
64 55.9 43.8 65.8
63 28.3 22.7 34.1





#6
Aniline
Concen: 5.043 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

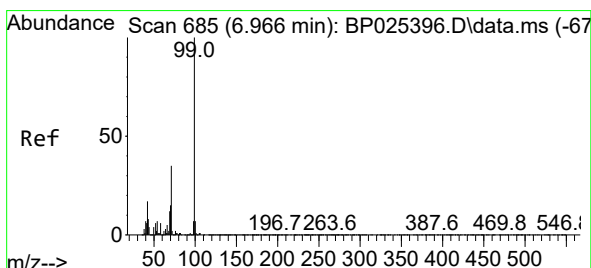
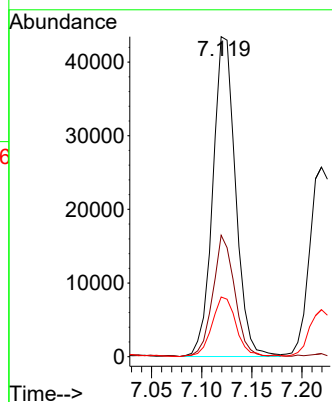
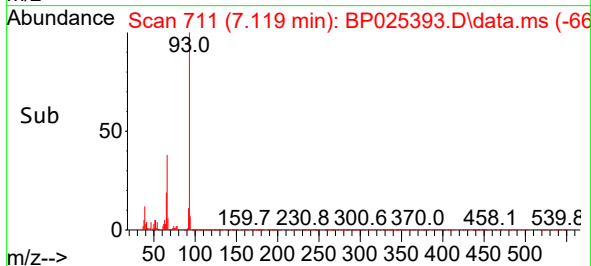
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



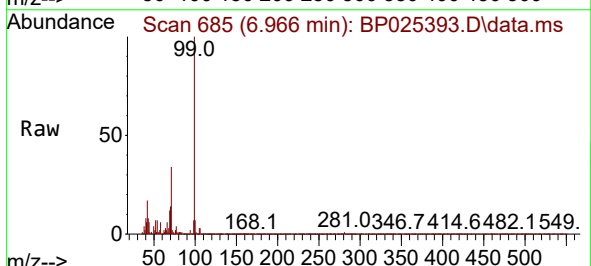
Tgt Ion: 93 Resp: 68694
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 18.6 15.3 22.9

Manual Integrations
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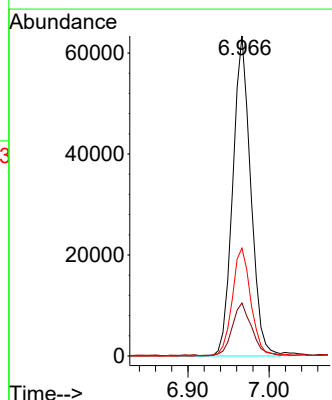
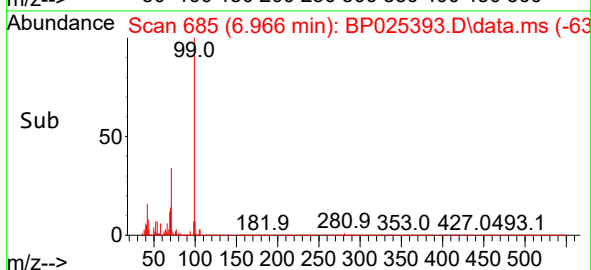
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

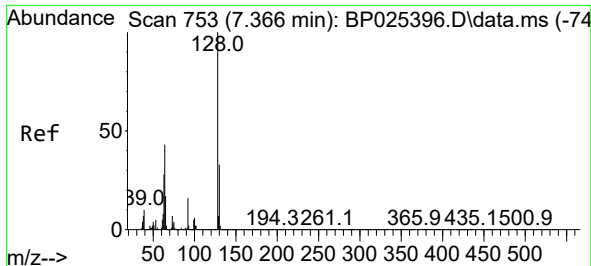


#7
Phenol-d6
Concen: 9.605 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion: 99 Resp: 97106
Ion Ratio Lower Upper
99 100
42 16.5 13.7 20.5
71 33.7 28.2 42.4





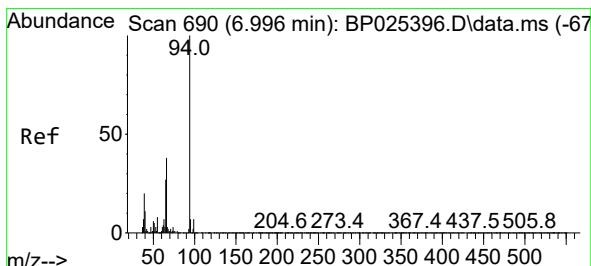
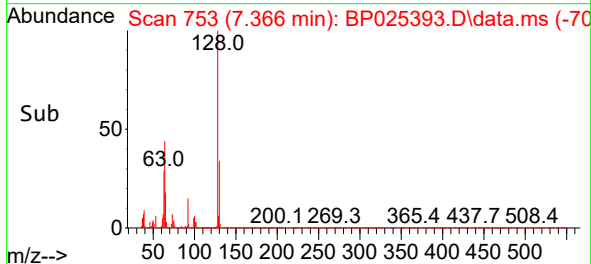
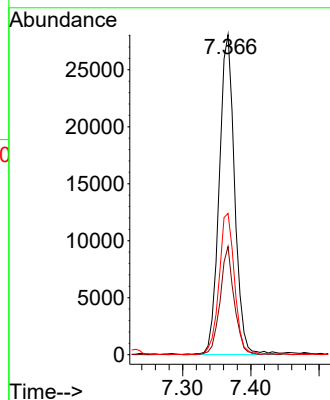
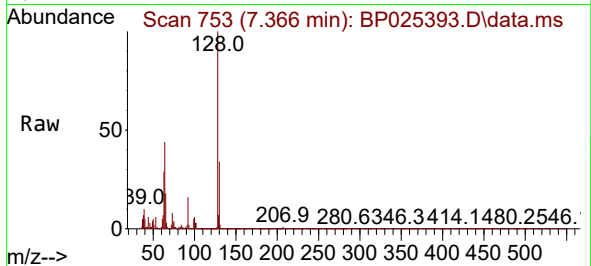
#8
2-Chlorophenol
Concen: 4.969 ng
RT: 7.366 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 4421
Ion Ratio Lower Upper
128 100
130 33.8 12.6 52.6
64 44.1 23.4 63.4

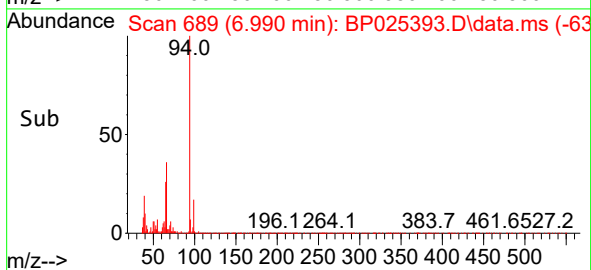
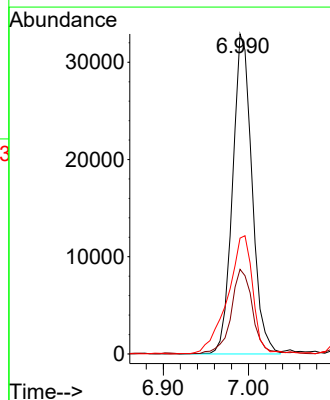
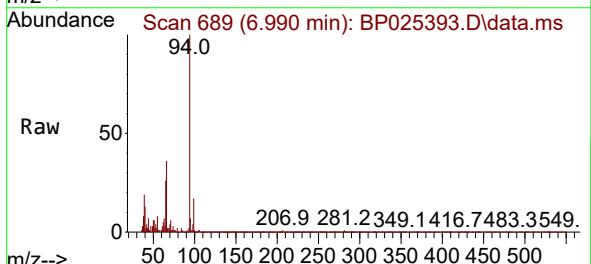
Manual Integrations
APPROVED

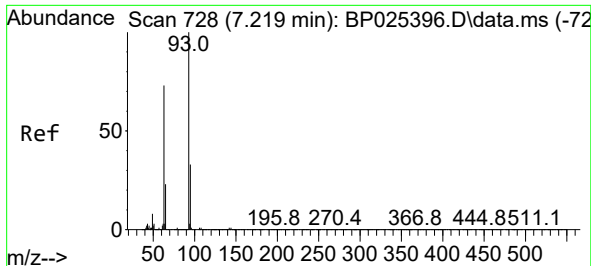
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#10
Phenol
Concen: 4.919 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

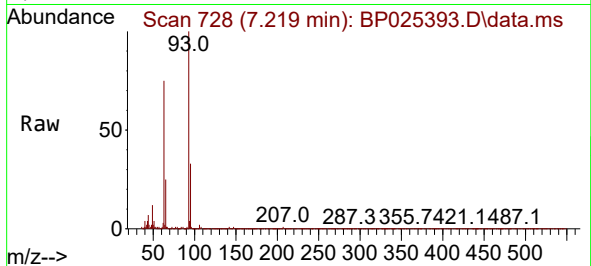
Tgt Ion: 94 Resp: 52186
Ion Ratio Lower Upper
94 100
65 26.5 6.8 46.8
66 36.2 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 5.079 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

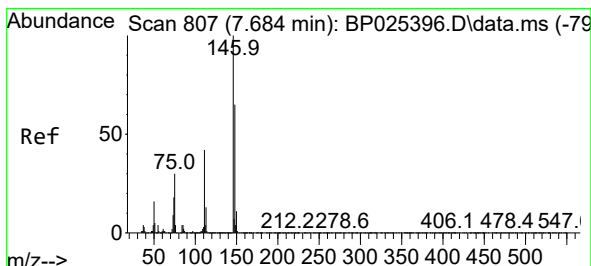
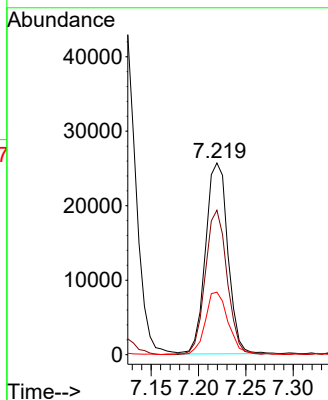
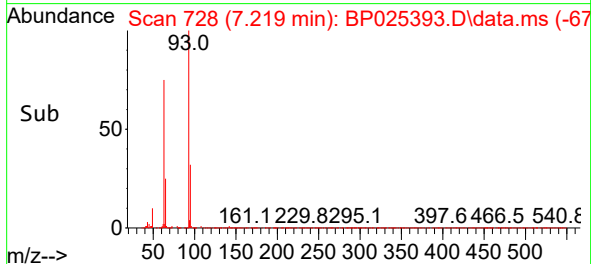
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



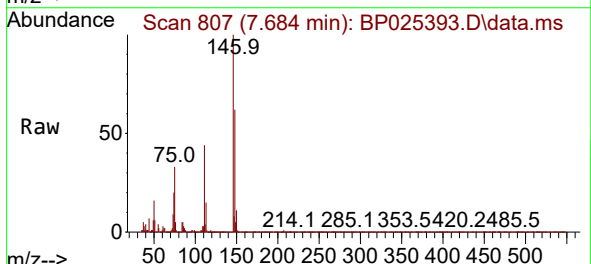
Tgt Ion: 93 Resp: 4199
Ion Ratio Lower Upper
93 100
63 75.4 52.6 92.6
95 32.6 12.7 52.7

Manual Integrations
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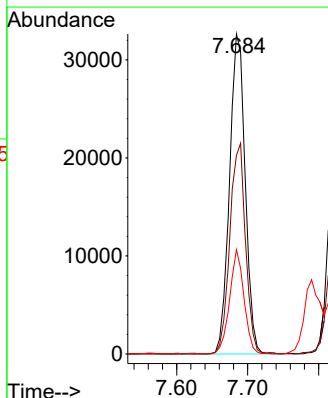
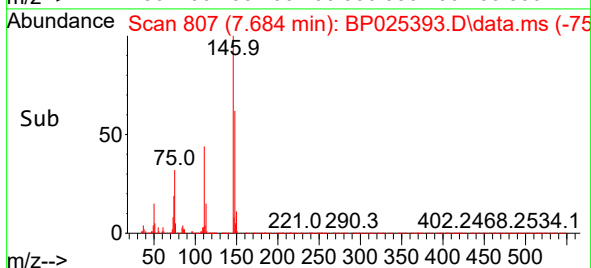
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

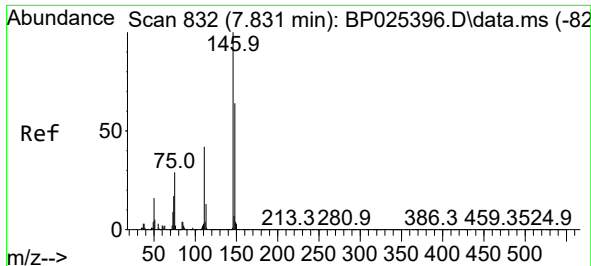


#12
1,3-Dichlorobenzene
Concen: 5.111 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion:146 Resp: 50146
Ion Ratio Lower Upper
146 100
148 62.1 51.9 77.9
75 32.6 23.7 35.5





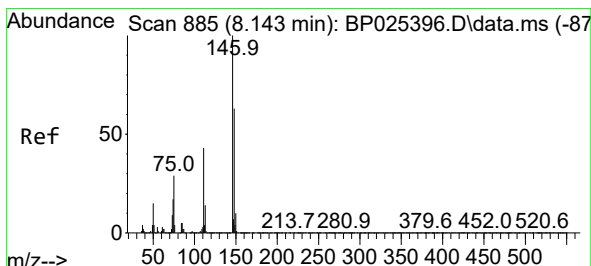
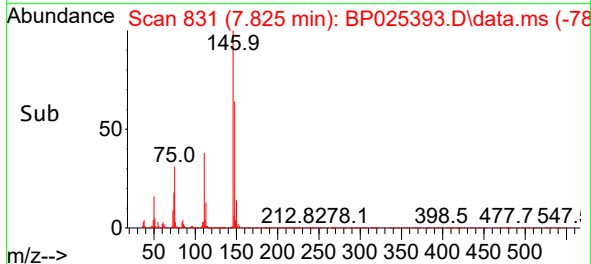
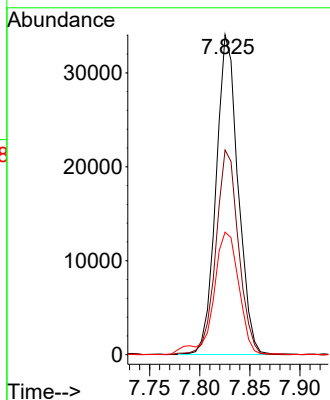
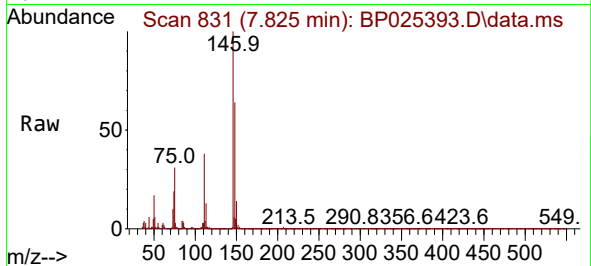
#13
1,4-Dichlorobenzene
Concen: 5.180 ng
RT: 7.825 min Scan# 831
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 51948
Ion Ratio Lower Upper
146 100
148 64.0 51.6 77.4
111 38.3 33.4 50.0

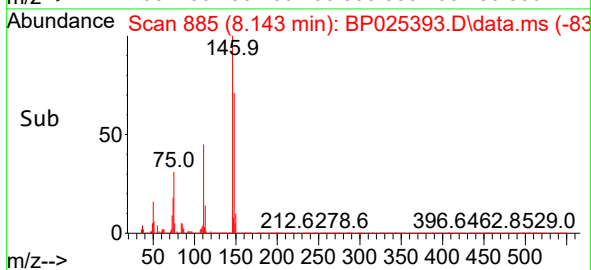
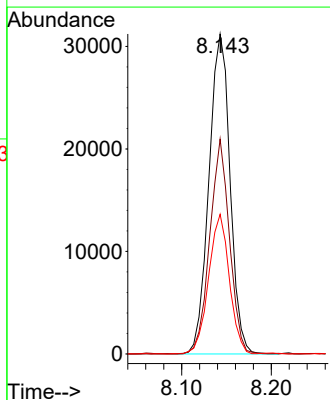
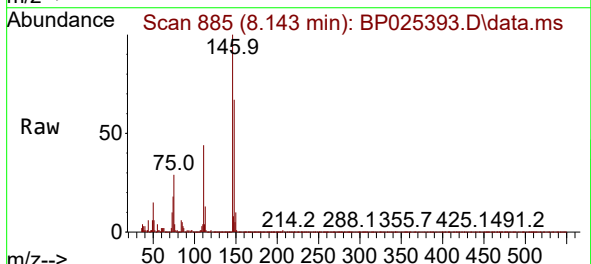
Manual Integrations
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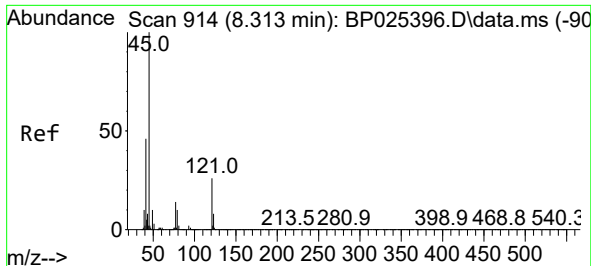
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#14
1,2-Dichlorobenzene
Concen: 5.253 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 50995
Ion Ratio Lower Upper
146 100
148 67.2 50.4 75.6
111 43.7 34.5 51.7





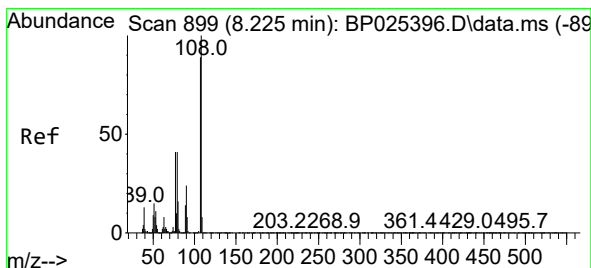
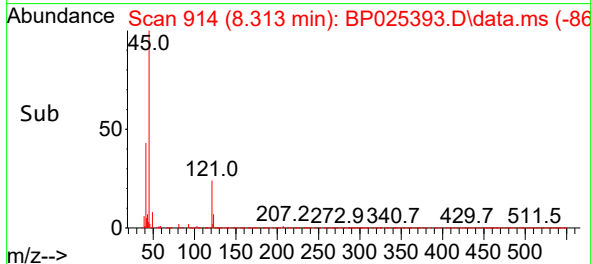
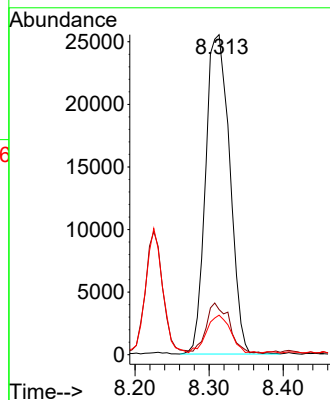
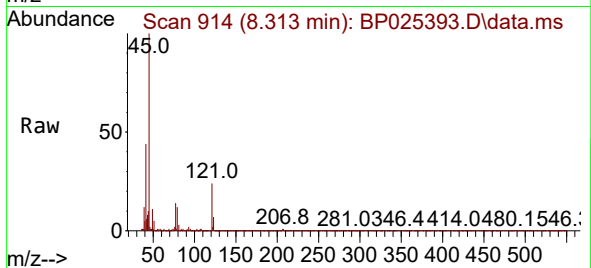
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.208 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
Client Sample Id :
SSTDICC005

Tgt Ion: 45 Resp: 5768
Ion Ratio Lower Upper
45 100
77 14.1 0.0 35.3
79 12.4 0.0 31.8

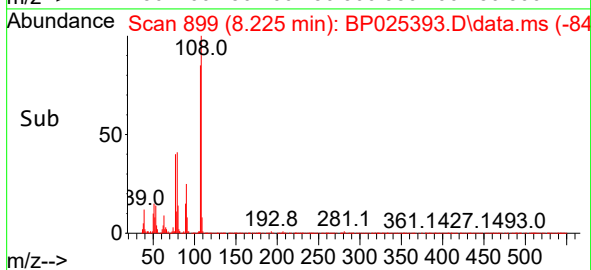
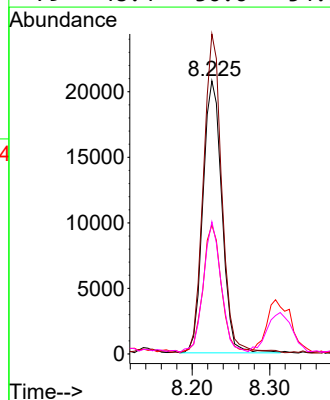
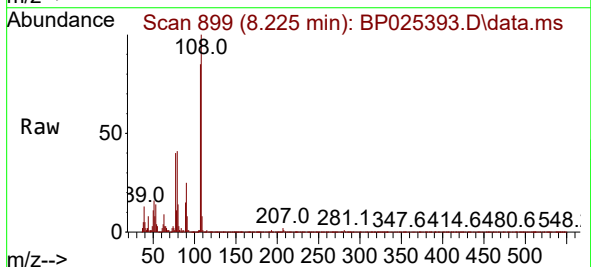
Manual Integrations
APPROVED

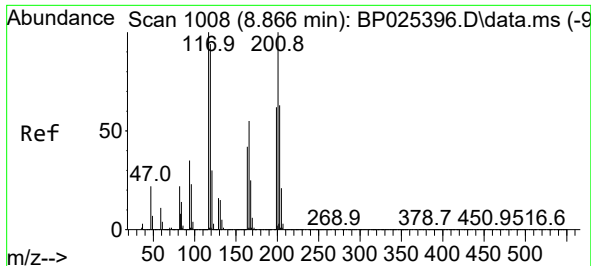
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#17
2-Methylphenol
Concen: 4.776 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

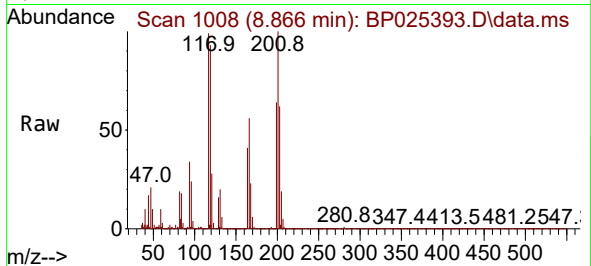
Tgt Ion:107 Resp: 35186
Ion Ratio Lower Upper
107 100
108 117.2 89.4 134.0
77 47.2 36.3 54.5
79 48.4 36.6 54.8





#18
Hexachloroethane
Concen: 5.127 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

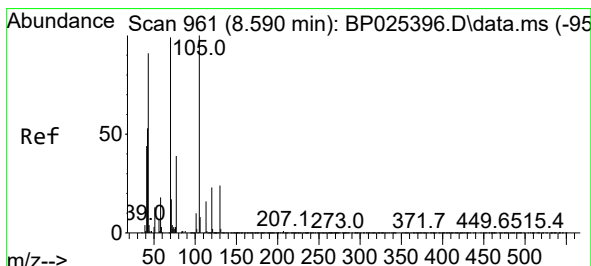
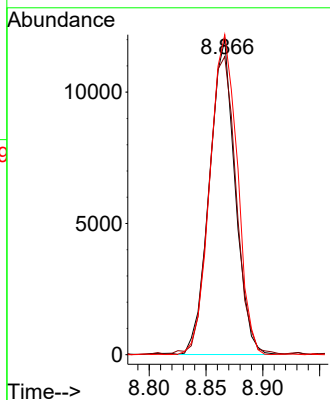
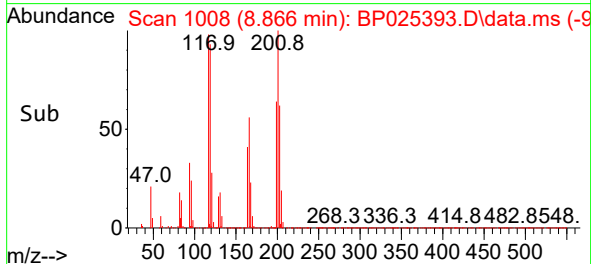
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



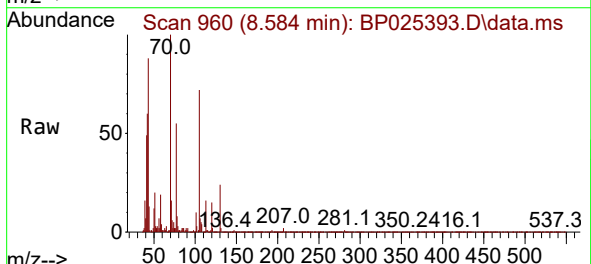
Tgt Ion: 117 Resp: 1890
Ion Ratio Lower Upper
117 100
119 94.5 75.1 112.7
201 101.5 80.1 120.1

Manual Integrations
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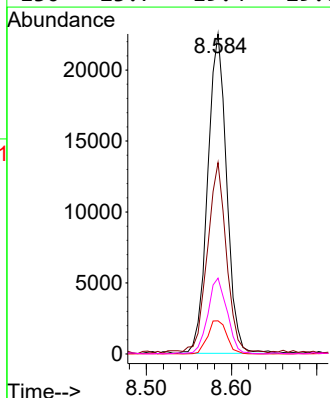
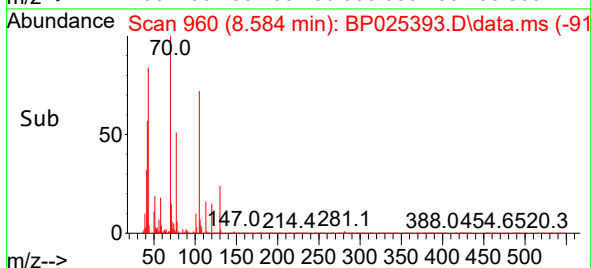
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

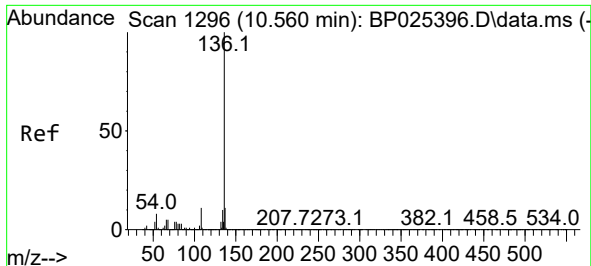


#19
n-Nitroso-di-n-propylamine
Concen: 5.205 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



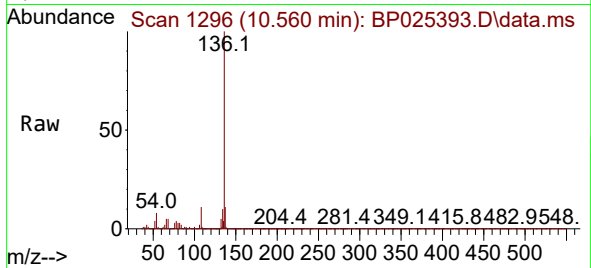
Tgt Ion: 70 Resp: 34898
Ion Ratio Lower Upper
70 100
42 59.8 43.8 65.6
101 10.3 8.5 12.7
130 23.7 19.4 29.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

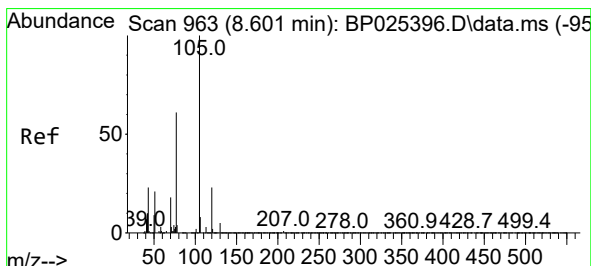
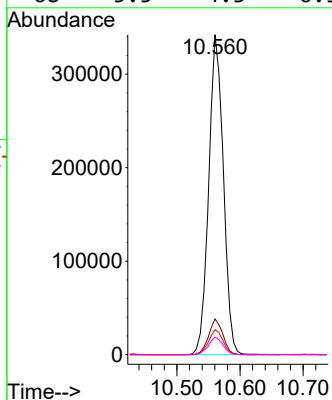
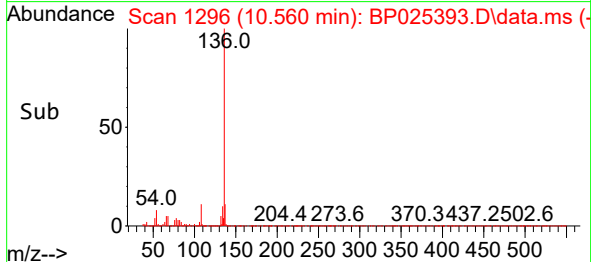
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion:	136	Resp:	551384
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.2	13.8
54	7.8	6.0	9.0
68	5.5	4.3	6.5

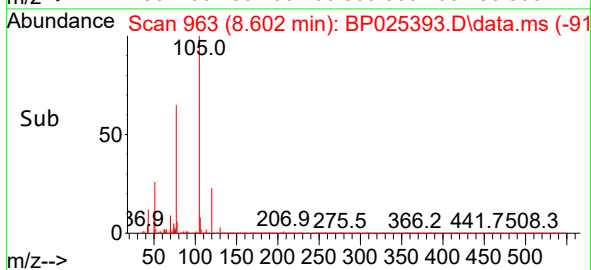
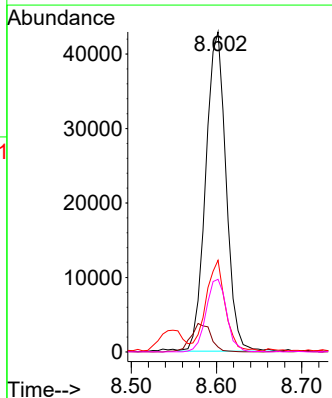
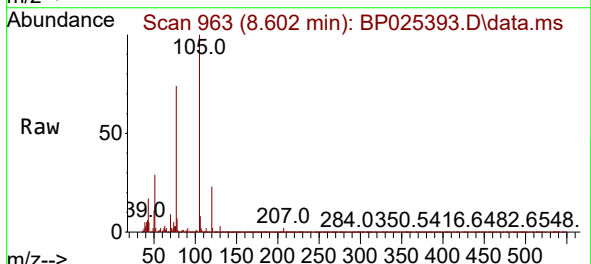
Manual Integrations
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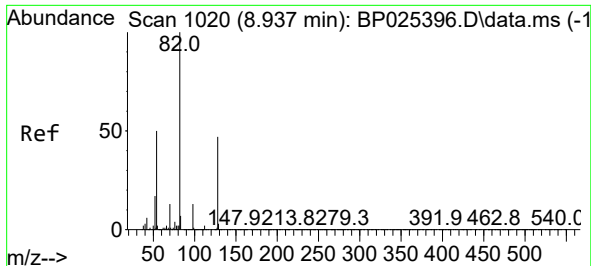
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#22
Acetophenone
Concen: 5.134 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

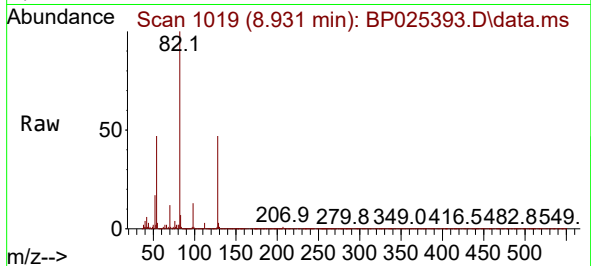
Tgt Ion:	105	Resp:	70986
Ion Ratio	Lower	Upper	
105	100		
71	1.5	2.6	4.0#
51	28.7	20.6	30.8
120	22.7	18.6	27.8





#23
Nitrobenzene-d5
Concen: 9.983 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

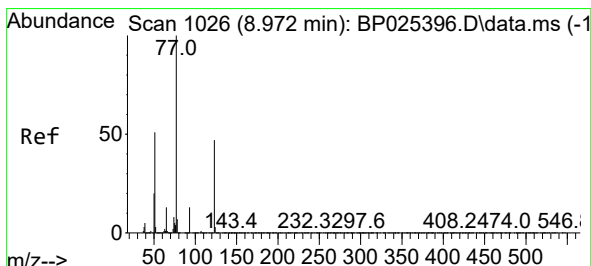
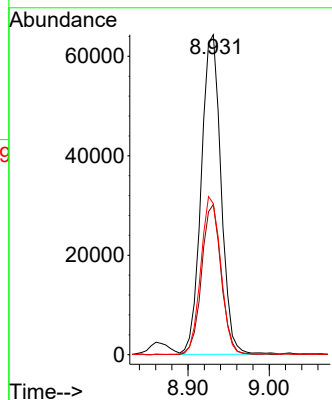
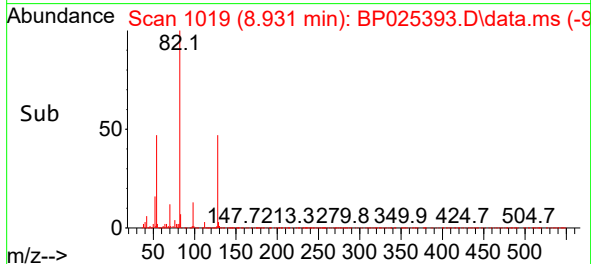
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



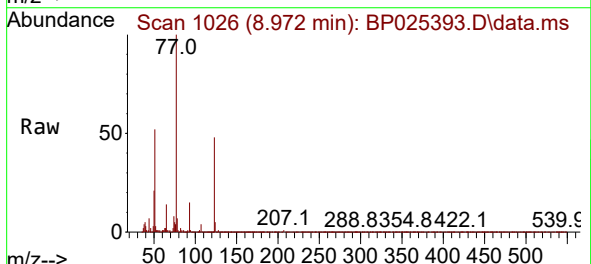
Tgt Ion: 82 Resp: 108814
Ion Ratio Lower Upper
82 100
128 47.0 37.7 56.5
54 47.2 39.8 59.6

Manual Integrations
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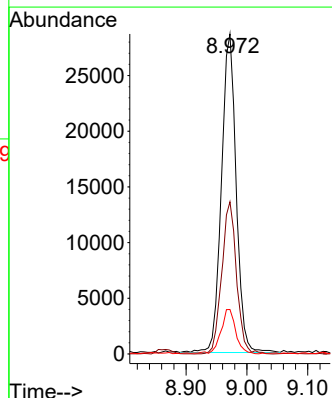
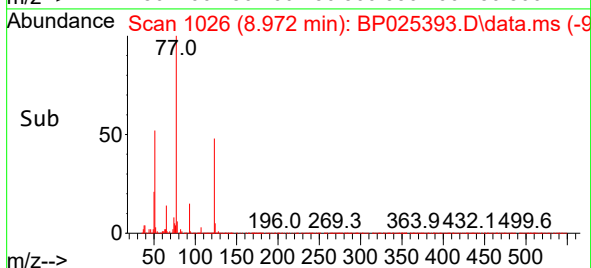
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

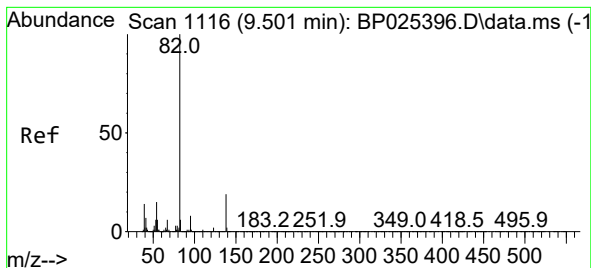


#24
Nitrobenzene
Concen: 4.951 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion: 77 Resp: 48234
Ion Ratio Lower Upper
77 100
123 47.6 38.6 58.0
65 13.9 10.6 15.8





#25

Isophorone

Concen: 5.242 ng

RT: 9.496 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

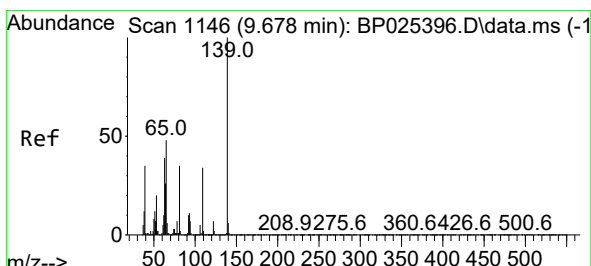
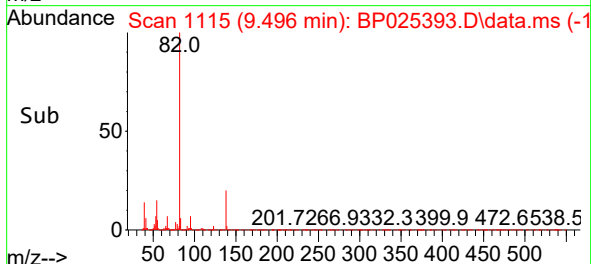
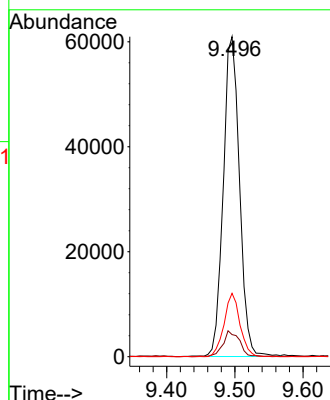
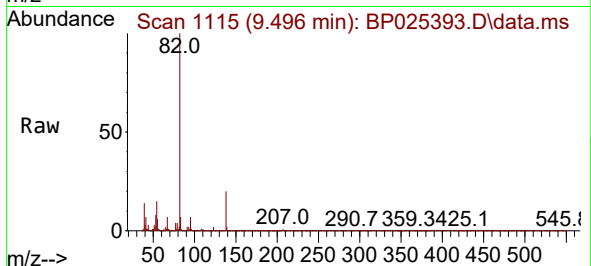
SSTDICC005

Tgt Ion: 82	Resp: 10111
Ion Ratio	Lower Upper
82 100	
95 6.9	6.4 9.6
138 19.8	15.4 23.0

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#26

2-Nitrophenol

Concen: 4.605 ng

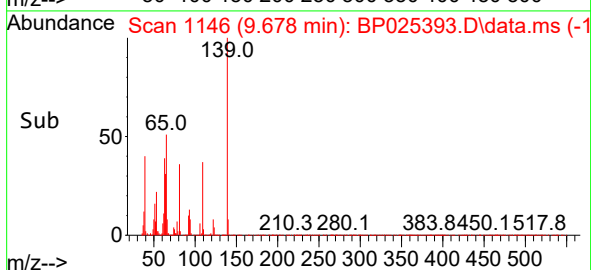
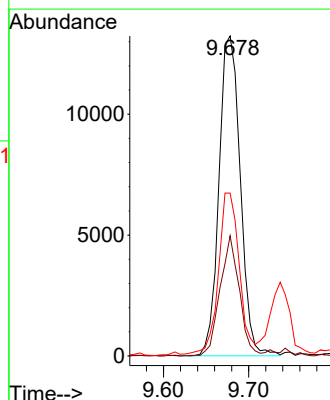
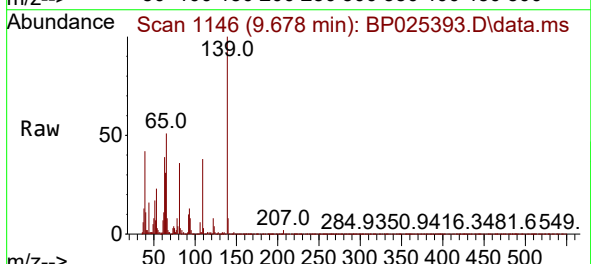
RT: 9.678 min Scan# 1146

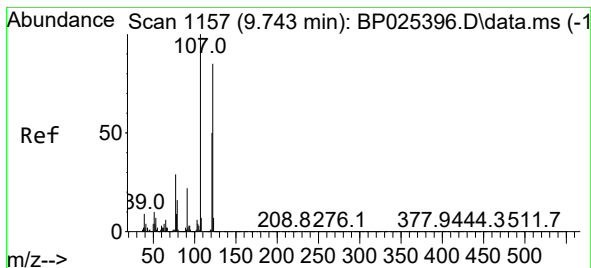
Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

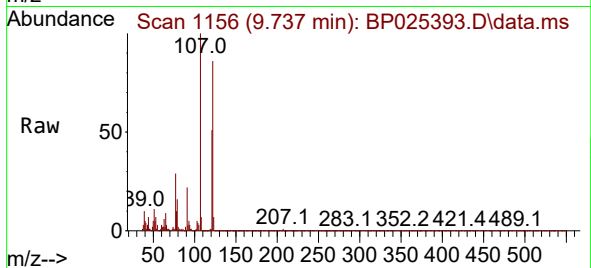
Tgt Ion:139	Resp: 23020
Ion Ratio	Lower Upper
139 100	
109 37.5	26.9 40.3
65 50.9	38.3 57.5





#27
2,4-Dimethylphenol
Concen: 4.861 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

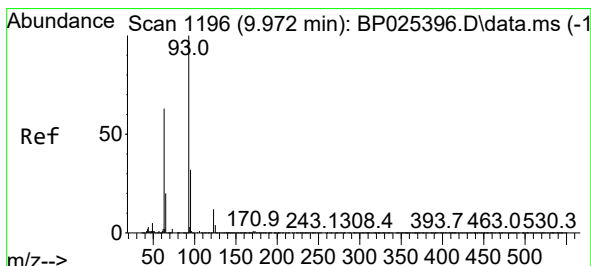
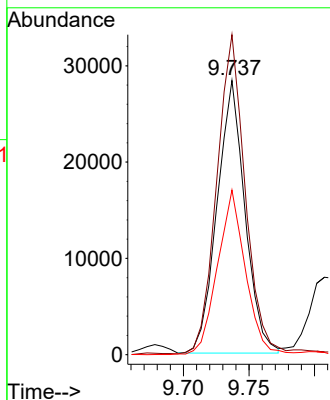
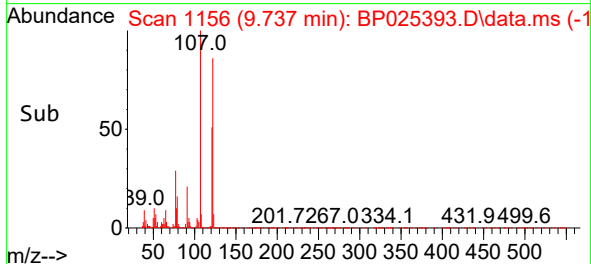
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



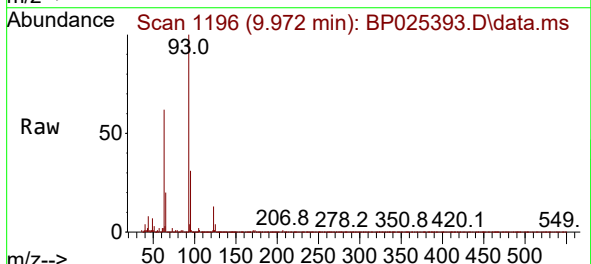
Tgt Ion:122 Resp: 41790
Ion Ratio Lower Upper
122 100
107 116.7 93.7 140.5
121 60.0 46.6 69.8

Manual Integrations
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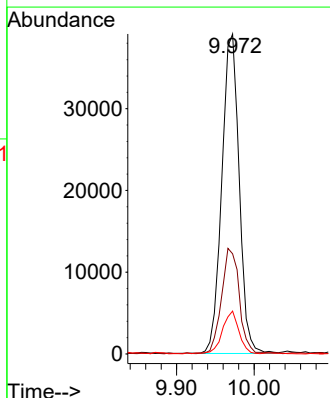
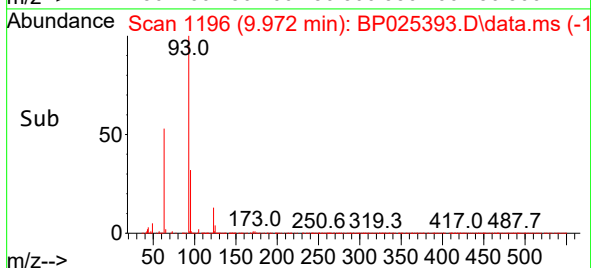
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

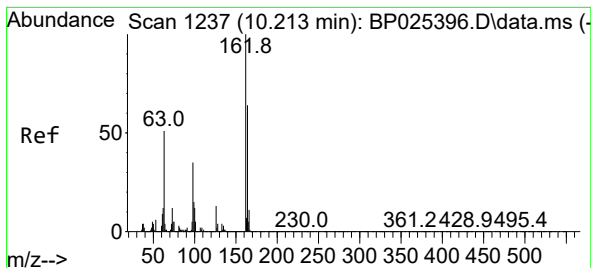


#28
bis(2-Chloroethoxy)methane
Concen: 5.233 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



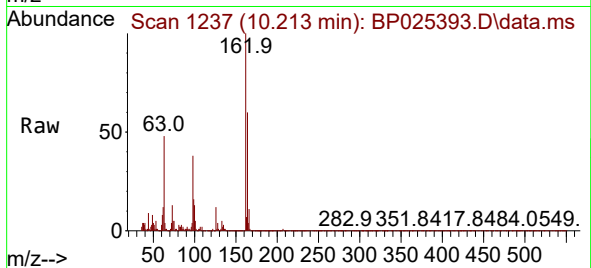
Tgt Ion: 93 Resp: 61017
Ion Ratio Lower Upper
93 100
95 31.3 25.4 38.0
123 13.4 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 4.723 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

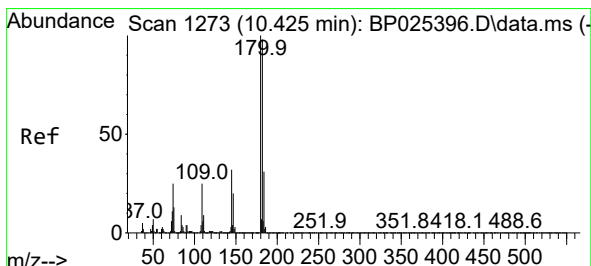
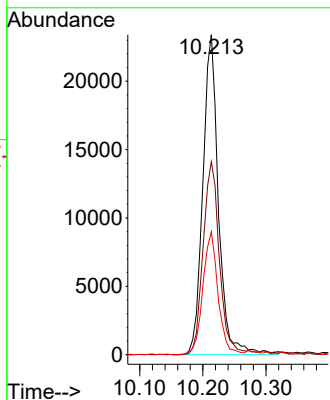
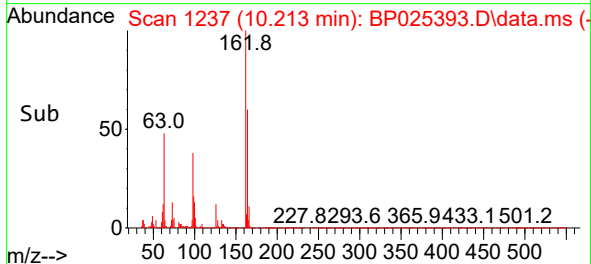
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



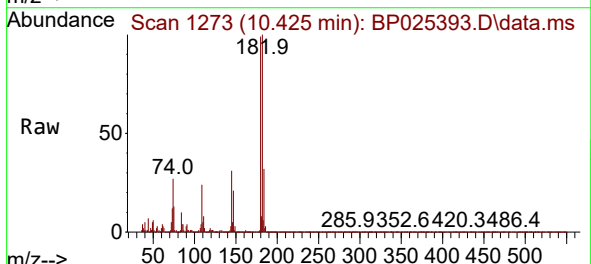
Tgt Ion:162 Resp: 40330
Ion Ratio Lower Upper
162 100
164 60.3 44.4 84.4
98 38.4 14.9 54.9

Manual Integrations
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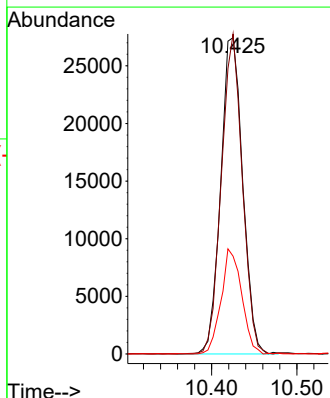
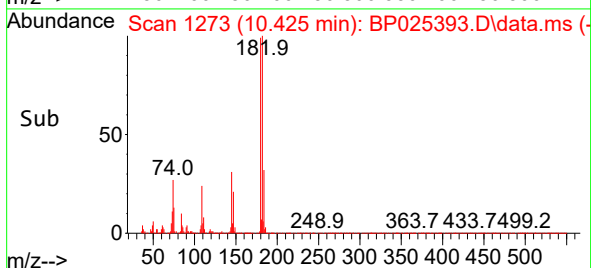
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

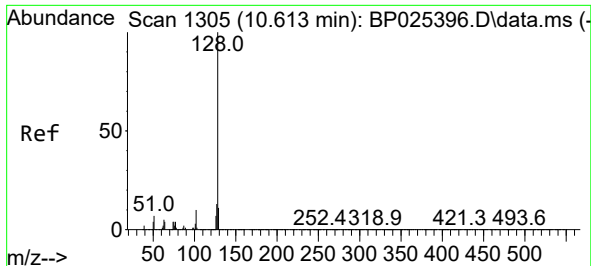


#30
1,2,4-Trichlorobenzene
Concen: 5.259 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



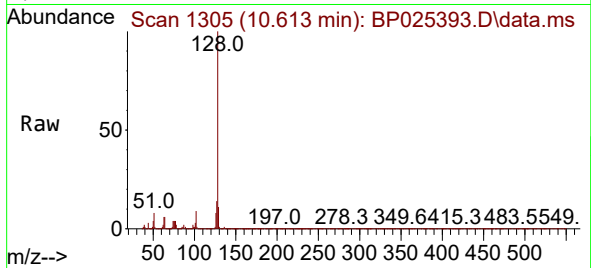
Tgt Ion:180 Resp: 49237
Ion Ratio Lower Upper
180 100
182 101.2 78.0 117.0
145 30.9 25.9 38.9





#31
Naphthalene
Concen: 5.141 ng
RT: 10.613 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

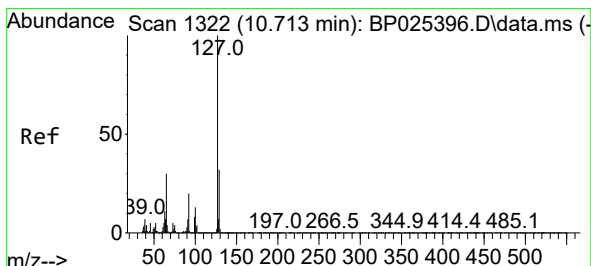
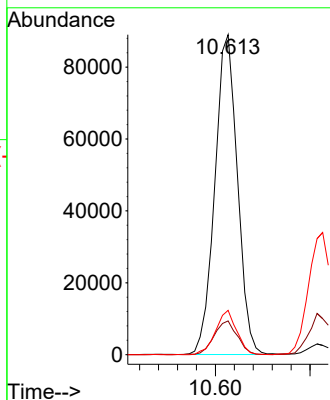
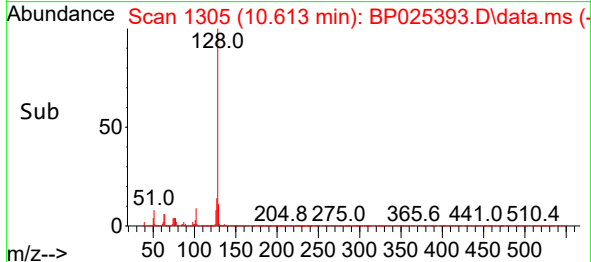
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



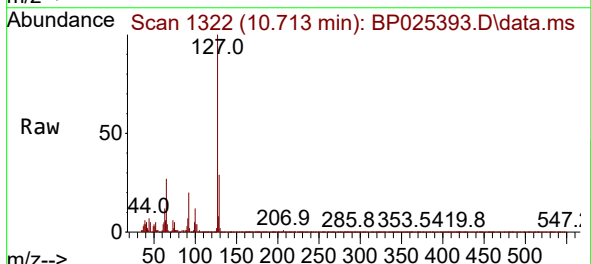
Tgt Ion:128 Resp: 147340
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.9 10.7 16.1

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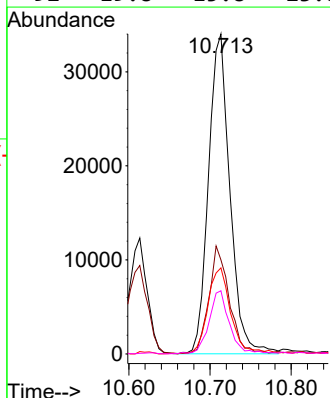
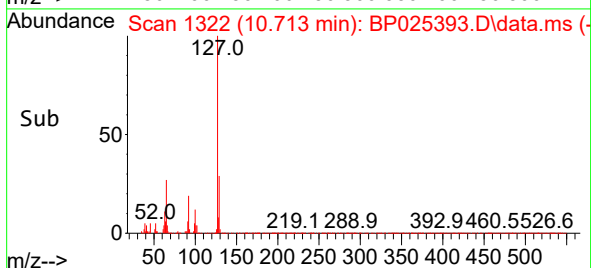
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

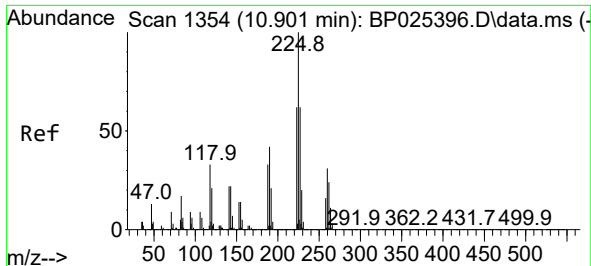


#33
4-Chloroaniline
Concen: 4.933 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



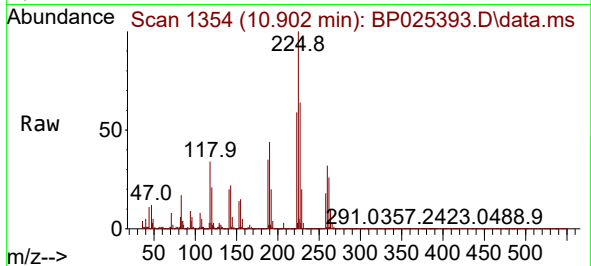
Tgt Ion:127 Resp: 62452
Ion Ratio Lower Upper
127 100
129 29.4 25.4 38.2
65 26.9 23.8 35.6
92 19.8 15.8 23.8





#34
Hexachlorobutadiene
Concen: 5.241 ng
RT: 10.902 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

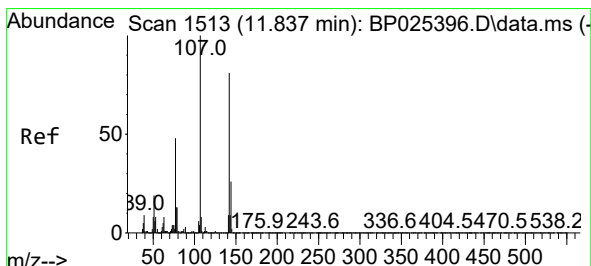
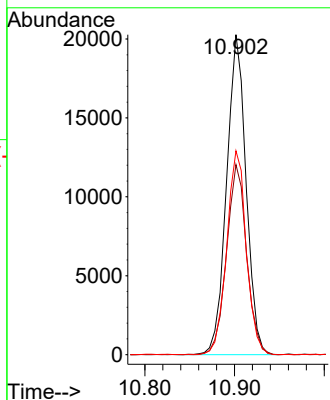
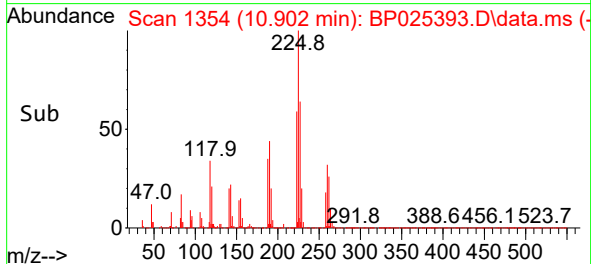
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



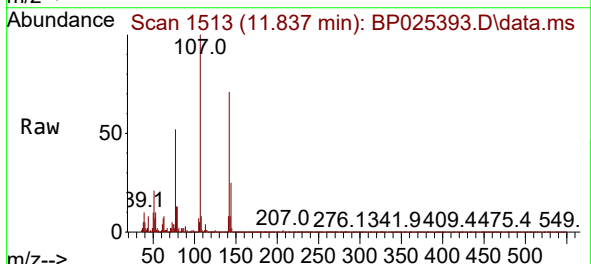
Tgt Ion: 225 Resp: 3055
Ion Ratio Lower Upper
225 100
223 59.4 50.0 75.0
227 66.3 49.7 74.5

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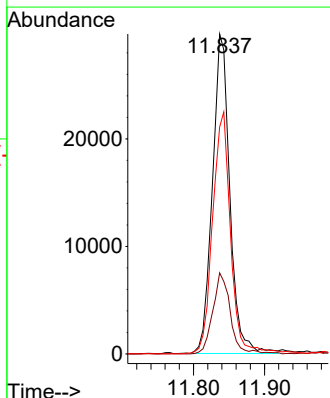
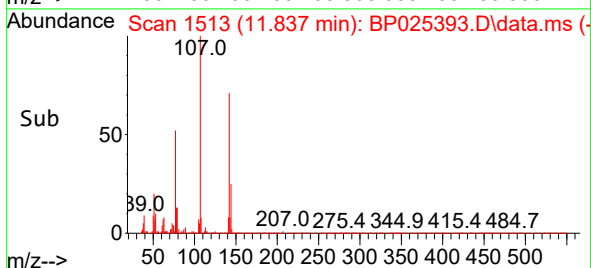
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

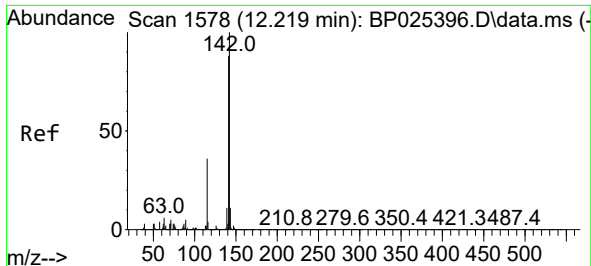


#36
4-Chloro-3-methylphenol
Concen: 5.154 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion: 107 Resp: 50515
Ion Ratio Lower Upper
107 100
144 25.4 21.0 31.4
142 70.9 64.6 97.0





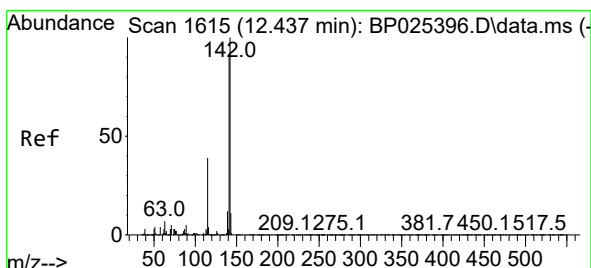
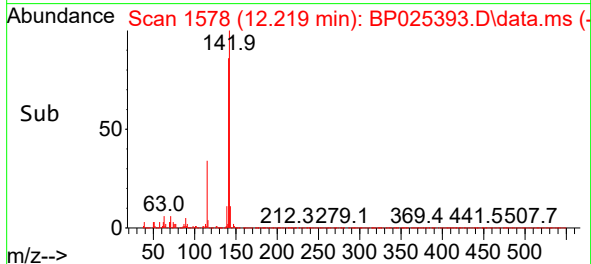
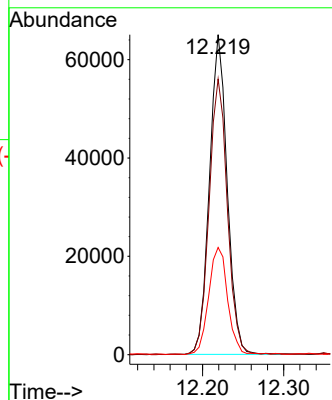
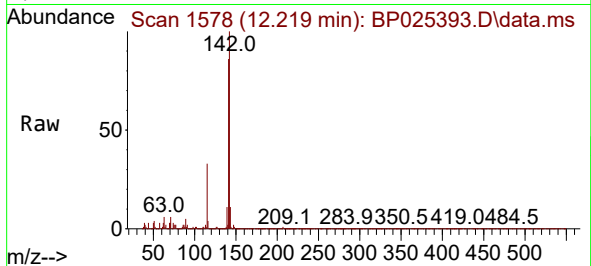
#37
2-Methylnaphthalene
Concen: 5.289 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 9864
Ion Ratio Lower Upper
142 100
141 86.1 70.3 105.5
115 33.5 28.9 43.3

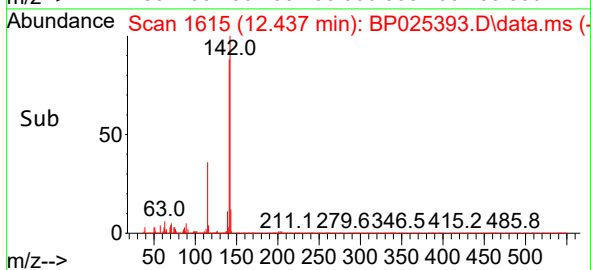
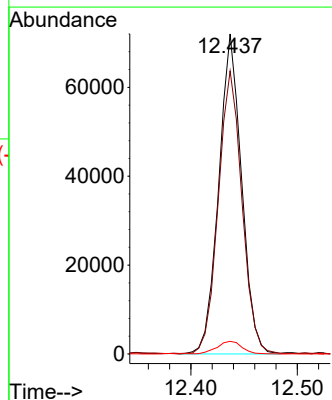
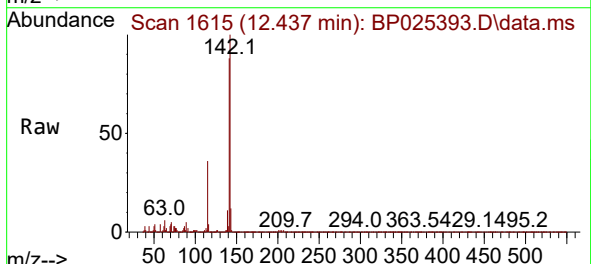
Manual Integrations
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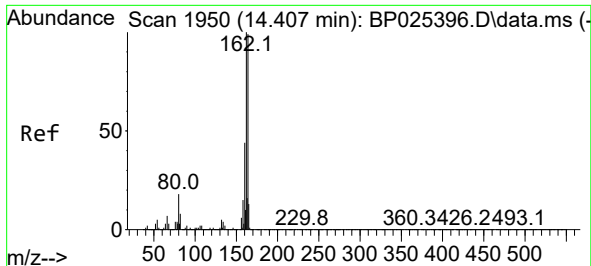
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#38
1-Methylnaphthalene
Concen: 5.397 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

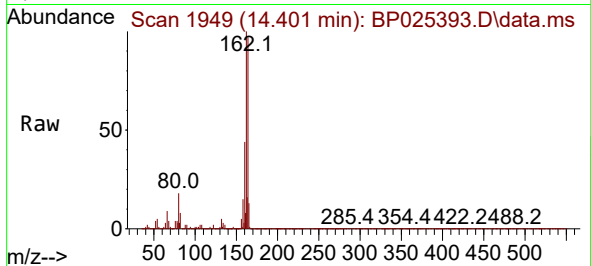
Tgt Ion:142 Resp: 107044
Ion Ratio Lower Upper
142 100
141 88.4 73.1 109.7
116 3.9 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

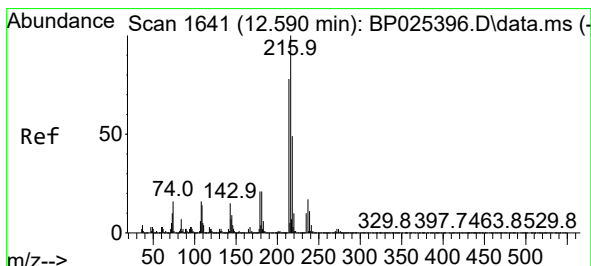
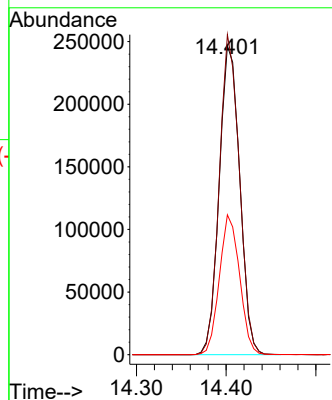
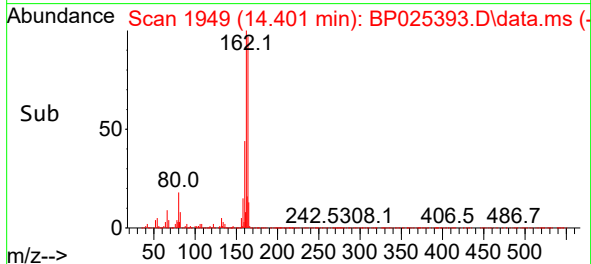
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



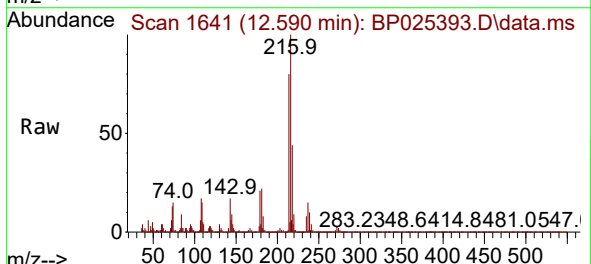
Tgt Ion:164 Resp: 392370
Ion Ratio Lower Upper
164 100
162 103.6 81.0 121.6
160 45.3 35.4 53.2

Manual Integrations
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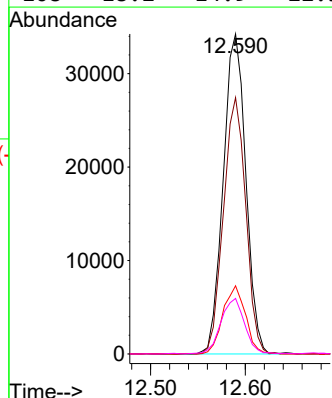
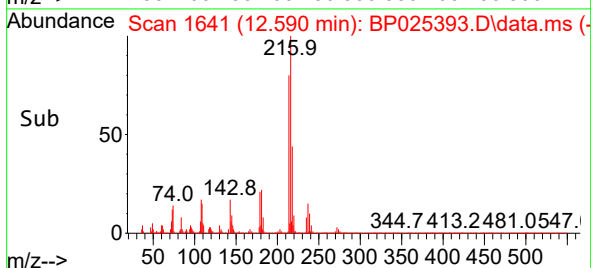
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

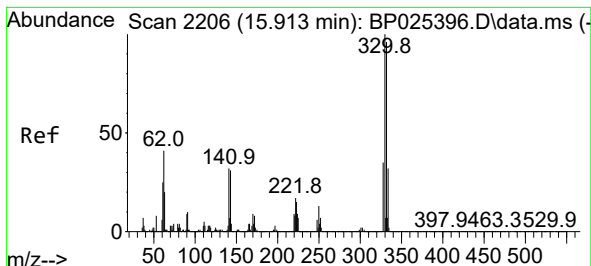


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.001 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



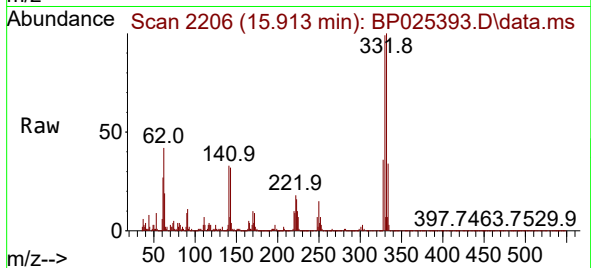
Tgt Ion:216 Resp: 56676
Ion Ratio Lower Upper
216 100
214 79.1 63.0 94.4
179 21.3 17.1 25.7
108 18.2 14.9 22.3





#42
2,4,6-Tribromophenol
Concen: 9.881 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

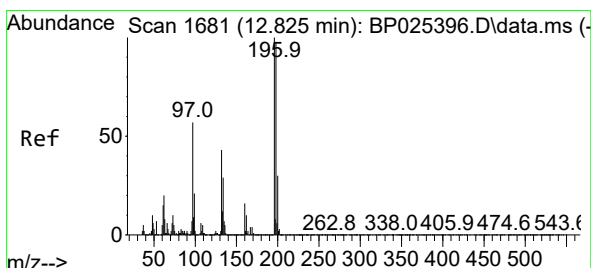
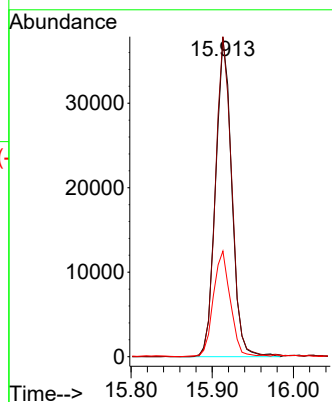
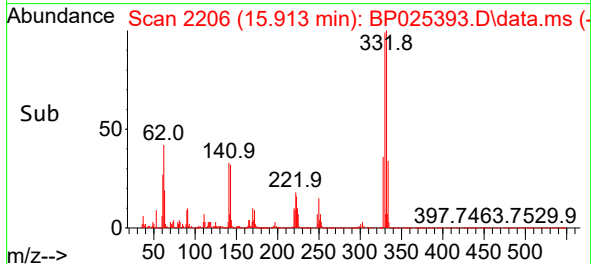
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



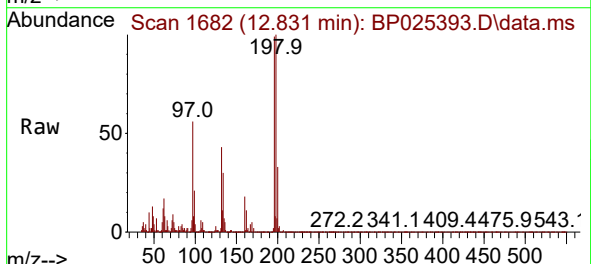
Tgt Ion: 330 Resp: 5218
Ion Ratio Lower Upper
330 100
332 100.4 77.3 115.9
141 34.9 26.6 39.8

Manual Integrations
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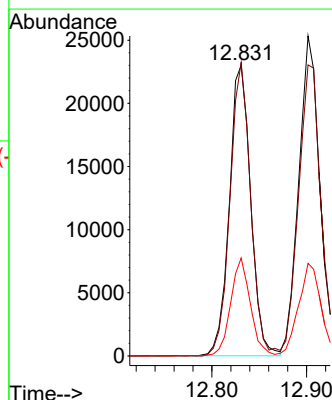
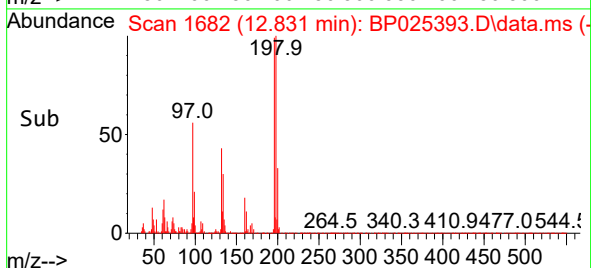
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

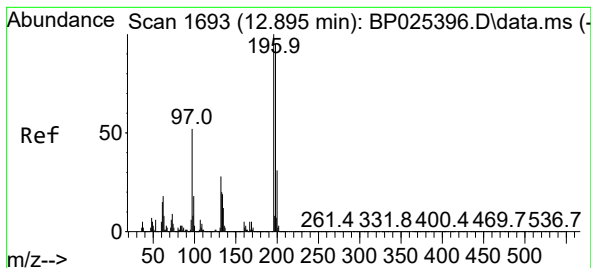


#43
2,4,6-Trichlorophenol
Concen: 4.718 ng
RT: 12.831 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



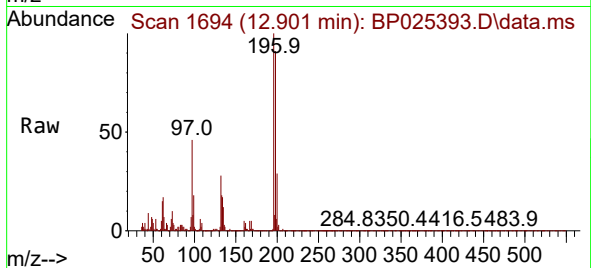
Tgt Ion: 196 Resp: 36093
Ion Ratio Lower Upper
196 100
198 101.0 77.2 115.8
200 33.7 23.9 35.9





#44
2,4,5-Trichlorophenol
Concen: 4.875 ng
RT: 12.901 min Scan# 1693
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

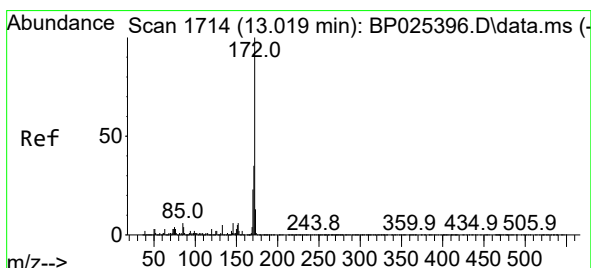
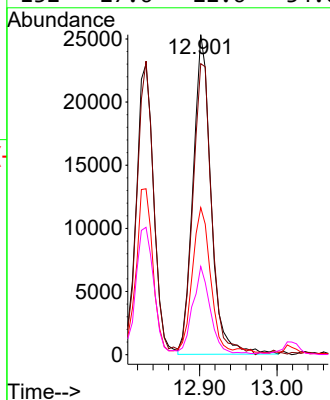
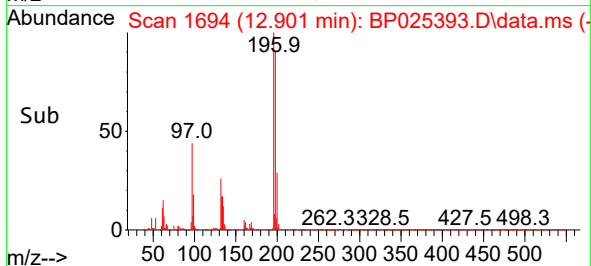
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



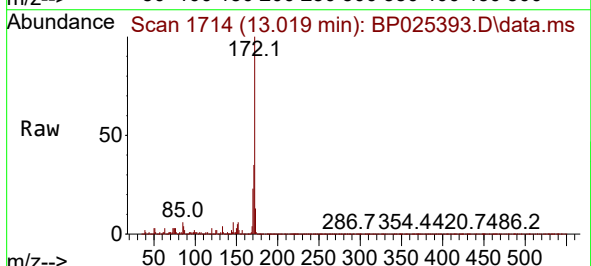
Tgt Ion:196 Resp: 40875
Ion Ratio Lower Upper
196 100
198 91.0 76.2 114.2
97 46.0 41.2 61.8
132 27.6 22.6 34.0

Manual Integrations
APPROVED

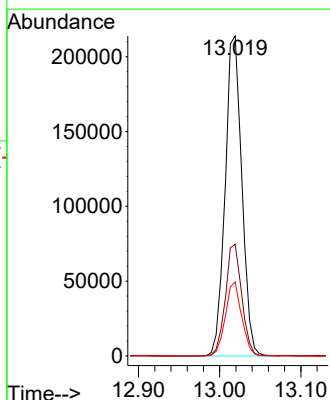
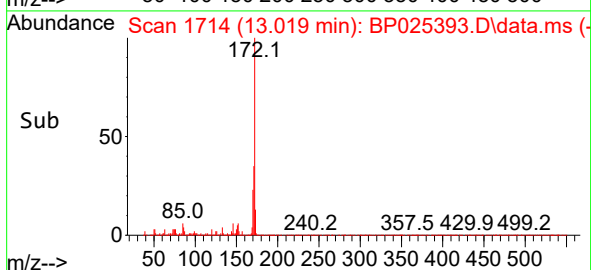
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

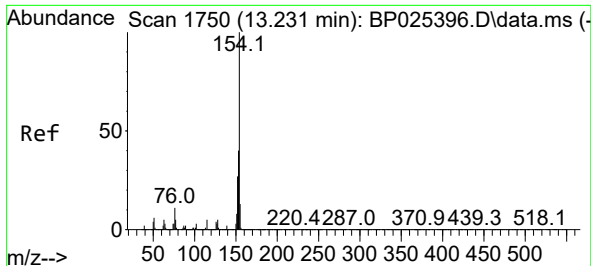


#45
2-Fluorobiphenyl
Concen: 10.649 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



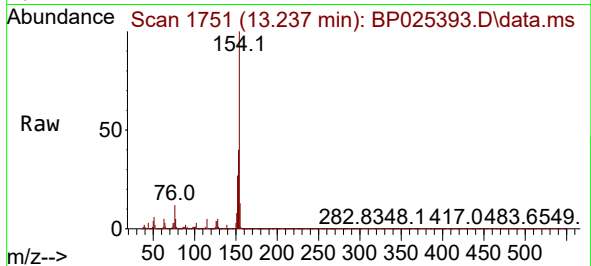
Tgt Ion:172 Resp: 305742
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.1 18.6 28.0





#46
1,1'-Biphenyl
Concen: 5.146 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

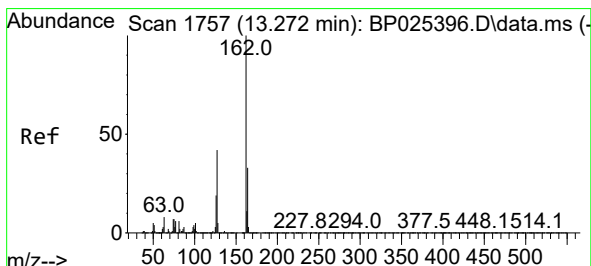
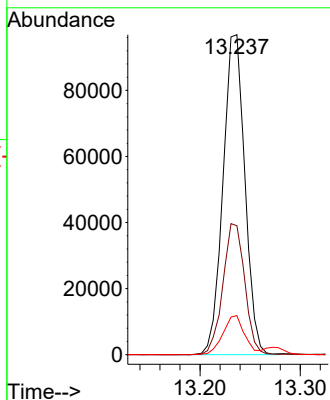
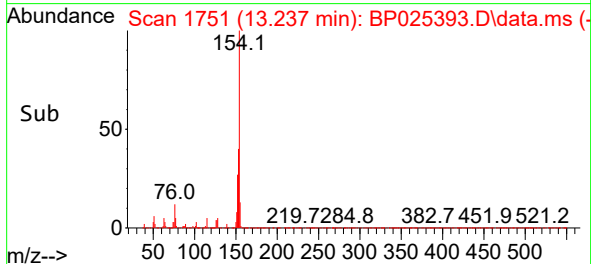
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



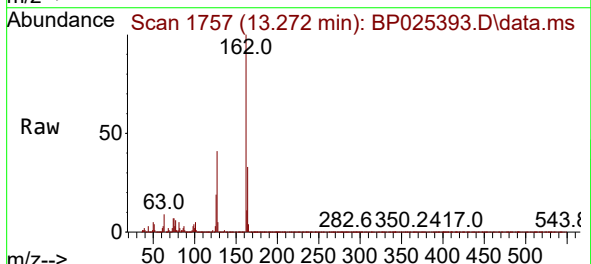
Tgt Ion:154 Resp: 14665
Ion Ratio Lower Upper
154 100
153 40.3 19.5 59.5
76 12.2 0.0 31.1

Manual Integrations
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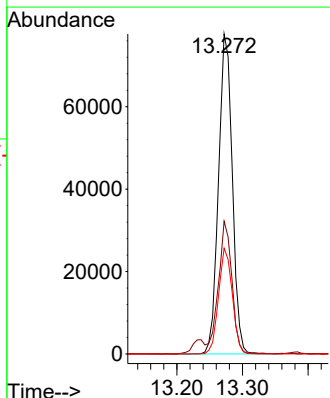
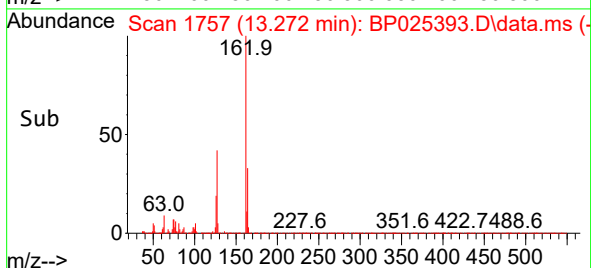
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

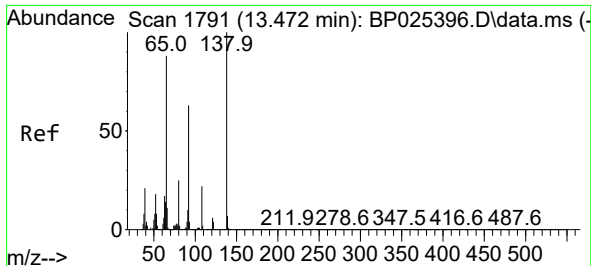


#47
2-Chloronaphthalene
Concen: 5.094 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



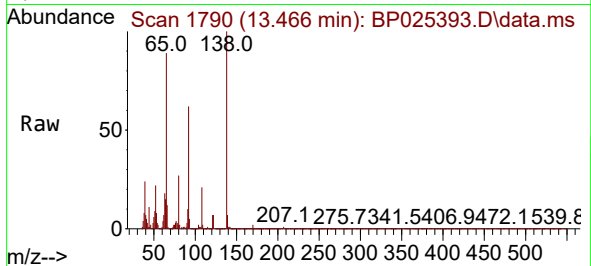
Tgt Ion:162 Resp: 113015
Ion Ratio Lower Upper
162 100
127 41.5 33.4 50.2
164 33.0 26.2 39.2





#48
2-Nitroaniline
Concen: 4.568 ng
RT: 13.466 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

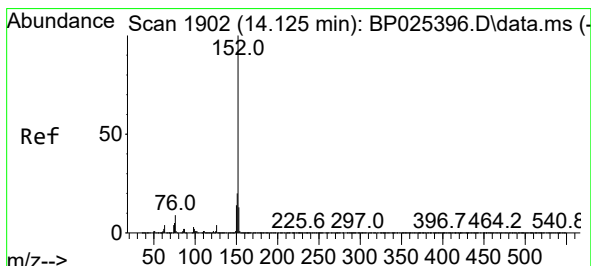
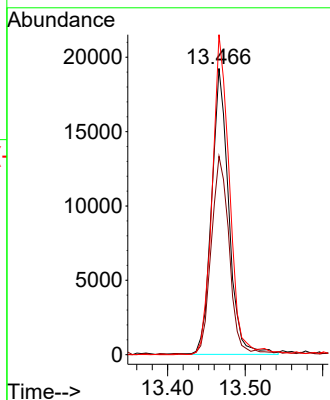
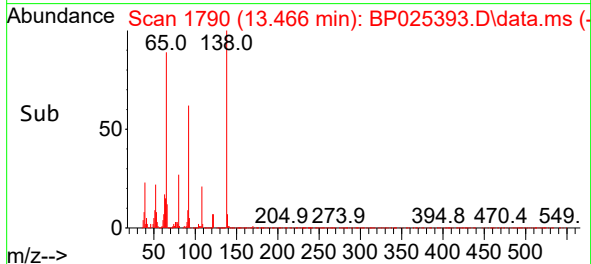
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



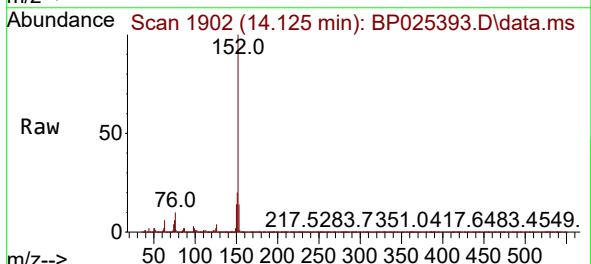
Tgt Ion: 65 Resp: 2952
Ion Ratio Lower Upper
65 100
92 69.3 57.6 86.4
138 111.8 91.0 136.6

Manual Integrations
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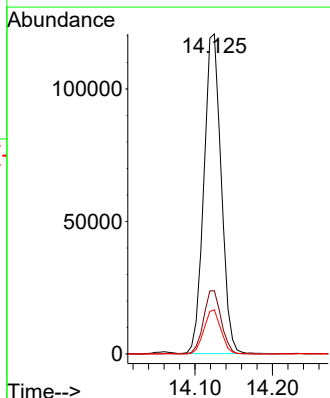
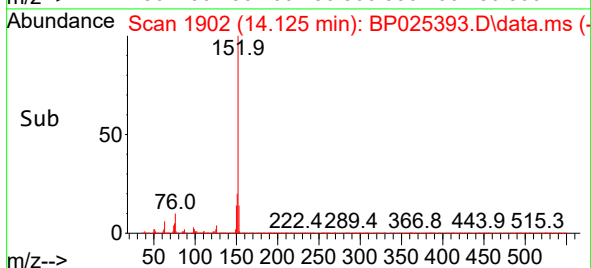
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

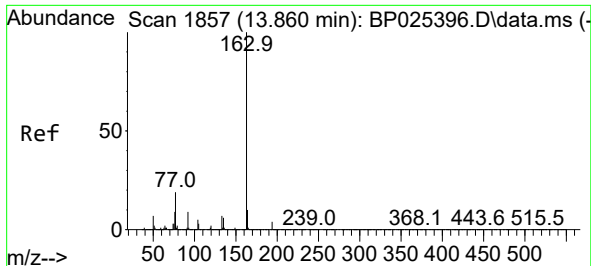


#49
Acenaphthylene
Concen: 5.095 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



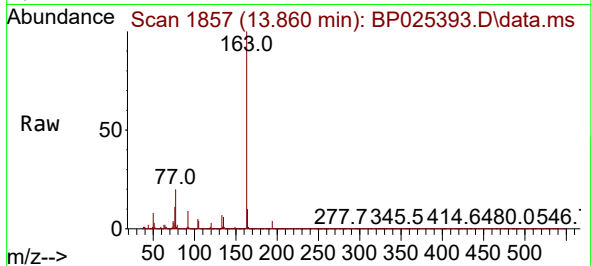
Tgt Ion:152 Resp: 187026
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.8 10.6 15.8





#50
Dimethylphthalate
Concen: 5.355 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

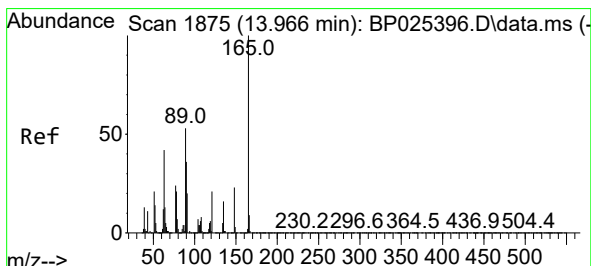
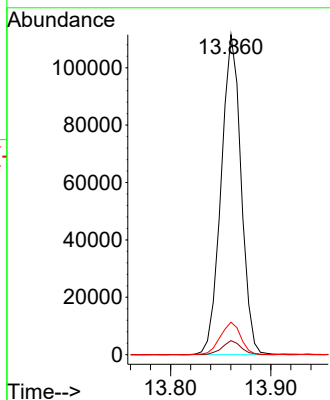
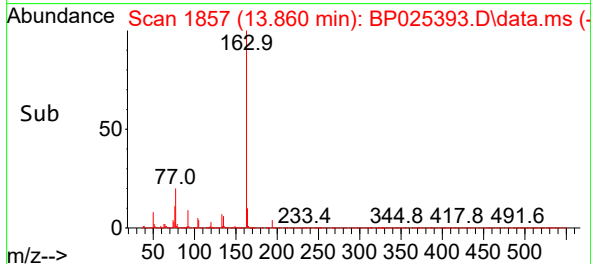
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



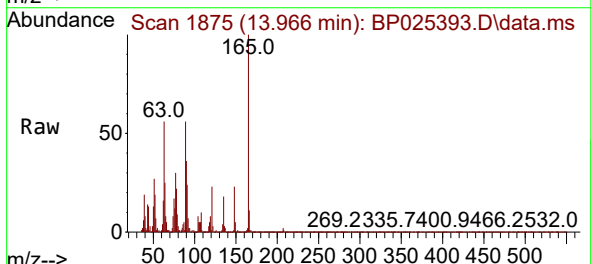
Tgt Ion:163 Resp: 15386
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.0
164 10.1 7.9 11.9

Manual Integrations
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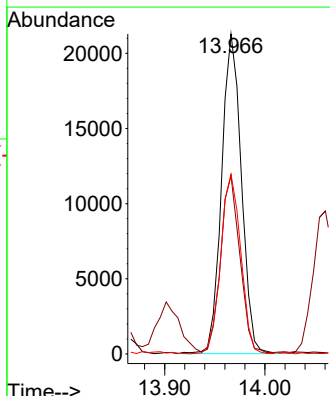
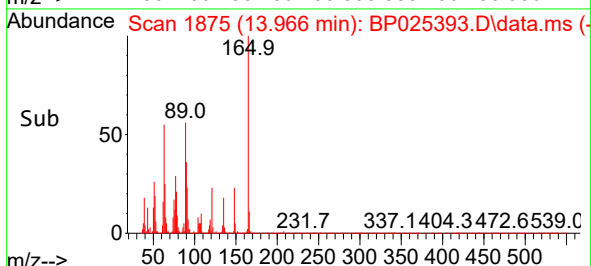
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

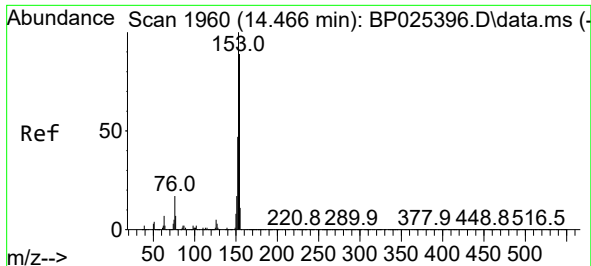


#51
2,6-Dinitrotoluene
Concen: 4.803 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



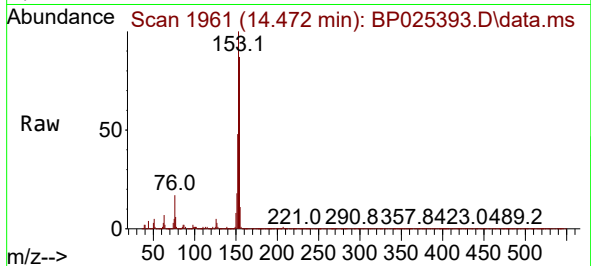
Tgt Ion:165 Resp: 29088
Ion Ratio Lower Upper
165 100
63 55.7 40.9 61.3
89 56.2 42.1 63.1





#52
Acenaphthene
Concen: 5.232 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

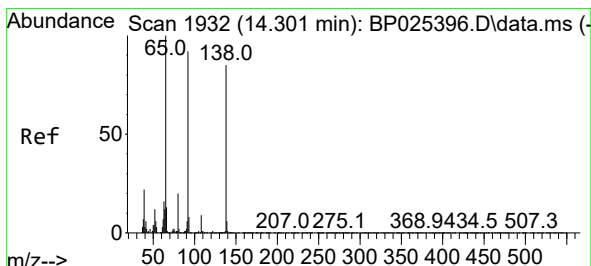
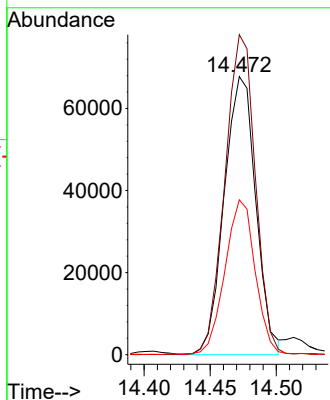
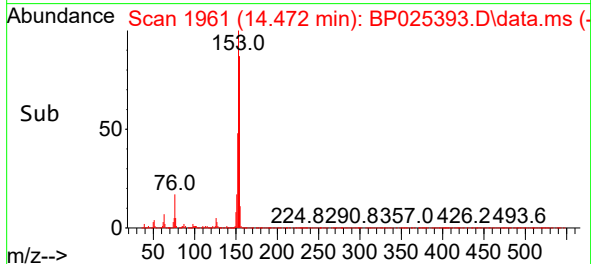
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



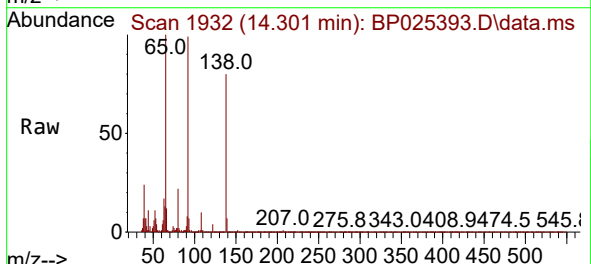
Tgt Ion:154 Resp: 112730
Ion Ratio Lower Upper
154 100
153 115.1 90.2 135.2
152 55.7 42.1 63.1

Manual Integrations
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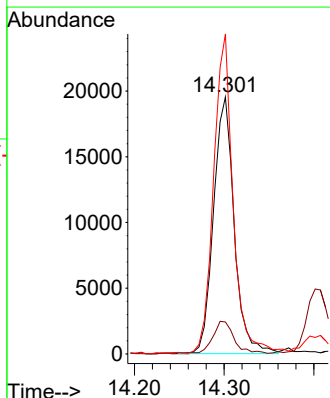
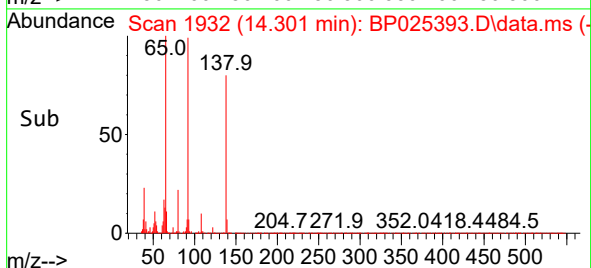
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

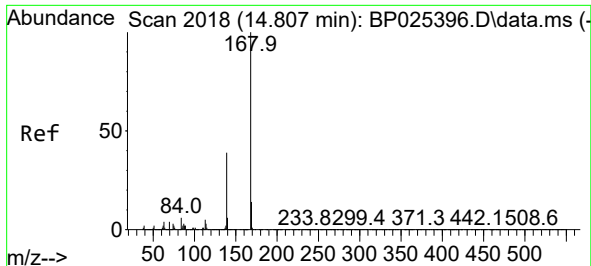


#53
3-Nitroaniline
Concen: 4.583 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



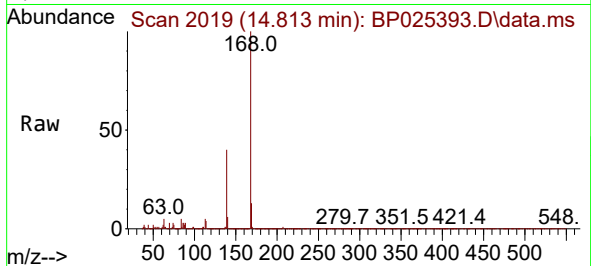
Tgt Ion:138 Resp: 31224
Ion Ratio Lower Upper
138 100
108 12.5 8.3 12.5
92 124.5 86.2 129.2





#55
Dibenzofuran
Concen: 5.240 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

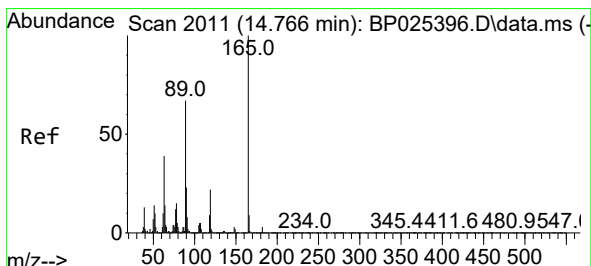
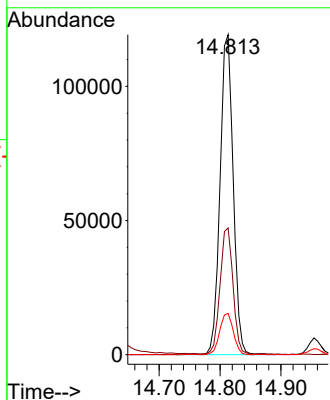
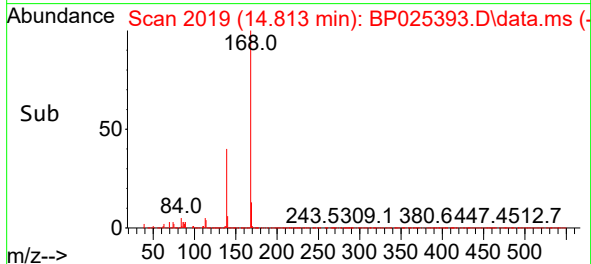
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



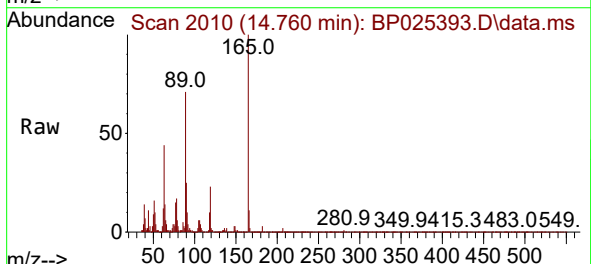
Tgt Ion:168 Resp: 178494
Ion Ratio Lower Upper
168 100
139 39.6 31.5 47.3
169 12.9 10.9 16.3

Manual Integrations
APPROVED

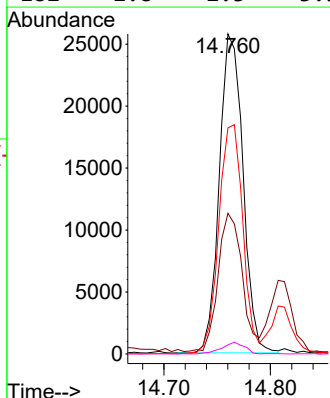
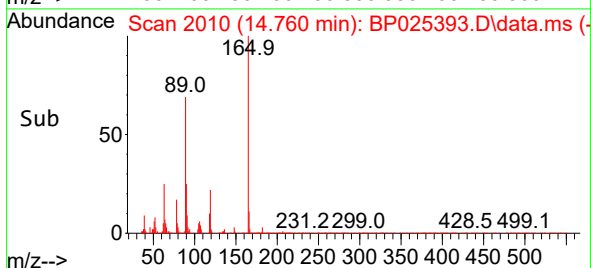
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

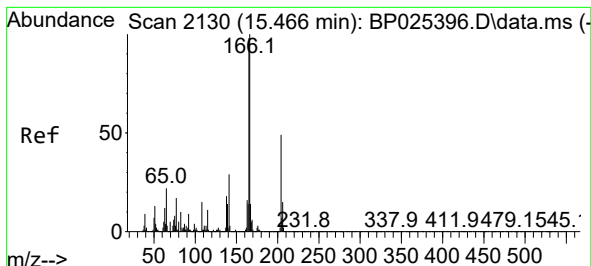


#57
2,4-Dinitrotoluene
Concen: 4.590 ng
RT: 14.760 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion:165 Resp: 39658
Ion Ratio Lower Upper
165 100
63 43.9 31.4 47.2
89 70.6 53.3 79.9
182 2.8 2.3 3.5





#58

Fluorene

Concen: 5.497 ng

RT: 15.472 min Scan# 2130

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:166 Resp: 147760

Ion Ratio Lower Upper

166 100

165 95.7 78.8 118.2

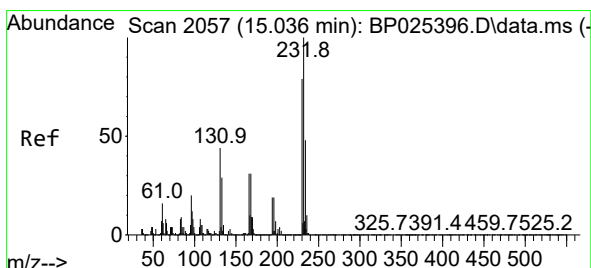
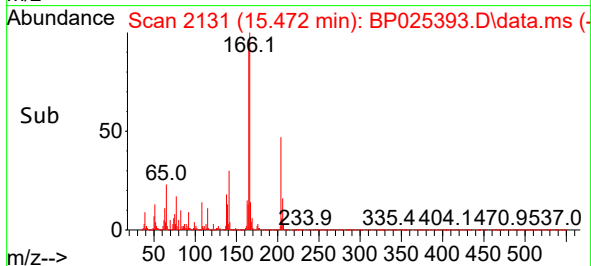
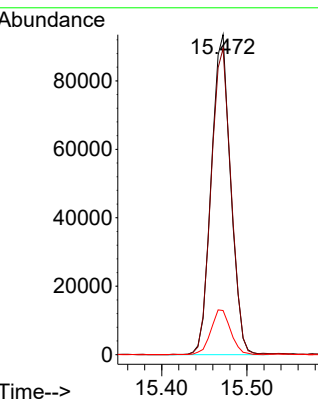
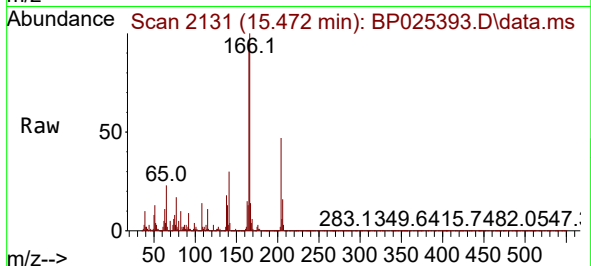
167 13.8 11.0 16.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.968 ng

RT: 15.037 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:232 Resp: 36779

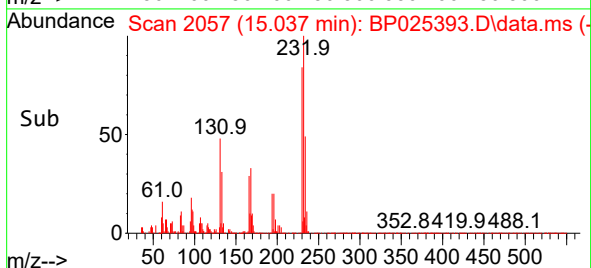
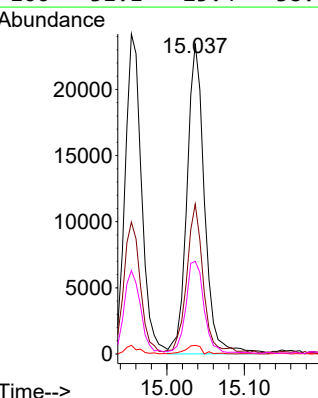
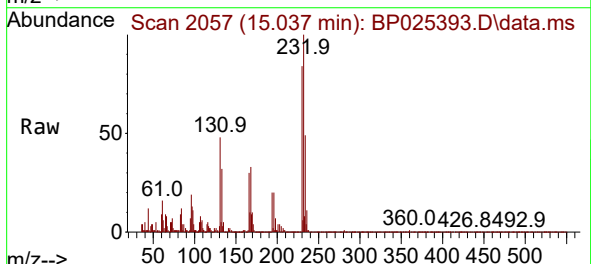
Ion Ratio Lower Upper

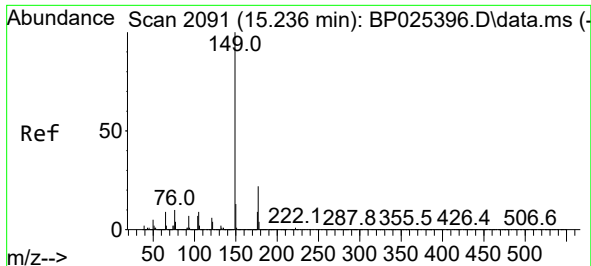
232 100

131 46.0 37.0 55.6

130 2.7 1.9 2.9

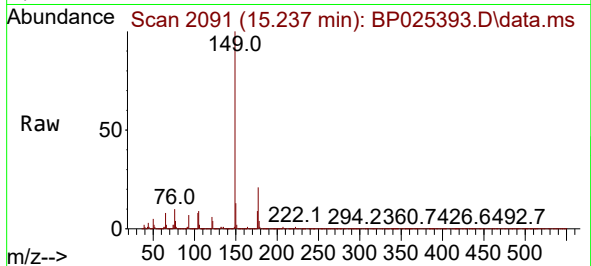
166 31.1 25.4 38.0





#60
Diethylphthalate
Concen: 5.426 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

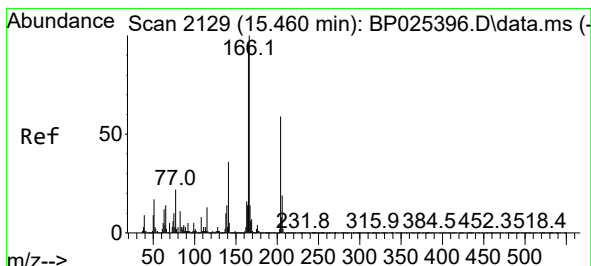
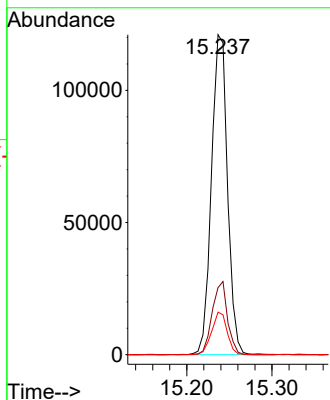
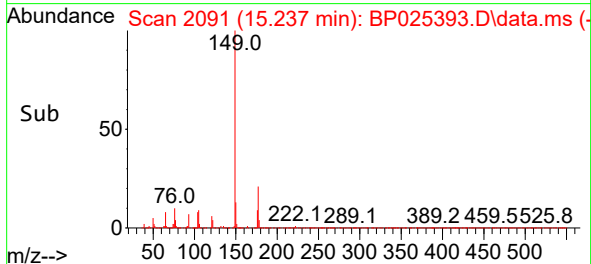
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



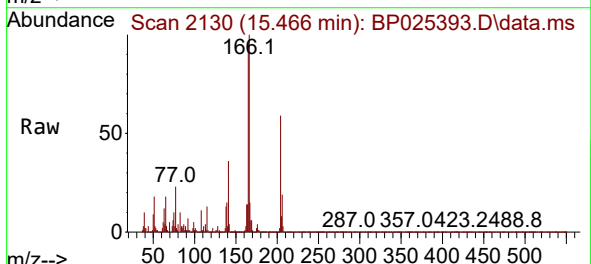
Tgt Ion:149 Resp: 158420
Ion Ratio Lower Upper
149 100
177 20.9 17.3 25.9
150 13.3 10.3 15.5

Manual Integrations
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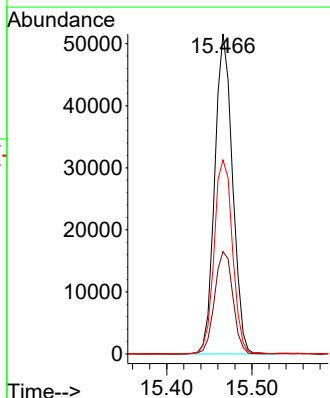
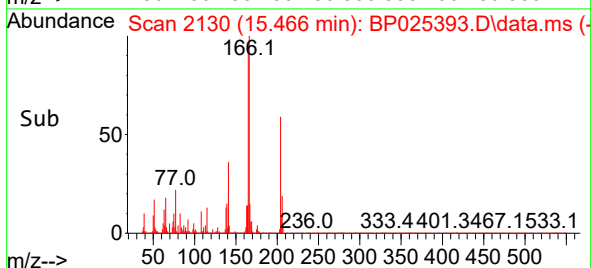
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

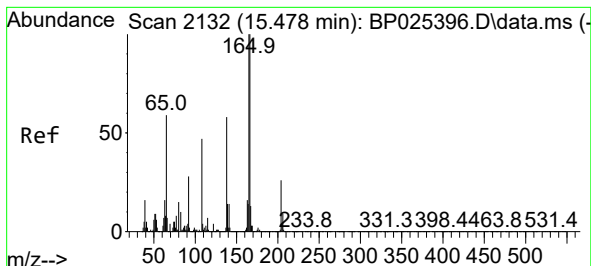


#61
4-Chlorophenyl-phenylether
Concen: 5.583 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion:204 Resp: 74636
Ion Ratio Lower Upper
204 100
206 32.0 25.8 38.8
141 60.6 49.4 74.2





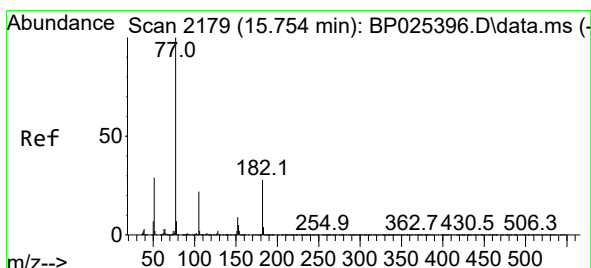
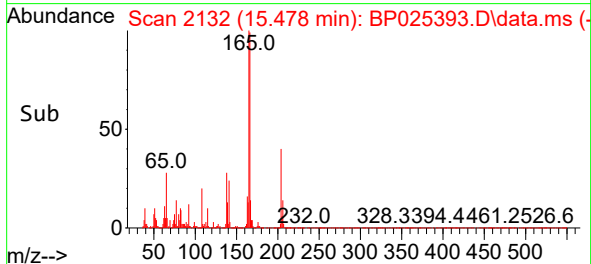
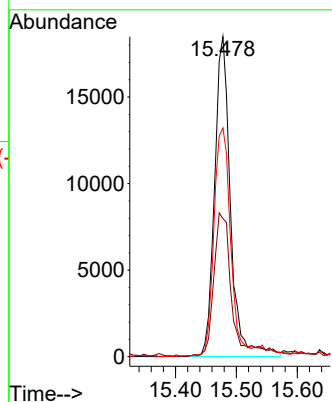
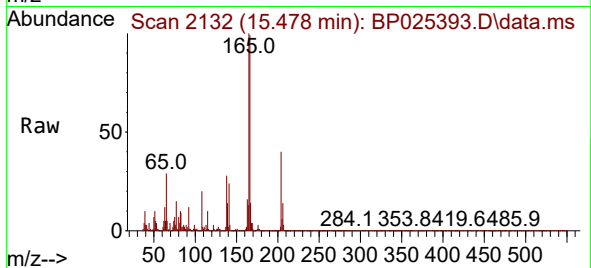
#62
4-Nitroaniline
Concen: 4.791 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 33460
Ion Ratio Lower Upper
138 100
92 43.2 29.1 69.1
108 71.5 61.5 101.5

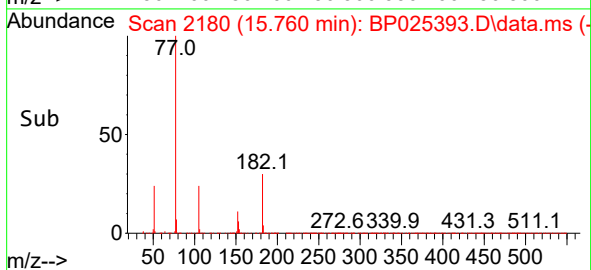
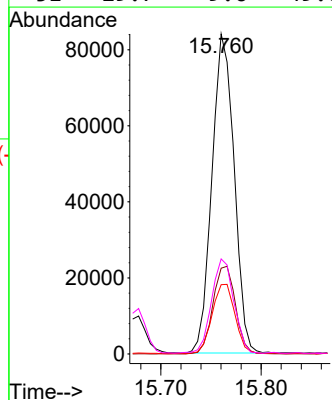
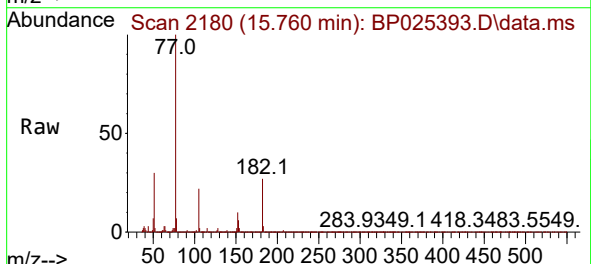
Manual Integrations
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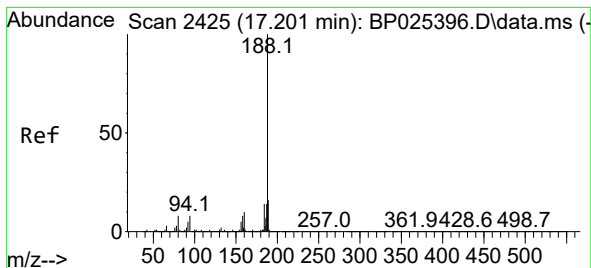
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#63
Azobenzene
Concen: 5.159 ng
RT: 15.760 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 77 Resp: 128978
Ion Ratio Lower Upper
77 100
182 26.8 7.5 47.5
105 21.6 2.1 42.1
51 29.7 9.6 49.6





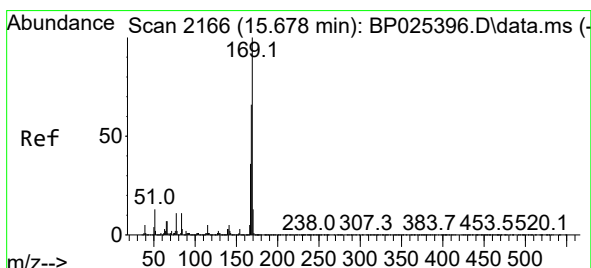
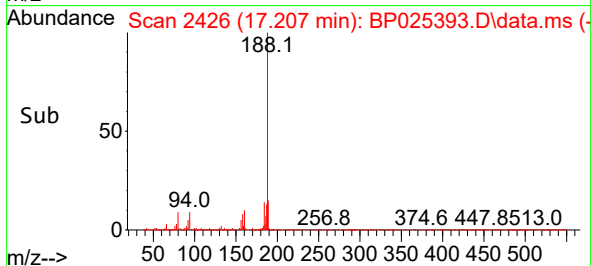
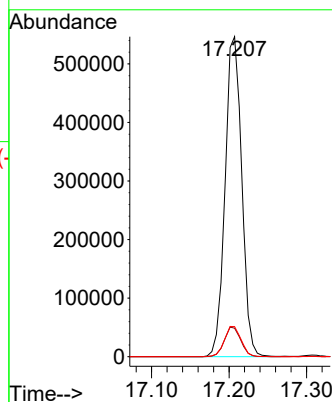
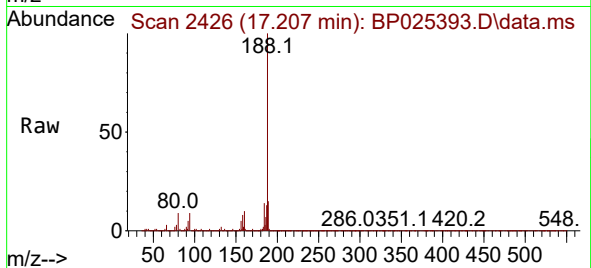
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 81633
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.4 6.7 10.1

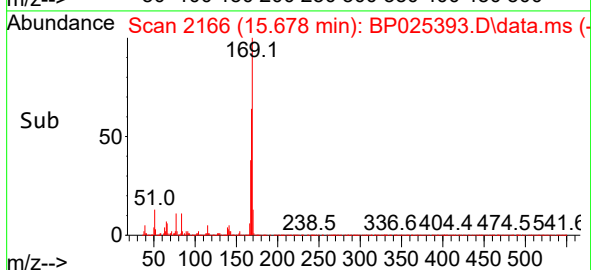
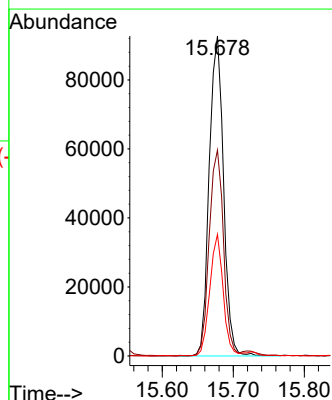
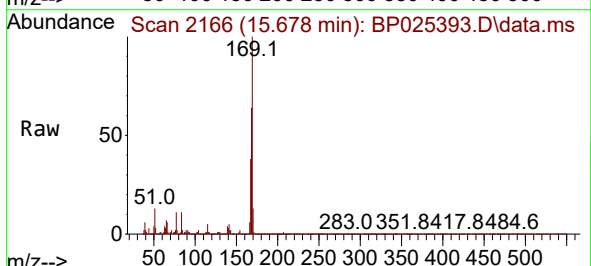
Manual Integrations
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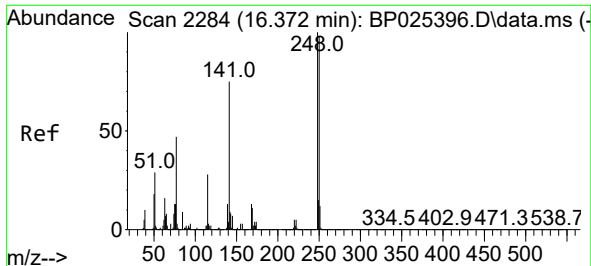
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 5.214 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:169 Resp: 129805
Ion Ratio Lower Upper
169 100
168 64.3 53.2 79.8
167 38.0 28.7 43.1





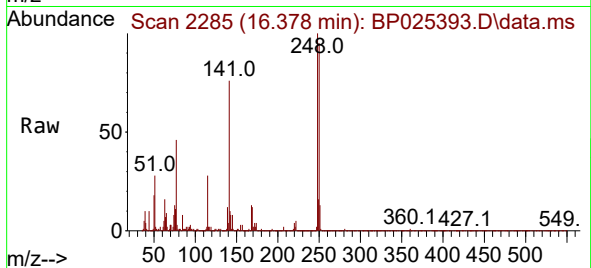
#67
4-Bromophenyl-phenylether
Concen: 5.299 ng
RT: 16.378 min Scan# 210
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005



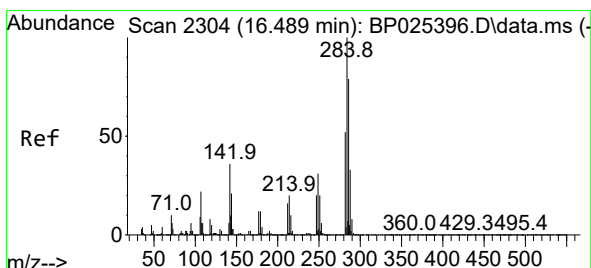
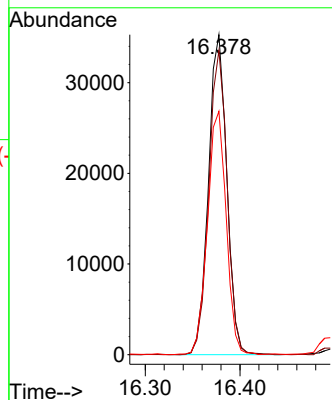
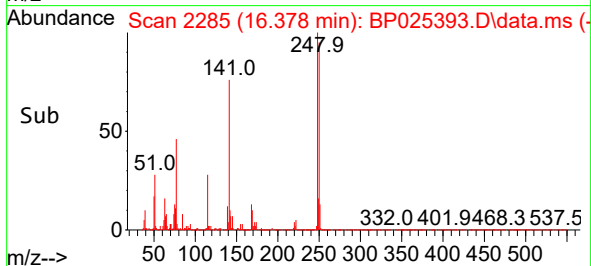
Tgt Ion:248 Resp: 47579
Ion Ratio Lower Upper
248 100
250 95.1 78.2 117.2
141 76.0 59.6 89.4

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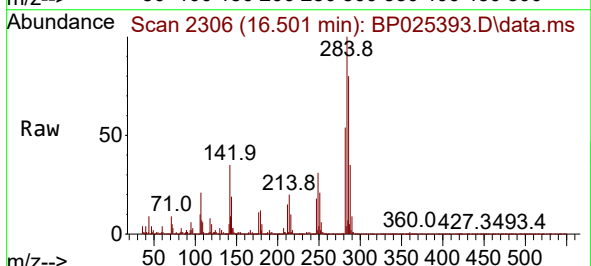
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Reviewed By :Rahul Chavli 08/15/2025

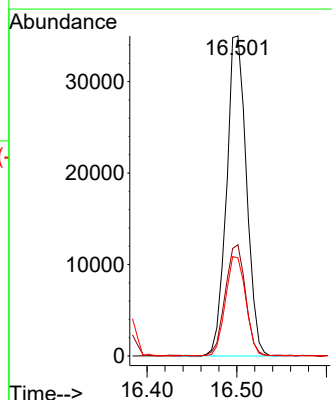
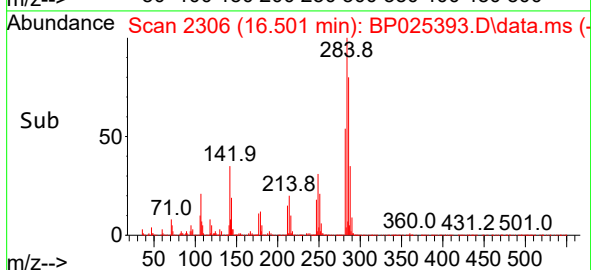
Supervised By :Jagrut Upadhyay 08/15/2025

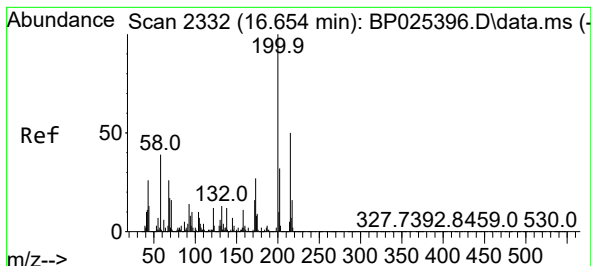


#68
Hexachlorobenzene
Concen: 5.183 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion:284 Resp: 53940
Ion Ratio Lower Upper
284 100
142 34.7 29.1 43.7
249 30.6 25.0 37.4





#69

Atrazine

Concen: 5.015 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

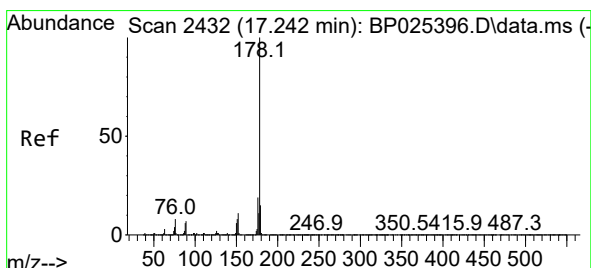
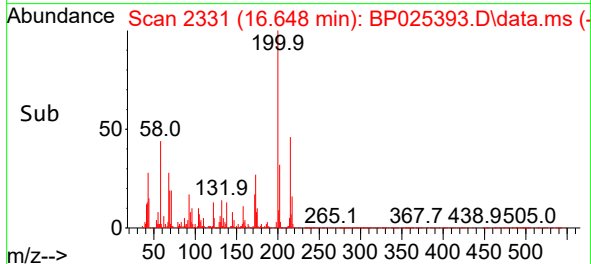
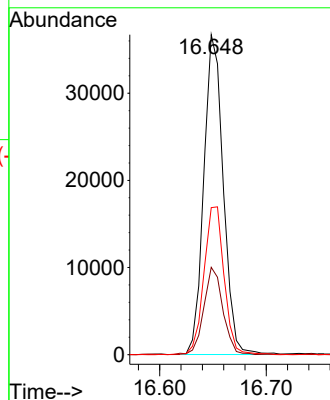
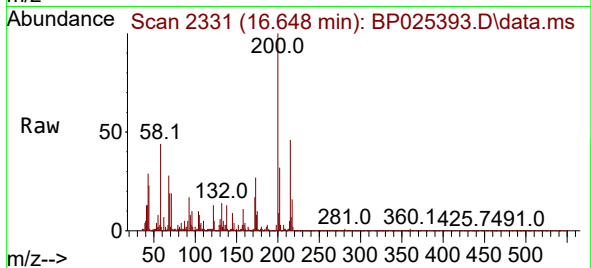
Tgt Ion:	200	Resp:	46750
Ion Ratio	Lower	Upper	
200	100		
173	27.3	6.7	46.7
215	45.9	29.7	69.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#71

Phenanthrene

Concen: 5.287 ng

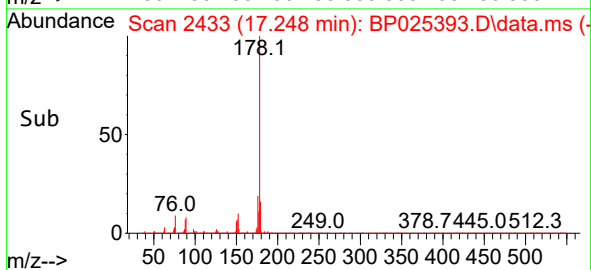
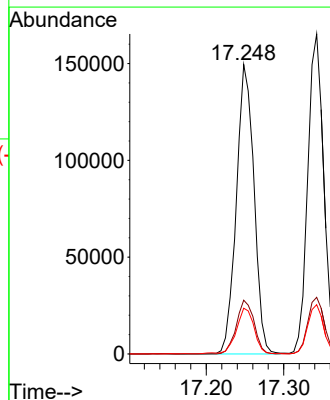
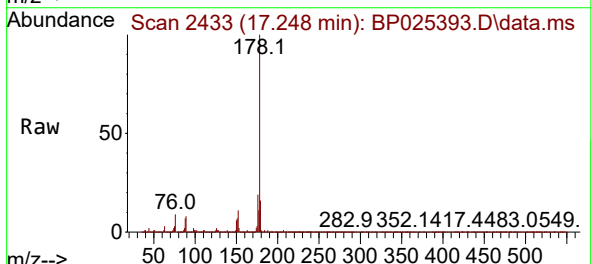
RT: 17.248 min Scan# 2433

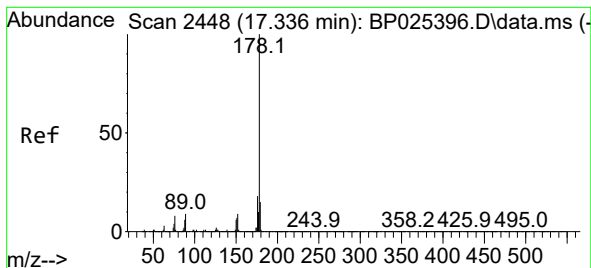
Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:	178	Resp:	237107
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.5	23.3
179	15.8	12.2	18.4





#72

Anthracene

Concen: 5.174 ng

RT: 17.342 min Scan# 2448

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

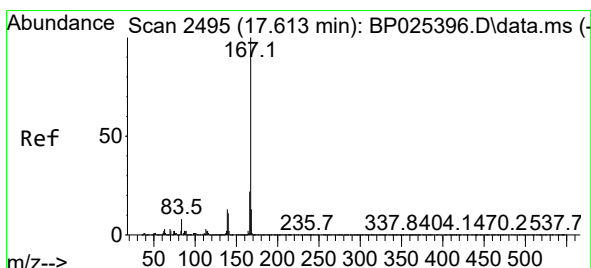
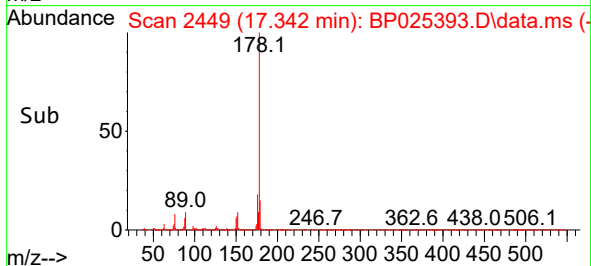
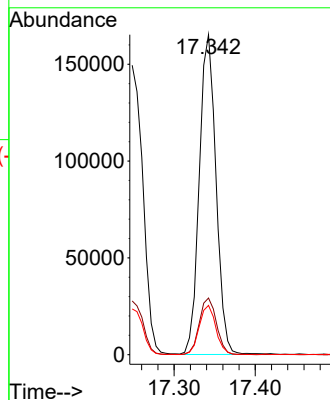
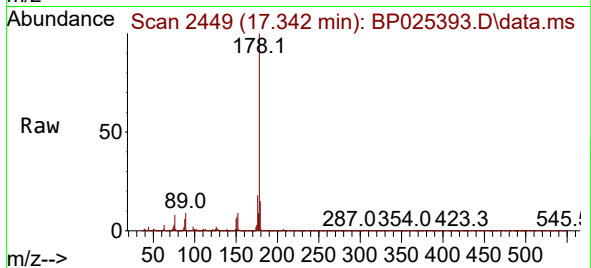
SSTDICC005

Tgt Ion:178	Resp: 236938
Ion Ratio	Lower Upper
178	100
176	17.7 14.7 22.1
179	15.4 12.2 18.2

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#73

Carbazole

Concen: 5.103 ng

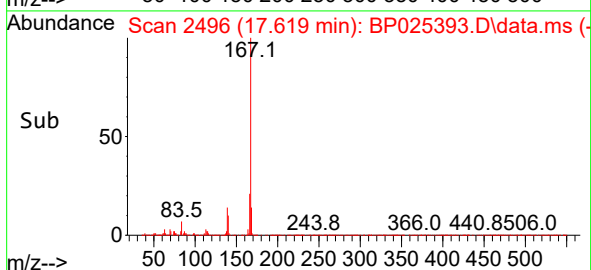
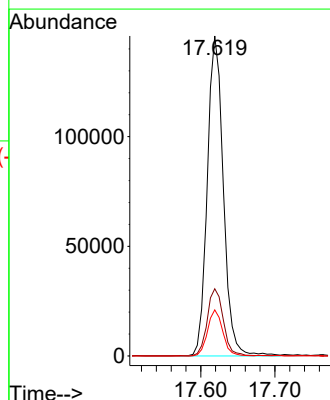
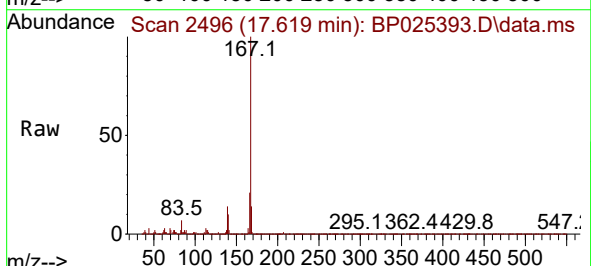
RT: 17.619 min Scan# 2496

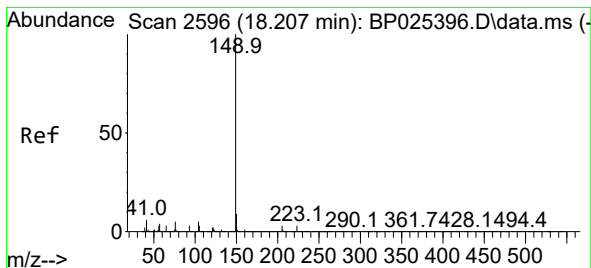
Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:167	Resp: 220112
Ion Ratio	Lower Upper
167	100
166	21.0 17.5 26.3
139	14.4 10.6 16.0





#74

Di-n-butylphthalate

Concen: 5.172 ng

RT: 18.231 min Scan# 2

Delta R.T. 0.024 min

Lab File: BP025393.D

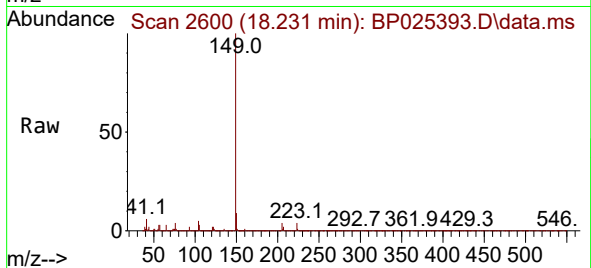
Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005



Tgt Ion:149 Resp: 27446

Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.0

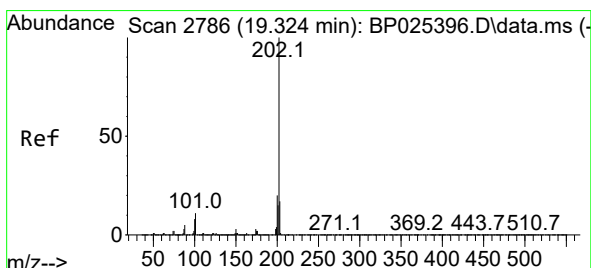
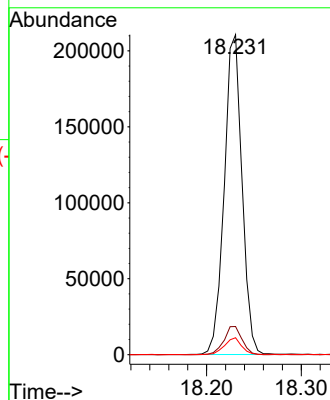
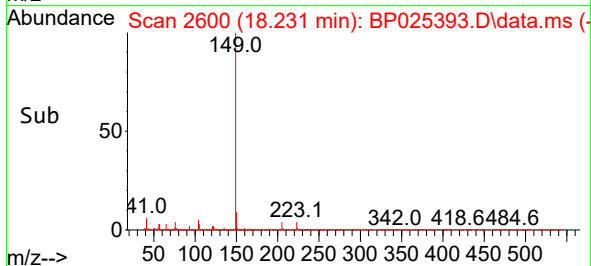
104 5.3 4.2 6.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#75

Fluoranthene

Concen: 5.225 ng

RT: 19.336 min Scan# 2788

Delta R.T. 0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

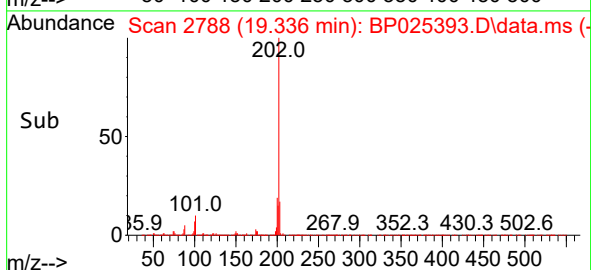
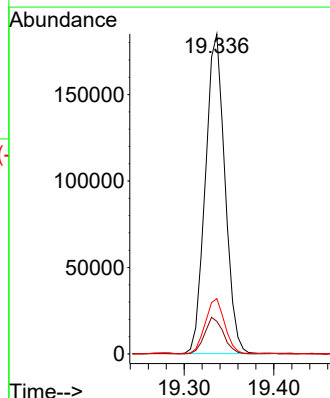
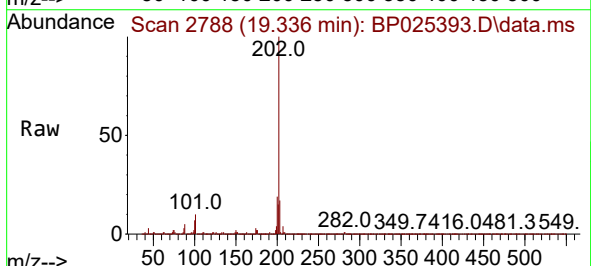
Tgt Ion:202 Resp: 279497

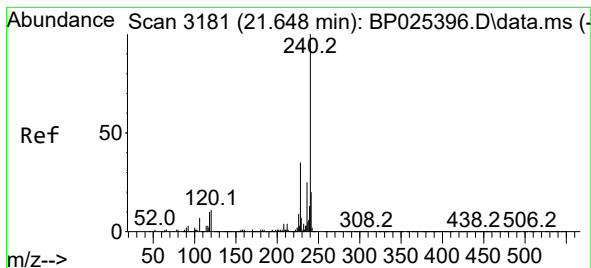
Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.1

203 17.3 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.654 min Scan# 3181

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:240 Resp: 85816

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

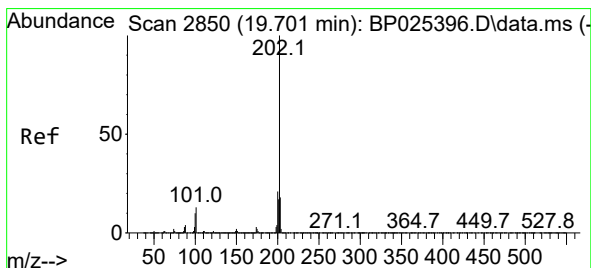
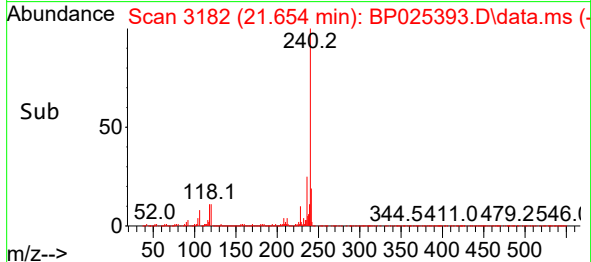
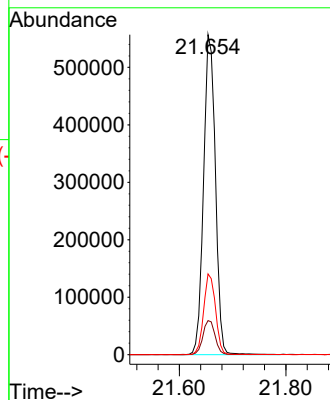
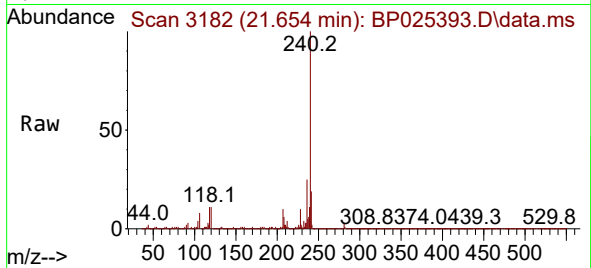
236 25.2 19.8 29.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#78

Pyrene

Concen: 5.377 ng

RT: 19.713 min Scan# 2852

Delta R.T. 0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

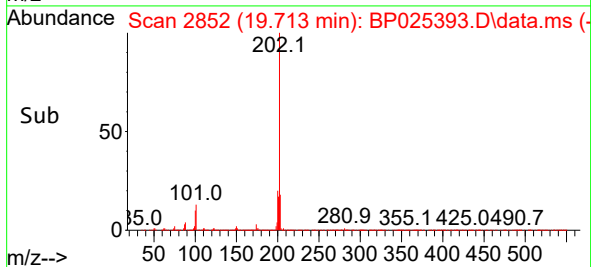
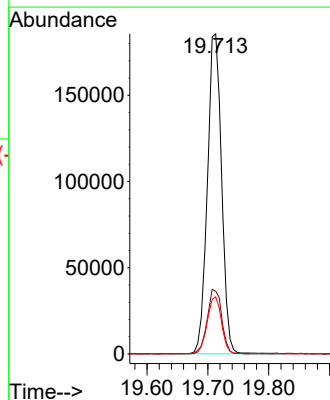
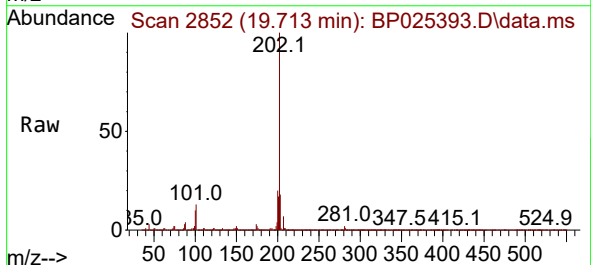
Tgt Ion:202 Resp: 299922

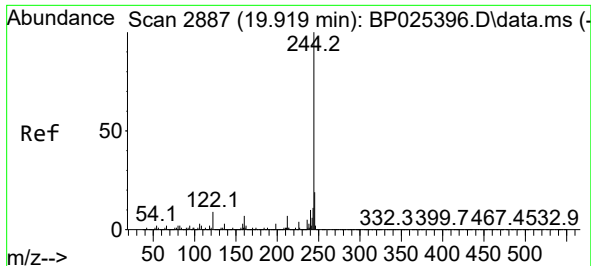
Ion Ratio Lower Upper

202 100

200 19.6 16.9 25.3

203 17.8 14.2 21.2





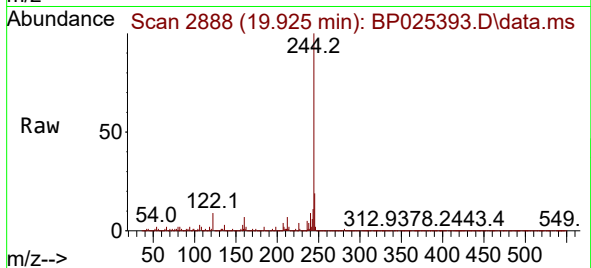
#79
 Terphenyl-d14
 Concen: 11.428 ng
 RT: 19.925 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005



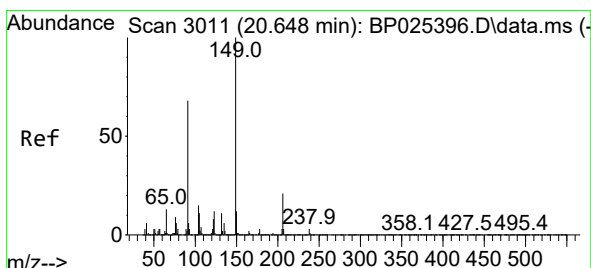
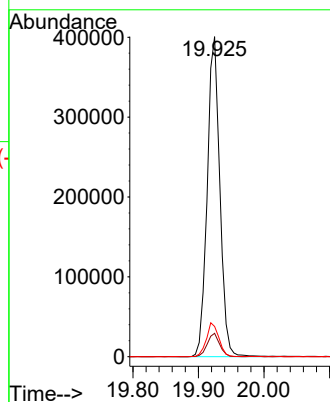
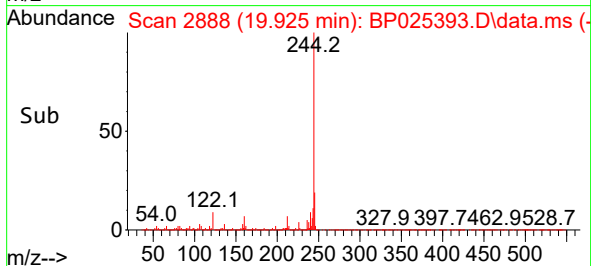
Tgt Ion:244 Resp: 536049
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 9.5 7.4 11.2

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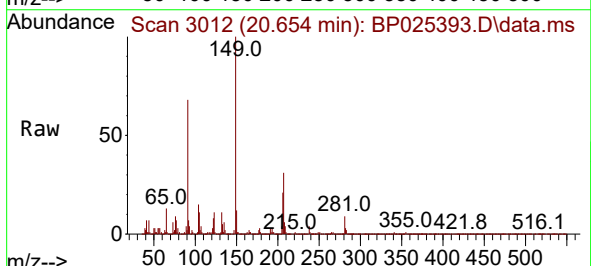
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Reviewed By :Rahul Chavli 08/15/2025

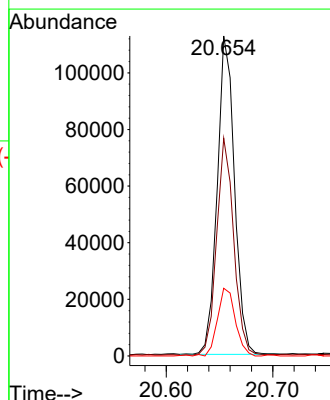
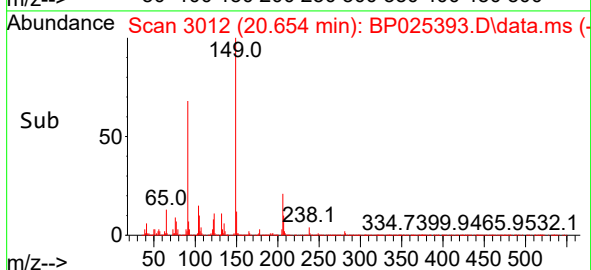
Supervised By :Jagrut Upadhyay 08/15/2025

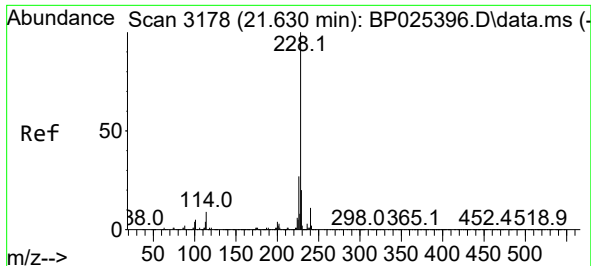


#80
 Butylbenzylphthalate
 Concen: 4.997 ng
 RT: 20.654 min Scan# 3012
 Delta R.T. 0.006 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15



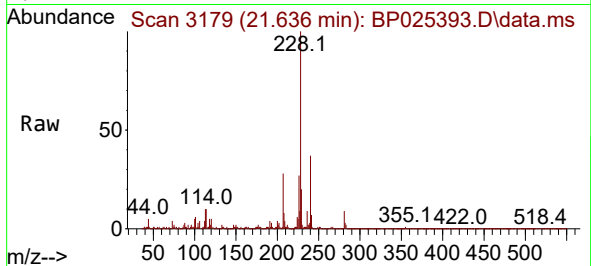
Tgt Ion:149 Resp: 126321
 Ion Ratio Lower Upper
 149 100
 91 68.0 54.2 81.2
 206 21.1 16.6 24.8





#81
Benzo(a)anthracene
Concen: 5.245 ng
RT: 21.636 min Scan# 3178
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

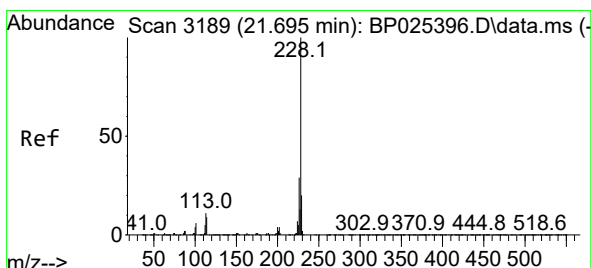
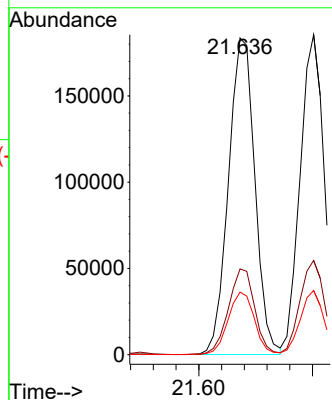
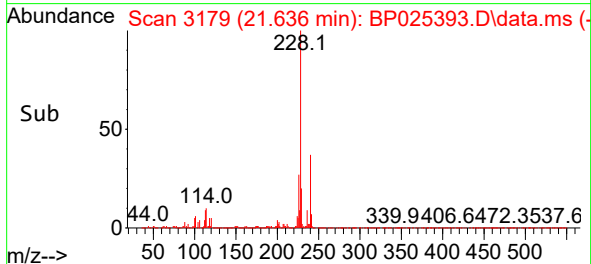
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



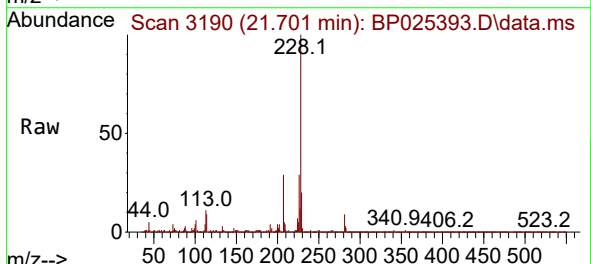
Tgt Ion:228 Resp: 29684
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.8 15.6 23.4

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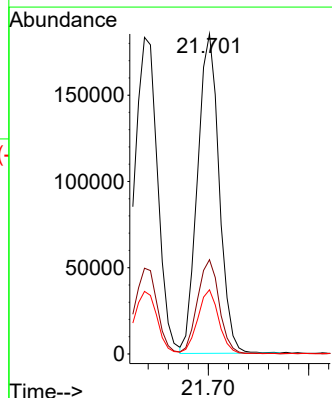
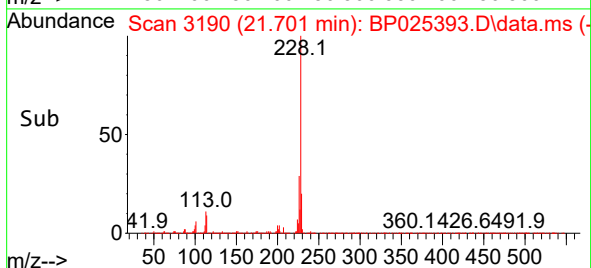
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

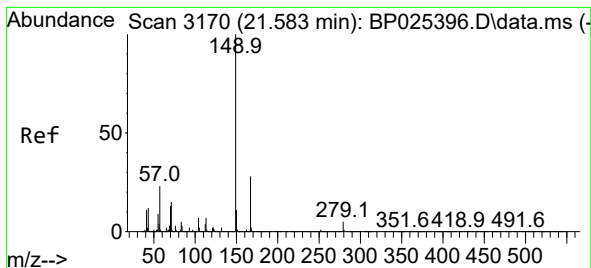


#83
Chrysene
Concen: 5.229 ng
RT: 21.701 min Scan# 3190
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



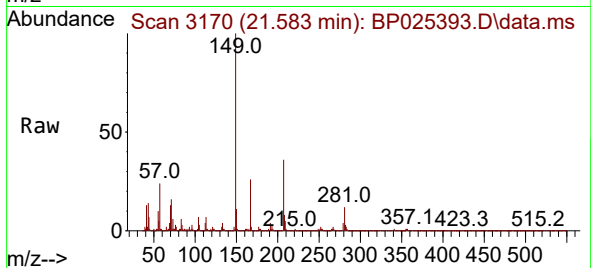
Tgt Ion:228 Resp: 277175
Ion Ratio Lower Upper
228 100
226 29.5 23.2 34.8
229 20.0 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.228 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

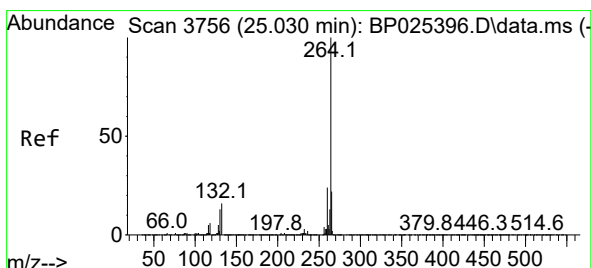
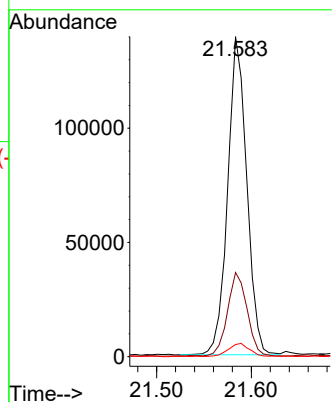
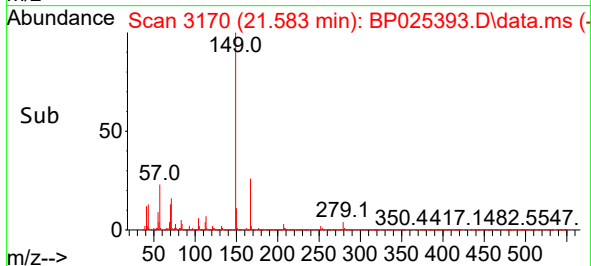
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



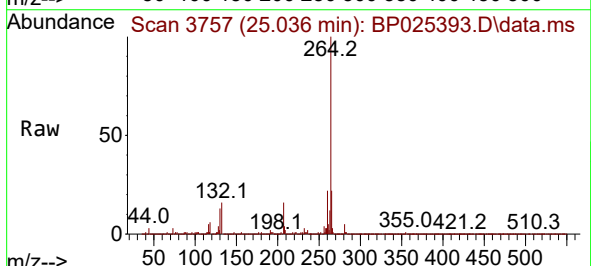
Tgt Ion:149 Resp: 19454
Ion Ratio Lower Upper
149 100
167 26.3 22.1 33.1
279 3.8 3.8 5.6

Manual Integrations
APPROVED

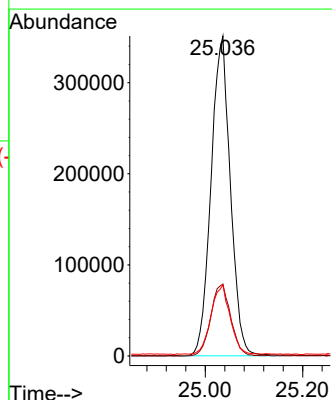
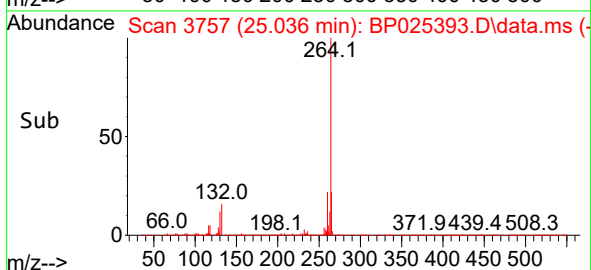
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

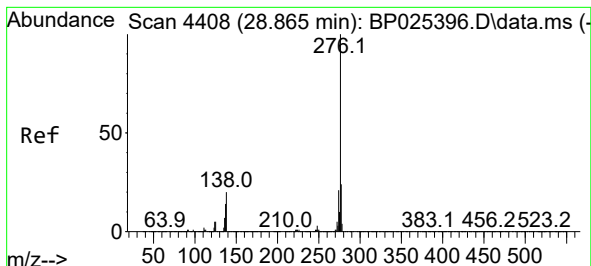


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion:264 Resp: 963881
Ion Ratio Lower Upper
264 100
260 22.5 19.3 28.9
265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.956 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

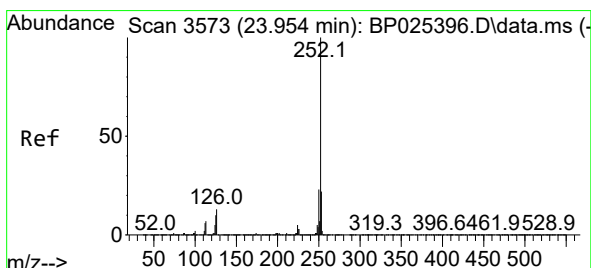
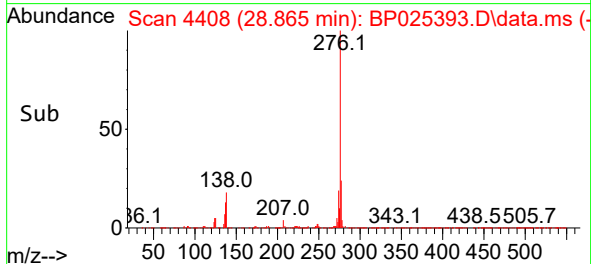
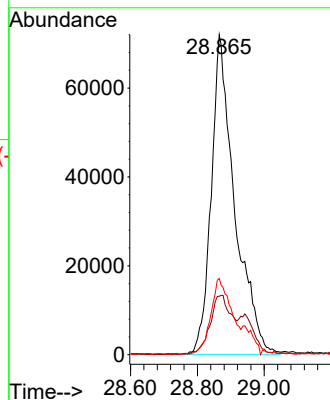
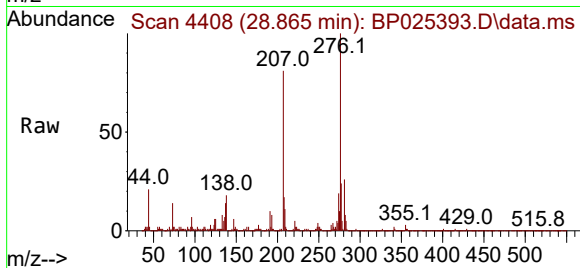
Tgt Ion:	276	Resp:	350414
Ion Ratio	Lower	Upper	
276	100		
138	17.1	12.9	19.3
277	20.8	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 5.099 ng

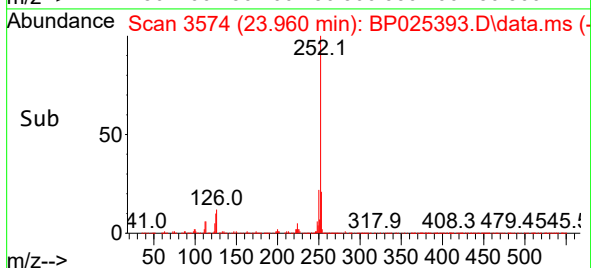
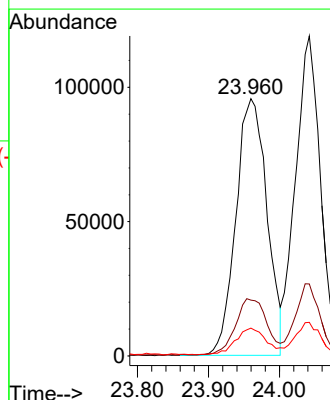
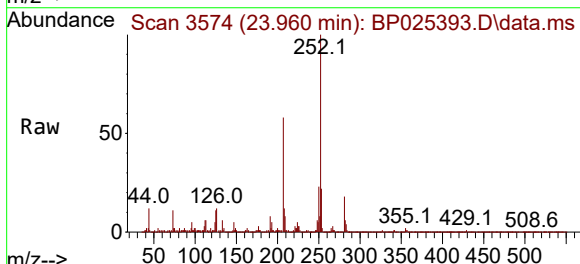
RT: 23.960 min Scan# 3574

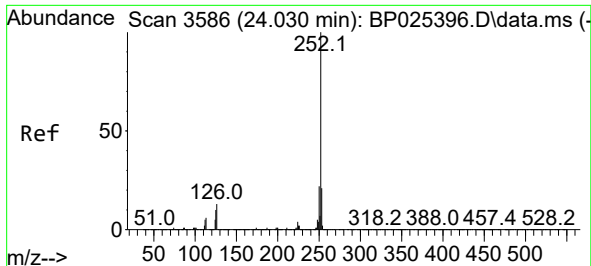
Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

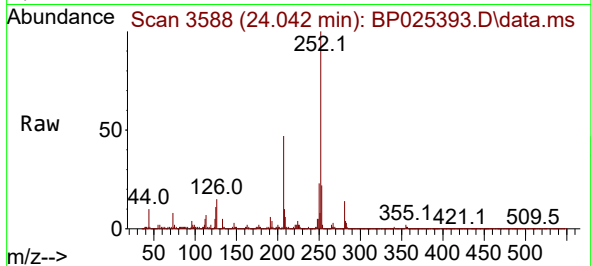
Tgt Ion:	252	Resp:	289797
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.7	26.5
125	10.8	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 5.091 ng
RT: 24.042 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

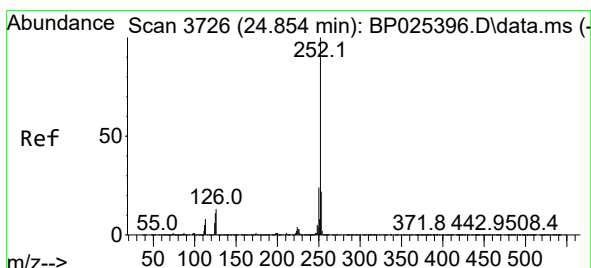
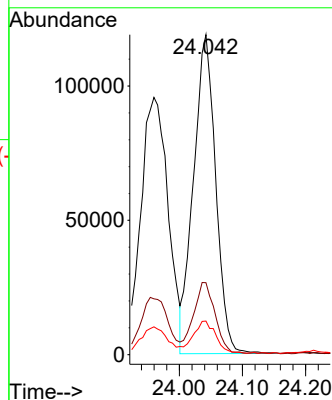
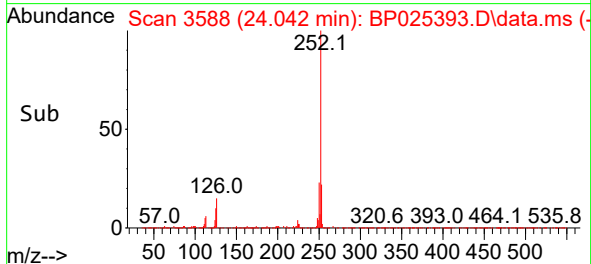
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



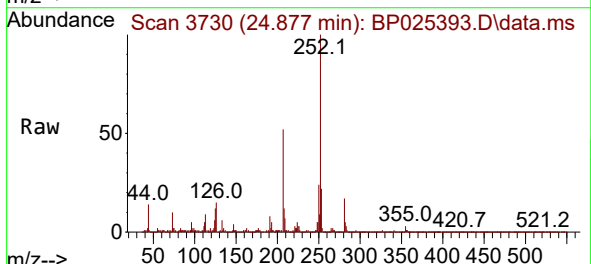
Tgt Ion:252 Resp: 289550
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 10.5 7.8 11.6

Manual Integrations
APPROVED

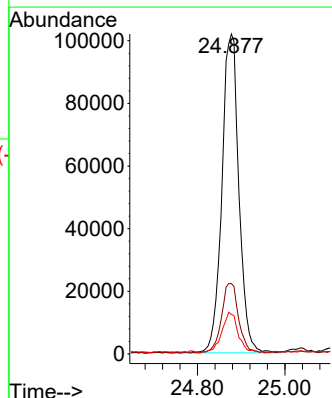
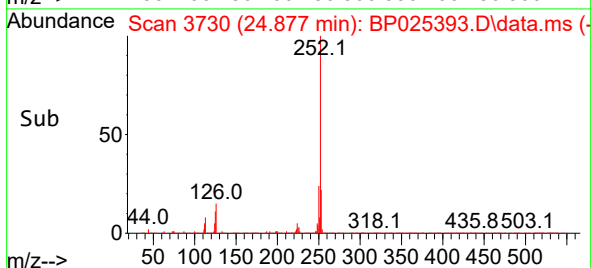
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

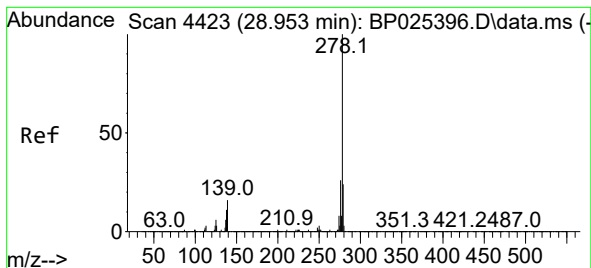


#90
Benzo(a)pyrene
Concen: 4.960 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion:252 Resp: 274440
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 12.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 4.924 ng

RT: 28.942 min Scan# 4423

Delta R.T. -0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

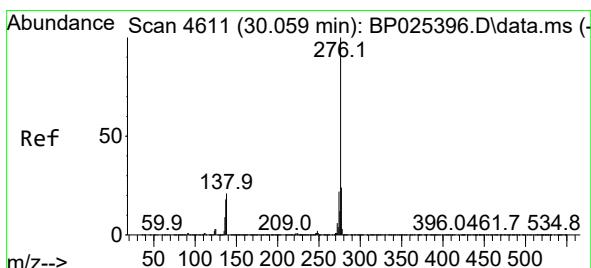
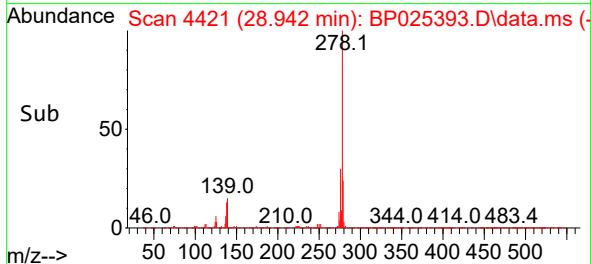
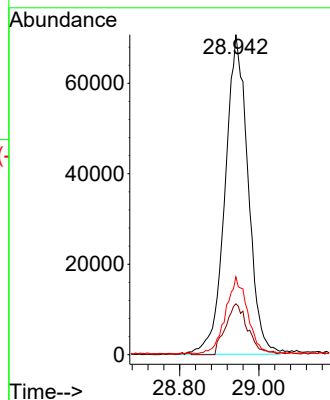
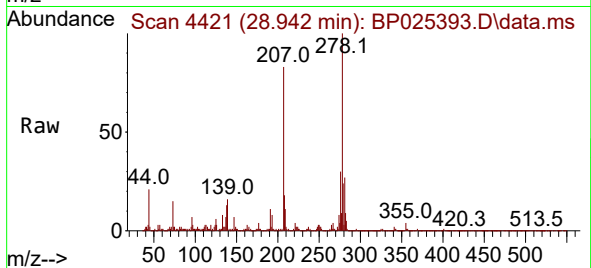
Tgt Ion: 278 Resp: 284440
 Ion Ratio Lower Upper
 278 100
 139 15.9 13.0 19.4
 279 24.3 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 4.931 ng

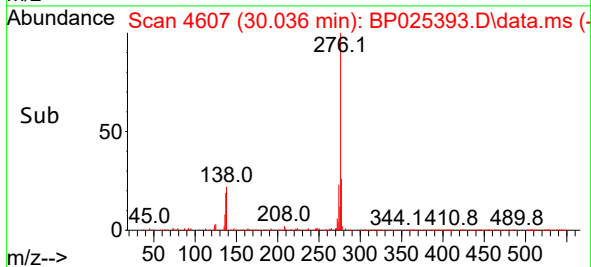
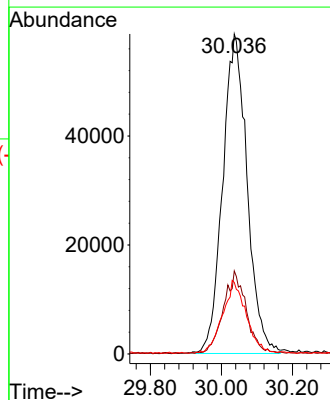
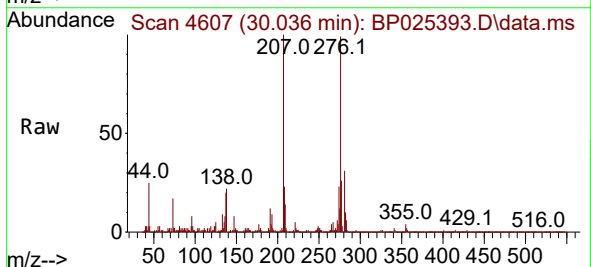
RT: 30.036 min Scan# 4607

Delta R.T. -0.023 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion: 276 Resp: 279987
 Ion Ratio Lower Upper
 276 100
 277 26.0 19.4 29.0
 138 22.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025394.D
 Acq On : 14 Aug 2025 13:56
 Operator : CG/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 14 17:53:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137852	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	563995	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	383199	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	780940	20.000	ng	0.00
76) Chrysene-d12	21.648	240	860386	20.000	ng	0.00
86) Perylene-d12	25.036	264	980670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	162289	19.551	ng	0.00
7) Phenol-d6	6.966	99	202204	19.000	ng	0.00
23) Nitrobenzene-d5	8.931	82	212236	19.036	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	99083	19.210	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	568359	20.271	ng	0.00
79) Terphenyl-d14	19.924	244	946422	20.125	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	31948	9.826	ng	98
3) Pyridine	3.731	79	86156	9.681	ng	100
4) n-Nitrosodimethylamine	3.637	42	35519	9.681	ng	# 99
6) Aniline	7.125	93	135217	9.430	ng	99
8) 2-Chlorophenol	7.366	128	88413	9.439	ng	98
9) Benzaldehyde	6.943	77	68064m	9.129	ng	
10) Phenol	6.996	94	105394	9.438	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	81541	9.368	ng	98
12) 1,3-Dichlorobenzene	7.684	146	98782	9.564	ng	98
13) 1,4-Dichlorobenzene	7.825	146	102729	9.731	ng	98
14) 1,2-Dichlorobenzene	8.143	146	98589	9.647	ng	98
15) Benzyl Alcohol	8.025	79	78411	9.273	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	109744	9.412	ng	99
17) 2-Methylphenol	8.231	107	70991	9.153	ng	98
18) Hexachloroethane	8.866	117	37473	9.654	ng	98
19) n-Nitroso-di-n-propyla...	8.584	70	66105	9.366	ng	99
20) 3+4-Methylphenols	8.549	107	99382	9.244	ng	97
22) Acetophenone	8.602	105	137361	9.712	ng	# 98
24) Nitrobenzene	8.972	77	96502	9.685	ng	97
25) Isophorone	9.502	82	189510	9.604	ng	99
26) 2-Nitrophenol	9.678	139	45860	8.968	ng	96
27) 2,4-Dimethylphenol	9.737	122	85465	9.718	ng	98
28) bis(2-Chloroethoxy)met...	9.972	93	114635	9.611	ng	99
29) 2,4-Dichlorophenol	10.213	162	82676	9.464	ng	97
30) 1,2,4-Trichlorobenzene	10.431	180	92664	9.676	ng	94
31) Naphthalene	10.613	128	287754	9.816	ng	99
32) Benzoic acid	9.825	122	53034m	8.188	ng	
33) 4-Chloroaniline	10.713	127	122647	9.472	ng	98
34) Hexachlorobutadiene	10.901	225	57821	9.695	ng	97
35) Caprolactam	11.472	113	32038	10.001	ng	93
36) 4-Chloro-3-methylphenol	11.837	107	94538	9.431	ng	97
37) 2-Methylnaphthalene	12.219	142	184172	9.654	ng	100
38) 1-Methylnaphthalene	12.437	142	199160	9.817	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	107104	9.678	ng	99
41) Hexachlorocyclopentadiene	12.572	237	52588	7.867	ng	97
43) 2,4,6-Trichlorophenol	12.831	196	69780	9.339	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025394.D
 Acq On : 14 Aug 2025 13:56
 Operator : CG/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

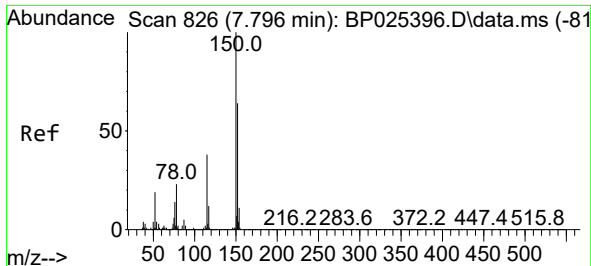
Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:53:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	73744	9.006	ng	98
46) 1,1'-Biphenyl	13.237	154	271710	9.763	ng	98
47) 2-Chloronaphthalene	13.272	162	209419	9.666	ng	99
48) 2-Nitroaniline	13.466	65	58630	9.287	ng	97
49) Acenaphthylene	14.119	152	346021	9.652	ng	99
50) Dimethylphthalate	13.860	163	277701	9.896	ng	99
51) 2,6-Dinitrotoluene	13.972	165	54957	9.292	ng	96
52) Acenaphthene	14.472	154	207239m	9.848	ng	
53) 3-Nitroaniline	14.301	138	62991	9.466	ng	93
54) 2,4-Dinitrophenol	14.513	184	21748	6.886	ng	99
55) Dibenzofuran	14.807	168	327734	9.851	ng	100
56) 4-Nitrophenol	14.625	139	48103	8.797	ng	97
57) 2,4-Dinitrotoluene	14.766	165	77950	9.237	ng	100
58) Fluorene	15.472	166	266610	10.156	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.042	232	68931	9.533	ng	99
60) Diethylphthalate	15.242	149	282526	9.909	ng	98
61) 4-Chlorophenyl-phenyle...	15.466	204	131137	10.044	ng	99
62) 4-Nitroaniline	15.478	138	64375	9.437	ng	99
63) Azobenzene	15.766	77	234879	9.620	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	37380	7.679	ng	97
66) n-Nitrosodiphenylamine	15.684	169	235344	9.883	ng	100
67) 4-Bromophenyl-phenylether	16.384	248	80373	9.358	ng	98
68) Hexachlorobenzene	16.501	284	98614	9.905	ng	96
69) Atrazine	16.660	200	88240	9.894	ng	98
70) Pentachlorophenol	16.854	266	52539	8.360	ng	97
71) Phenanthrene	17.248	178	429752	10.018	ng	99
72) Anthracene	17.348	178	438953	10.020	ng	100
73) Carbazole	17.619	167	410726	9.954	ng	99
74) Di-n-butylphthalate	18.219	149	490232	9.656	ng	99
75) Fluoranthene	19.330	202	516523	10.094	ng	99
77) Benzidine	19.525	184	276193	9.406	ng	99
78) Pyrene	19.707	202	542670	9.704	ng	100
80) Butylbenzylphthalate	20.660	149	239416	9.446	ng	98
81) Benzo(a)anthracene	21.624	228	560279	9.874	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	207153	9.686	ng	99
83) Chrysene	21.701	228	522411	9.831	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	355530	9.529	ng	99
85) Di-n-octyl phthalate	22.877	149	594195	9.259	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	678980m	9.438	ng	
88) Benzo(b)fluoranthene	23.954	252	552191	9.549	ng	99
89) Benzo(k)fluoranthene	24.018	252	567080	9.800	ng	98
90) Benzo(a)pyrene	24.854	252	535820	9.519	ng	99
91) Dibenzo(a,h)anthracene	28.959	278	551694	9.387	ng	99
92) Benzo(g,h,i)perylene	30.047	276	548117	9.489	ng	99

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



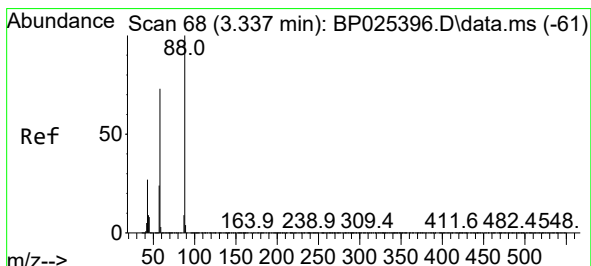
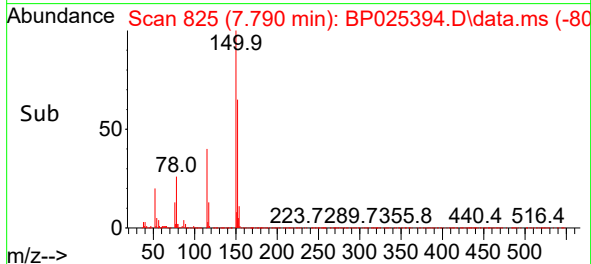
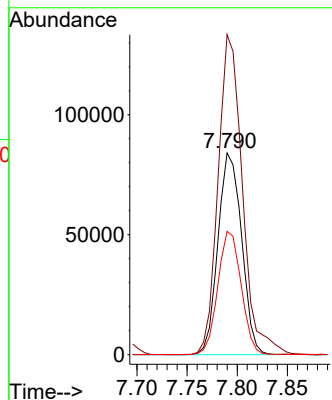
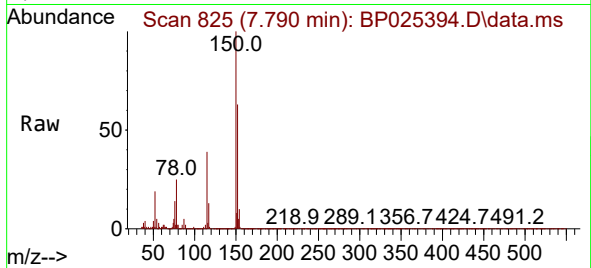
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
Client Sample Id :
SSTDICC010

Tgt Ion: 152 Resp: 13785
Ion Ratio Lower Upper
152 100
150 158.6 125.9 188.9
115 61.1 48.5 72.7

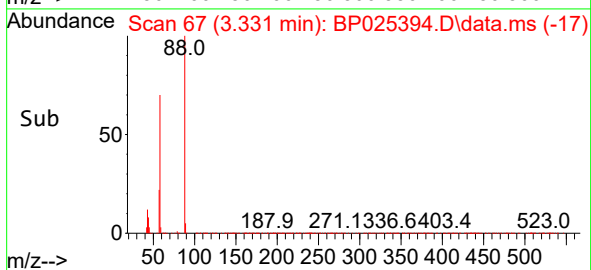
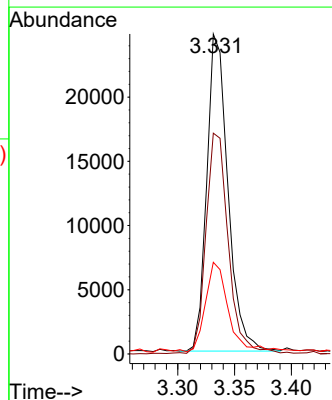
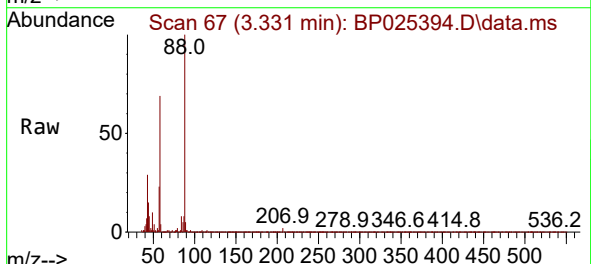
Manual Integrations
APPROVED

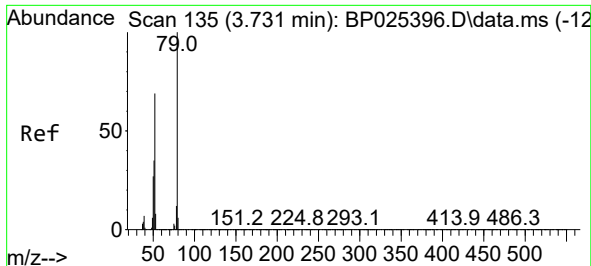
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 9.826 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

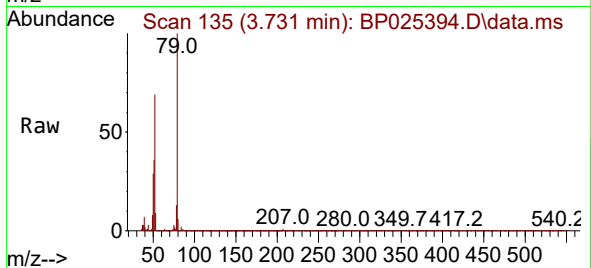
Tgt Ion: 88 Resp: 31948
Ion Ratio Lower Upper
88 100
58 74.0 59.2 88.8
43 30.8 21.7 32.5





#3
Pyridine
Concen: 9.681 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

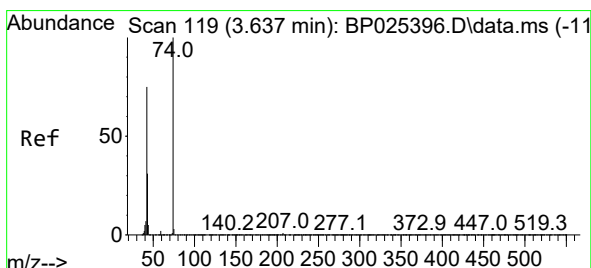
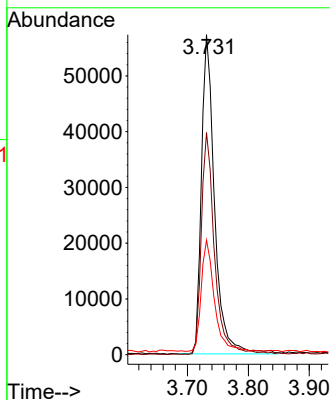
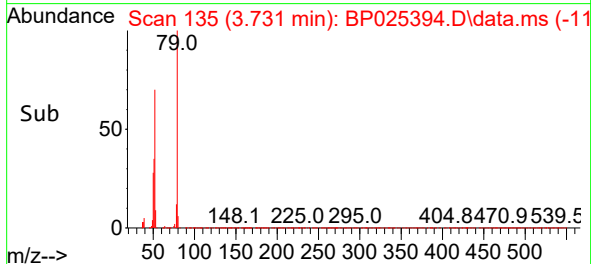
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



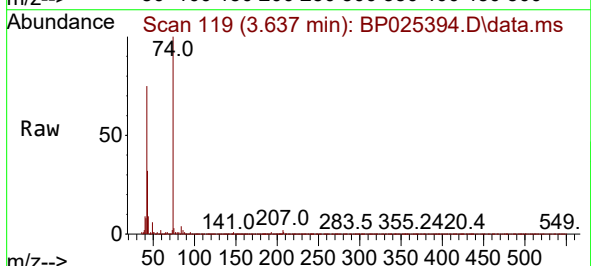
Tgt Ion: 79 Resp: 86150
Ion Ratio Lower Upper
79 100
52 69.4 55.5 83.3
51 35.8 28.3 42.5

Manual Integrations
APPROVED

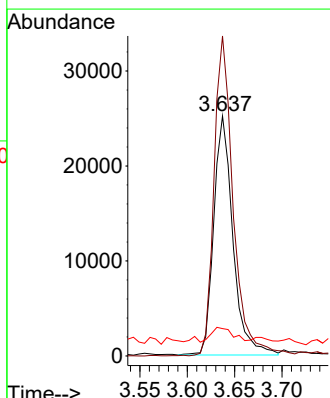
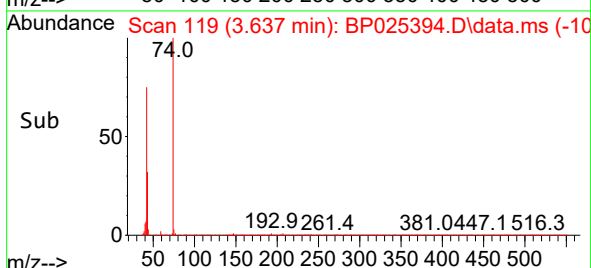
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

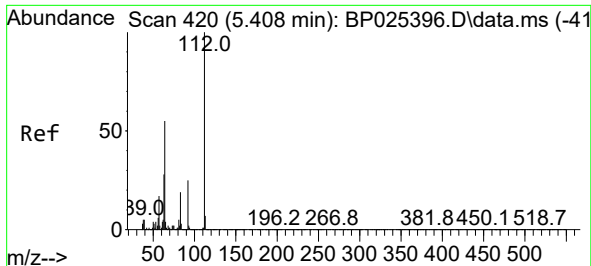


#4
n-Nitrosodimethylamine
Concen: 9.681 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion: 42 Resp: 35519
Ion Ratio Lower Upper
42 100
74 133.3 107.0 160.4
44 11.4 6.2 9.4





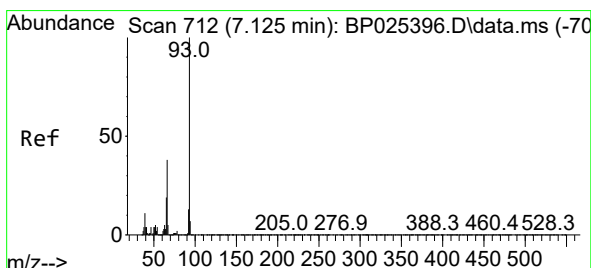
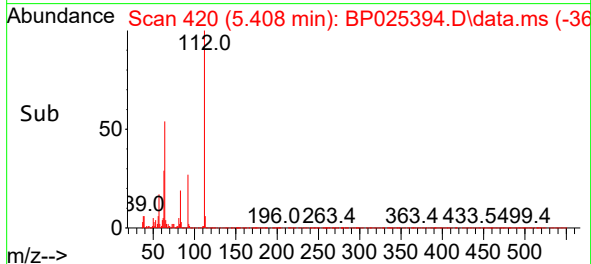
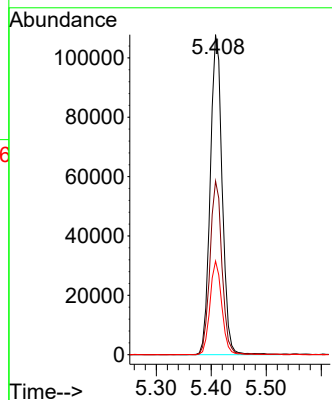
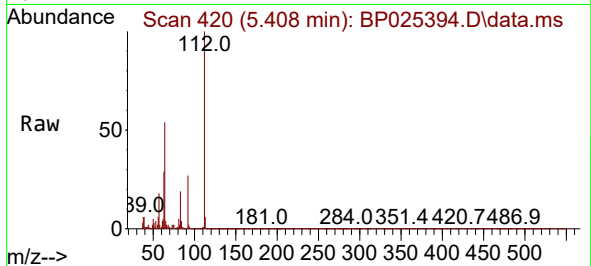
#5
2-Fluorophenol
Concen: 19.551 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 112 Resp: 162289
Ion Ratio Lower Upper
112 100
64 54.3 43.8 65.8
63 29.3 22.7 34.1

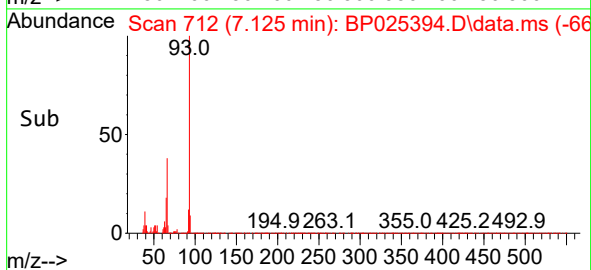
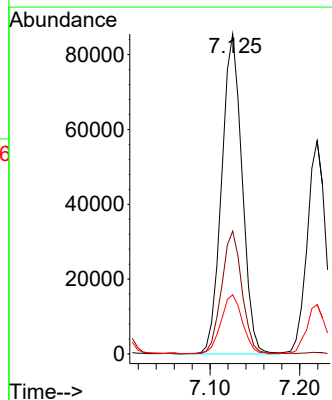
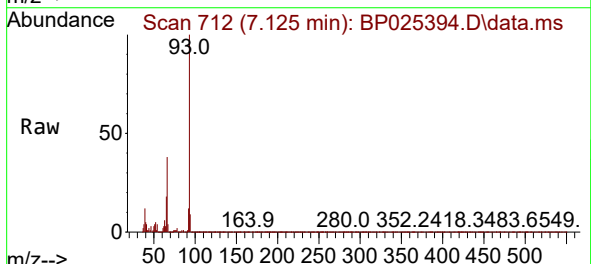
Manual Integrations
APPROVED

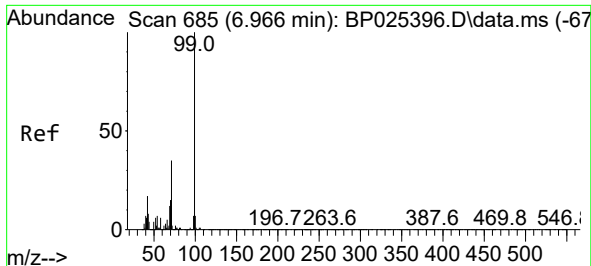
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 9.430 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 135217
Ion Ratio Lower Upper
93 100
66 38.4 30.4 45.6
65 18.5 15.3 22.9





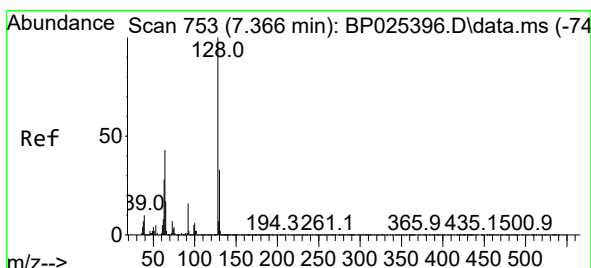
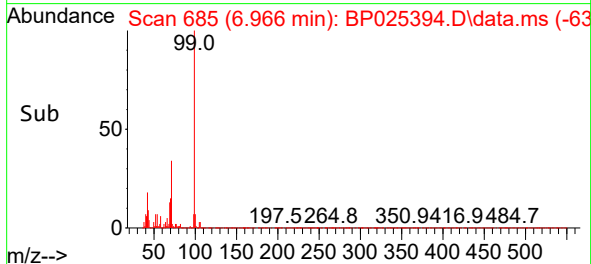
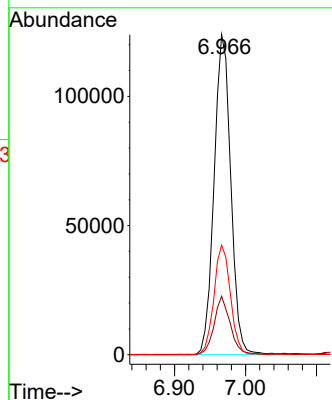
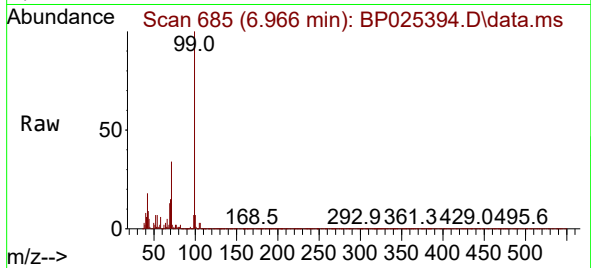
#7
Phenol-d6
Concen: 19.000 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 202204
Ion Ratio Lower Upper
99 100
42 18.3 13.7 20.5
71 34.2 28.2 42.4

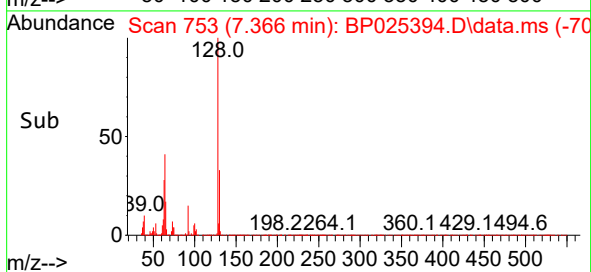
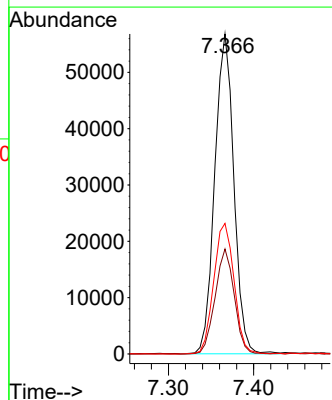
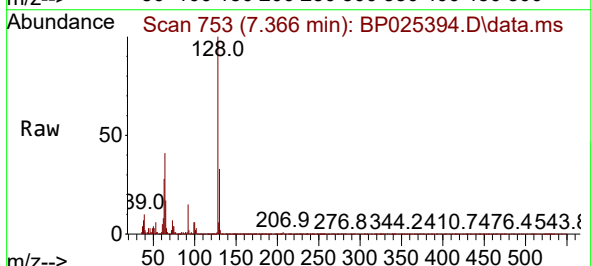
Manual Integrations
APPROVED

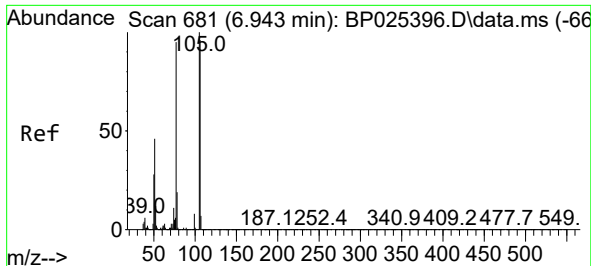
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 9.439 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

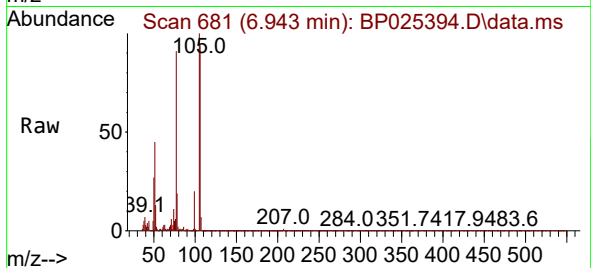
Tgt Ion:128 Resp: 88413
Ion Ratio Lower Upper
128 100
130 32.8 12.6 52.6
64 40.8 23.4 63.4





#9
Benzaldehyde
Concen: 9.129 ng m
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

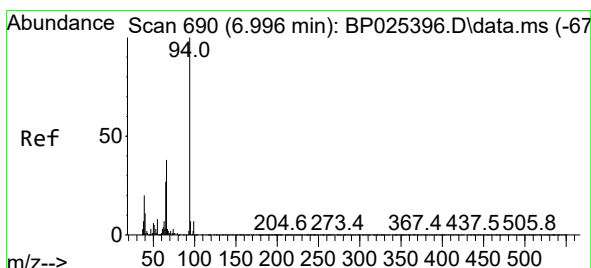
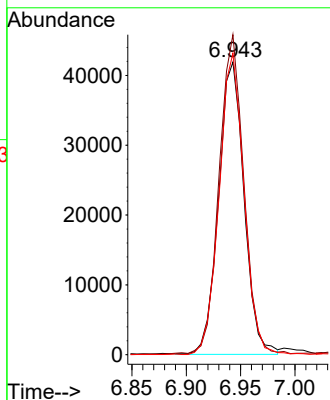
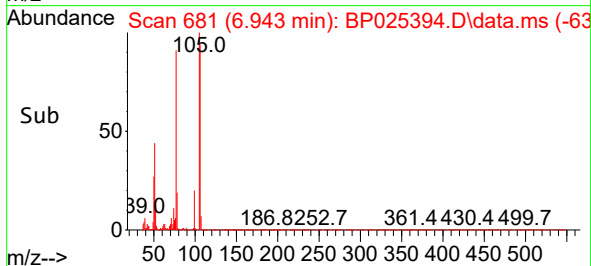
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



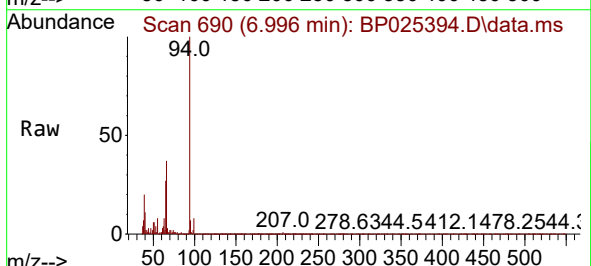
Tgt Ion: 77 Resp: 68064
Ion Ratio Lower Upper
77 100
105 109.4 84.8 124.8
106 103.0 80.5 120.5

Manual Integrations
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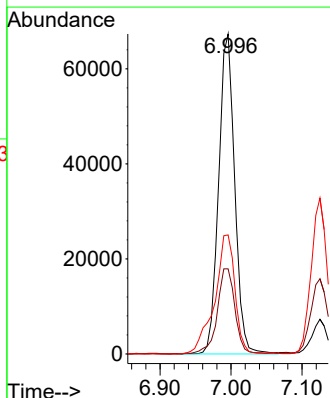
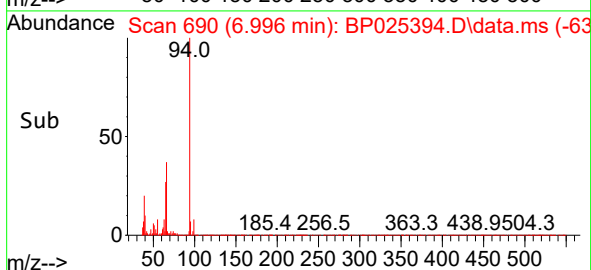
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

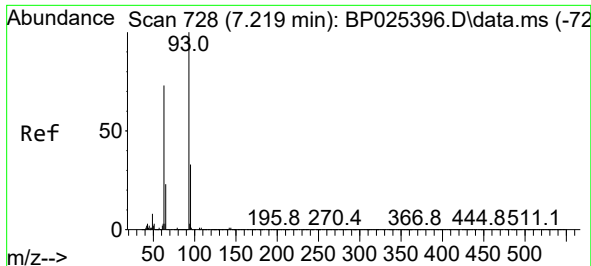


#10
Phenol
Concen: 9.438 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



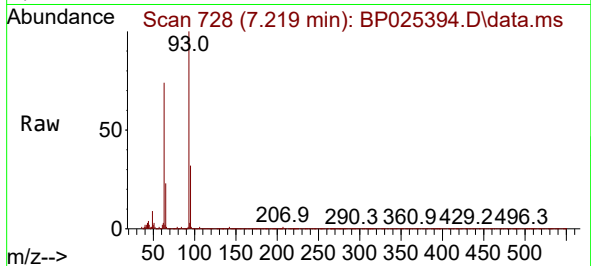
Tgt Ion: 94 Resp: 105394
Ion Ratio Lower Upper
94 100
65 26.6 6.8 46.8
66 37.2 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 9.368 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

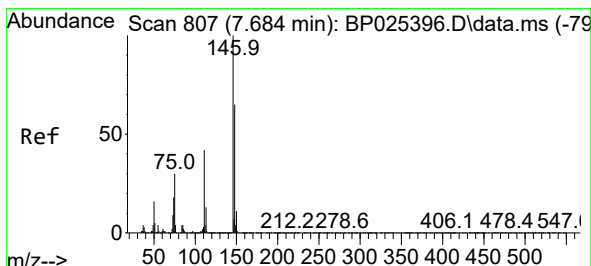
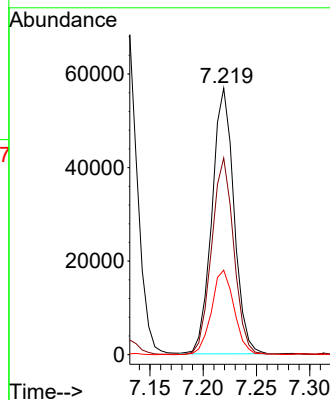
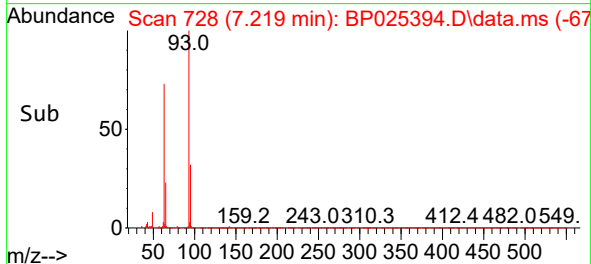
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



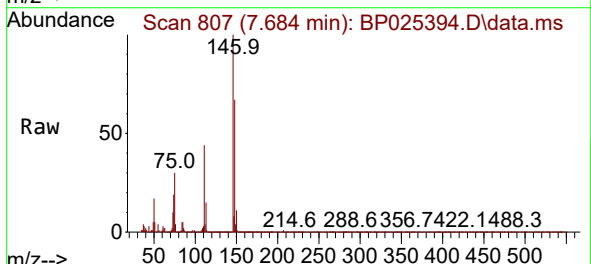
Tgt Ion: 93 Resp: 8154
Ion Ratio Lower Upper
93 100
63 73.7 52.6 92.6
95 31.7 12.7 52.7

Manual Integrations
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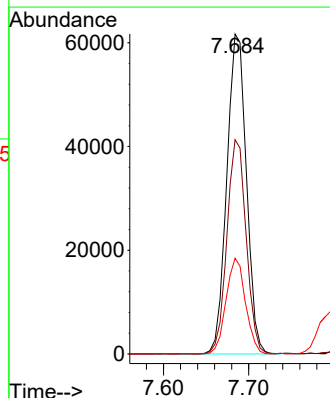
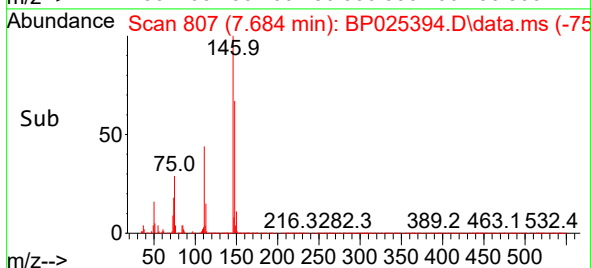
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

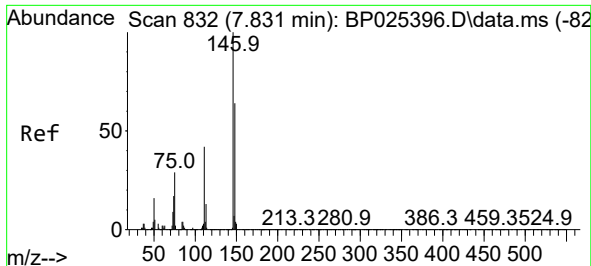


#12
1,3-Dichlorobenzene
Concen: 9.564 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:146 Resp: 98782
Ion Ratio Lower Upper
146 100
148 67.0 51.9 77.9
75 29.9 23.7 35.5





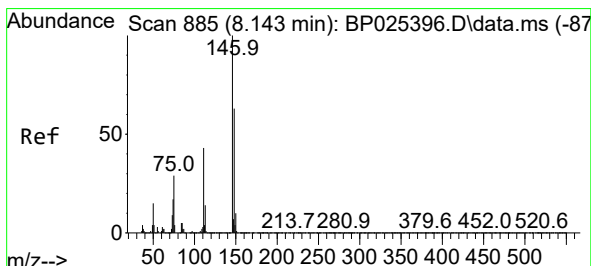
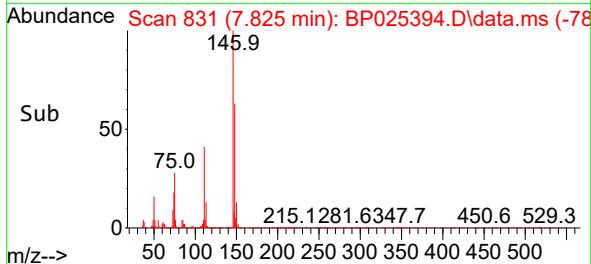
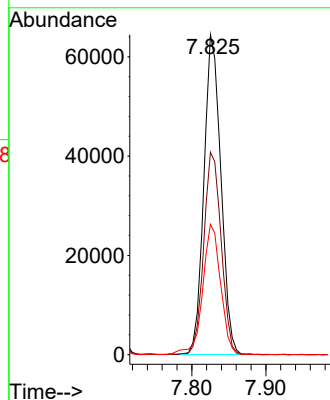
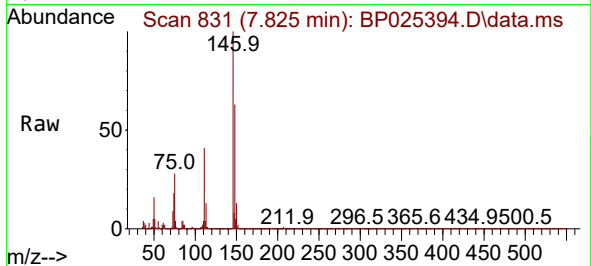
#13
1,4-Dichlorobenzene
Concen: 9.731 ng
RT: 7.825 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
Client Sample Id :
SSTDICC010

Tgt Ion:146 Resp: 102729
Ion Ratio Lower Upper
146 100
148 63.3 51.6 77.4
111 40.8 33.4 50.0

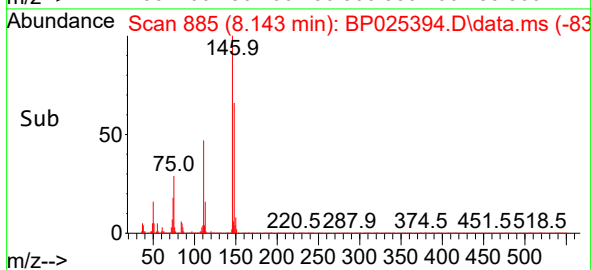
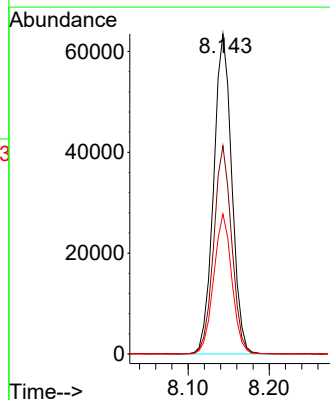
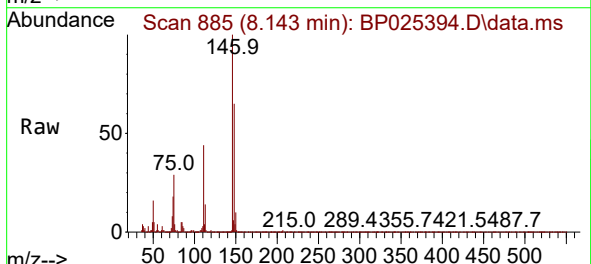
Manual Integrations
APPROVED

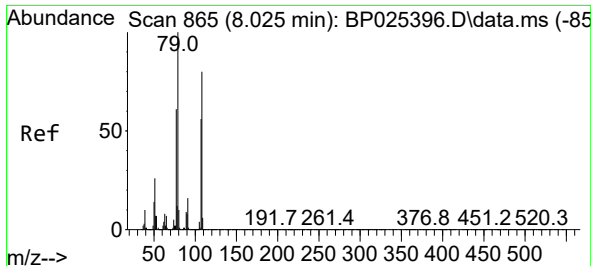
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#14
1,2-Dichlorobenzene
Concen: 9.647 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

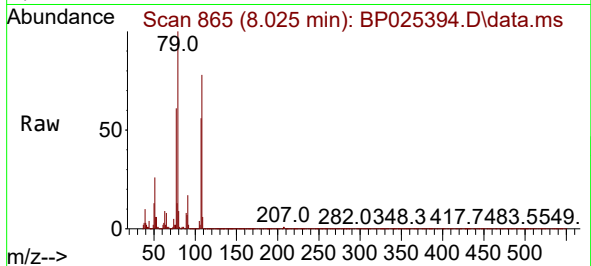
Tgt Ion:146 Resp: 98589
Ion Ratio Lower Upper
146 100
148 65.1 50.4 75.6
111 43.7 34.5 51.7





#15
Benzyl Alcohol
Concen: 9.273 ng
RT: 8.025 min Scan# 865
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

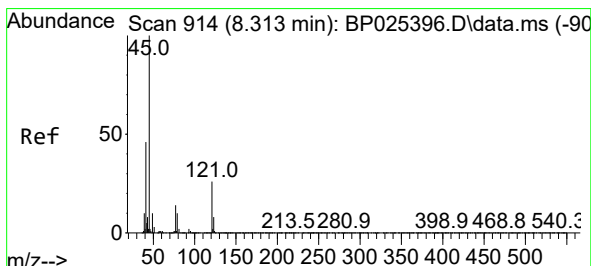
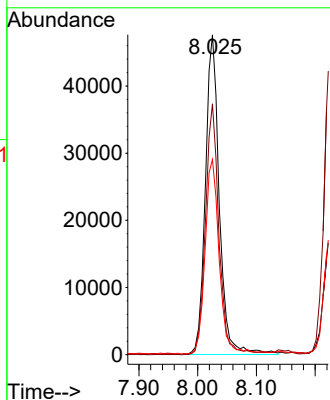
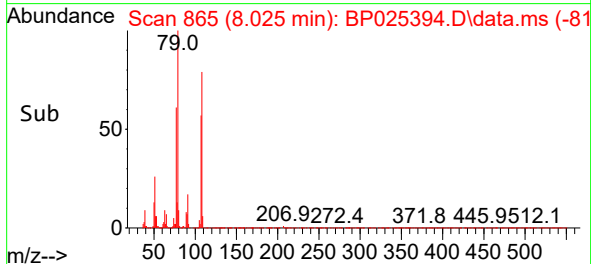
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



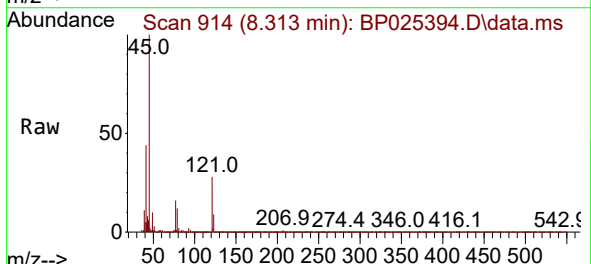
Tgt Ion: 79 Resp: 7841
Ion Ratio Lower Upper
79 100
108 78.4 63.8 95.6
77 61.0 49.0 73.4

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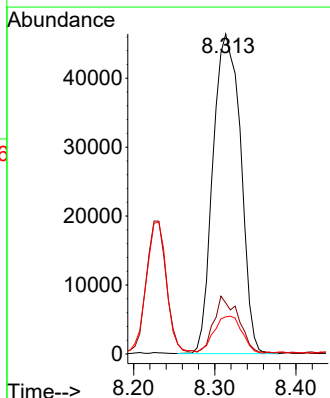
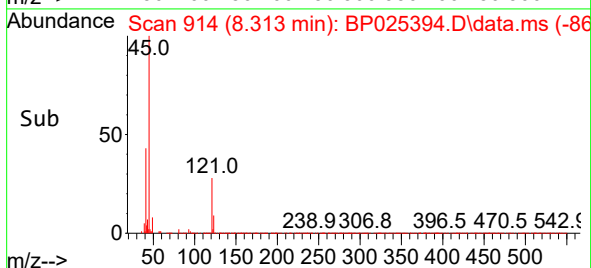
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

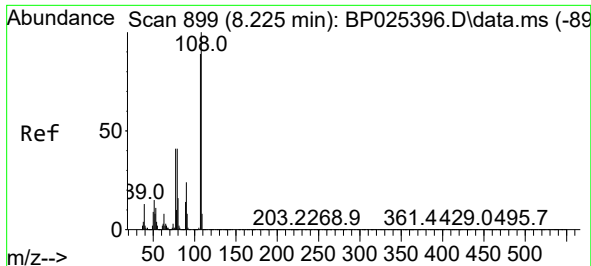


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.412 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion: 45 Resp: 109744
Ion Ratio Lower Upper
45 100
77 15.9 0.0 35.3
79 11.6 0.0 31.8





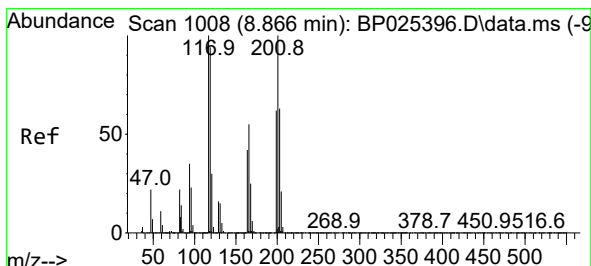
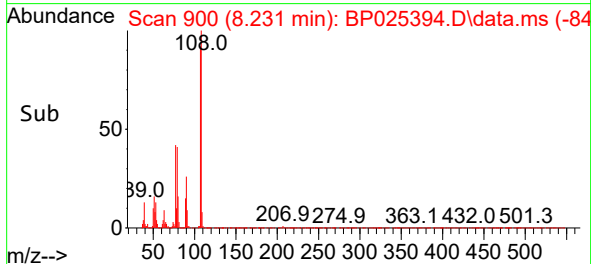
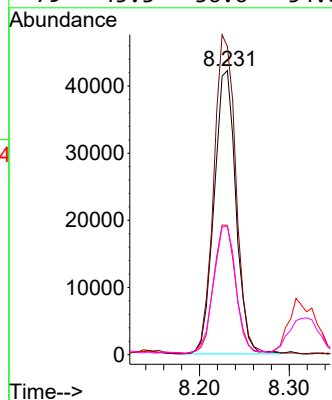
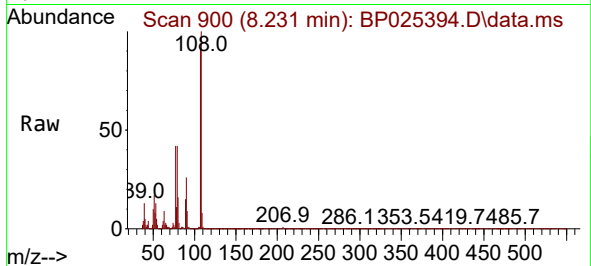
#17
2-Methylphenol
Concen: 9.153 ng
RT: 8.231 min Scan# 900
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
Client Sample Id :
SSTDICC010

Tgt Ion:	107	Resp:	7099
Ion Ratio	Lower	Upper	
107	100		
108	108.4	89.4	134.0
77	45.5	36.3	54.5
79	45.3	36.6	54.8

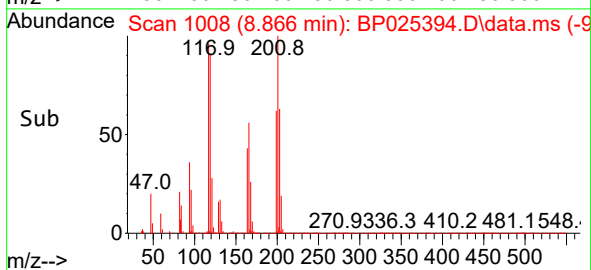
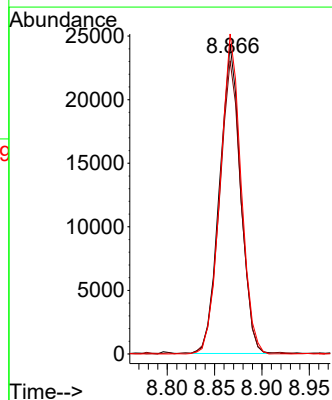
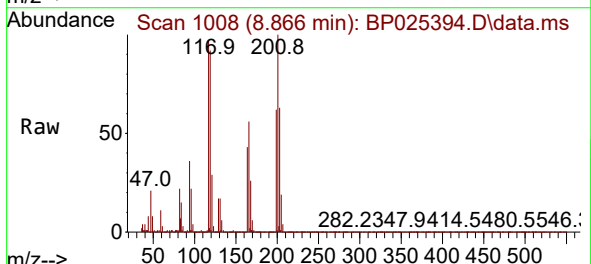
Manual Integrations APPROVED

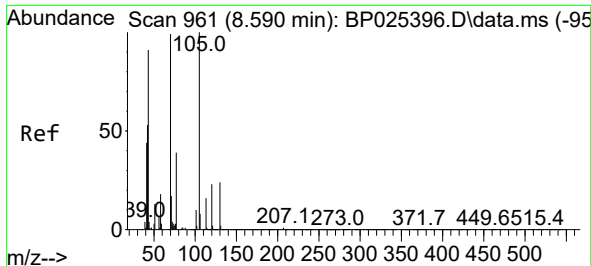
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#18
Hexachloroethane
Concen: 9.654 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

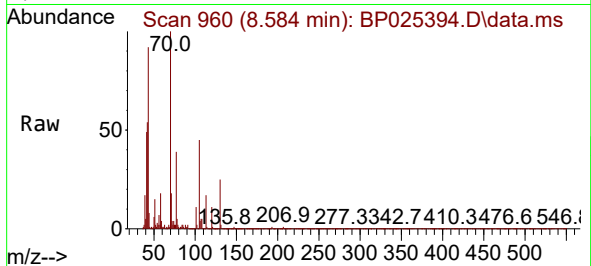
Tgt Ion:	117	Resp:	37473
Ion Ratio	Lower	Upper	
117	100		
119	94.8	75.1	112.7
201	103.5	80.1	120.1





#19
n-Nitroso-di-n-propylamine
Concen: 9.366 ng
RT: 8.584 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

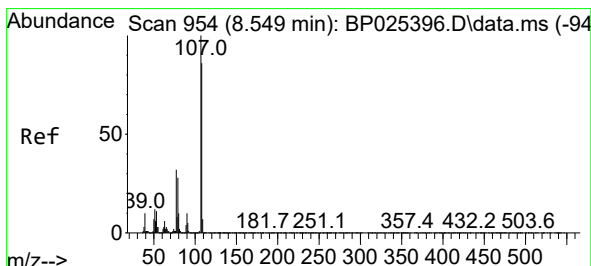
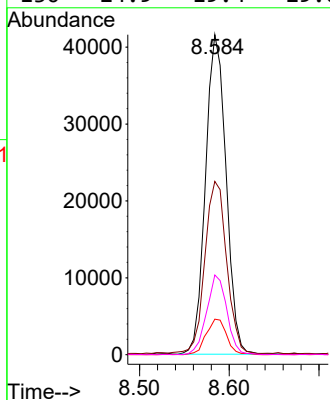
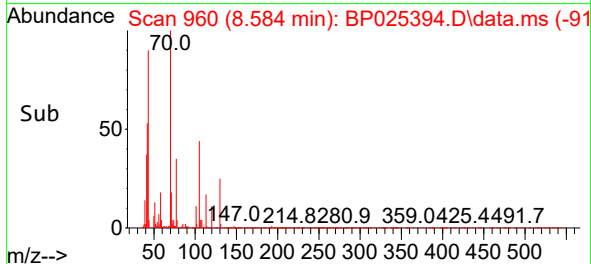
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



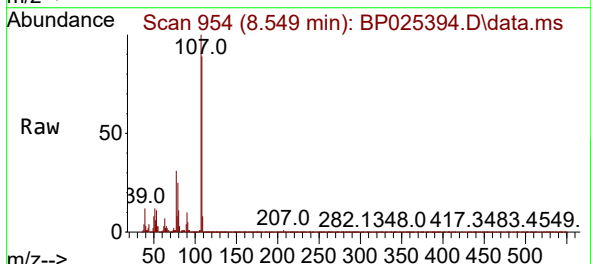
Tgt Ion:	70	Resp:	6610
Ion Ratio	Lower	Upper	
70	100		
42	54.2	43.8	65.6
101	11.1	8.5	12.7
130	24.9	19.4	29.0

Manual Integrations
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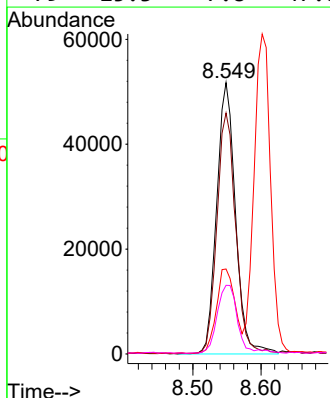
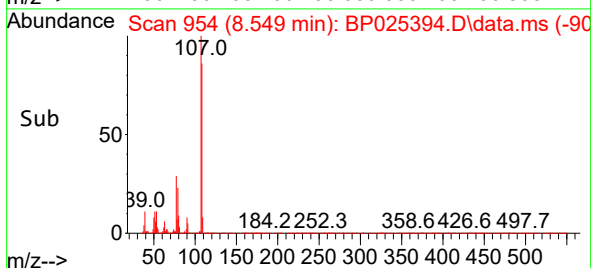
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

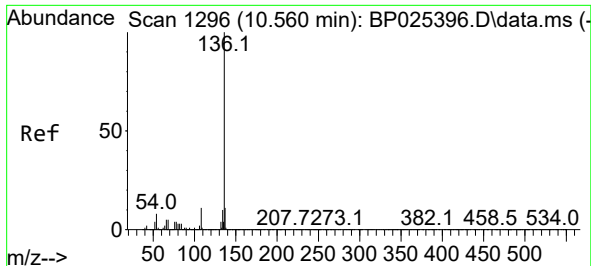


#20
3+4-Methylphenols
Concen: 9.244 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



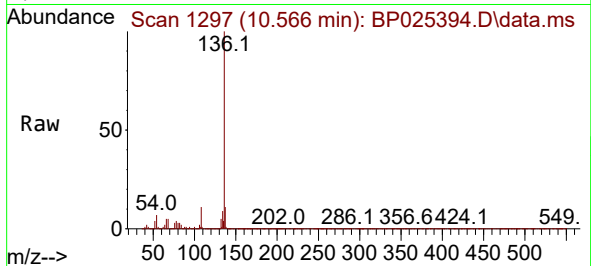
Tgt Ion:	107	Resp:	99382
Ion Ratio	Lower	Upper	
107	100		
108	88.8	66.3	106.3
77	31.3	12.3	52.3
79	25.3	7.8	47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

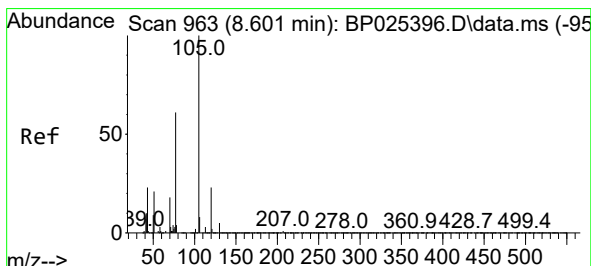
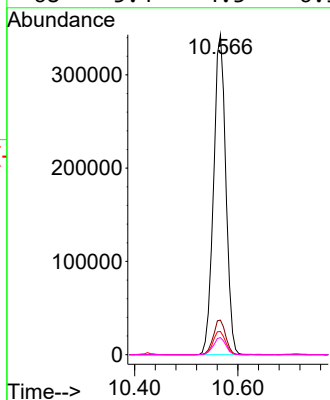
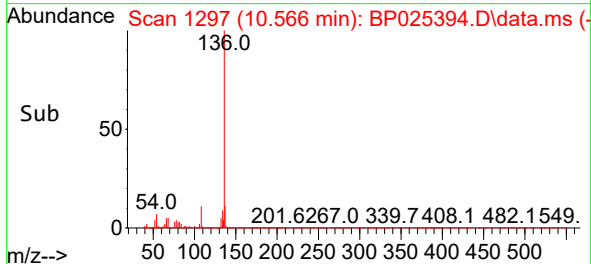
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:	136	Resp:	56399
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.2	13.8
54	7.3	6.0	9.0
68	5.4	4.3	6.5

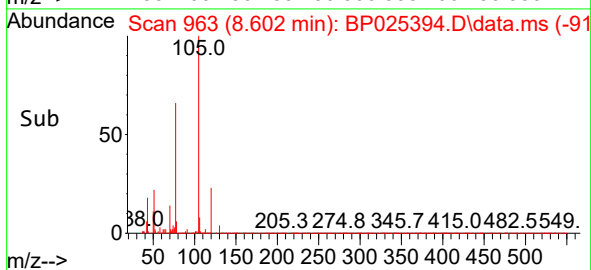
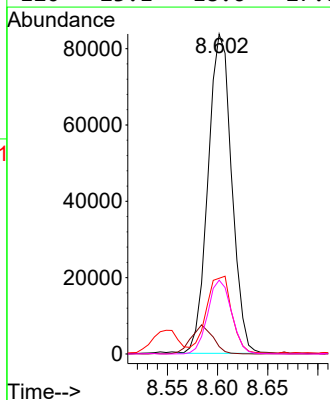
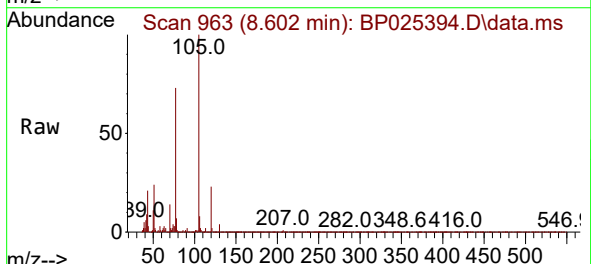
Manual Integrations
APPROVED

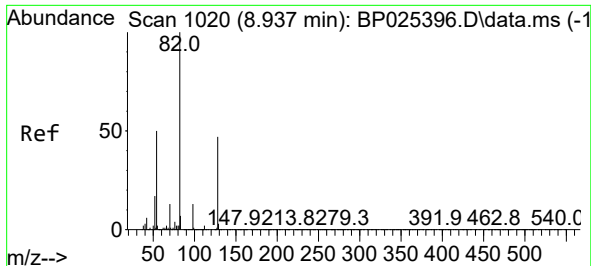
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#22
Acetophenone
Concen: 9.712 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	105	Resp:	137361
Ion Ratio	Lower	Upper	
105	100		
71	2.3	2.6	4.0#
51	23.7	20.6	30.8
120	23.1	18.6	27.8





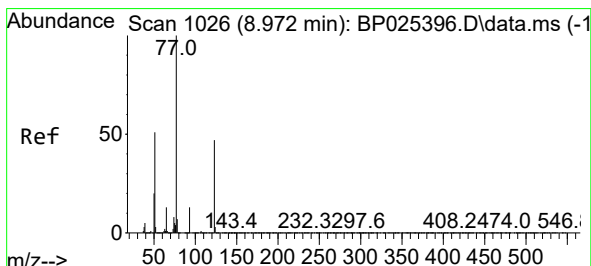
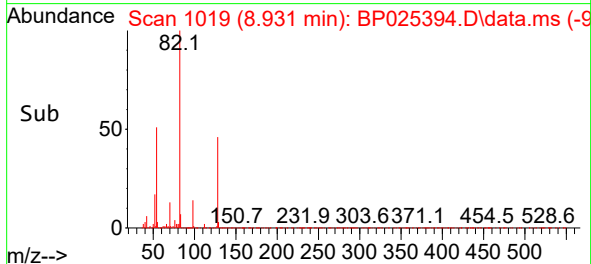
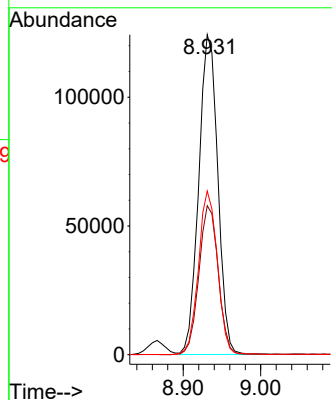
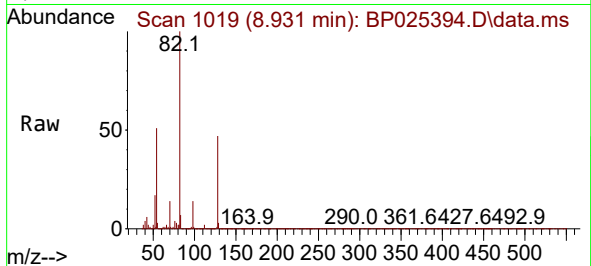
#23
Nitrobenzene-d5
Concen: 19.036 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 212230
Ion Ratio Lower Upper
82 100
128 46.6 37.7 56.5
54 51.2 39.8 59.6

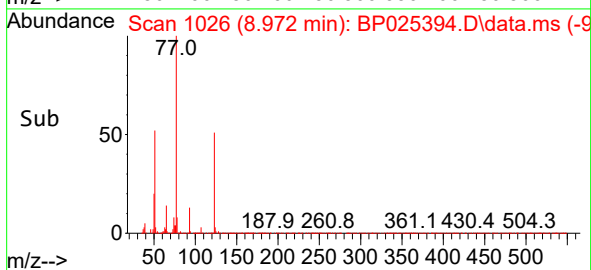
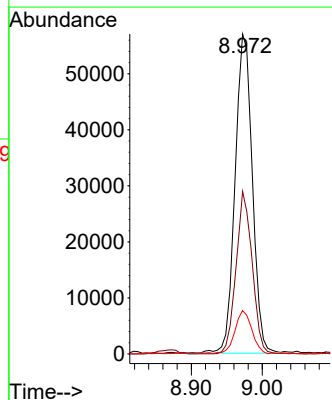
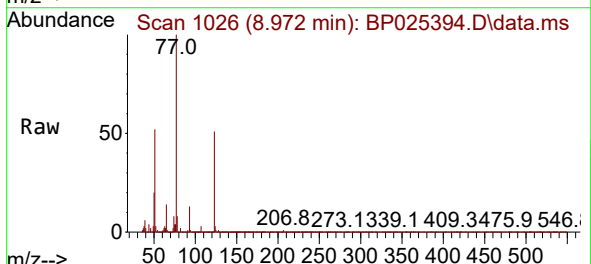
Manual Integrations
APPROVED

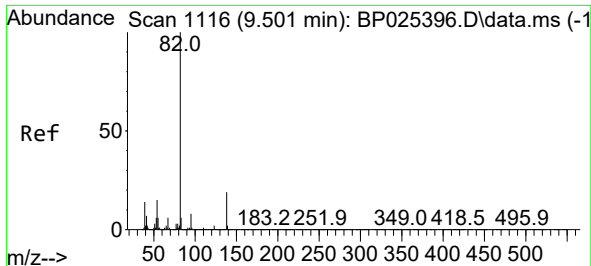
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#24
Nitrobenzene
Concen: 9.685 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

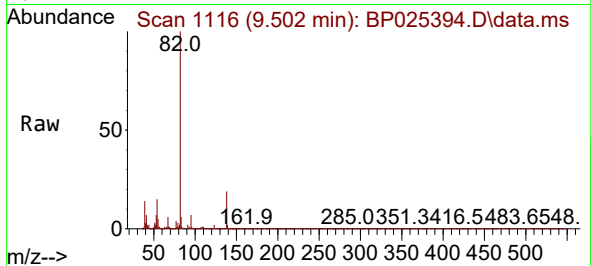
Tgt Ion: 77 Resp: 96502
Ion Ratio Lower Upper
77 100
123 50.8 38.6 58.0
65 13.6 10.6 15.8





#25
Isophorone
Concen: 9.604 ng
RT: 9.502 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

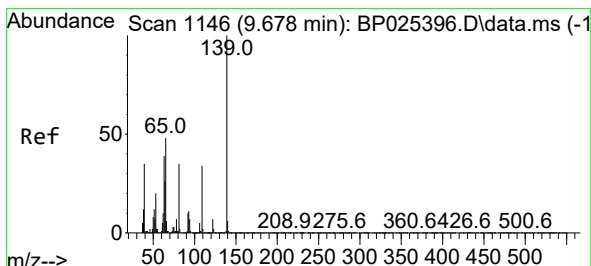
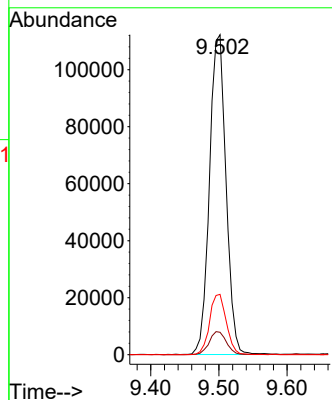
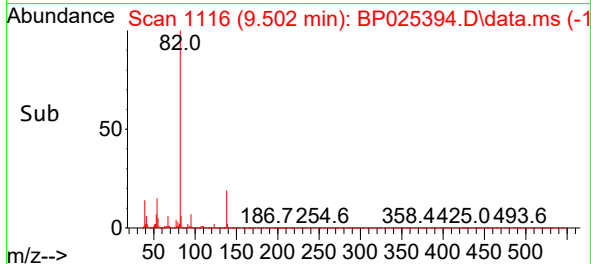
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



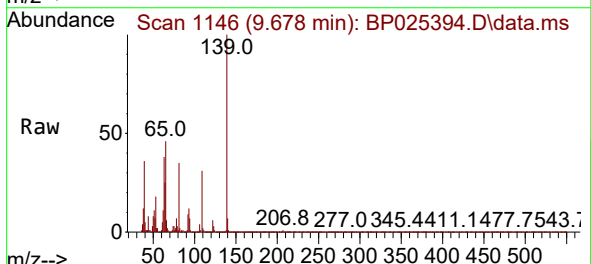
Tgt Ion: 82 Resp: 189510
Ion Ratio Lower Upper
82 100
95 7.0 6.4 9.6
138 18.8 15.4 23.0

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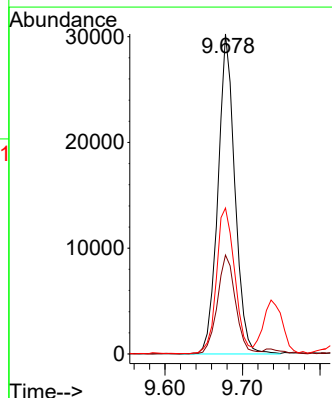
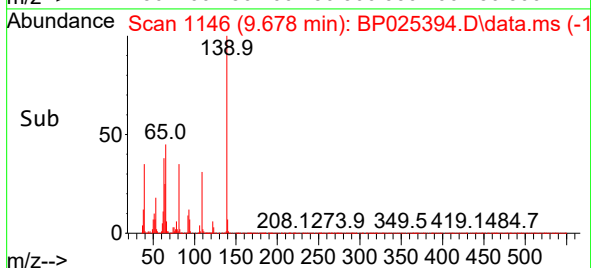
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

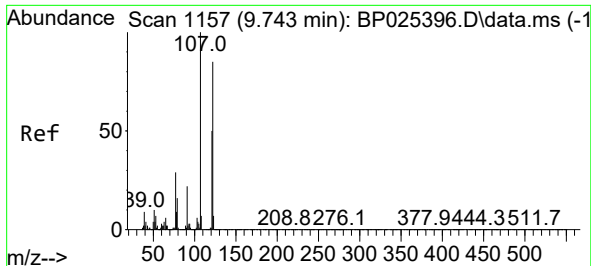


#26
2-Nitrophenol
Concen: 8.968 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:139 Resp: 45860
Ion Ratio Lower Upper
139 100
109 30.9 26.9 40.3
65 45.6 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 9.718 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

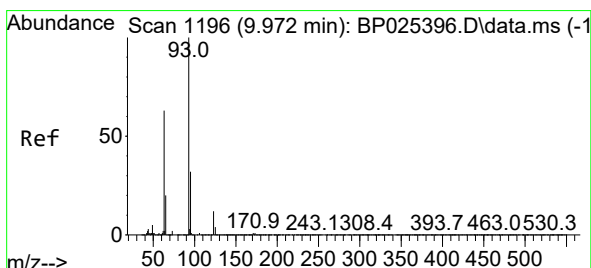
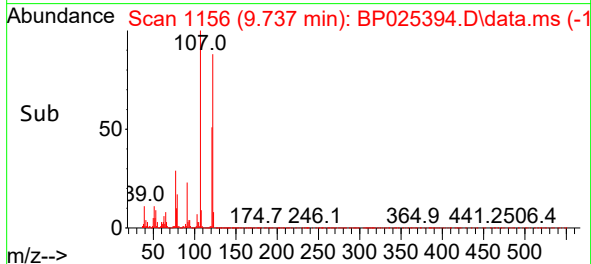
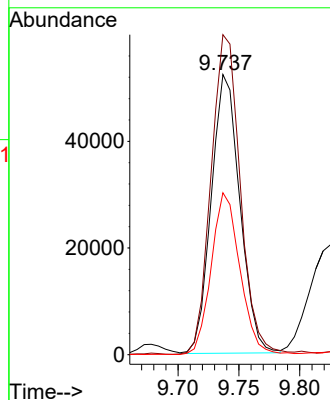
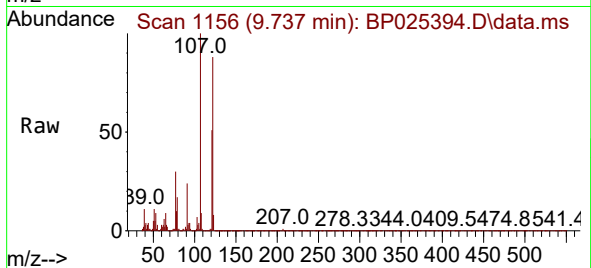
Tgt Ion:	122	Resp:	8546
Ion Ratio	Lower	Upper	
122	100		
107	114.2	93.7	140.5
121	57.8	46.6	69.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 9.611 ng

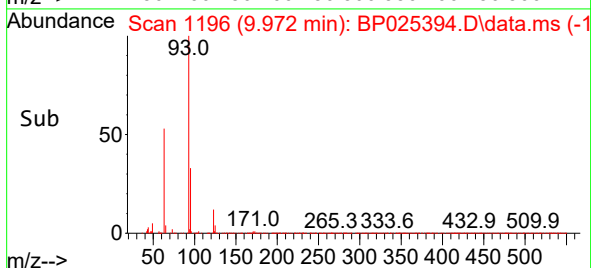
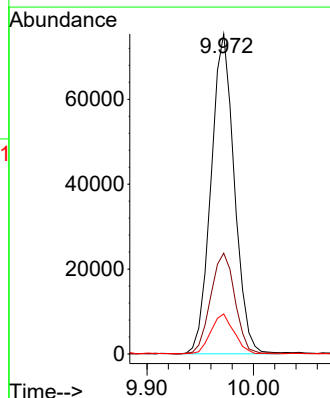
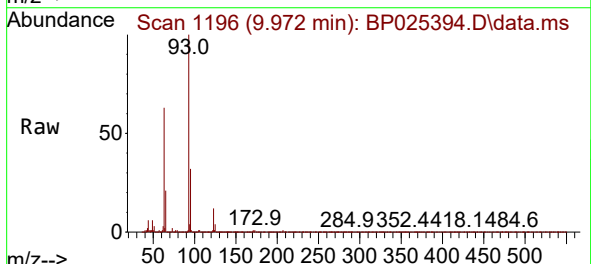
RT: 9.972 min Scan# 1196

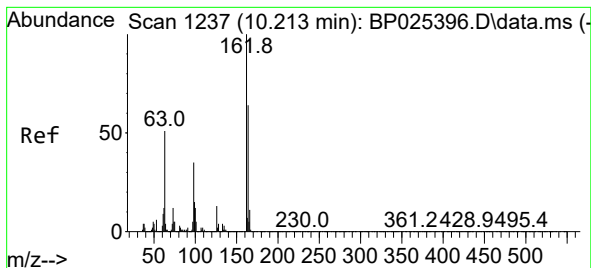
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

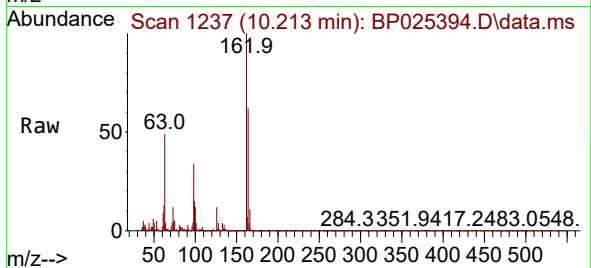
Tgt Ion:	93	Resp:	114635
Ion Ratio	Lower	Upper	
93	100		
95	31.5	25.4	38.0
123	12.5	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 9.464 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

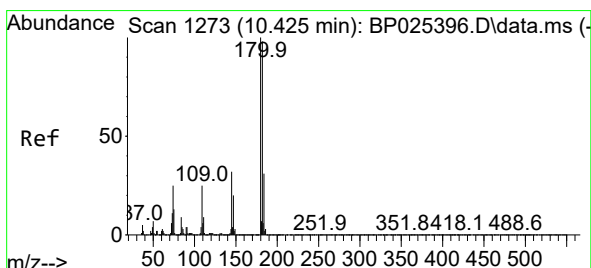
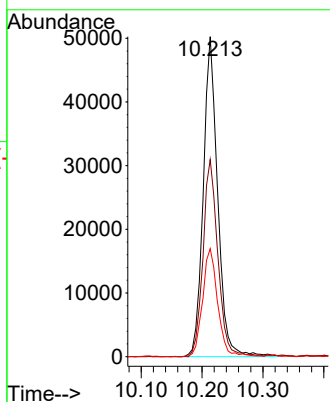
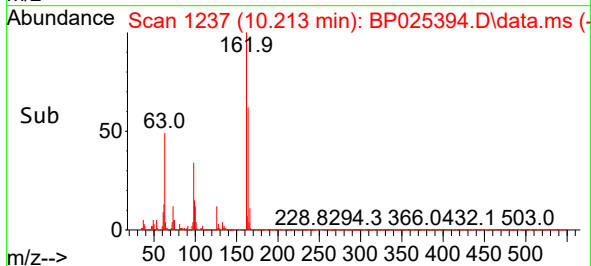
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



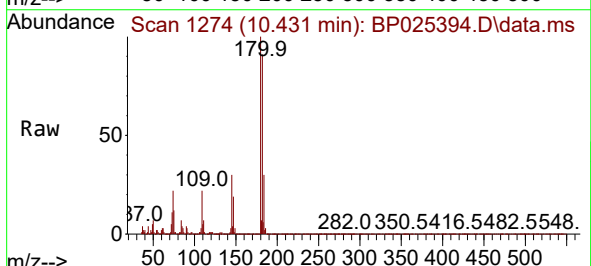
Tgt Ion:162 Resp: 82670
Ion Ratio Lower Upper
162 100
164 61.6 44.4 84.4
98 33.8 14.9 54.9

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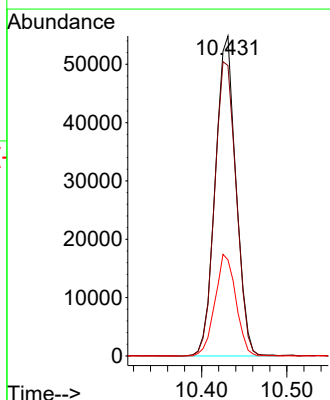
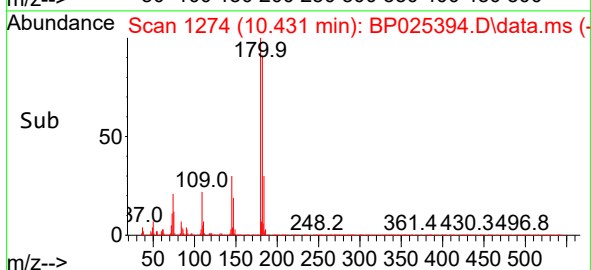
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

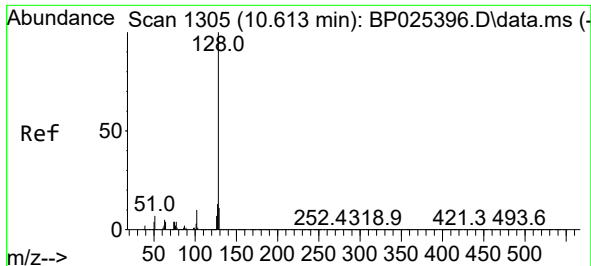


#30
1,2,4-Trichlorobenzene
Concen: 9.676 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



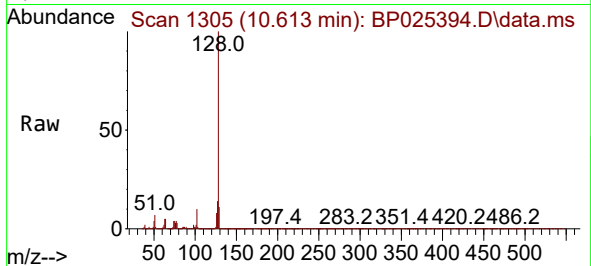
Tgt Ion:180 Resp: 92664
Ion Ratio Lower Upper
180 100
182 90.7 78.0 117.0
145 30.1 25.9 38.9





#31
Naphthalene
Concen: 9.816 ng
RT: 10.613 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

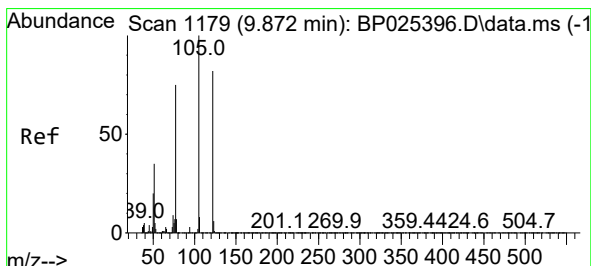
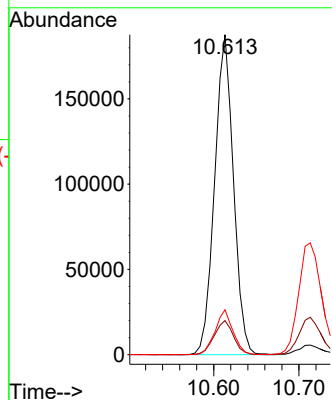
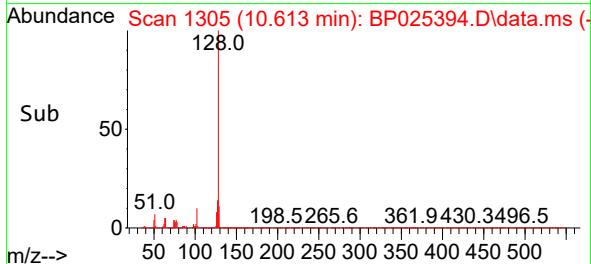
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:128 Resp: 287754
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 14.0 10.7 16.1

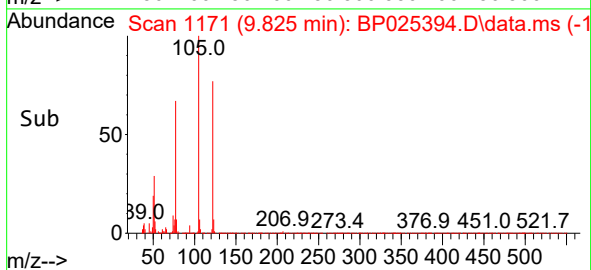
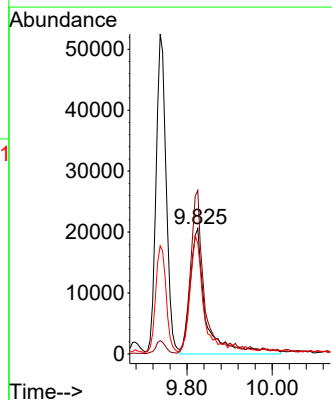
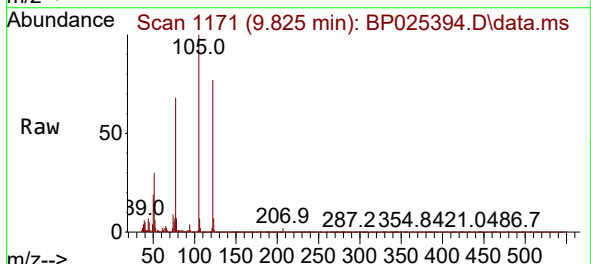
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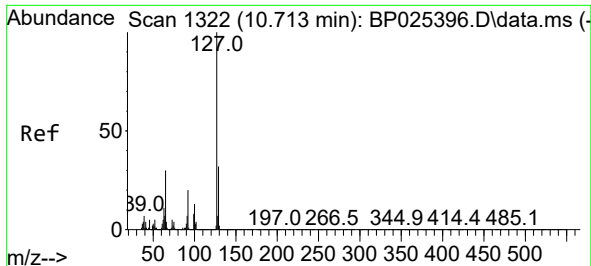
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#32
Benzoic acid
Concen: 8.188 ng m
RT: 9.825 min Scan# 1171
Delta R.T. -0.047 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

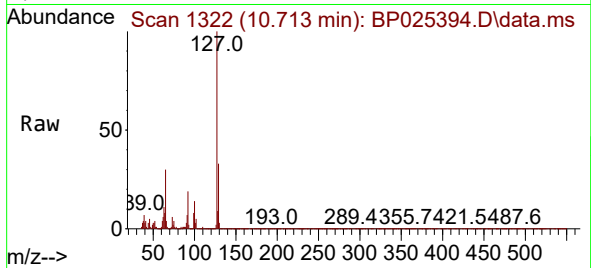
Tgt Ion:122 Resp: 53034
Ion Ratio Lower Upper
122 100
105 130.4 100.6 140.6
77 88.0 71.5 111.5





#33
4-Chloroaniline
Concen: 9.472 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

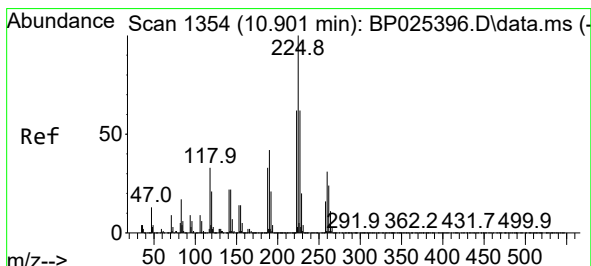
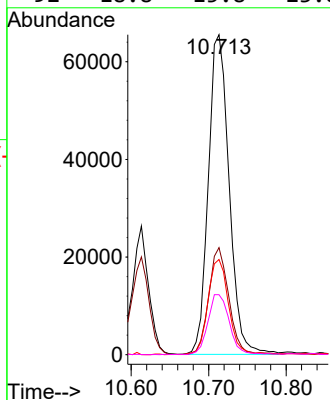
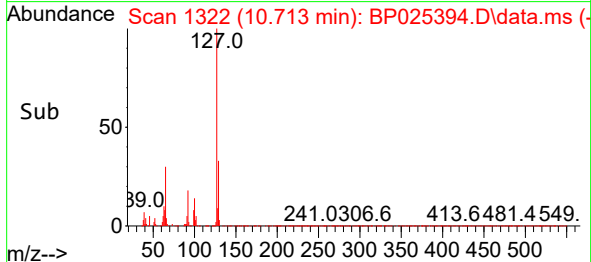
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



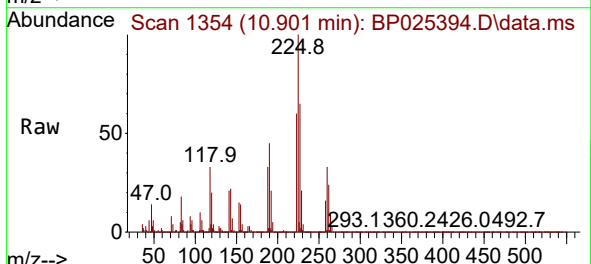
Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.4	38.2
65	29.7	23.8	35.6
92	18.8	15.8	23.8

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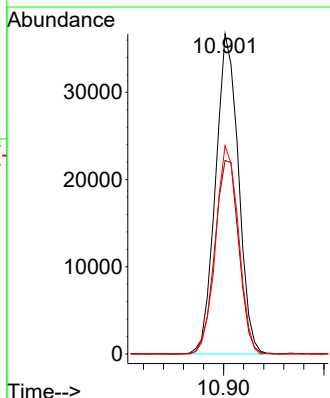
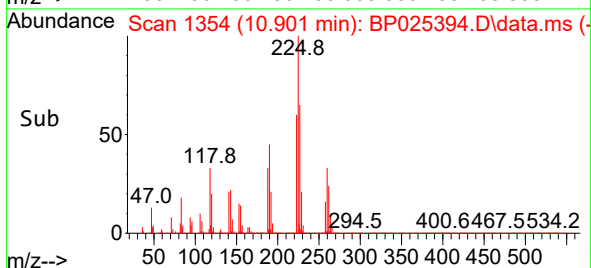
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

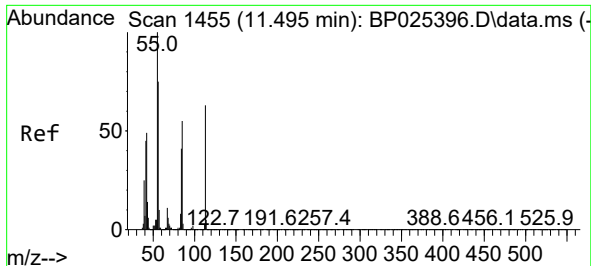


#34
Hexachlorobutadiene
Concen: 9.695 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



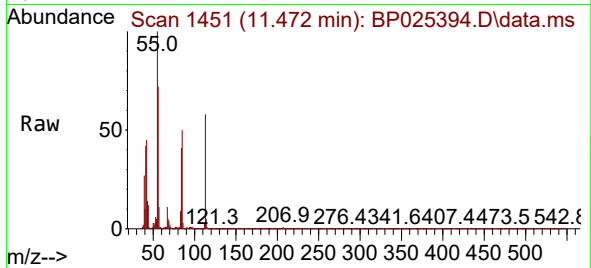
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.0	75.0
227	65.1	49.7	74.5





#35
Caprolactam
Concen: 10.001 ng
RT: 11.472 min Scan# 1455
Delta R.T. -0.023 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

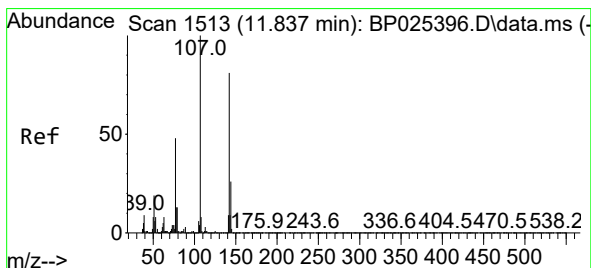
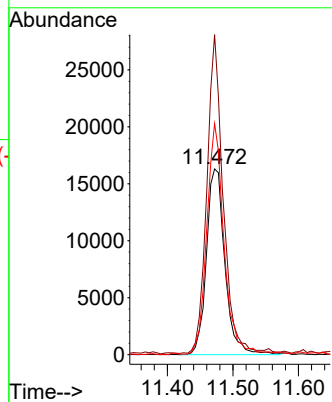
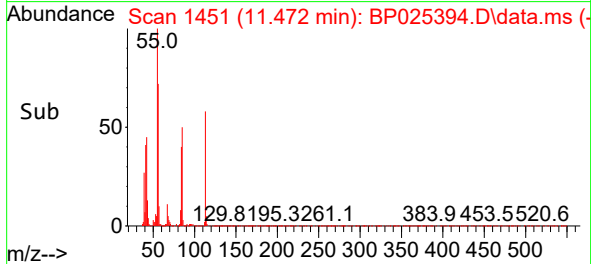
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



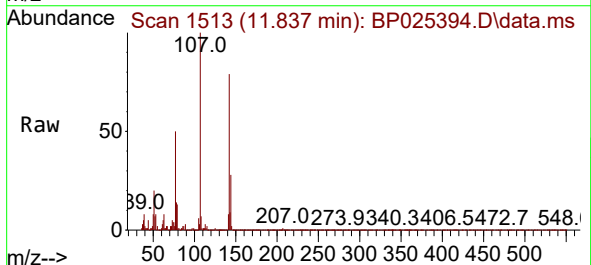
Tgt Ion:113 Resp: 32038
Ion Ratio Lower Upper
113 100
55 172.3 140.0 180.0
56 124.4 100.0 140.0

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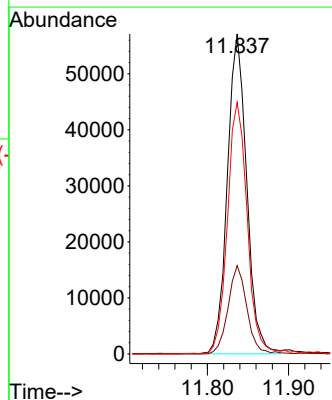
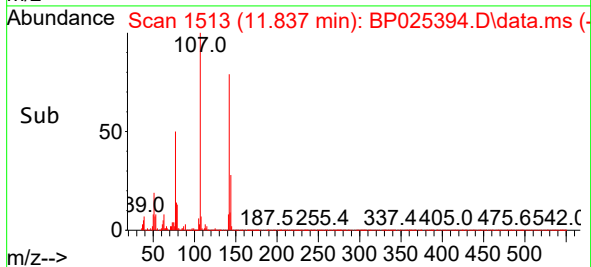
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

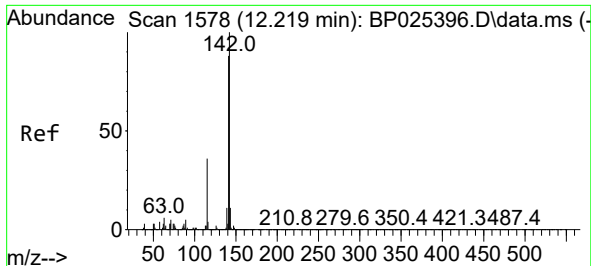


#36
4-Chloro-3-methylphenol
Concen: 9.431 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



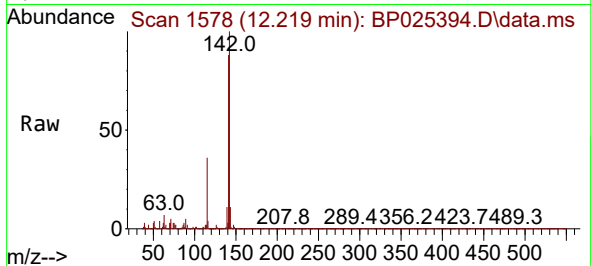
Tgt Ion:107 Resp: 94538
Ion Ratio Lower Upper
107 100
144 27.6 21.0 31.4
142 78.6 64.6 97.0





#37
2-Methylnaphthalene
Concen: 9.654 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

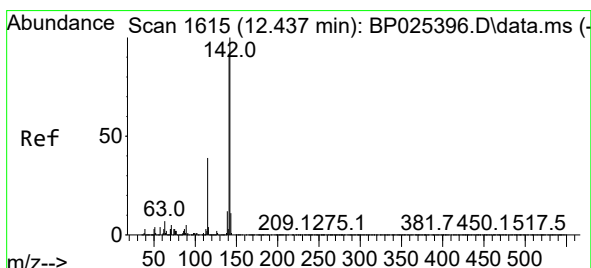
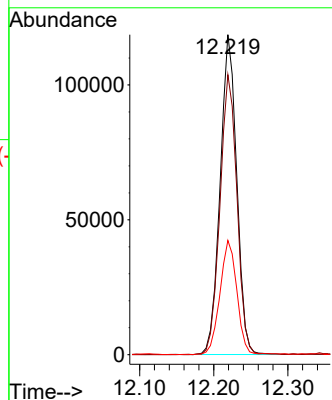
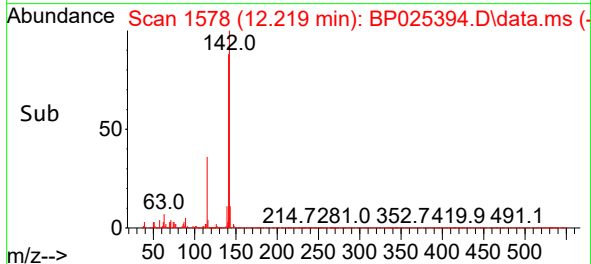
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



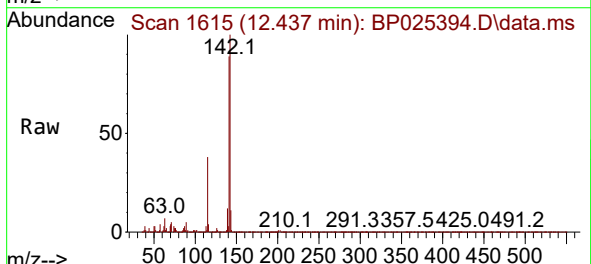
Tgt Ion:142 Resp: 184172
Ion Ratio Lower Upper
142 100
141 87.5 70.3 105.5
115 35.7 28.9 43.3

Manual Integrations
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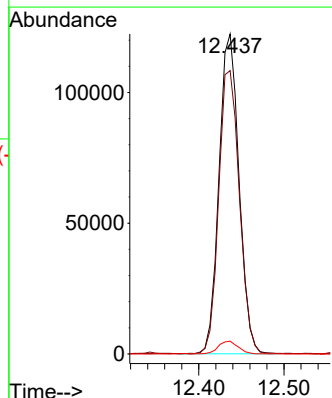
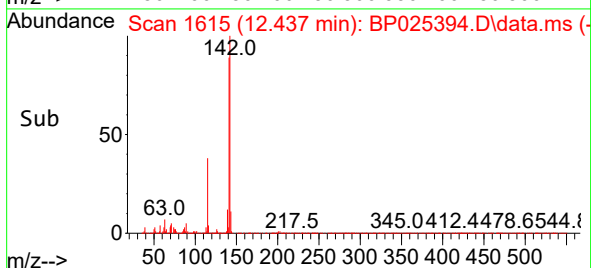
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

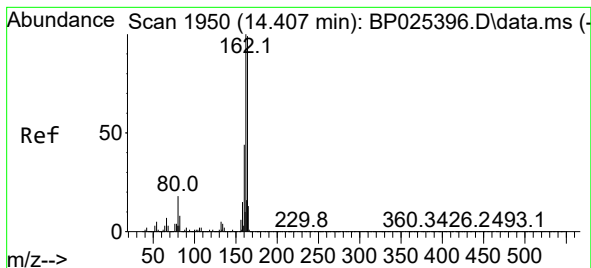


#38
1-Methylnaphthalene
Concen: 9.817 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



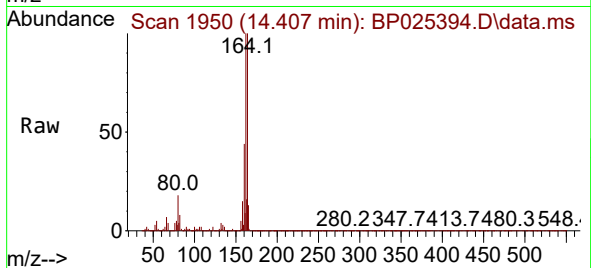
Tgt Ion:142 Resp: 199160
Ion Ratio Lower Upper
142 100
141 88.6 73.1 109.7
116 4.0 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

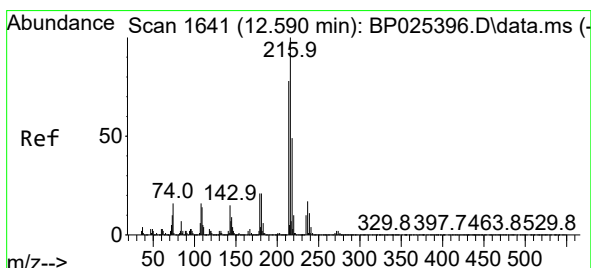
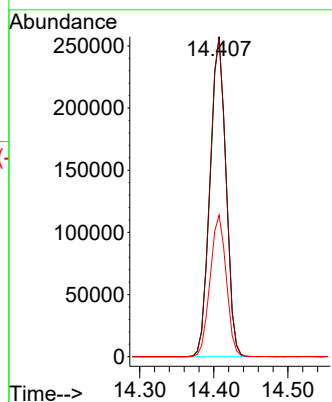
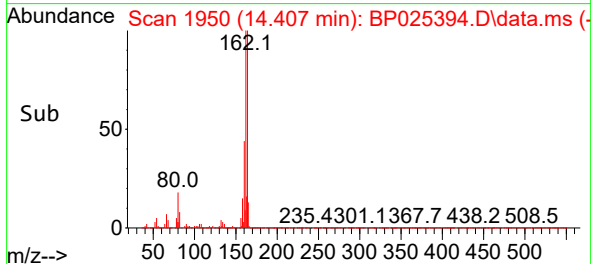
Instrument :
BNA_P
Client Sample Id :
SSTDICC010



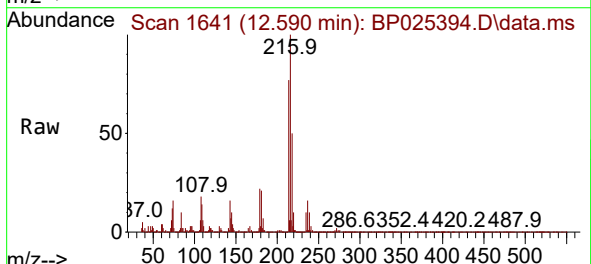
Tgt Ion:164 Resp: 383199
Ion Ratio Lower Upper
164 100
162 99.7 81.0 121.6
160 44.2 35.4 53.2

Manual Integrations
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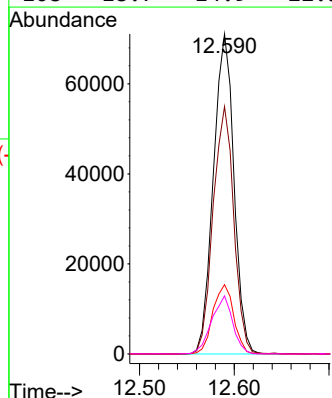
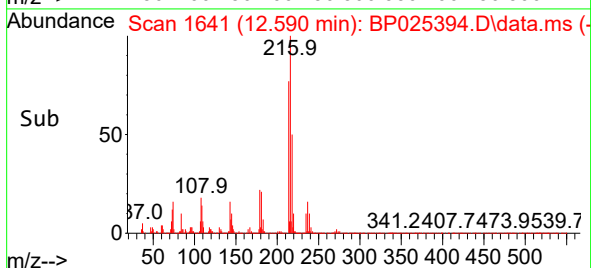
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

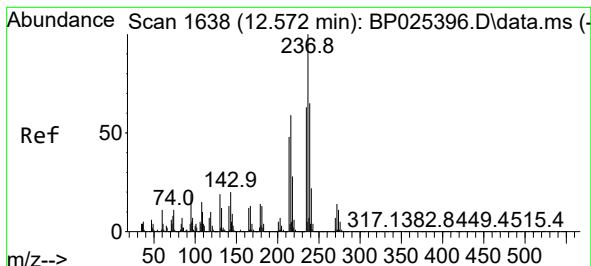


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.678 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



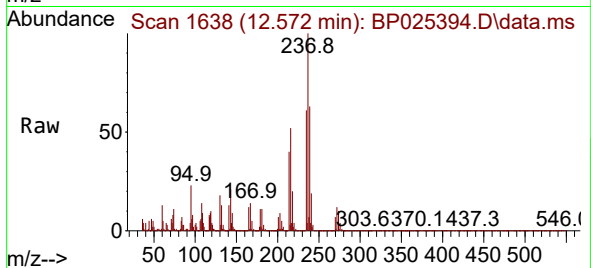
Tgt Ion:216 Resp: 107104
Ion Ratio Lower Upper
216 100
214 77.8 63.0 94.4
179 22.0 17.1 25.7
108 18.7 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 7.867 ng
RT: 12.572 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

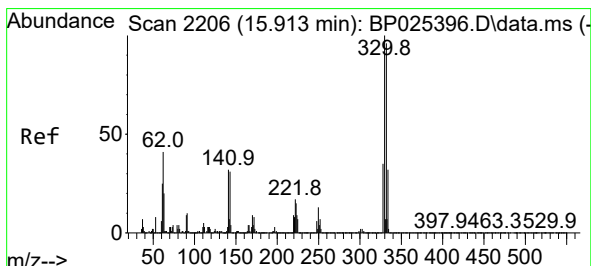
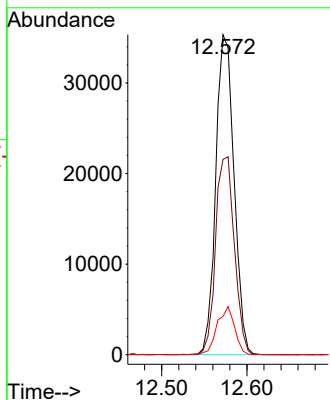
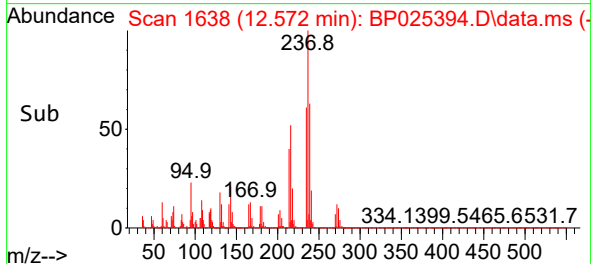
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



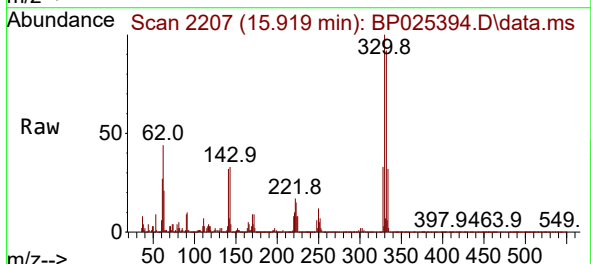
Tgt Ion: 237 Resp: 5258
Ion Ratio Lower Upper
237 100
235 61.1 42.7 82.7
272 12.0 0.0 34.0

Manual Integrations
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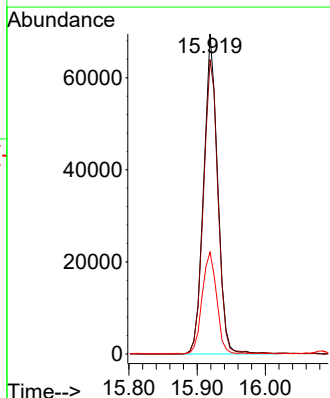
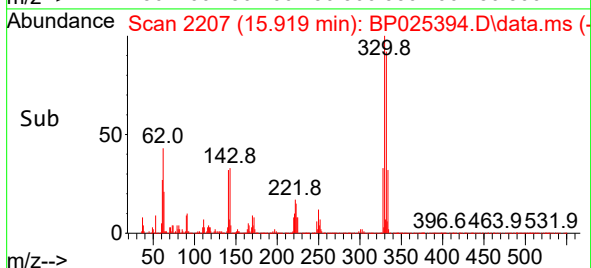
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

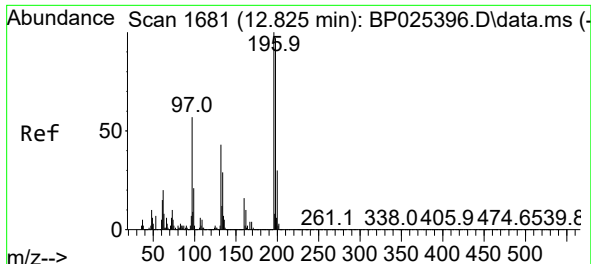


#42
2,4,6-Tribromophenol
Concen: 19.210 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion: 330 Resp: 99083
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 33.1 26.6 39.8





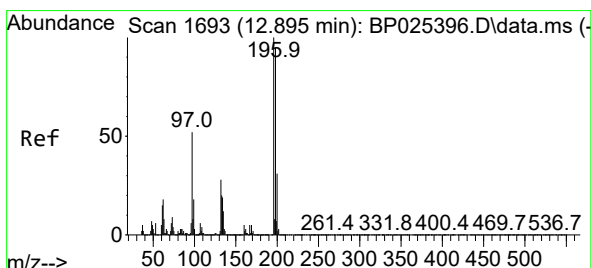
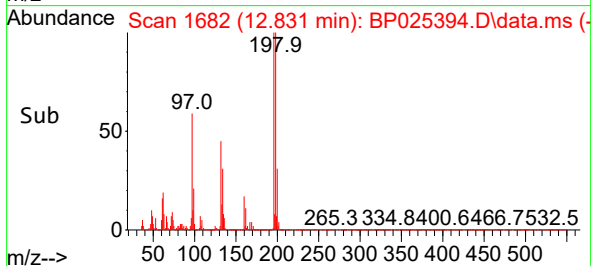
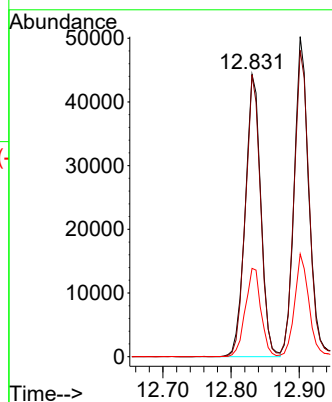
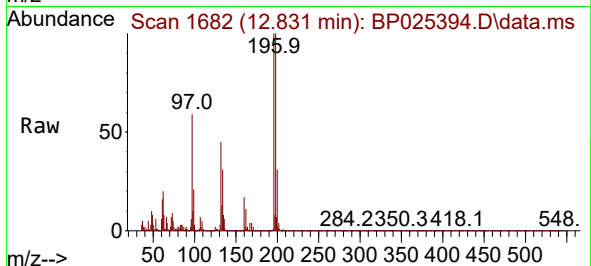
#43
2,4,6-Trichlorophenol
Concen: 9.339 ng
RT: 12.831 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 69780
Ion Ratio Lower Upper
196 100
198 99.9 77.2 115.8
200 31.3 23.9 35.9

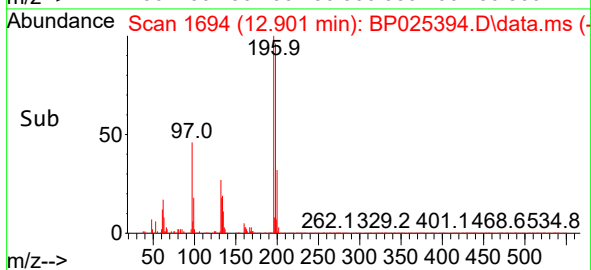
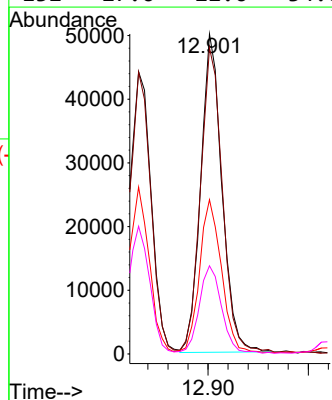
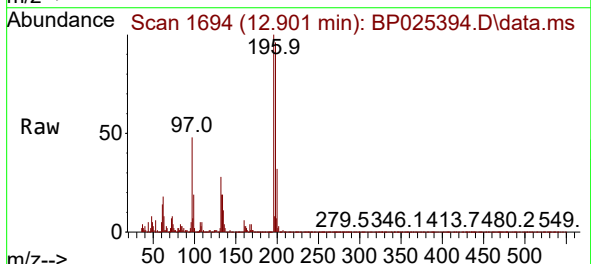
Manual Integrations
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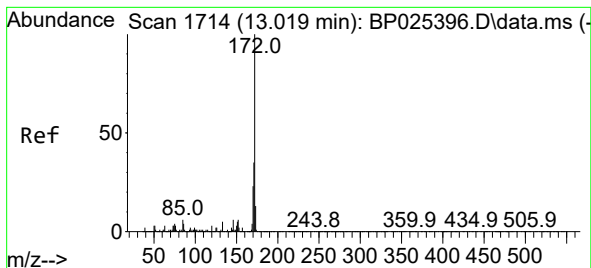
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#44
2,4,5-Trichlorophenol
Concen: 9.006 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:196 Resp: 73744
Ion Ratio Lower Upper
196 100
198 95.7 76.2 114.2
97 48.2 41.2 61.8
132 27.6 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 20.271 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

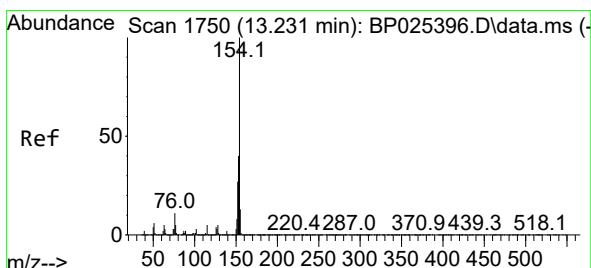
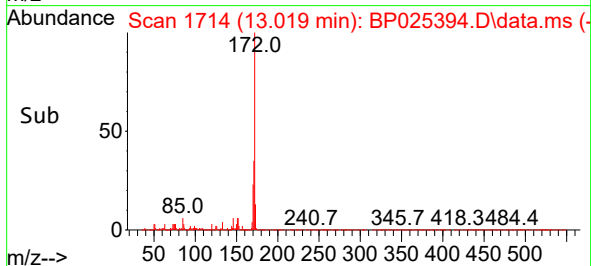
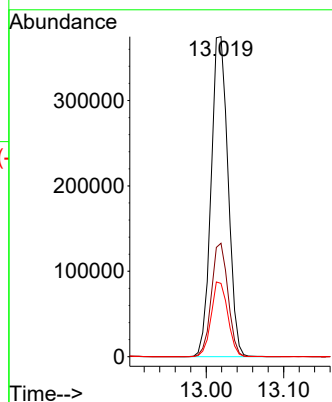
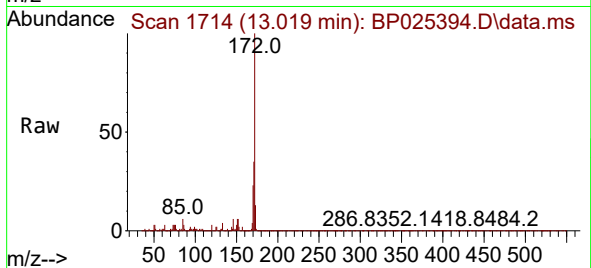
SSTDICC010

Tgt Ion:172 Resp: 568359
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 22.9 18.6 28.0

Manual Integrations
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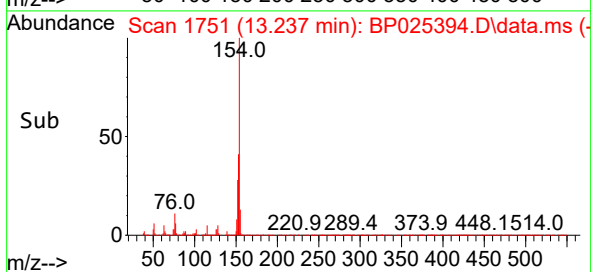
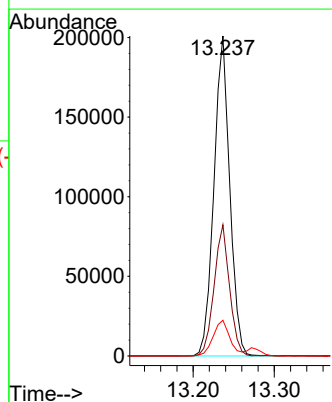
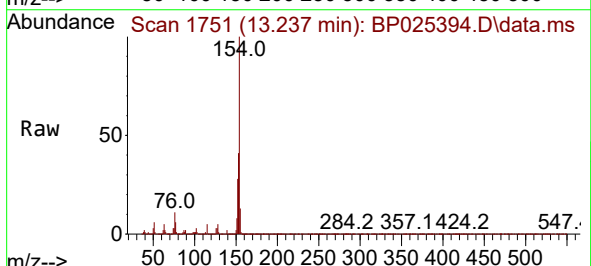
Reviewed By :Rahul Chavli 08/15/2025

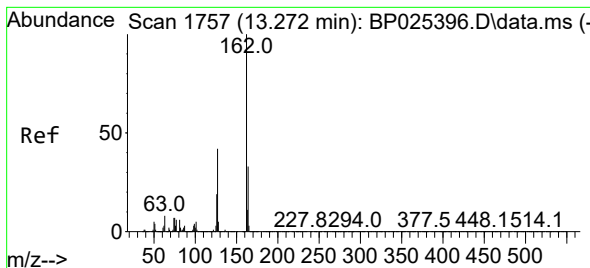
Supervised By :Jagrut Upadhyay 08/15/2025



#46
1,1'-Biphenyl
Concen: 9.763 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

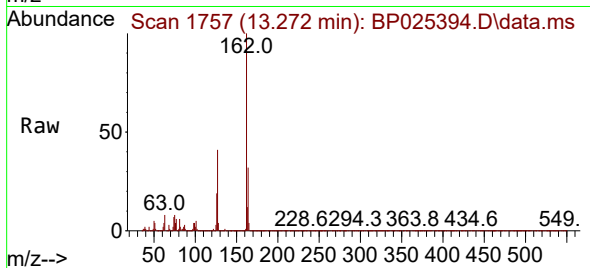
Tgt Ion:154 Resp: 271710
Ion Ratio Lower Upper
154 100
153 41.0 19.5 59.5
76 11.2 0.0 31.1





#47
2-Chloronaphthalene
Concen: 9.666 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

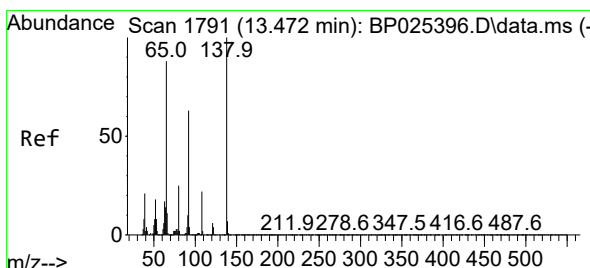
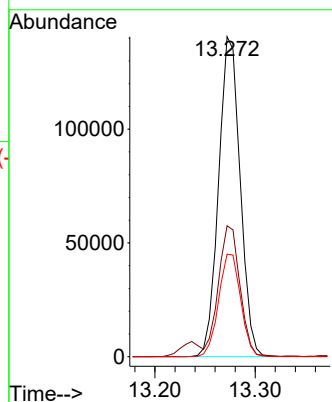
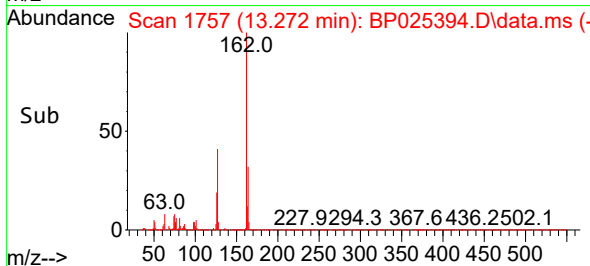
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



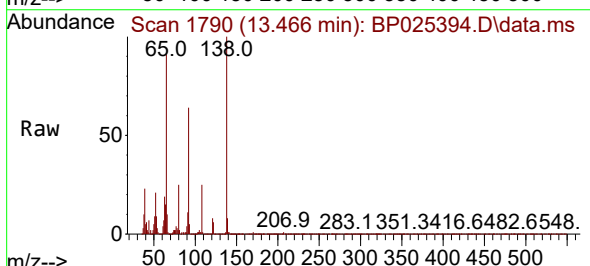
Tgt Ion: 162 Resp: 209419
Ion Ratio Lower Upper
162 100
127 40.9 33.4 50.2
164 32.0 26.2 39.2

Manual Integrations
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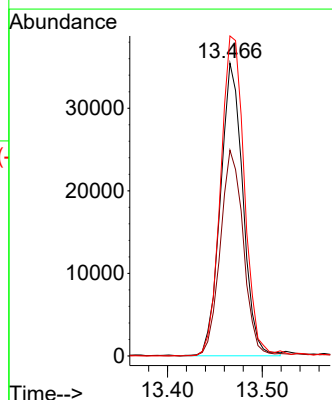
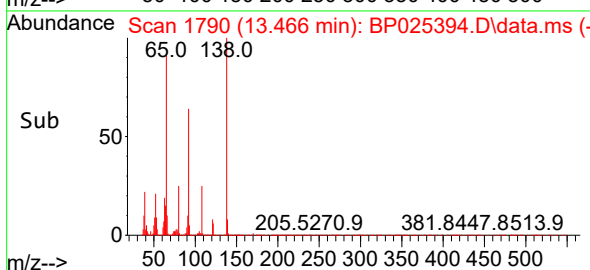
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

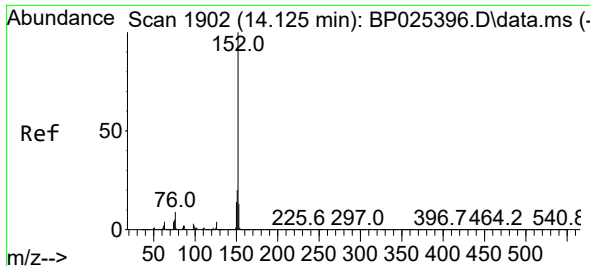


#48
2-Nitroaniline
Concen: 9.287 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



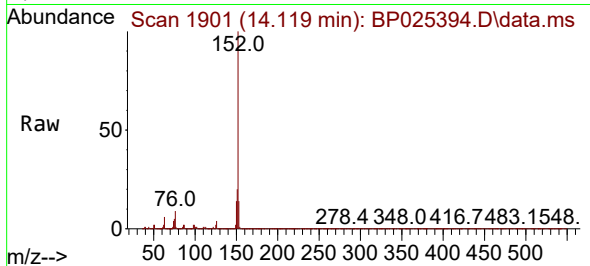
Tgt Ion: 65 Resp: 58630
Ion Ratio Lower Upper
65 100
92 70.3 57.6 86.4
138 109.3 91.0 136.6





#49
Acenaphthylene
Concen: 9.652 ng
RT: 14.119 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

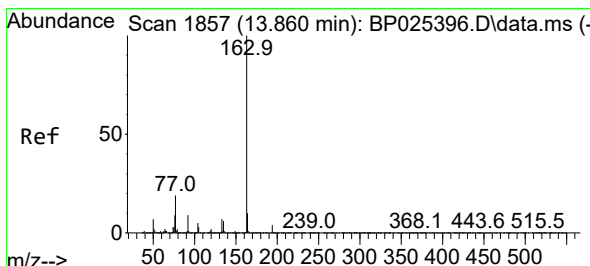
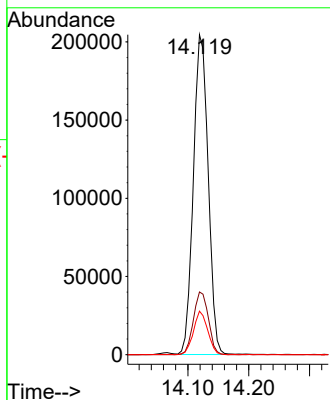
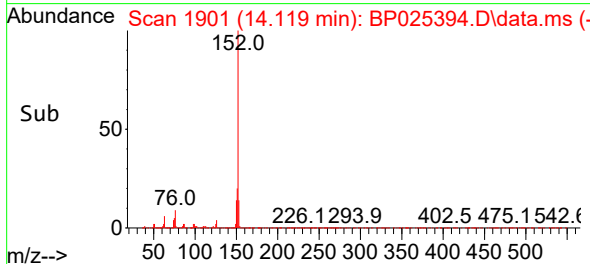
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



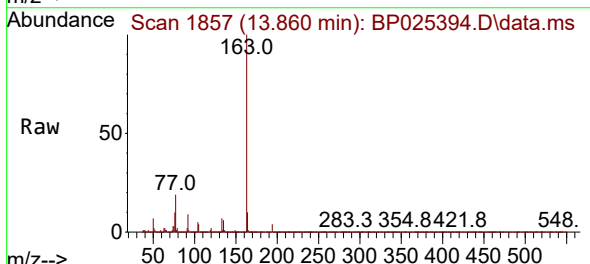
Tgt Ion:152 Resp: 34602
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 13.6 10.6 15.8

Manual Integrations
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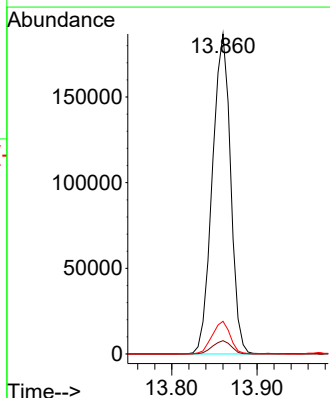
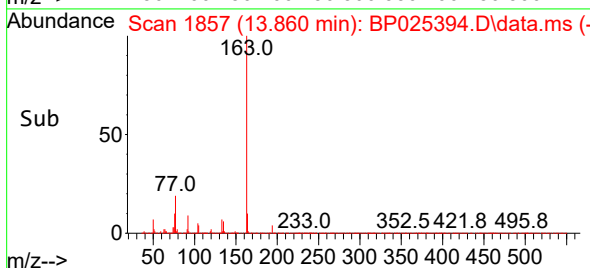
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

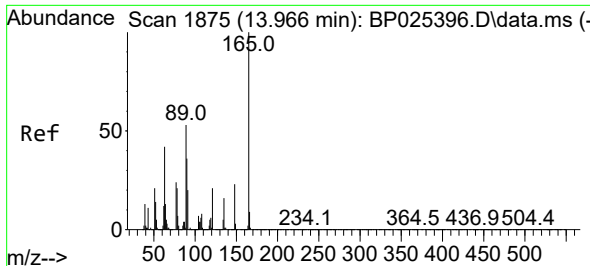


#50
Dimethylphthalate
Concen: 9.896 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:163 Resp: 277701
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.2 7.9 11.9





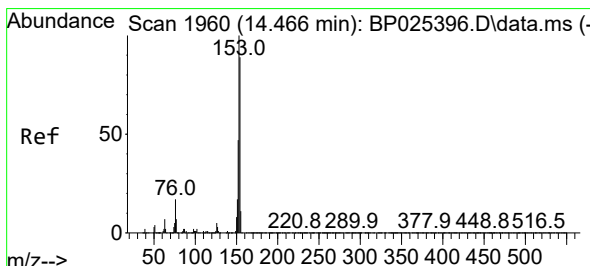
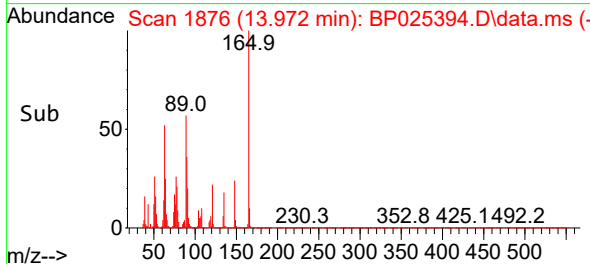
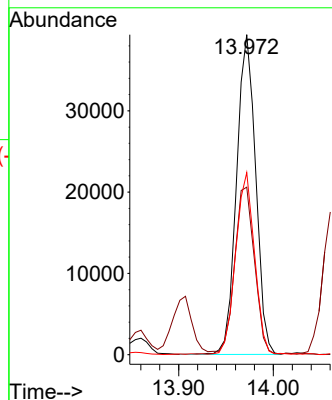
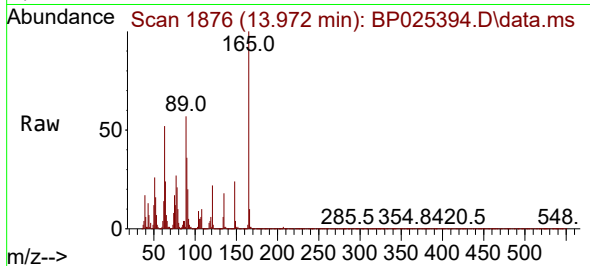
#51
2,6-Dinitrotoluene
Concen: 9.292 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 5495
Ion Ratio Lower Upper
165 100
63 52.3 40.9 61.3
89 56.9 42.1 63.1

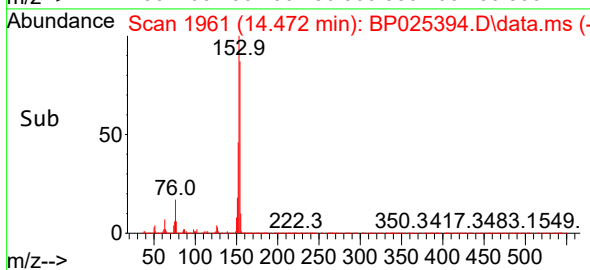
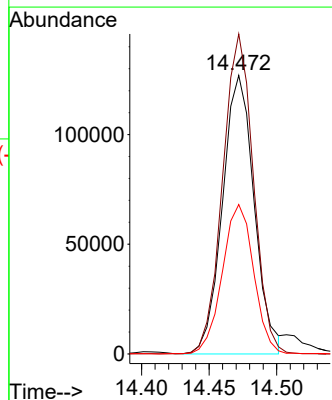
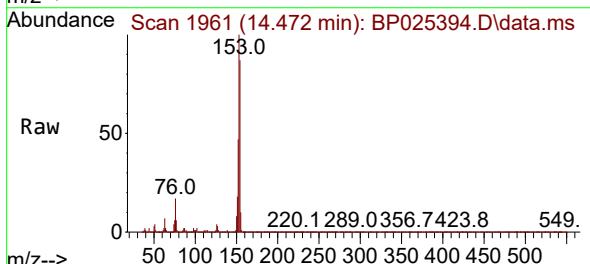
Manual Integrations
APPROVED

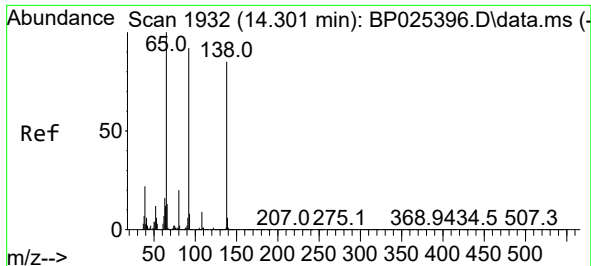
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#52
Acenaphthene
Concen: 9.848 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

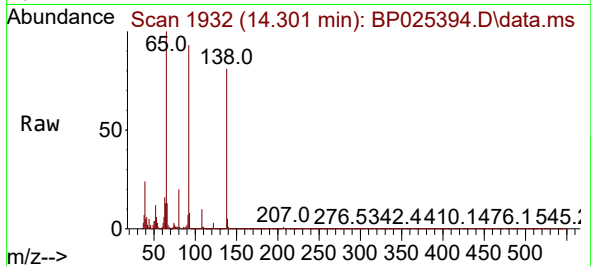
Tgt Ion:154 Resp: 207239
Ion Ratio Lower Upper
154 100
153 114.8 90.2 135.2
152 53.6 42.1 63.1





#53
3-Nitroaniline
Concen: 9.466 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

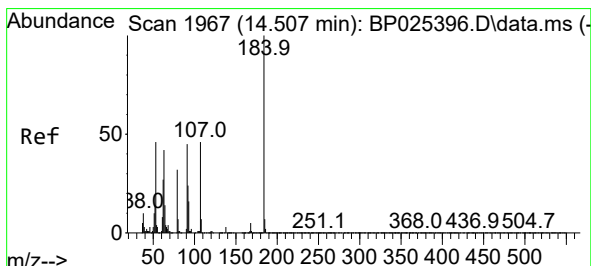
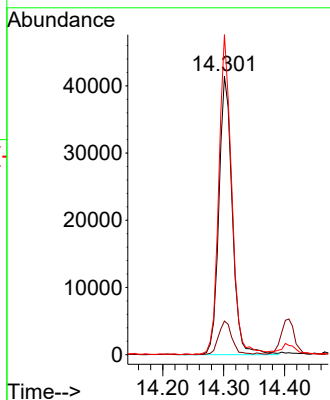
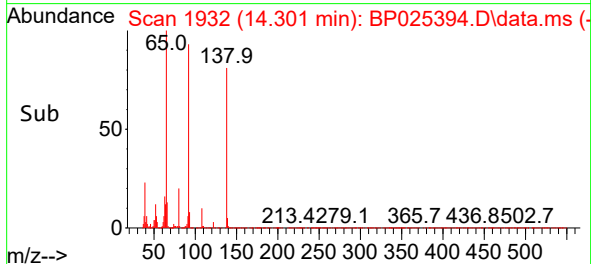
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



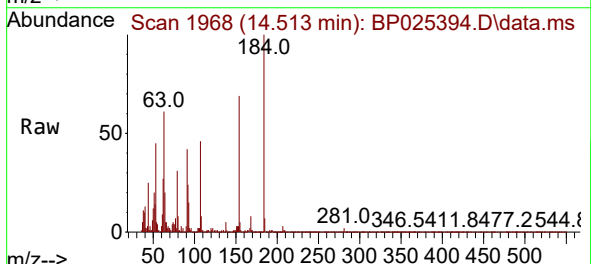
Tgt Ion:138 Resp: 6299
Ion Ratio Lower Upper
138 100
108 12.1 8.3 12.5
92 114.9 86.2 129.2

Manual Integrations
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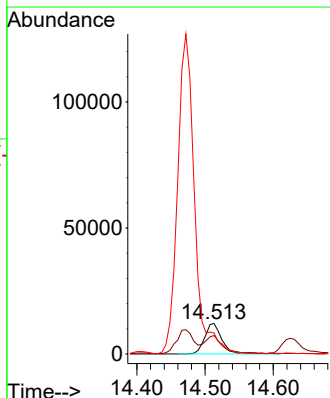
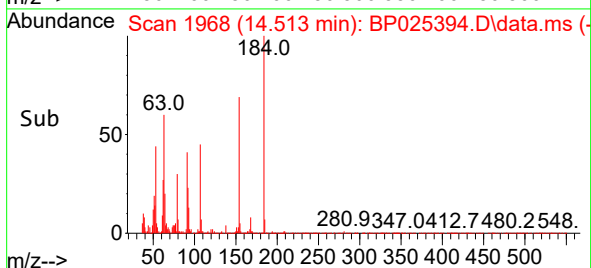
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

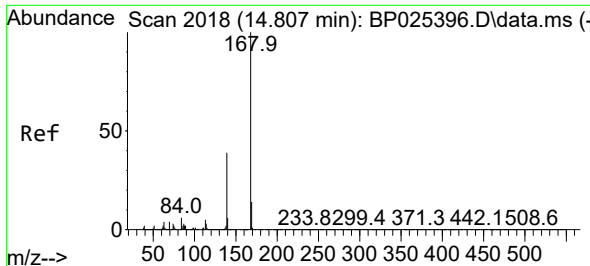


#54
2,4-Dinitrophenol
Concen: 6.886 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



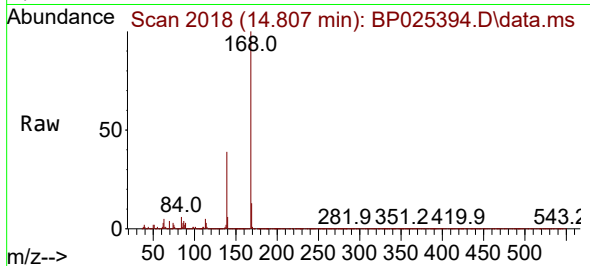
Tgt Ion:184 Resp: 21748
Ion Ratio Lower Upper
184 100
63 60.8 49.4 74.2
154 69.1 54.6 82.0





#55
Dibenzenofuran
Concen: 9.851 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

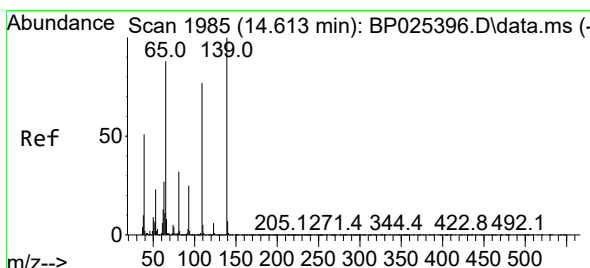
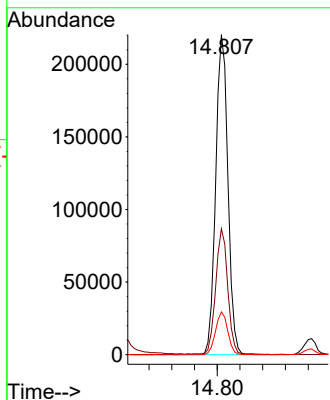
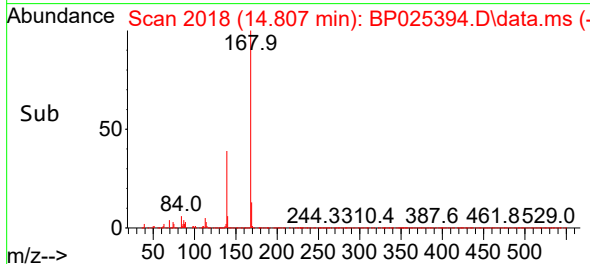
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



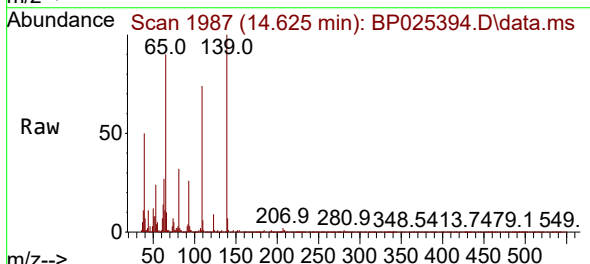
Tgt Ion:168 Resp: 327734
Ion Ratio Lower Upper
168 100
139 39.3 31.5 47.3
169 13.4 10.9 16.3

Manual Integrations
APPROVED

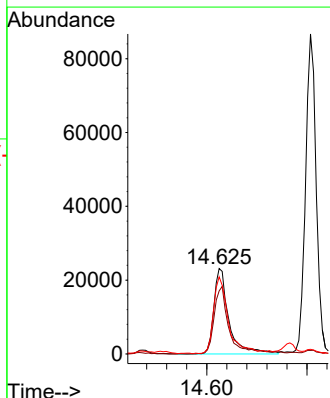
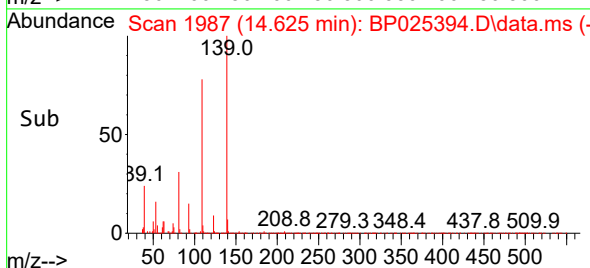
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

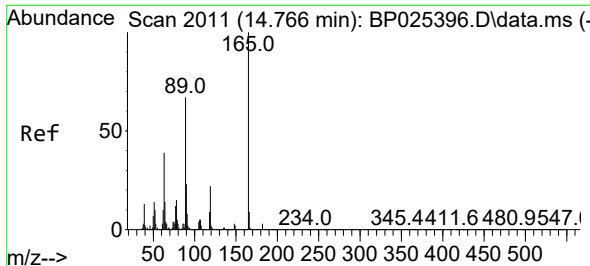


#56
4-Nitrophenol
Concen: 8.797 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:139 Resp: 48103
Ion Ratio Lower Upper
139 100
109 73.8 56.6 96.6
65 90.2 68.2 108.2





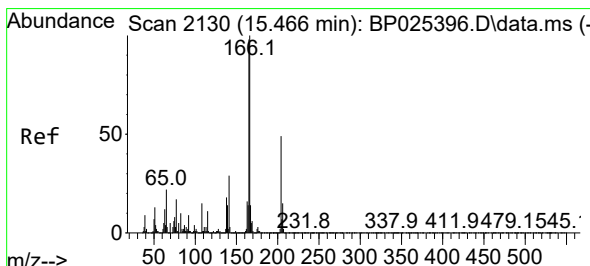
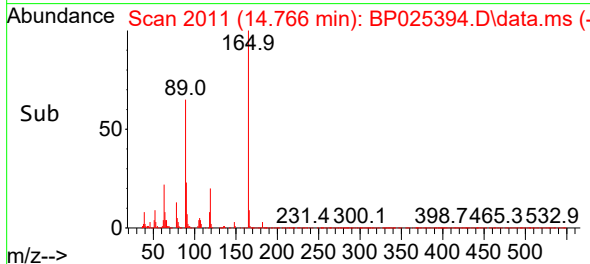
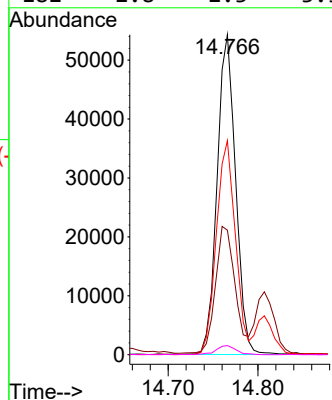
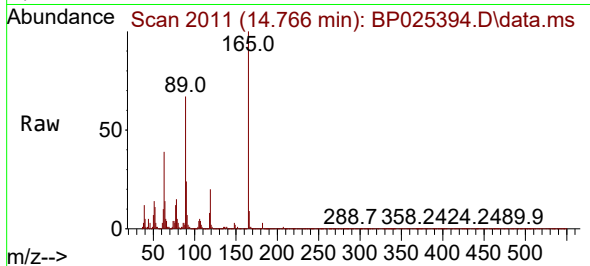
#57
2,4-Dinitrotoluene
Concen: 9.237 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:	165	Resp:	77950
Ion Ratio	Lower	Upper	
165	100		
63	38.9	31.4	47.2
89	66.9	53.3	79.9
182	2.8	2.3	3.5

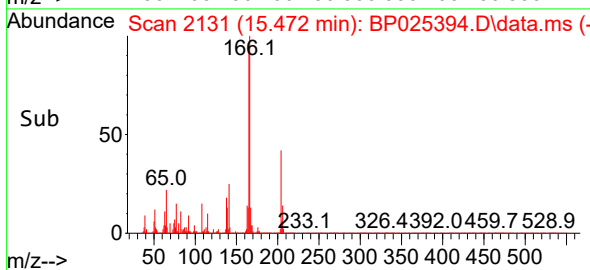
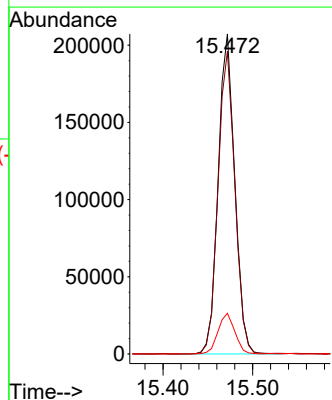
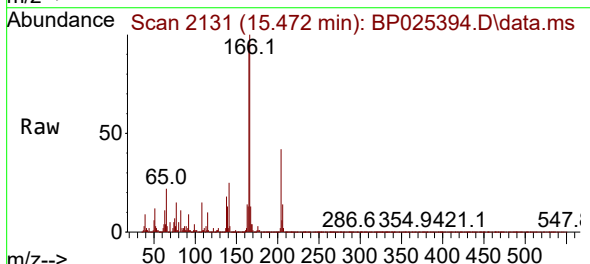
Manual Integrations
APPROVED

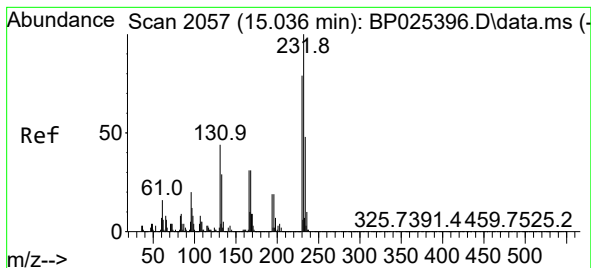
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#58
Fluorene
Concen: 10.156 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

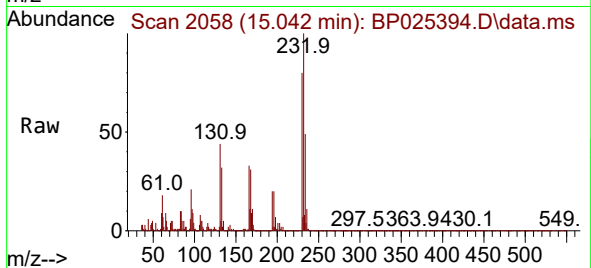
Tgt Ion:	166	Resp:	266610
Ion Ratio	Lower	Upper	
166	100		
165	94.6	78.8	118.2
167	12.7	11.0	16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.533 ng
RT: 15.042 min Scan# 2057
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

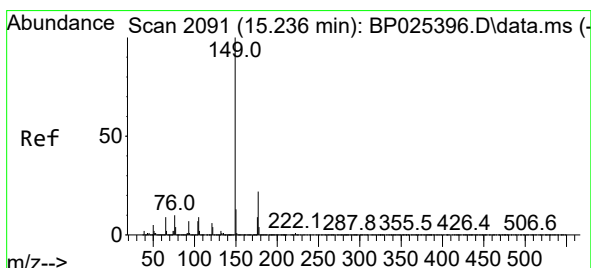
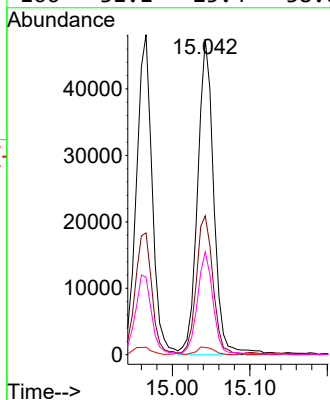
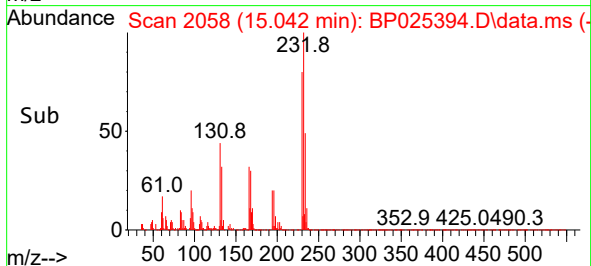
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



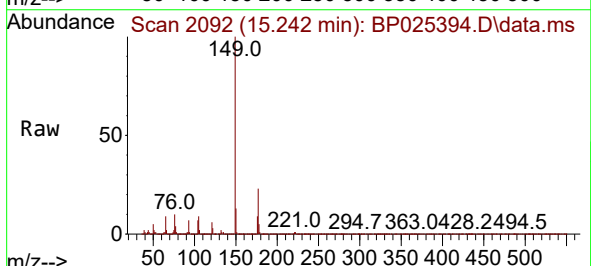
Tgt Ion:232 Resp: 68931
Ion Ratio Lower Upper
232 100
131 45.2 37.0 55.6
130 2.5 1.9 2.9
166 31.1 25.4 38.0

Manual Integrations
APPROVED

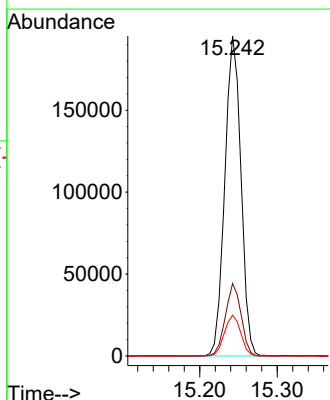
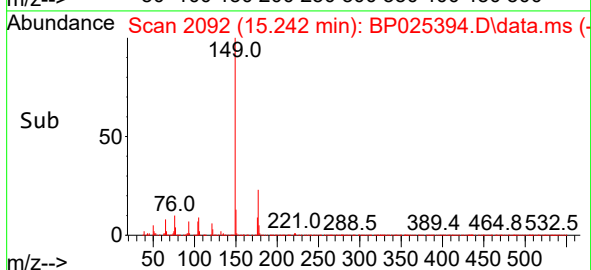
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

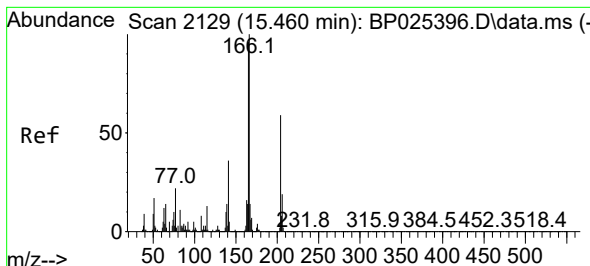


#60
Diethylphthalate
Concen: 9.909 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



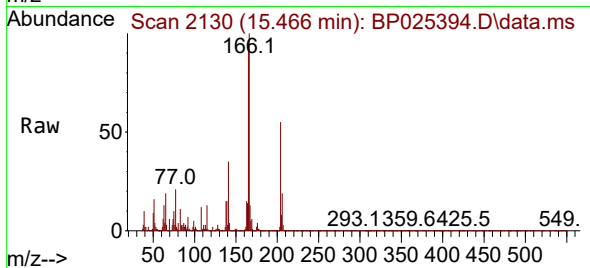
Tgt Ion:149 Resp: 282526
Ion Ratio Lower Upper
149 100
177 22.7 17.3 25.9
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 10.044 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

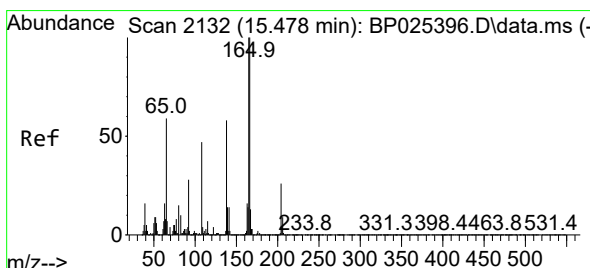
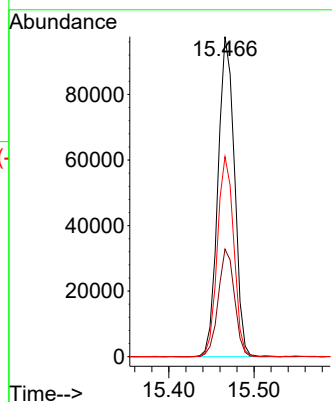
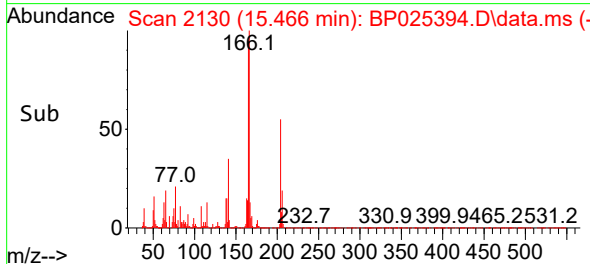
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



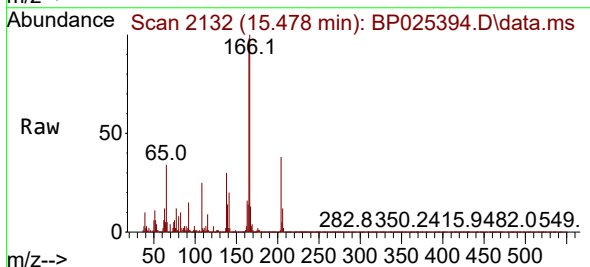
Tgt Ion:204 Resp: 13113
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 62.5 49.4 74.2

Manual Integrations
APPROVED

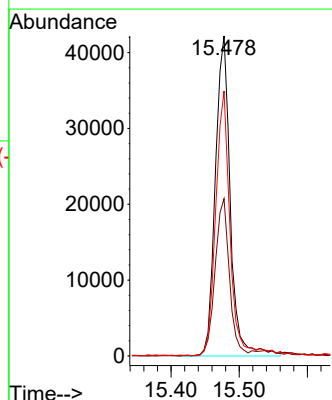
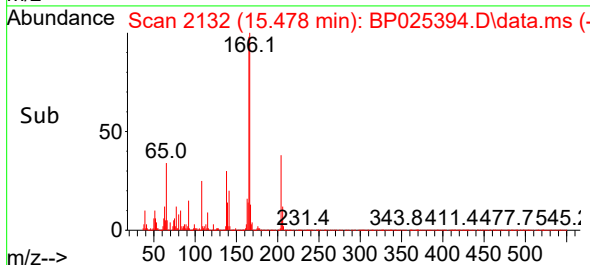
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

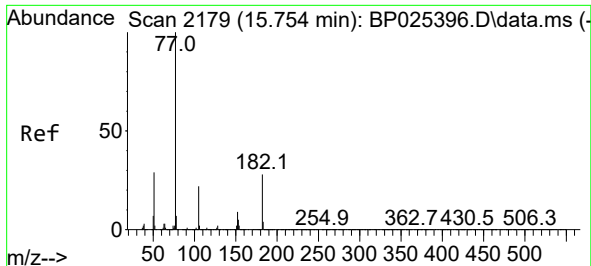


#62
4-Nitroaniline
Concen: 9.437 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



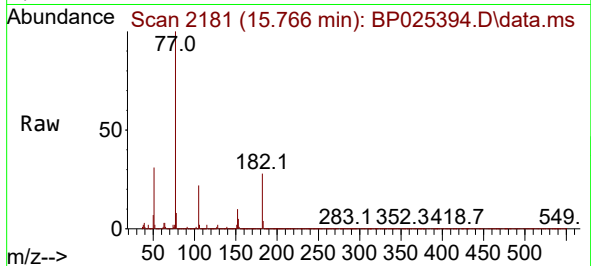
Tgt Ion:138 Resp: 64375
Ion Ratio Lower Upper
138 100
92 49.1 29.1 69.1
108 82.8 61.5 101.5





#63
Azobenzene
Concen: 9.620 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

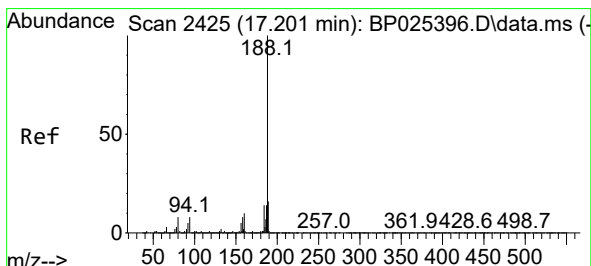
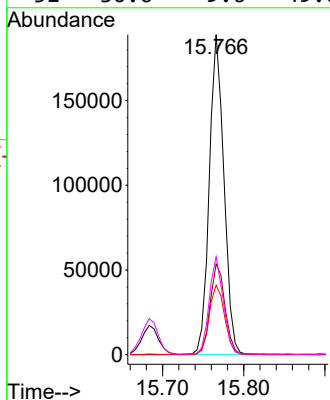
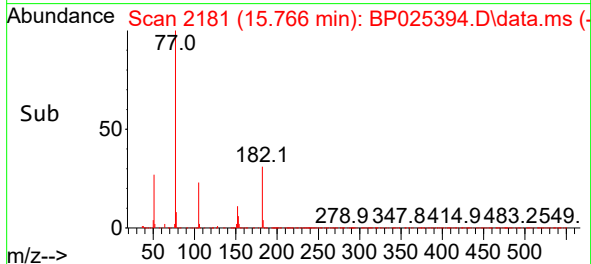
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



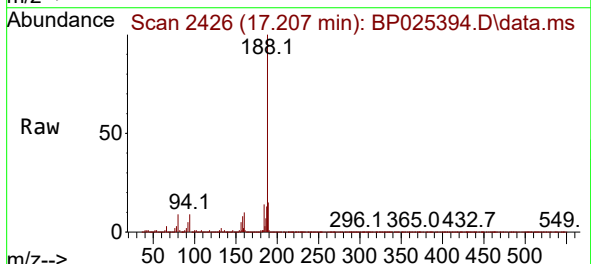
Tgt Ion: 77 Resp: 234879
Ion Ratio Lower Upper
77 100
182 28.3 7.5 47.5
105 21.7 2.1 42.1
51 30.6 9.6 49.6

Manual Integrations
APPROVED

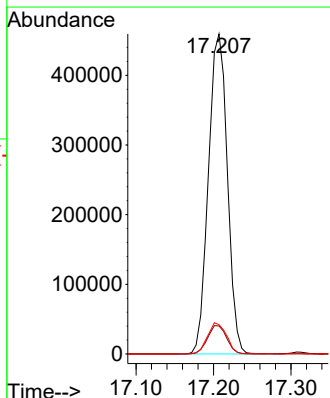
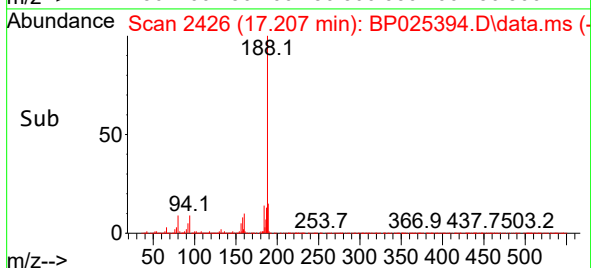
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

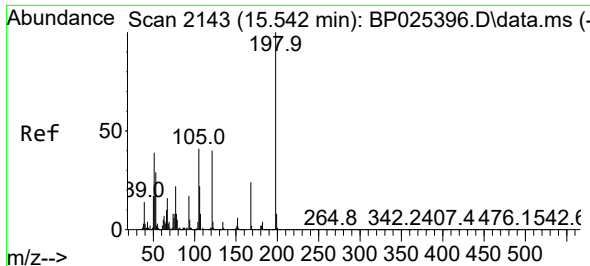


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



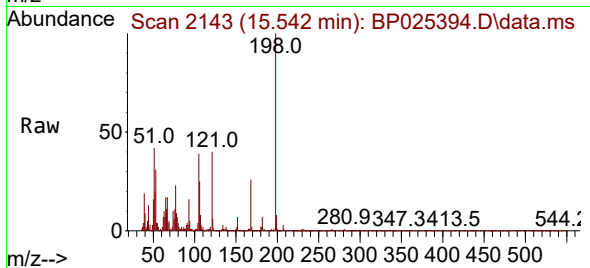
Tgt Ion:188 Resp: 780940
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.1 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 7.679 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

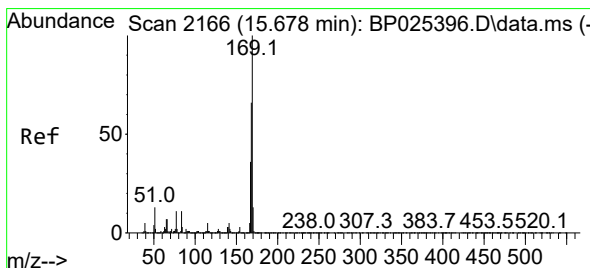
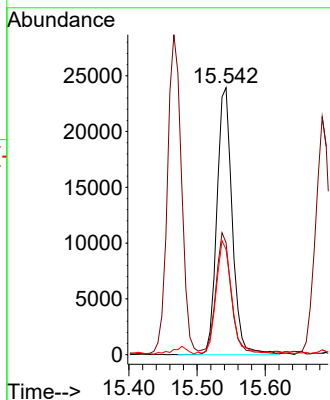
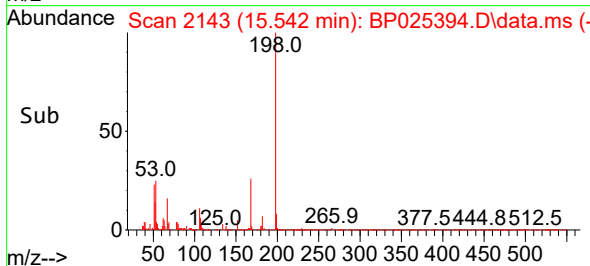
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



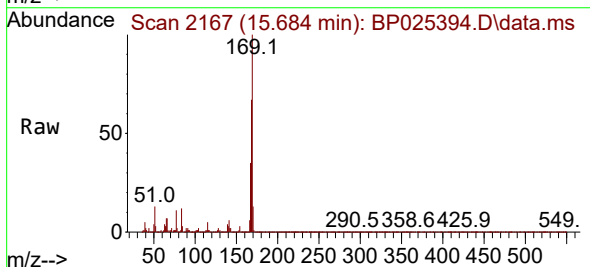
Tgt Ion:198 Resp: 37380
Ion Ratio Lower Upper
198 100
51 42.0 19.6 59.6
105 39.4 20.9 60.9

Manual Integrations
APPROVED

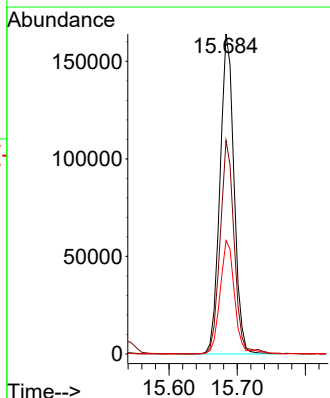
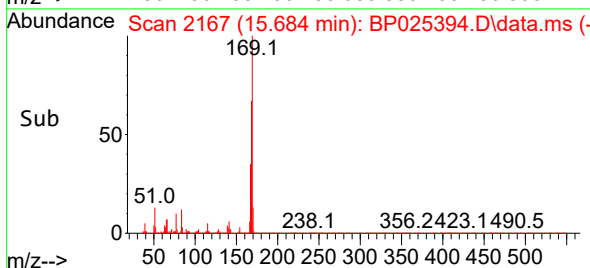
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

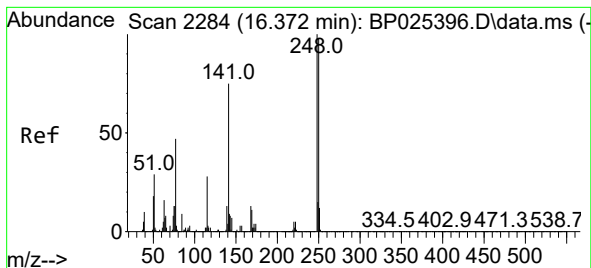


#66
n-Nitrosodiphenylamine
Concen: 9.883 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



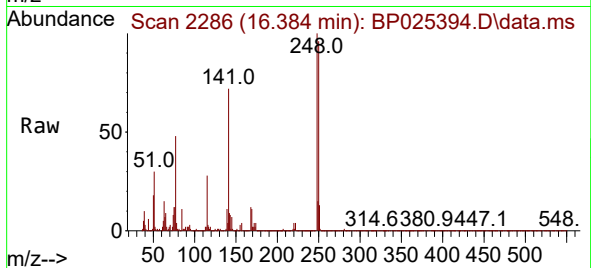
Tgt Ion:169 Resp: 235344
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 35.5 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 9.358 ng
RT: 16.384 min Scan# 2286
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

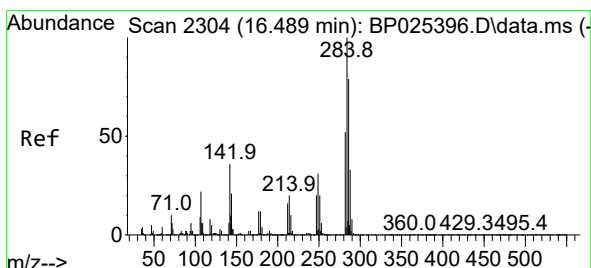
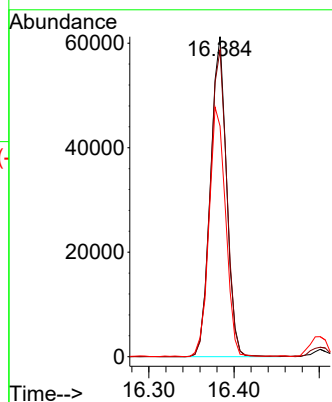
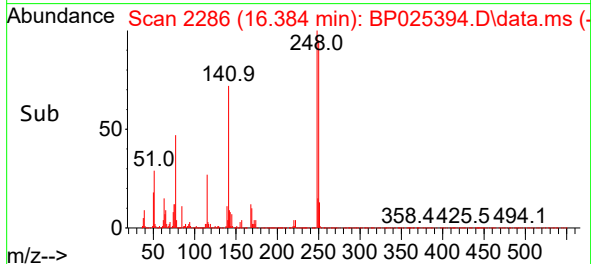
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



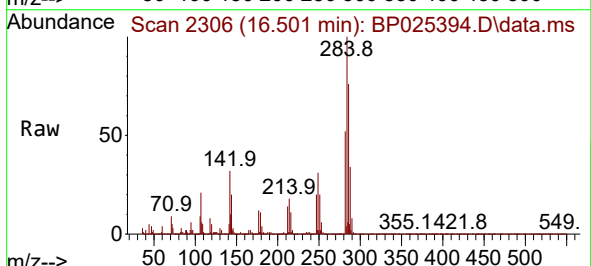
Tgt Ion: 248 Resp: 8037
Ion Ratio Lower Upper
248 100
250 95.9 78.2 117.2
141 72.1 59.6 89.4

Manual Integrations
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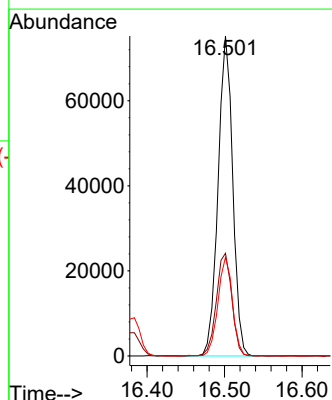
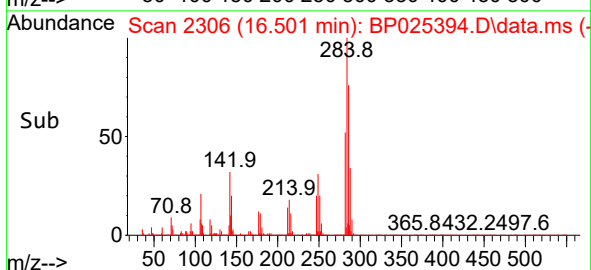
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

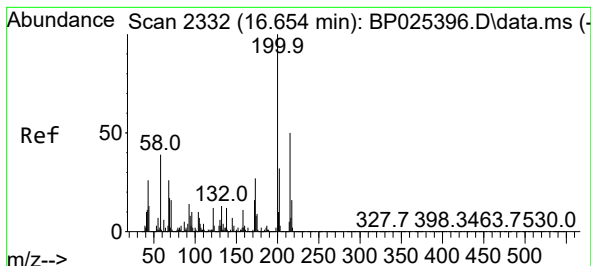


#68
Hexachlorobenzene
Concen: 9.905 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion: 284 Resp: 98614
Ion Ratio Lower Upper
284 100
142 32.1 29.1 43.7
249 30.8 25.0 37.4





#69

Atrazine

Concen: 9.894 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

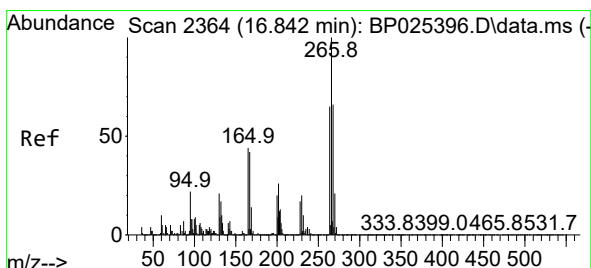
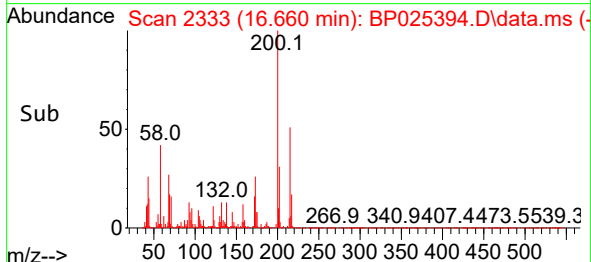
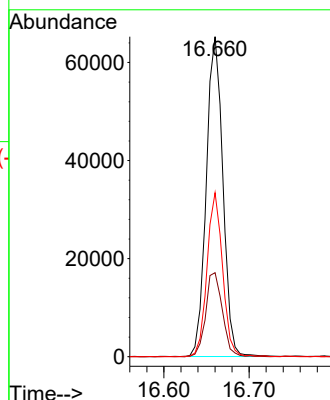
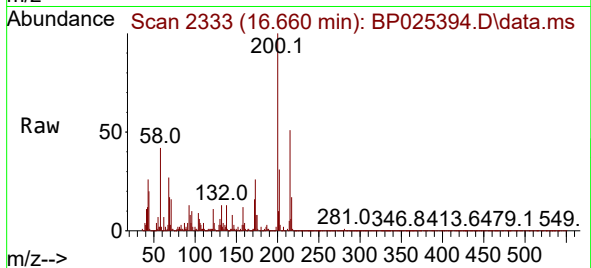
Tgt Ion:	200	Resp:	88240
Ion Ratio	Lower	Upper	
200	100		
173	26.2	6.7	46.7
215	51.3	29.7	69.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 8.360 ng

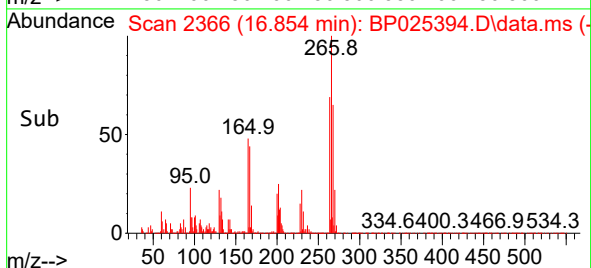
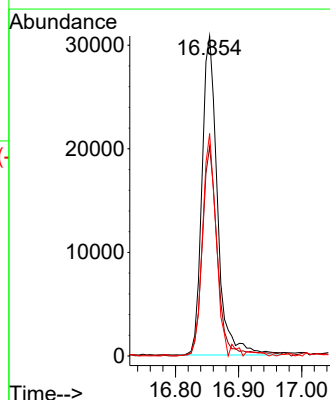
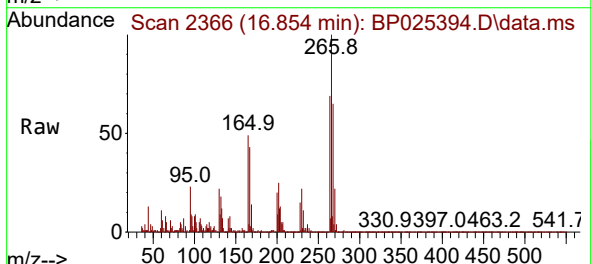
RT: 16.854 min Scan# 2366

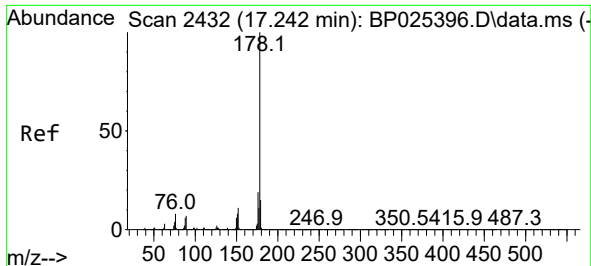
Delta R.T. 0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:	266	Resp:	52539
Ion Ratio	Lower	Upper	
266	100		
268	65.4	52.6	79.0
264	69.5	52.0	78.0





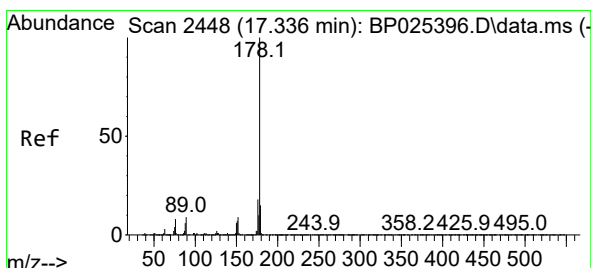
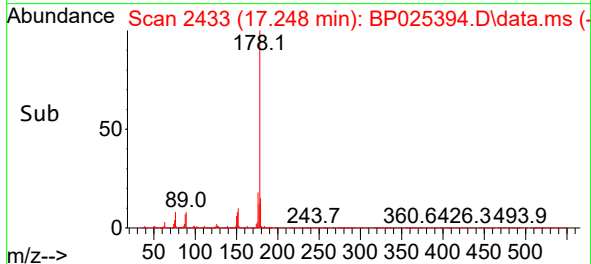
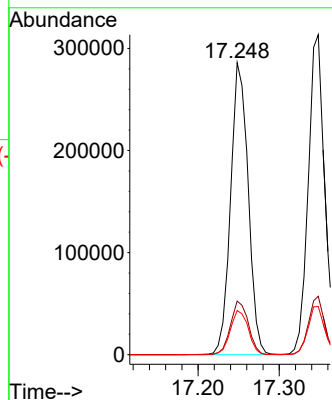
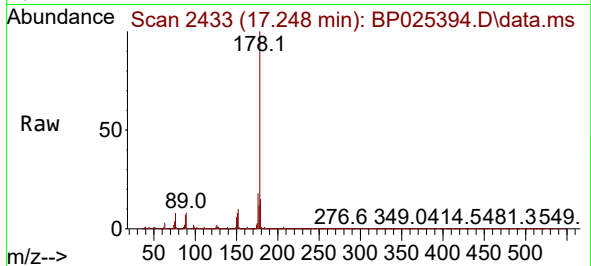
#71
Phenanthrene
Concen: 10.018 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 429752
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.1 12.2 18.4

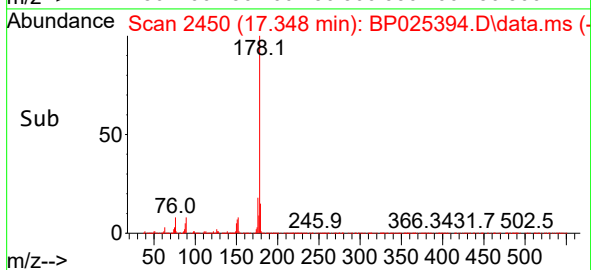
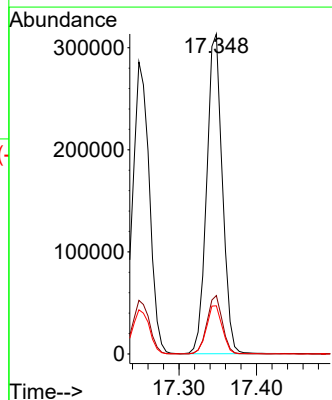
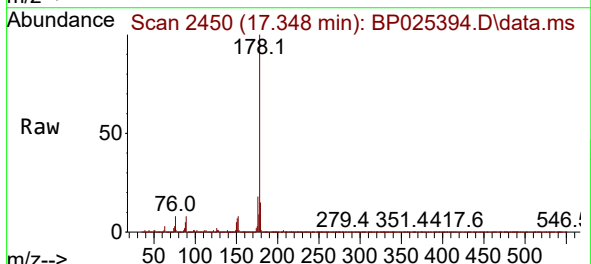
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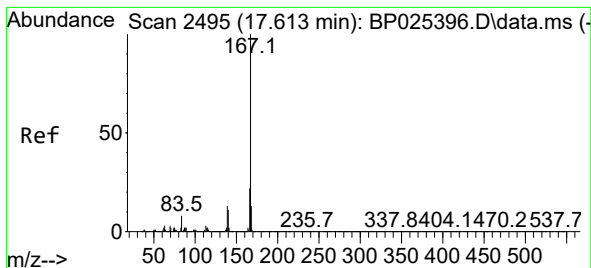
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#72
Anthracene
Concen: 10.020 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:178 Resp: 438953
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.1 12.2 18.2





#73

Carbazole

Concen: 9.954 ng

RT: 17.619 min Scan# 2495

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

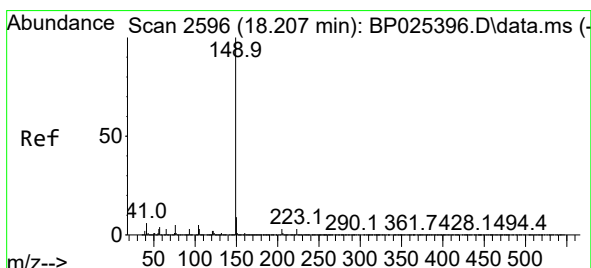
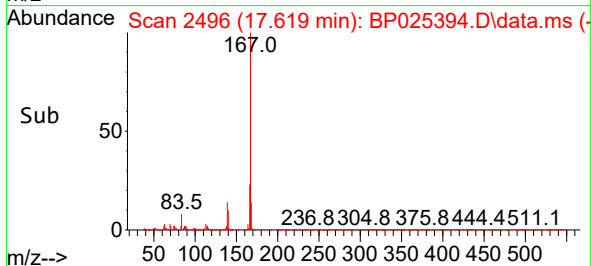
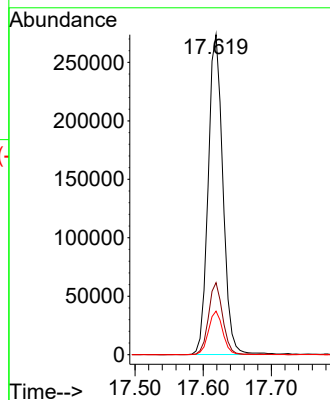
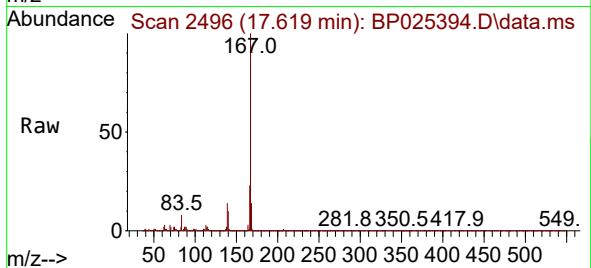
SSTDICC010

Tgt Ion:167	Resp: 410720
Ion Ratio	Lower Upper
167 100	
166 22.5	17.5 26.3
139 13.6	10.6 16.0

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#74

Di-n-butylphthalate

Concen: 9.656 ng

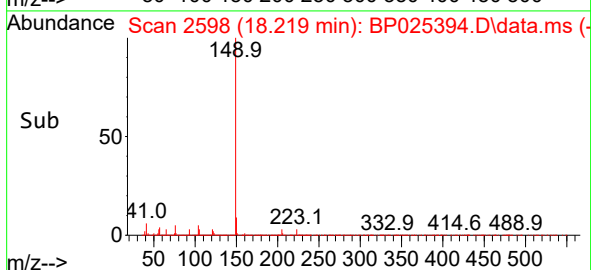
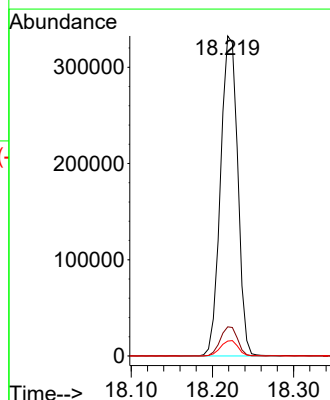
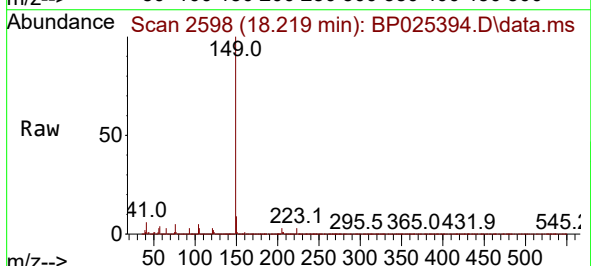
RT: 18.219 min Scan# 2598

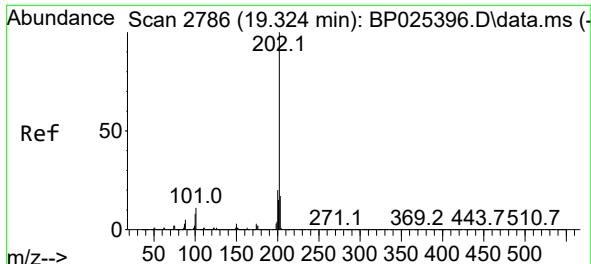
Delta R.T. 0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

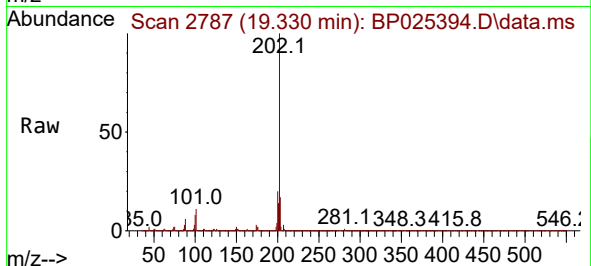
Tgt Ion:149	Resp: 490232
Ion Ratio	Lower Upper
149 100	
150 9.1	7.4 11.0
104 4.7	4.2 6.2





#75
Fluoranthene
Concen: 10.094 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

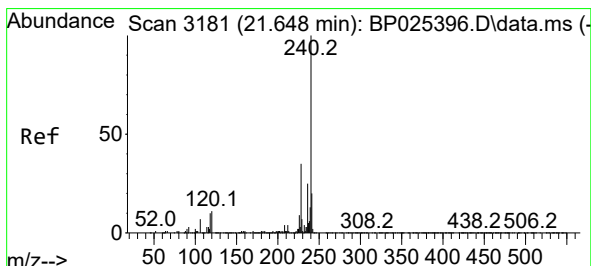
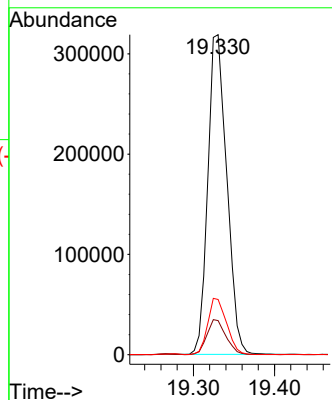
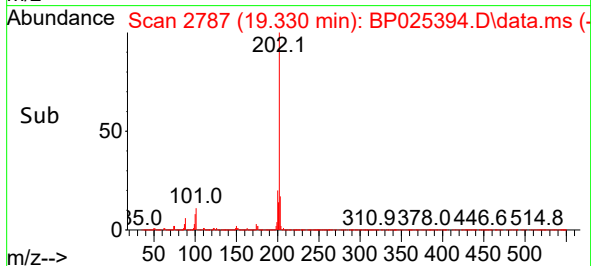
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



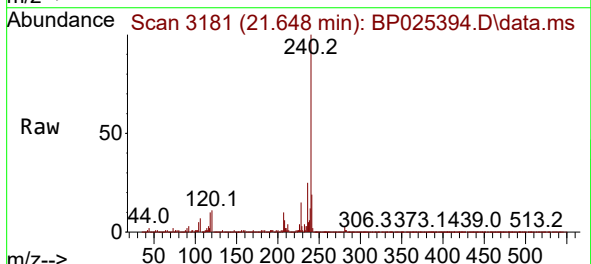
Tgt Ion:202 Resp: 51652
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.1
203 17.2 0.0 37.3

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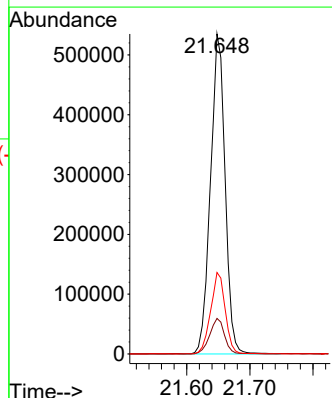
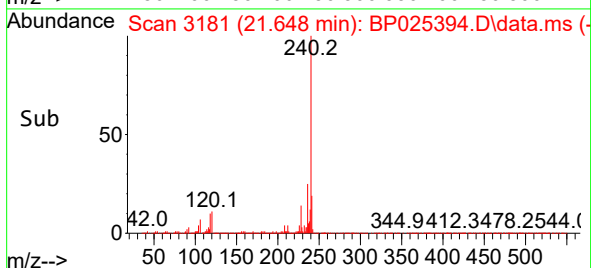
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

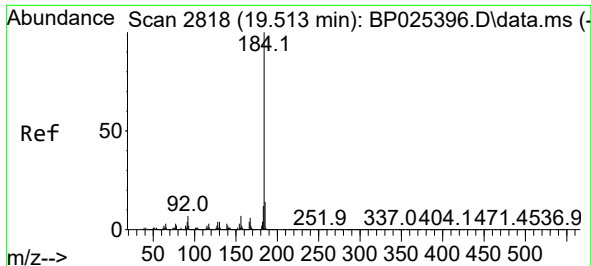


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



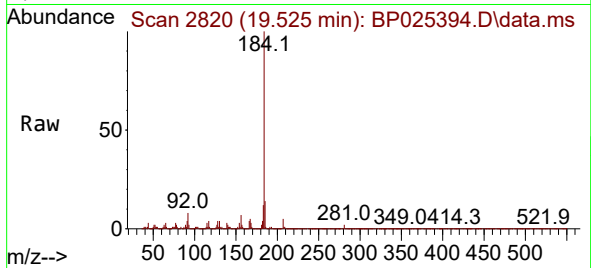
Tgt Ion:240 Resp: 860386
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 25.5 19.8 29.8





#77
Benzidine
Concen: 9.406 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

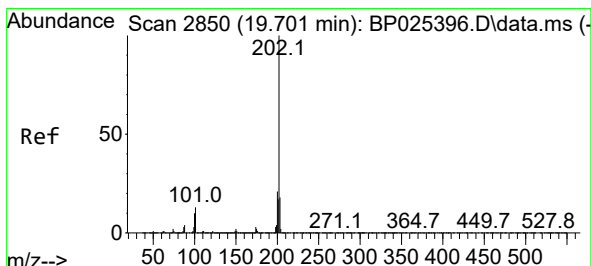
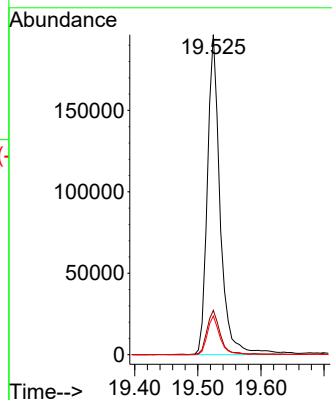
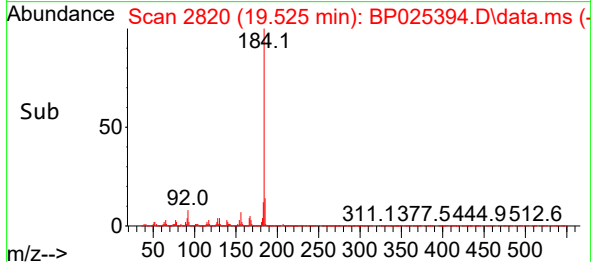
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 27619
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 12.1 9.4 14.2

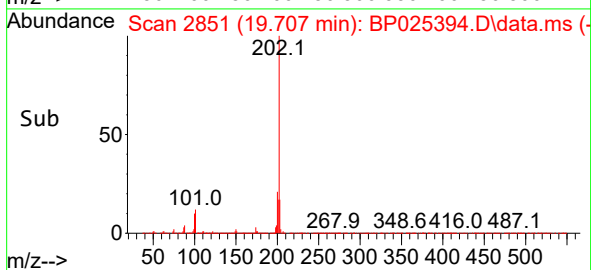
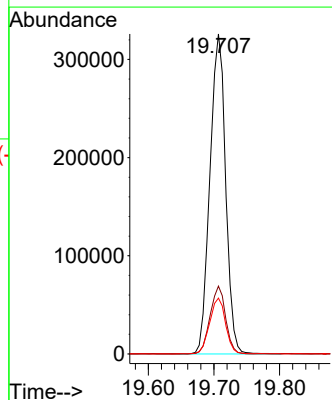
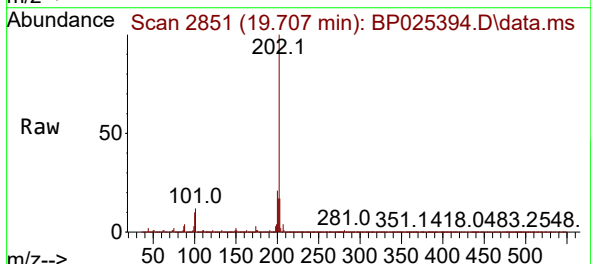
Manual Integrations
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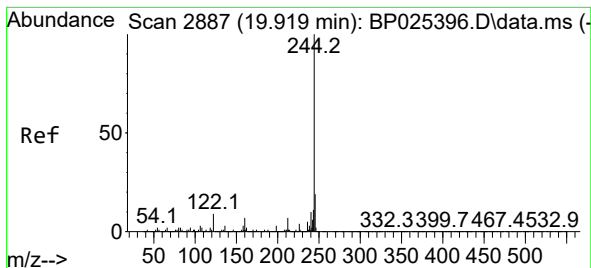
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#78
Pyrene
Concen: 9.704 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:202 Resp: 542670
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 20.125 ng

RT: 19.924 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025394.D

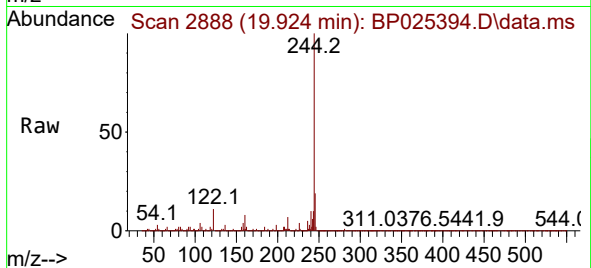
Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010



Tgt Ion:244 Resp: 94642

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

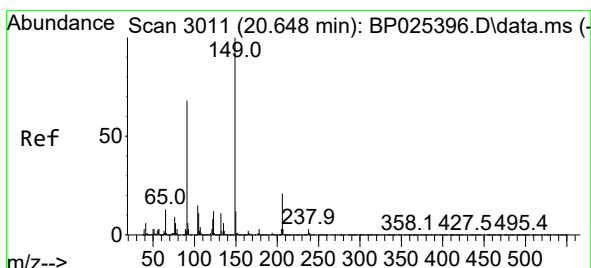
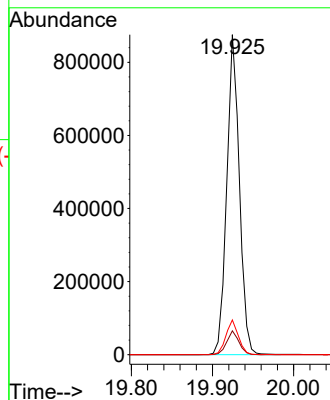
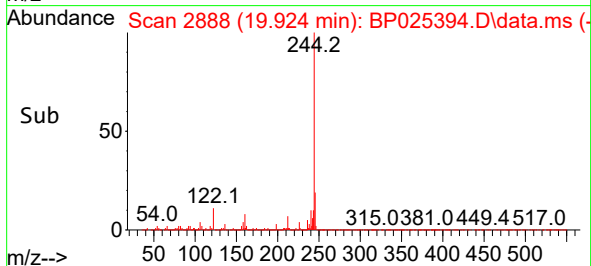
122 10.9 7.4 11.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 9.446 ng

RT: 20.660 min Scan# 3013

Delta R.T. 0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

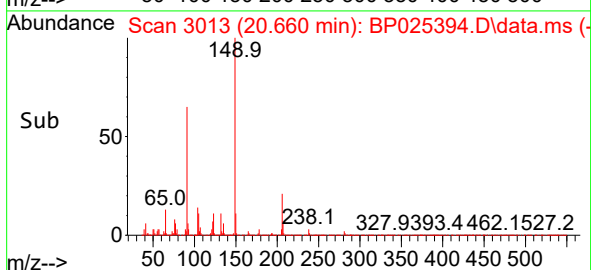
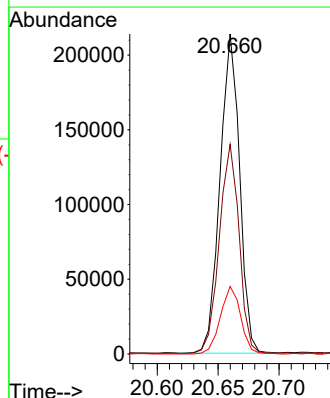
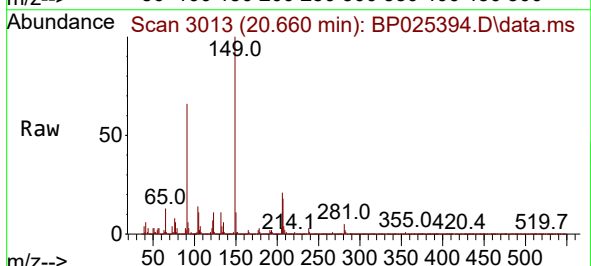
Tgt Ion:149 Resp: 239416

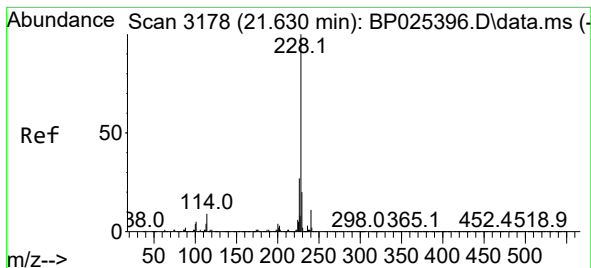
Ion Ratio Lower Upper

149 100

91 65.5 54.2 81.2

206 21.1 16.6 24.8





#81

Benzo(a)anthracene

Concen: 9.874 ng

RT: 21.624 min Scan# 3178

Delta R.T. -0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

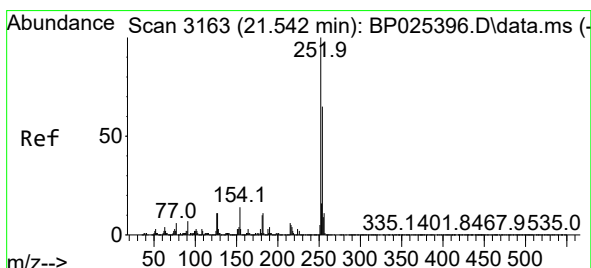
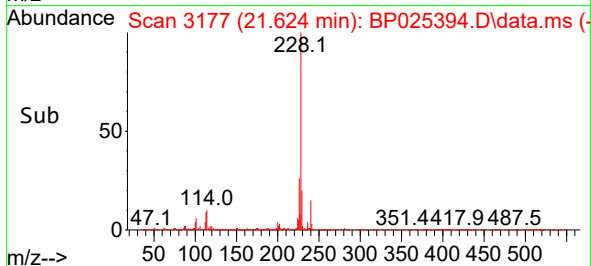
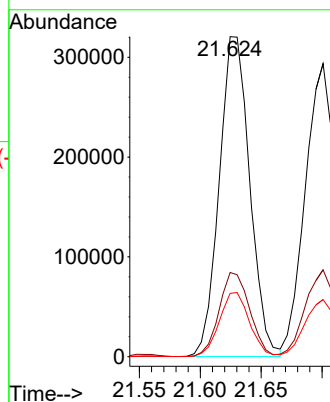
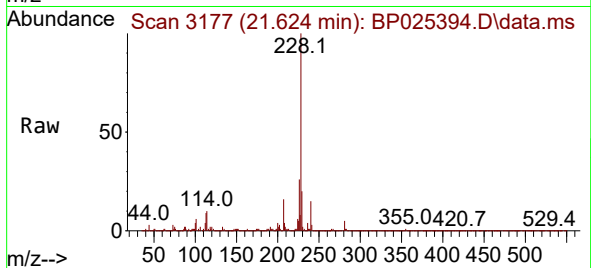
Tgt Ion:228 Resp: 560279
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.7 32.5
 229 19.8 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 9.686 ng

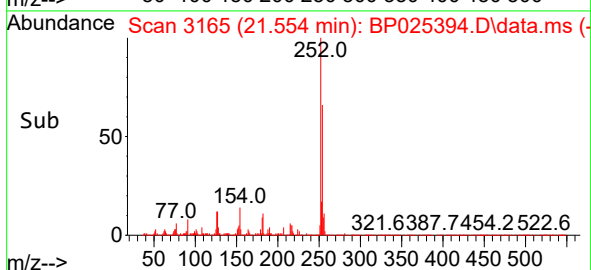
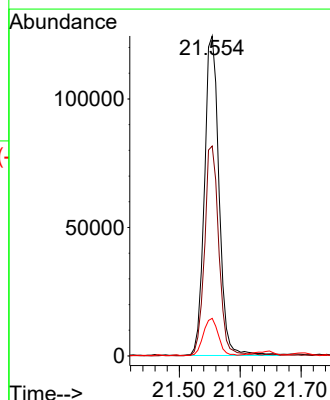
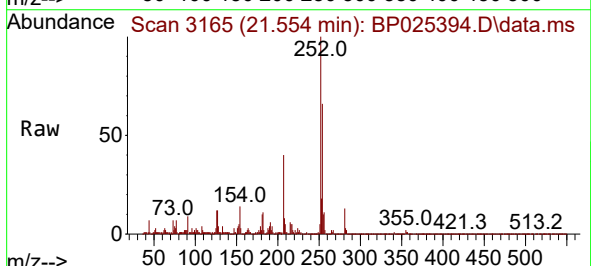
RT: 21.554 min Scan# 3165

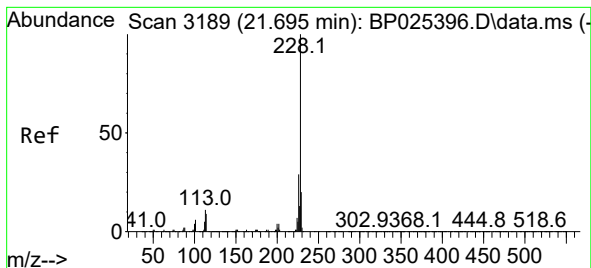
Delta R.T. 0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 207153
 Ion Ratio Lower Upper
 252 100
 254 65.6 51.8 77.6
 126 11.7 9.1 13.7





#83

Chrysene

Concen: 9.831 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

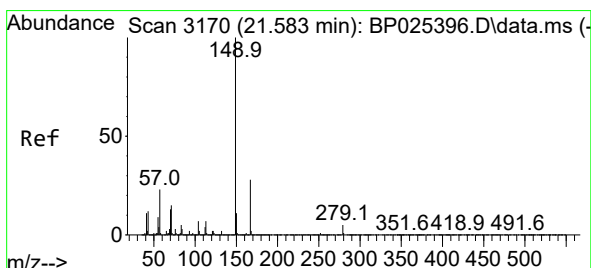
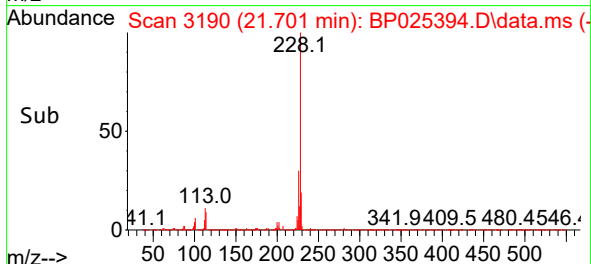
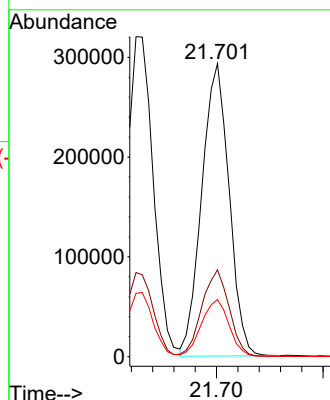
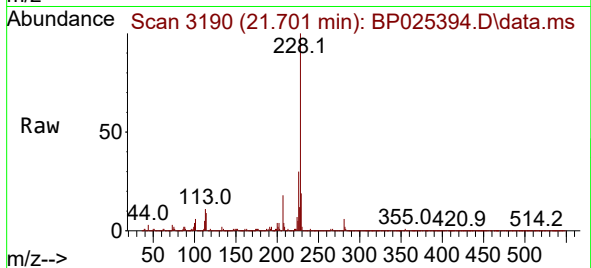
Tgt Ion:	228	Resp:	52241
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.2	34.8
229	19.5	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.529 ng

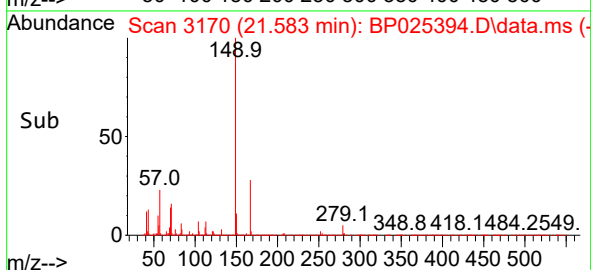
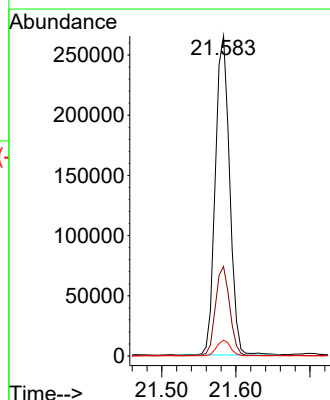
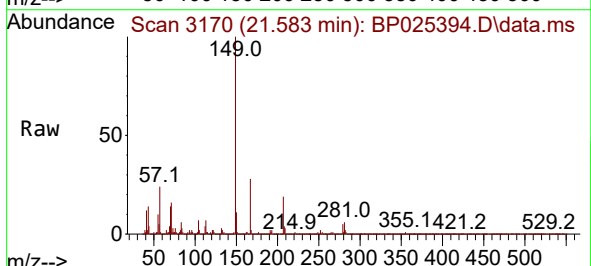
RT: 21.583 min Scan# 3170

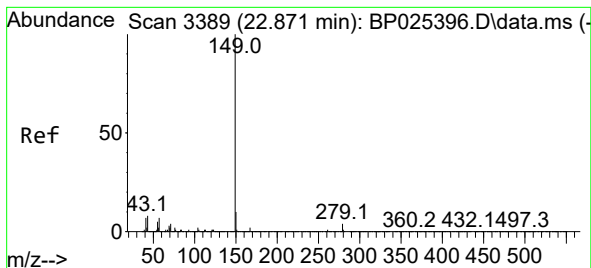
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

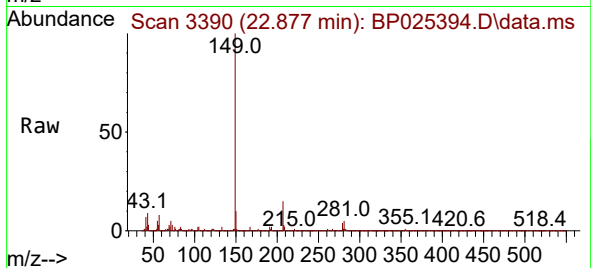
Tgt Ion:	149	Resp:	355530
Ion Ratio	Lower	Upper	
149	100		
167	27.9	22.1	33.1
279	4.9	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 9.259 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

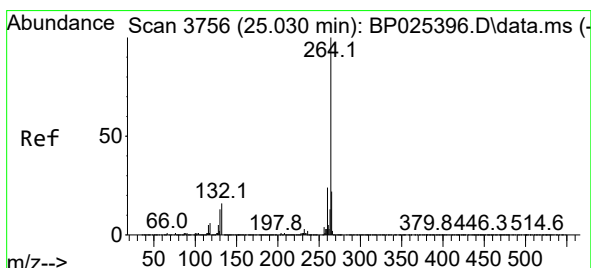
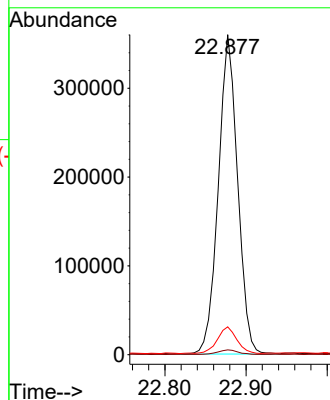
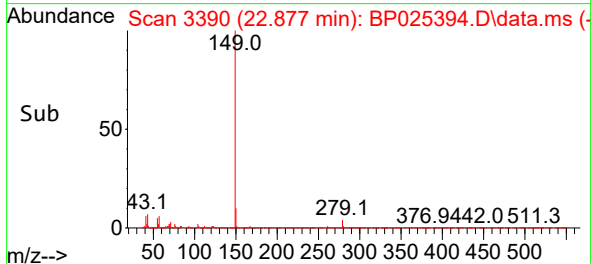
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



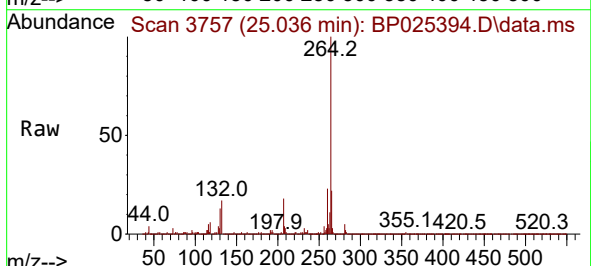
Tgt Ion:149 Resp: 59419
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.4 6.3 9.5

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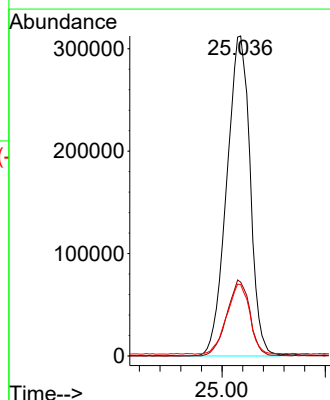
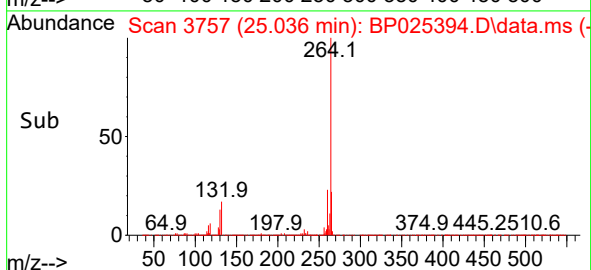
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

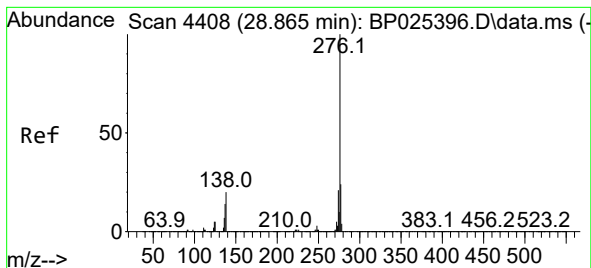


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:264 Resp: 980670
Ion Ratio Lower Upper
264 100
260 23.0 19.3 28.9
265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.438 ng m

RT: 28.853 min Scan# 4408

Delta R.T. -0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

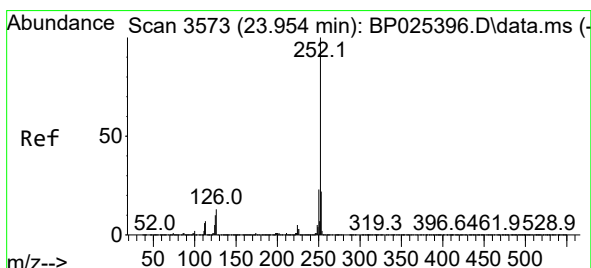
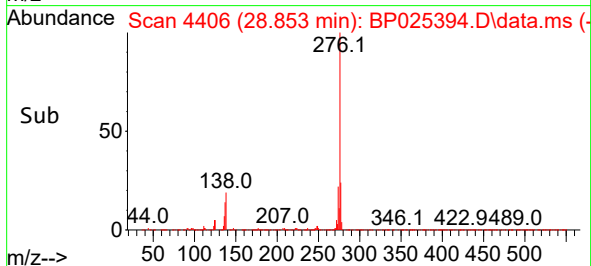
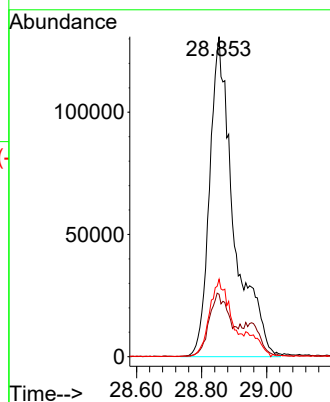
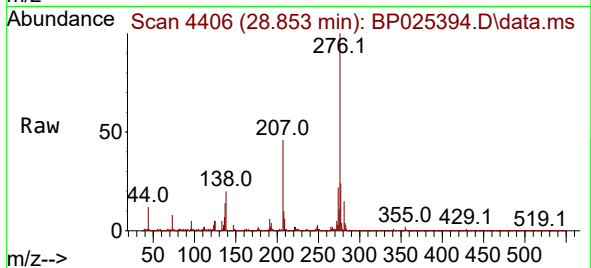
Tgt Ion:	276	Resp:	678980
Ion Ratio	Lower	Upper	
276	100		
138	16.7	12.9	19.3
277	21.1	17.0	25.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 9.549 ng

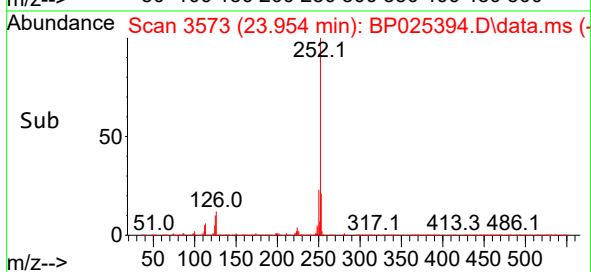
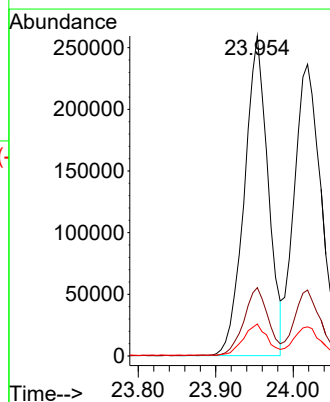
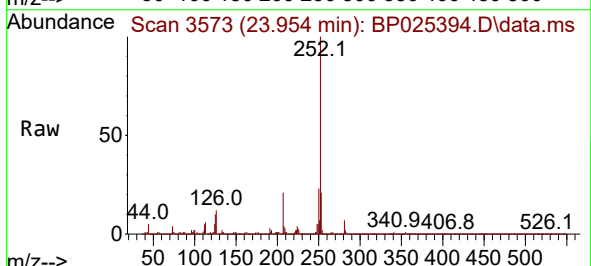
RT: 23.954 min Scan# 3573

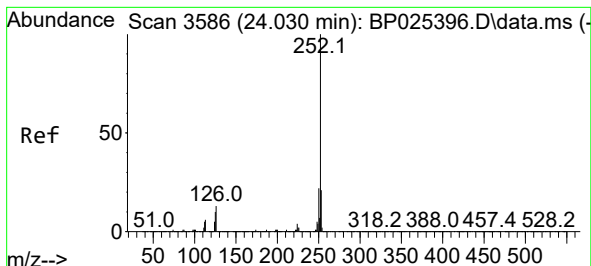
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:	252	Resp:	552191
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.7	26.5
125	10.0	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 9.800 ng

RT: 24.018 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 567080

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

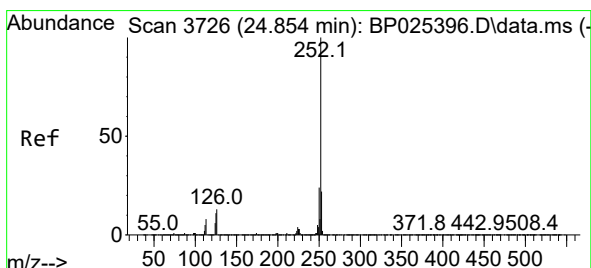
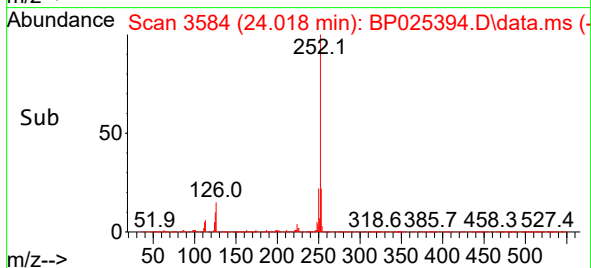
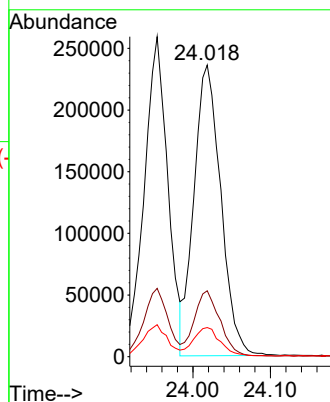
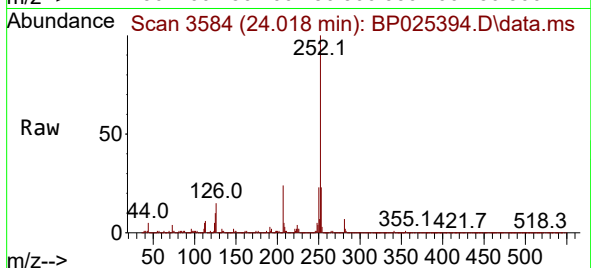
125 10.0 7.8 11.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 9.519 ng

RT: 24.854 min Scan# 3726

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

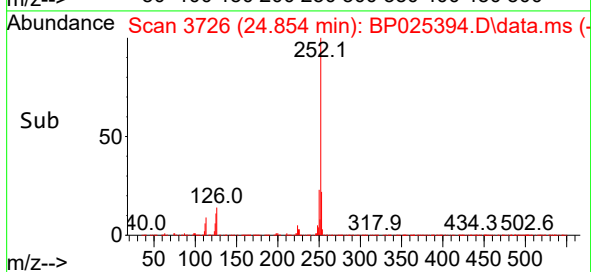
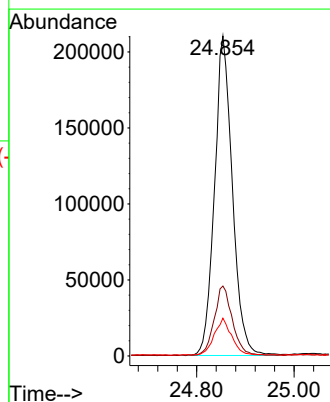
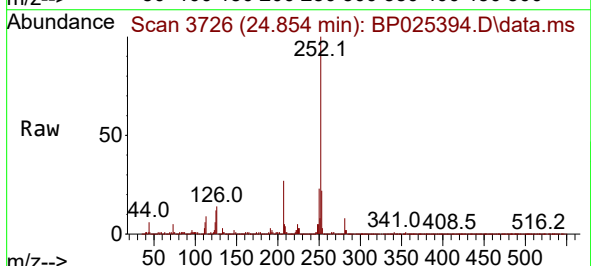
Tgt Ion:252 Resp: 535820

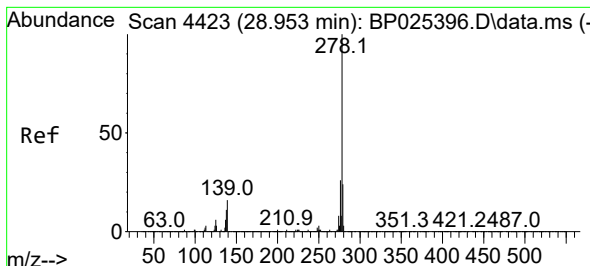
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

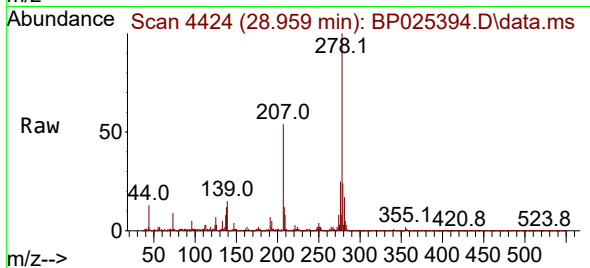
125 11.8 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 9.387 ng
RT: 28.959 min Scan# 4423
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

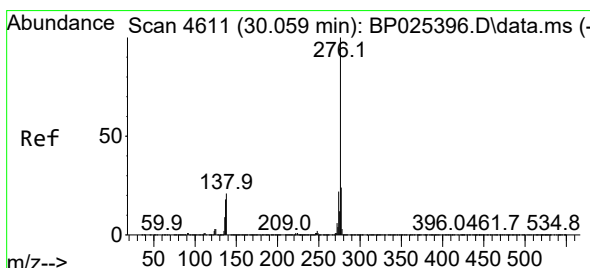
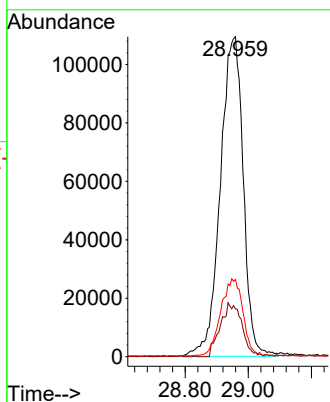
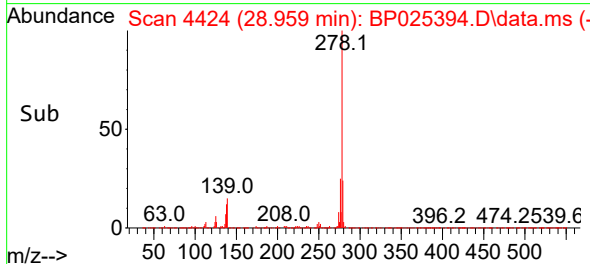
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion: 278 Resp: 551694
Ion Ratio Lower Upper
278 100
139 15.0 13.0 19.4
279 24.2 19.4 29.2

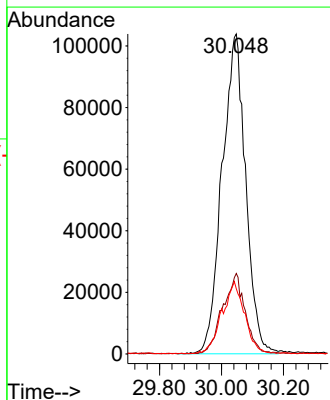
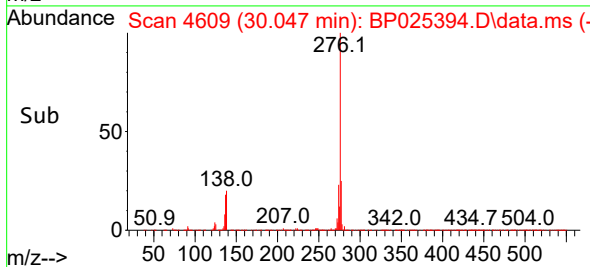
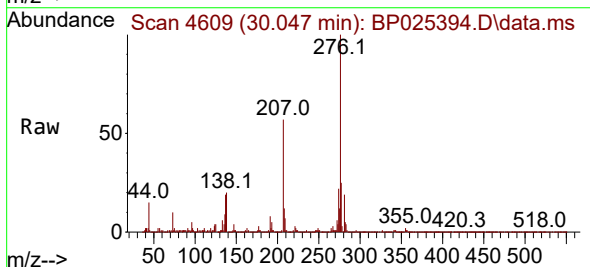
Manual Integrations
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Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 9.489 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 276 Resp: 548117
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 20.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025395.D
 Acq On : 14 Aug 2025 14:38
 Operator : CG/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Quant Time: Aug 14 17:54:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	141721	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	603797	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	399034	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	785736	20.000	ng	0.01
76) Chrysene-d12	21.654	240	852065	20.000	ng	0.00
86) Perylene-d12	25.036	264	958651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	338568	39.674	ng	0.00
7) Phenol-d6	6.966	99	434388	39.702	ng	0.00
23) Nitrobenzene-d5	8.931	82	473937	39.706	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	212968	39.651	ng	0.01
45) 2-Fluorobiphenyl	13.025	172	1203064	41.205	ng	0.00
79) Terphenyl-d14	19.930	244	1869951	40.152	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	67276	20.126	ng	99
3) Pyridine	3.731	79	177948	19.450	ng	98
4) n-Nitrosodimethylamine	3.637	42	72627	19.255	ng	# 96
6) Aniline	7.125	93	287645	19.513	ng	99
8) 2-Chlorophenol	7.366	128	190858	19.819	ng	99
9) Benzaldehyde	6.937	77	135464	17.672	ng	99
10) Phenol	6.990	94	228580	19.910	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	180390	20.159	ng	98
12) 1,3-Dichlorobenzene	7.684	146	213023	20.061	ng	99
13) 1,4-Dichlorobenzene	7.825	146	216400	19.938	ng	99
14) 1,2-Dichlorobenzene	8.143	146	211243	20.106	ng	99
15) Benzyl Alcohol	8.019	79	170736	19.640	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	242616	20.240	ng	99
17) 2-Methylphenol	8.225	107	159119	19.956	ng	98
18) Hexachloroethane	8.866	117	78205	19.597	ng	94
19) n-Nitroso-di-n-propyla...	8.584	70	149715	20.633	ng	97
20) 3+4-Methylphenols	8.543	107	217240	19.655	ng	98
22) Acetophenone	8.596	105	305812	20.196	ng	99
24) Nitrobenzene	8.972	77	210234	19.708	ng	100
25) Isophorone	9.496	82	422370	19.995	ng	99
26) 2-Nitrophenol	9.678	139	106805	19.509	ng	98
27) 2,4-Dimethylphenol	9.743	122	178534	18.963	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	256656	20.100	ng	99
29) 2,4-Dichlorophenol	10.207	162	186076	19.896	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	201995	19.702	ng	98
31) Naphthalene	10.613	128	625899	19.944	ng	99
32) Benzoic acid	9.843	122	124836m	18.004	ng	
33) 4-Chloroaniline	10.713	127	270158	19.489	ng	99
34) Hexachlorobutadiene	10.901	225	127593	19.983	ng	99
35) Caprolactam	11.484	113	66168	19.294	ng	95
36) 4-Chloro-3-methylphenol	11.837	107	209817	19.551	ng	97
37) 2-Methylnaphthalene	12.219	142	409613	20.057	ng	99
38) 1-Methylnaphthalene	12.443	142	430666	19.829	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	233523	20.263	ng	99
41) Hexachlorocyclopentadiene	12.572	237	124759	17.922	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	152031	19.540	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025395.D
 Acq On : 14 Aug 2025 14:38
 Operator : CG/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

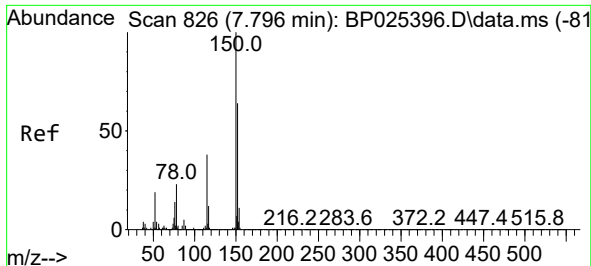
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
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Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

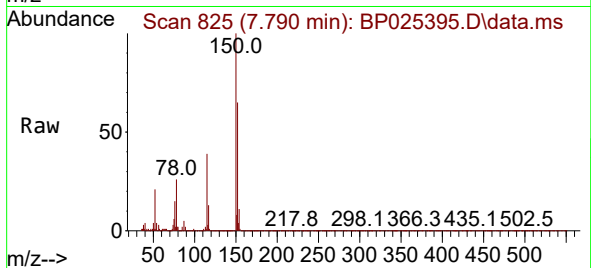
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	169197	19.842	ng	98
46) 1,1'-Biphenyl	13.237	154	581464	20.064	ng	100
47) 2-Chloronaphthalene	13.272	162	456552	20.237	ng	98
48) 2-Nitroaniline	13.478	65	126433	19.233	ng	99
49) Acenaphthylene	14.137	152	737527	19.756	ng	99
50) Dimethylphthalate	13.866	163	573661	19.632	ng	100
51) 2,6-Dinitrotoluene	13.966	165	120693	19.597	ng	96
52) Acenaphthene	14.484	154	438852m	20.027	ng	
53) 3-Nitroaniline	14.301	138	134502	19.410	ng	97
54) 2,4-Dinitrophenol	14.519	184	55713	16.939	ng	98
55) Dibenzofuran	14.819	168	692966	20.002	ng	99
56) 4-Nitrophenol	14.619	139	105787	18.578	ng	98
57) 2,4-Dinitrotoluene	14.772	165	172020	19.576	ng	96
58) Fluorene	15.478	166	554647	20.289	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.048	232	145926	19.381	ng	99
60) Diethylphthalate	15.248	149	584590	19.689	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	270949	19.929	ng	98
62) 4-Nitroaniline	15.478	138	139202	19.595	ng	100
63) Azobenzene	15.766	77	508563	20.004	ng	100
65) 4,6-Dinitro-2-methylph...	15.548	198	88992	18.169	ng	97
66) n-Nitrosodiphenylamine	15.684	169	477080	19.911	ng	99
67) 4-Bromophenyl-phenylether	16.389	248	170738	19.758	ng	97
68) Hexachlorobenzene	16.495	284	199410	19.906	ng	99
69) Atrazine	16.666	200	179513	20.006	ng	99
70) Pentachlorophenol	16.848	266	120958	19.128	ng	99
71) Phenanthrene	17.254	178	872890	20.223	ng	99
72) Anthracene	17.342	178	890292	20.198	ng	100
73) Carbazole	17.625	167	843970	20.328	ng	99
74) Di-n-butylphthalate	18.219	149	1046709	20.491	ng	100
75) Fluoranthene	19.342	202	1058912	20.567	ng	99
77) Benzidine	19.525	184	546647	18.799	ng	99
78) Pyrene	19.713	202	1096965	19.807	ng	99
80) Butylbenzylphthalate	20.666	149	504019	20.081	ng	97
81) Benzo(a)anthracene	21.630	228	1118590	19.906	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	432075	20.399	ng	100
83) Chrysene	21.707	228	1063898	20.216	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	744704	20.155	ng	99
85) Di-n-octyl phthalate	22.871	149	1276798	20.091	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	1380331m	19.627	ng	
88) Benzo(b)fluoranthene	23.948	252	1122408	19.855	ng	100
89) Benzo(k)fluoranthene	24.018	252	1150366	20.336	ng	100
90) Benzo(a)pyrene	24.854	252	1102804	20.041	ng	100
91) Dibenzo(a,h)anthracene	28.965	278	1130209	19.672	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1120307	19.840	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

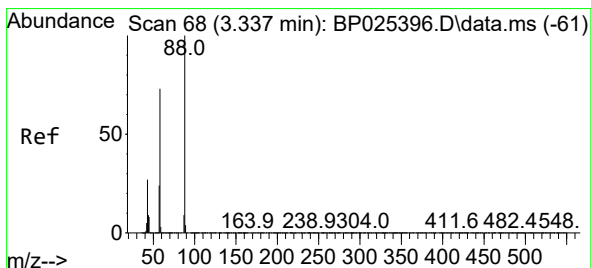
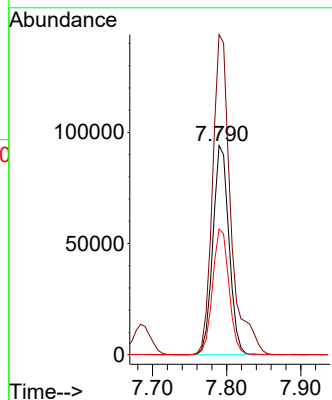
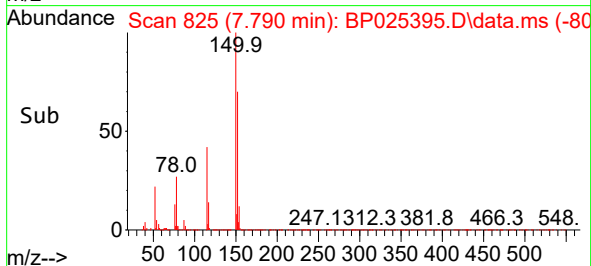
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



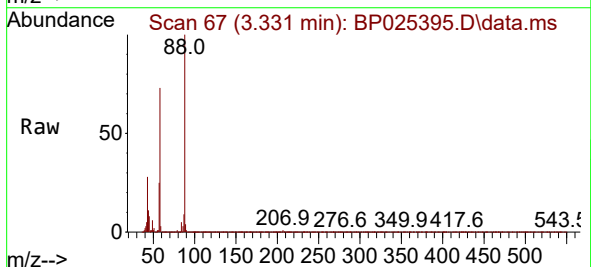
Tgt Ion: 152 Resp: 14172
Ion Ratio Lower Upper
152 100
150 153.0 125.9 188.9
115 60.0 48.5 72.7

Manual Integrations
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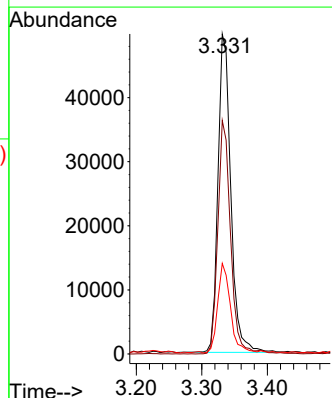
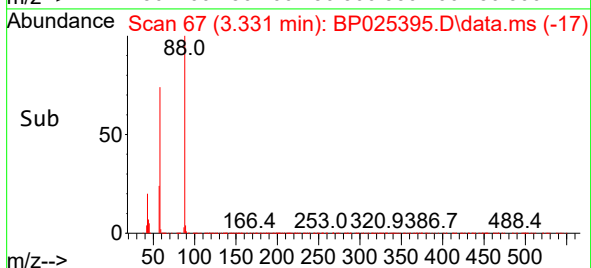
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

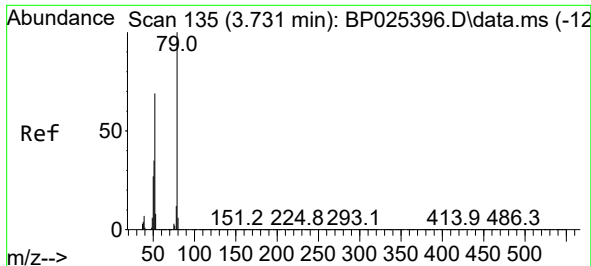


#2
1,4-Dioxane
Concen: 20.126 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



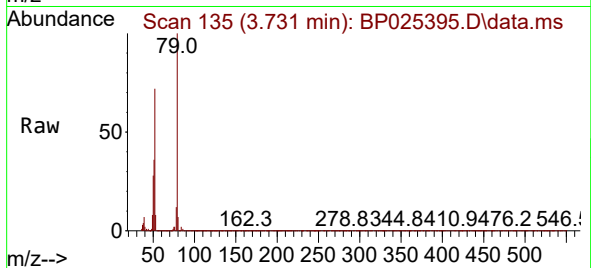
Tgt Ion: 88 Resp: 67276
Ion Ratio Lower Upper
88 100
58 73.2 59.2 88.8
43 27.9 21.7 32.5





#3
Pyridine
Concen: 19.450 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

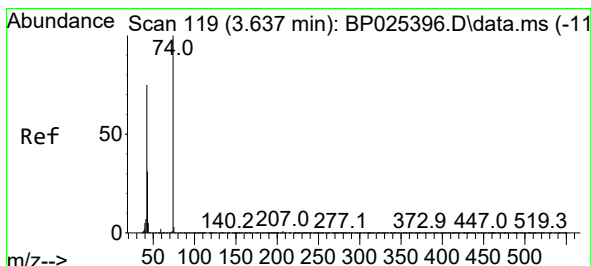
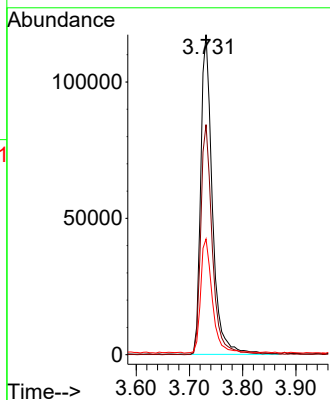
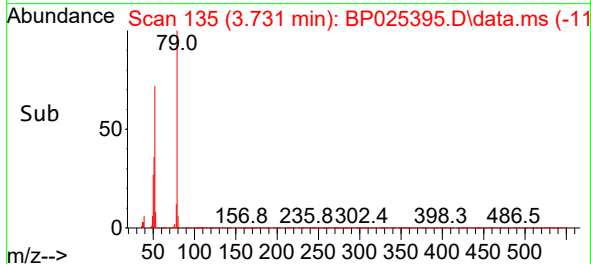
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BNA_P
ClientSampleId :
SSTDICC020



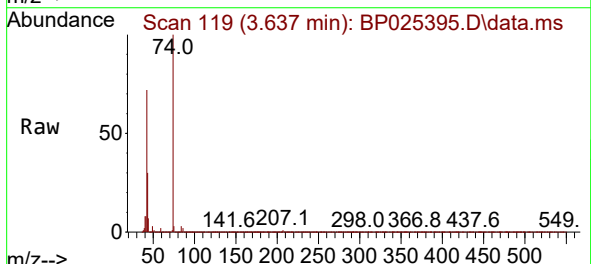
Tgt Ion: 79 Resp: 177948
Ion Ratio Lower Upper
79 100
52 71.9 55.5 83.3
51 36.1 28.3 42.5

Manual Integrations
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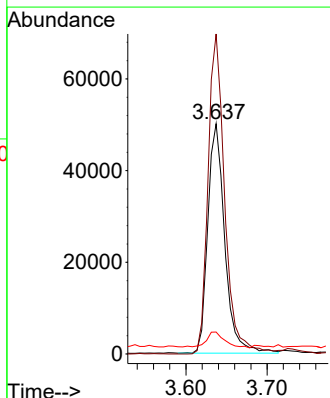
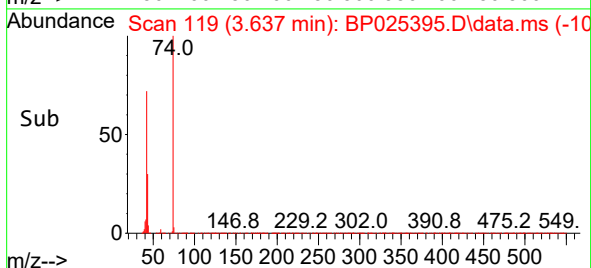
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

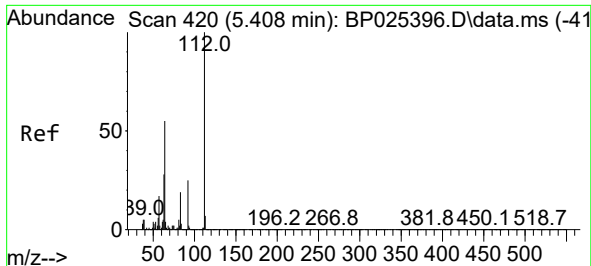


#4
n-Nitrosodimethylamine
Concen: 19.255 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion: 42 Resp: 72627
Ion Ratio Lower Upper
42 100
74 138.9 107.0 160.4
44 9.5 6.2 9.4





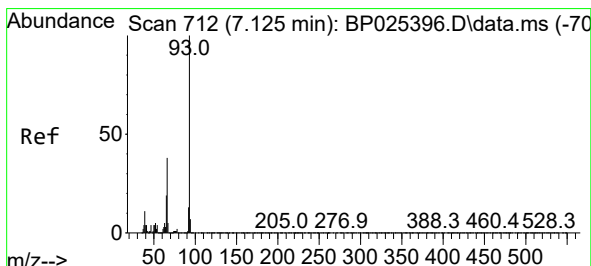
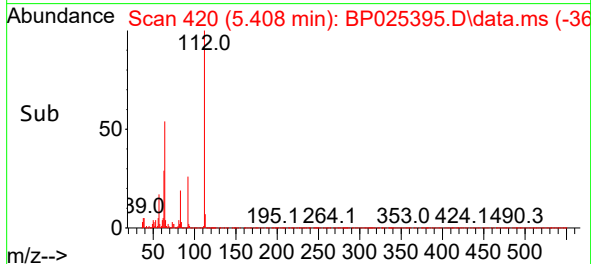
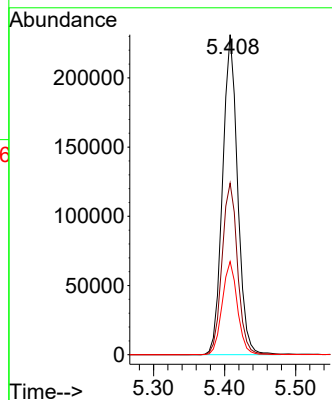
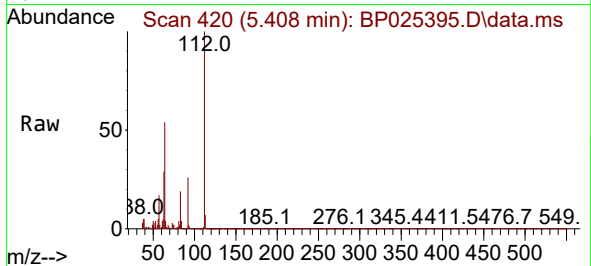
#5
2-Fluorophenol
Concen: 39.674 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 33856
Ion Ratio Lower Upper
112 100
64 53.6 43.8 65.8
63 29.1 22.7 34.1

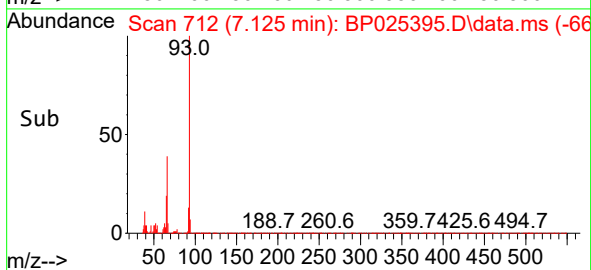
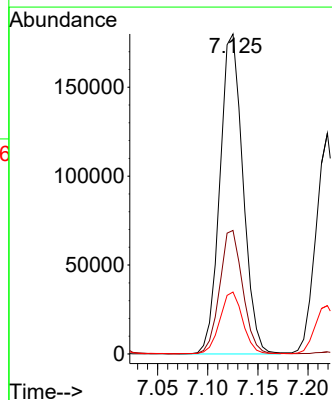
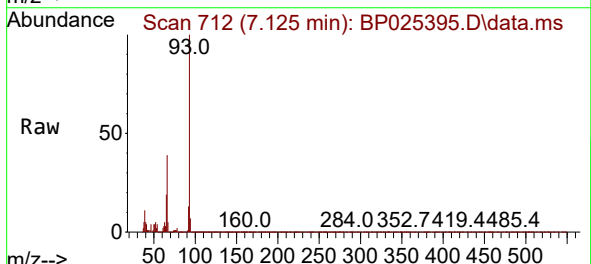
Manual Integrations
APPROVED

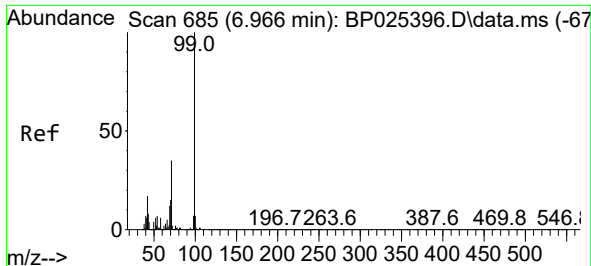
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 19.513 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 287645
Ion Ratio Lower Upper
93 100
66 38.6 30.4 45.6
65 19.4 15.3 22.9





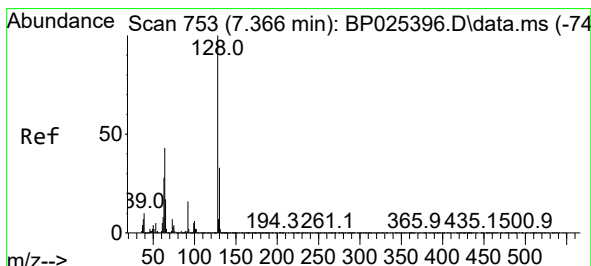
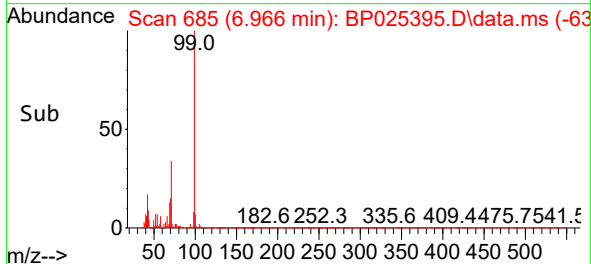
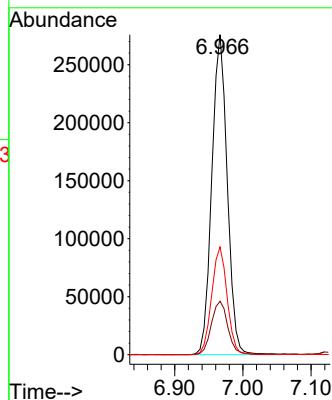
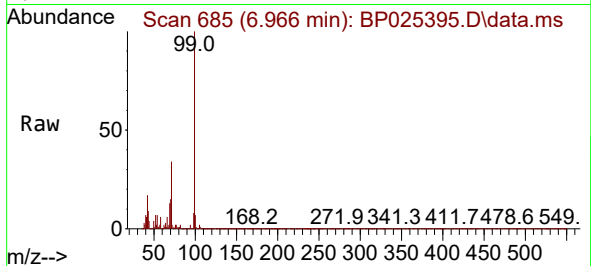
#7
Phenol-d6
Concen: 39.702 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 434388
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 33.7 28.2 42.4

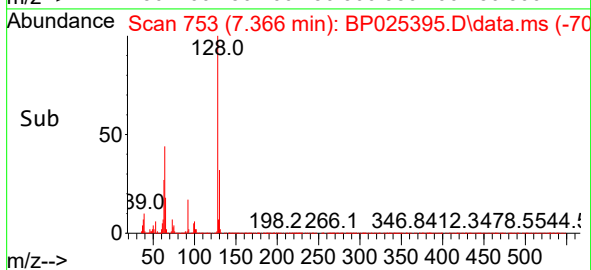
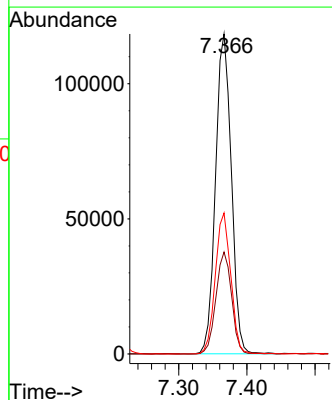
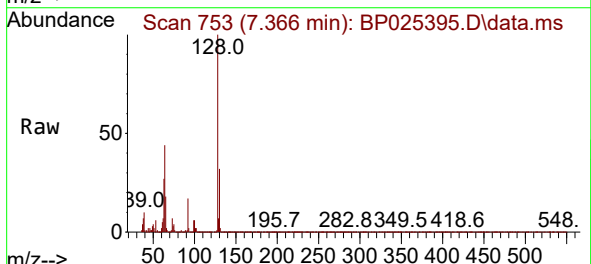
Manual Integrations
APPROVED

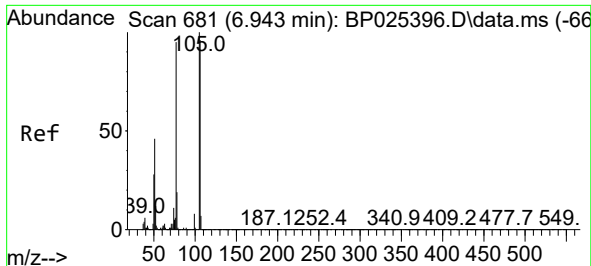
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 19.819 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

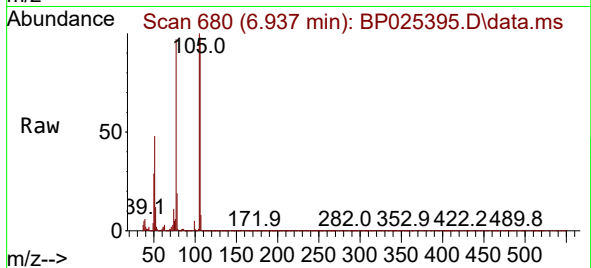
Tgt Ion:128 Resp: 190858
Ion Ratio Lower Upper
128 100
130 31.9 12.6 52.6
64 44.0 23.4 63.4





#9
Benzaldehyde
Concen: 17.672 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

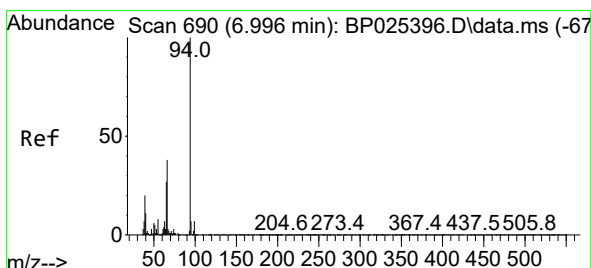
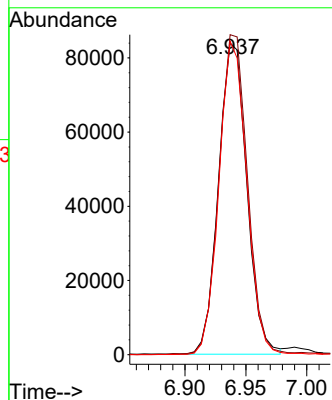
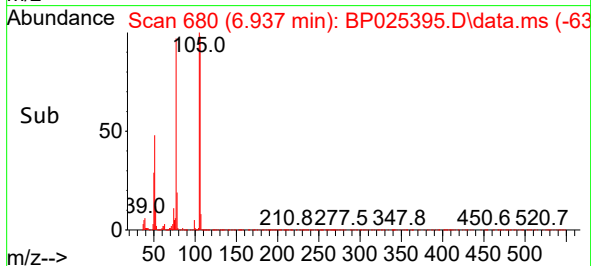
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



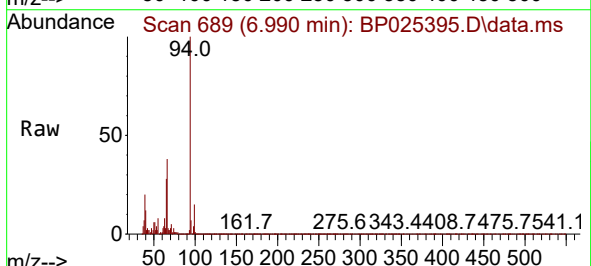
Tgt Ion: 77 Resp: 135464
Ion Ratio Lower Upper
77 100
105 102.7 84.8 124.8
106 100.6 80.5 120.5

Manual Integrations
APPROVED

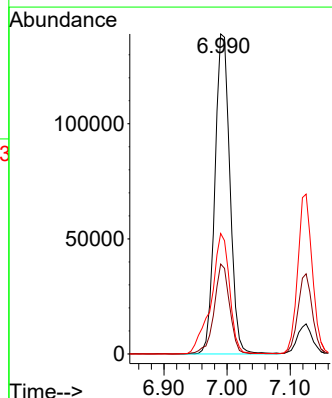
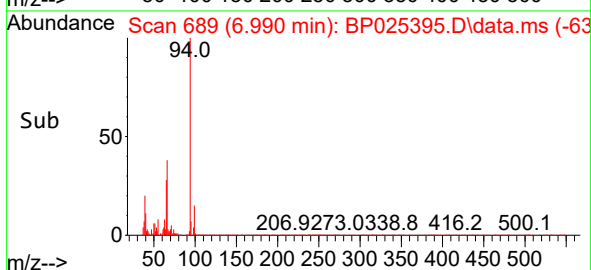
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

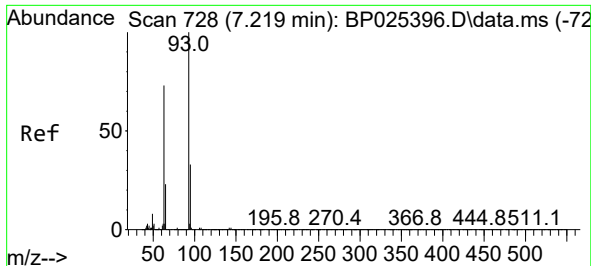


#10
Phenol
Concen: 19.910 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



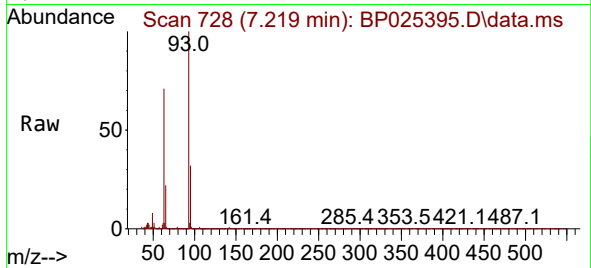
Tgt Ion: 94 Resp: 228580
Ion Ratio Lower Upper
94 100
65 28.1 6.8 46.8
66 37.7 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 20.159 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

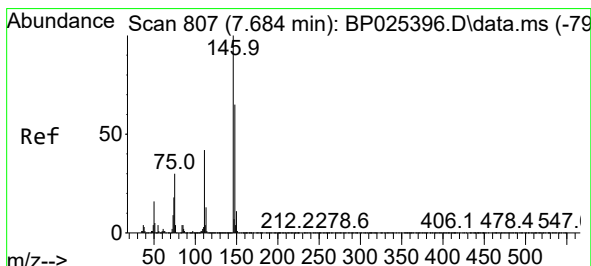
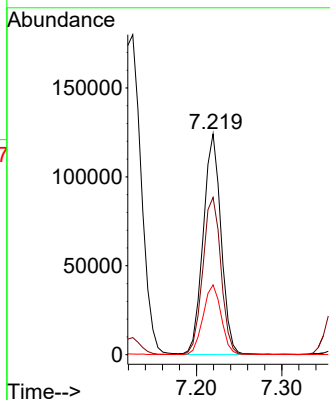
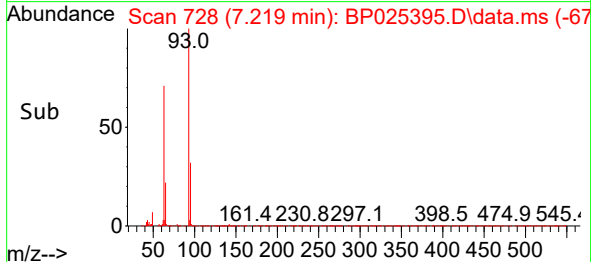
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



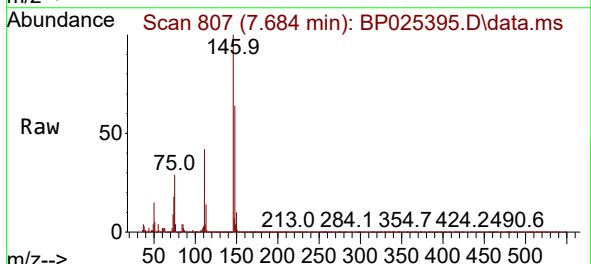
Tgt Ion: 93 Resp: 180390
Ion Ratio Lower Upper
93 100
63 71.2 52.6 92.6
95 31.6 12.7 52.7

Manual Integrations
APPROVED

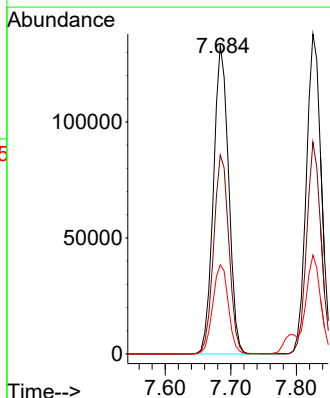
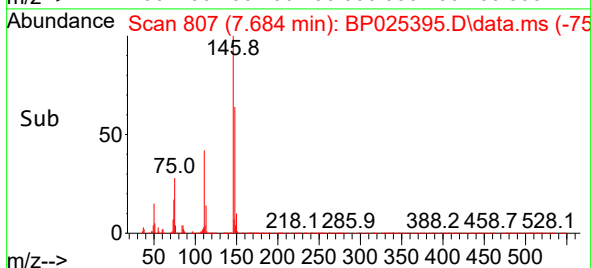
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

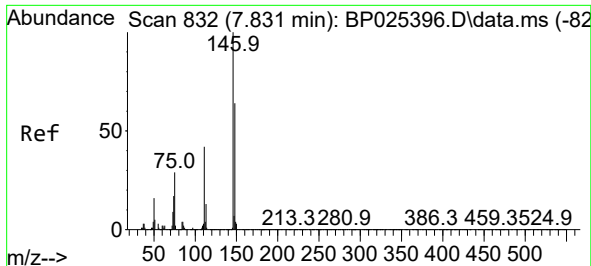


#12
1,3-Dichlorobenzene
Concen: 20.061 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



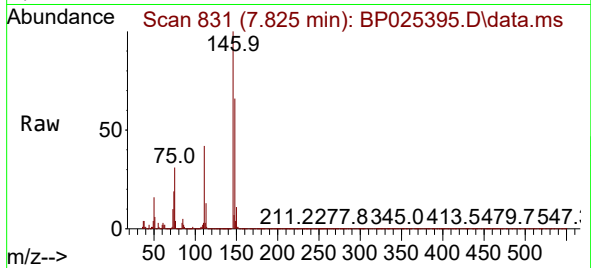
Tgt Ion:146 Resp: 213023
Ion Ratio Lower Upper
146 100
148 64.4 51.9 77.9
75 28.9 23.7 35.5





#13
1,4-Dichlorobenzene
Concen: 19.938 ng
RT: 7.825 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

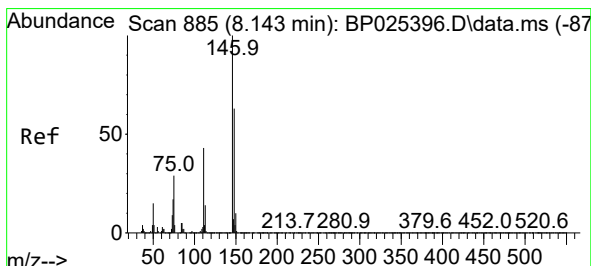
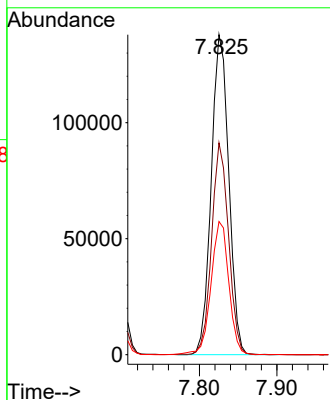
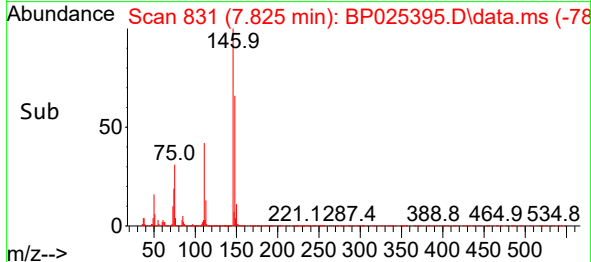
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



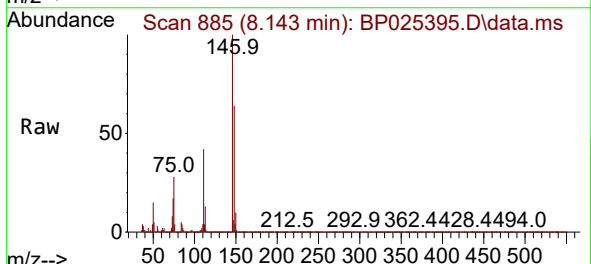
Tgt Ion:146 Resp: 216400
Ion Ratio Lower Upper
146 100
148 66.2 51.6 77.4
111 41.6 33.4 50.0

Manual Integrations
APPROVED

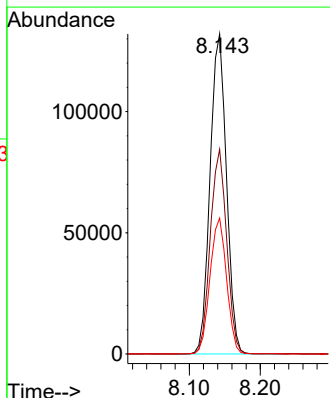
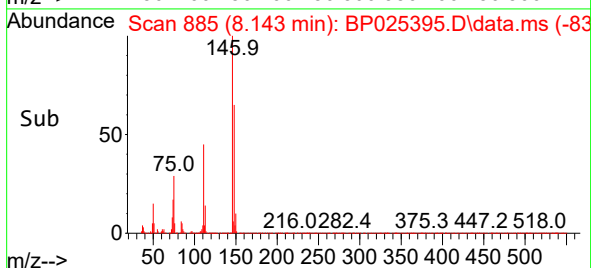
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

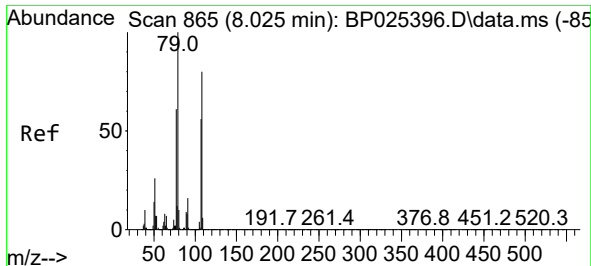


#14
1,2-Dichlorobenzene
Concen: 20.106 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



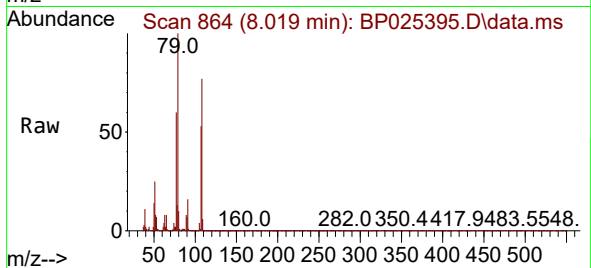
Tgt Ion:146 Resp: 211243
Ion Ratio Lower Upper
146 100
148 64.0 50.4 75.6
111 42.4 34.5 51.7





#15
Benzyl Alcohol
Concen: 19.640 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

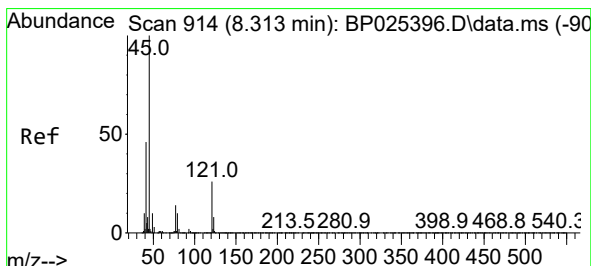
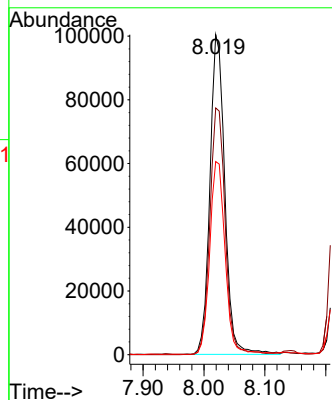
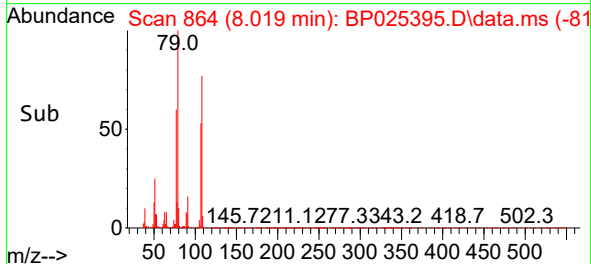
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



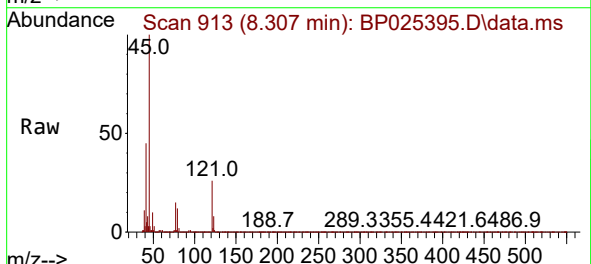
Tgt Ion: 79 Resp: 170730
Ion Ratio Lower Upper
79 100
108 77.1 63.8 95.6
77 60.3 49.0 73.4

Manual Integrations
APPROVED

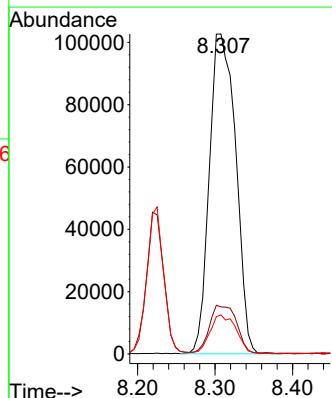
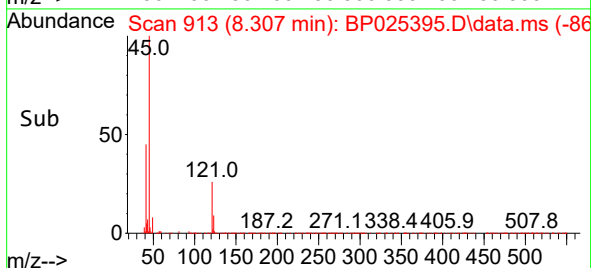
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

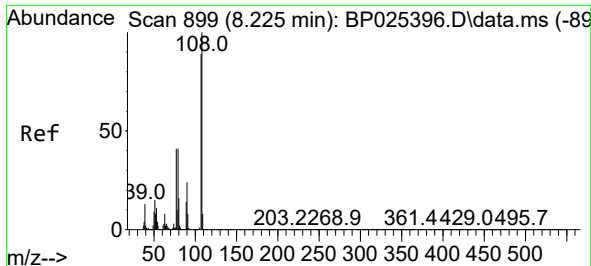


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.240 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



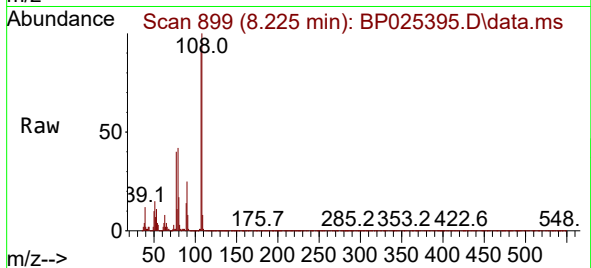
Tgt Ion: 45 Resp: 242616
Ion Ratio Lower Upper
45 100
77 14.7 0.0 35.3
79 12.2 0.0 31.8





#17
2-Methylphenol
Concen: 19.956 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

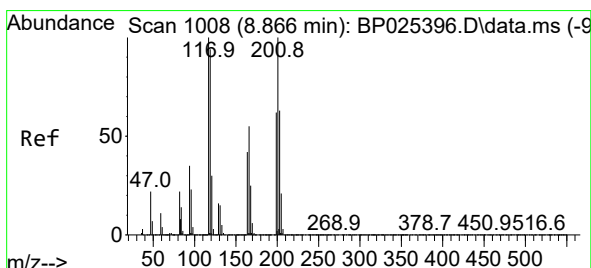
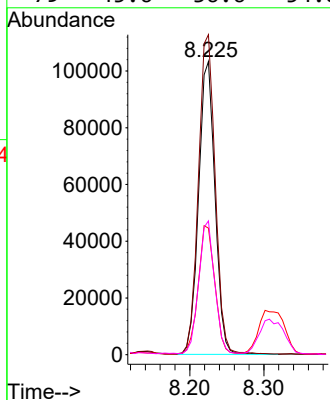
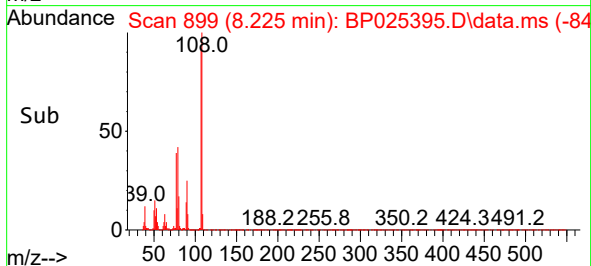
Instrument :
BNA_P
Client Sample Id :
SSTDICC020



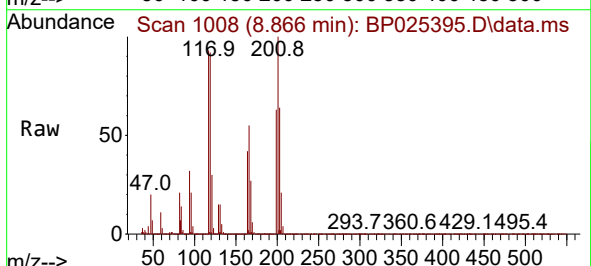
Tgt Ion:	107	Resp:	159119
Ion Ratio	Lower	Upper	
107	100		
108	109.2	89.4	134.0
77	43.2	36.3	54.5
79	45.6	36.6	54.8

Manual Integrations
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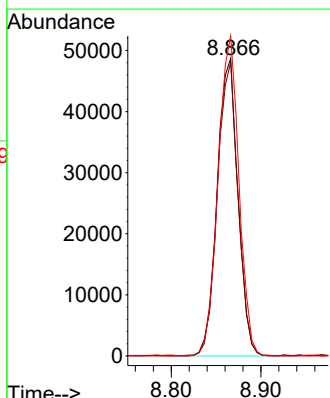
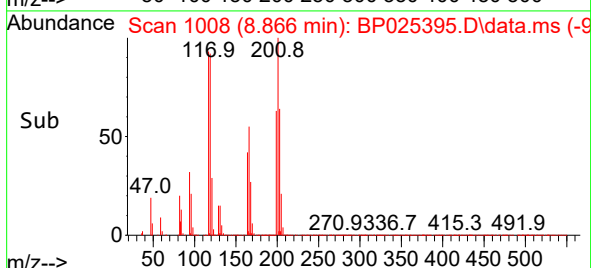
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

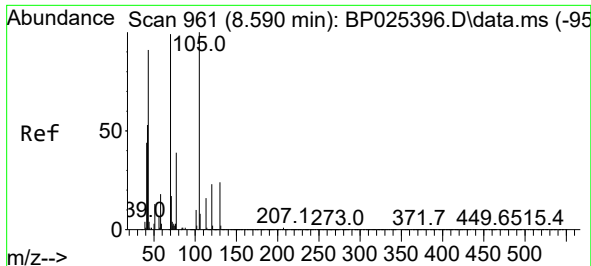


#18
Hexachloroethane
Concen: 19.597 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



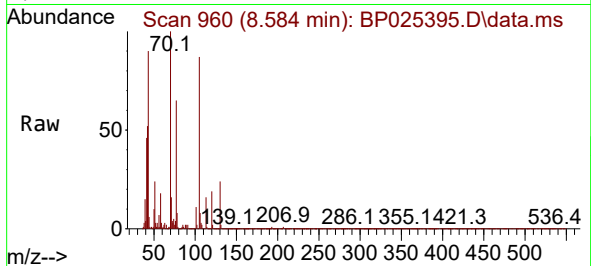
Tgt Ion:	117	Resp:	78205
Ion Ratio	Lower	Upper	
117	100		
119	98.8	75.1	112.7
201	107.5	80.1	120.1





#19
n-Nitroso-di-n-propylamine
Concen: 20.633 ng
RT: 8.584 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

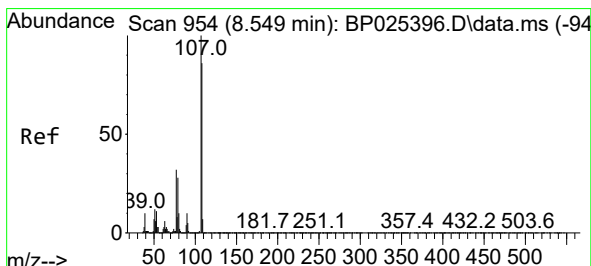
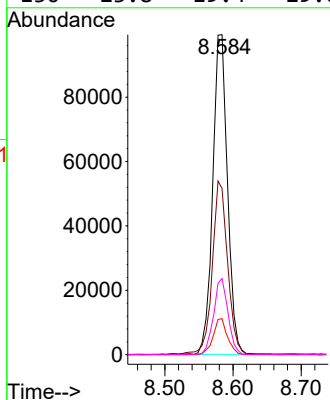
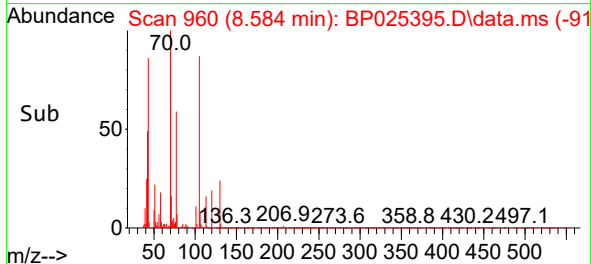
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



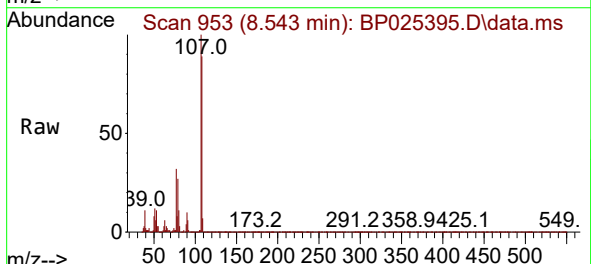
Tgt Ion: 70 Resp: 14971
Ion Ratio Lower Upper
70 100
42 52.0 43.8 65.6
101 11.3 8.5 12.7
130 23.8 19.4 29.0

Manual Integrations
APPROVED

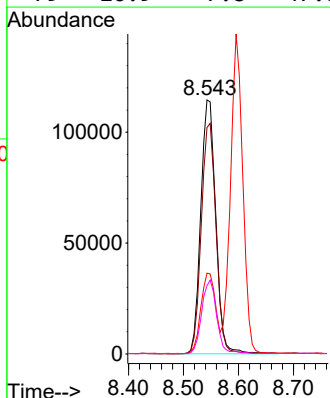
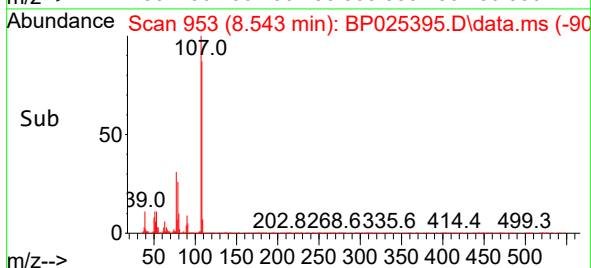
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

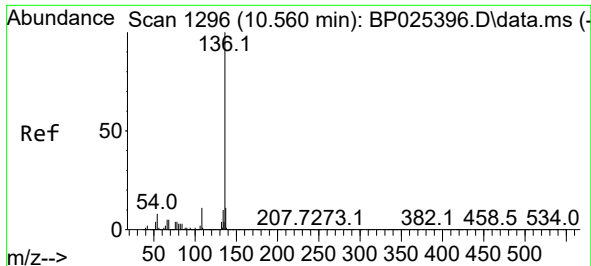


#20
3+4-Methylphenols
Concen: 19.655 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



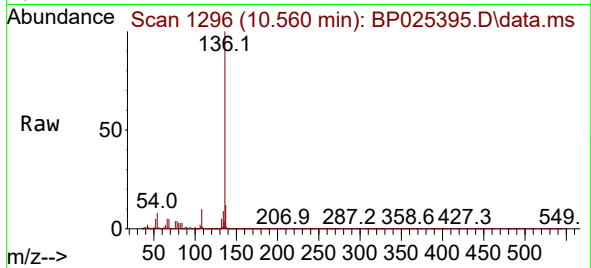
Tgt Ion:107 Resp: 217240
Ion Ratio Lower Upper
107 100
108 89.1 66.3 106.3
77 31.8 12.3 52.3
79 26.9 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

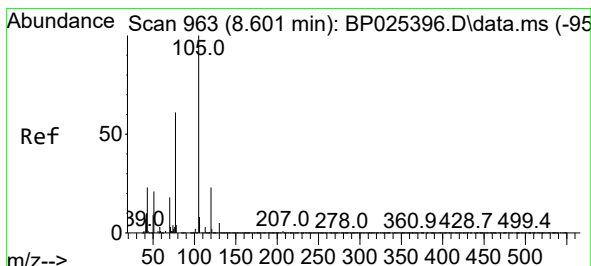
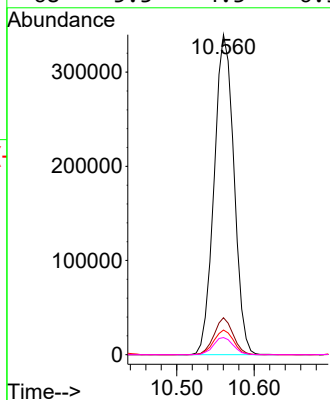
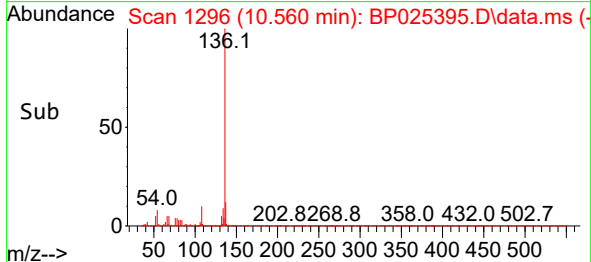
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



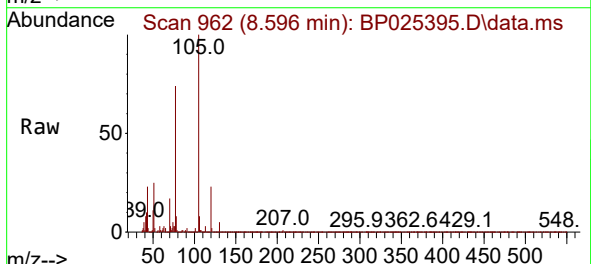
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.7	6.0	9.0
68	5.3	4.3	6.5

Manual Integrations
APPROVED

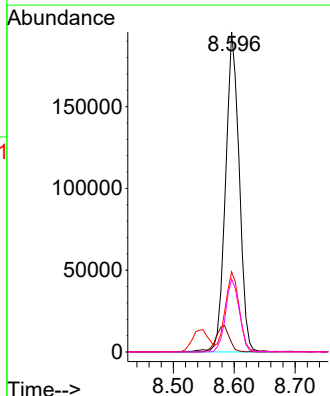
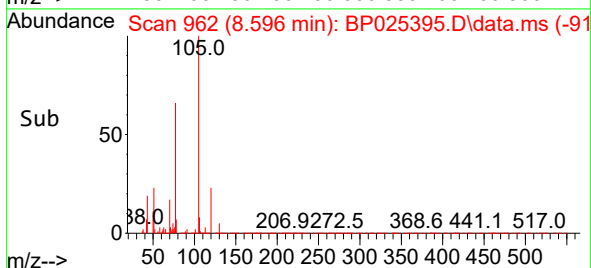
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

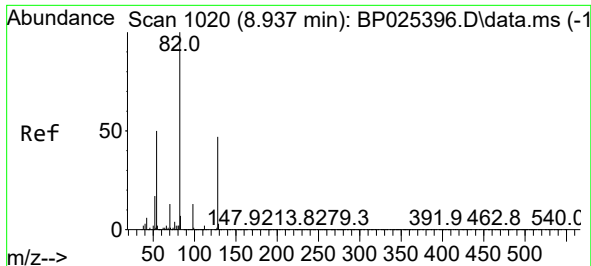


#22
Acetophenone
Concen: 20.196 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



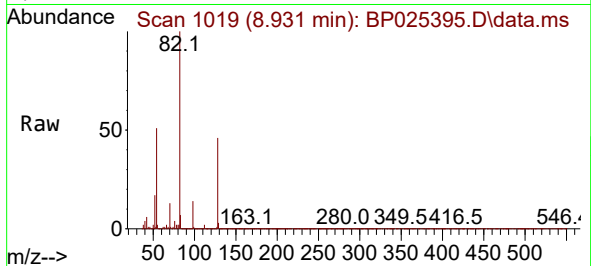
Tgt Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.6	4.0
51	25.0	20.6	30.8
120	22.8	18.6	27.8





#23
Nitrobenzene-d5
Concen: 39.706 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

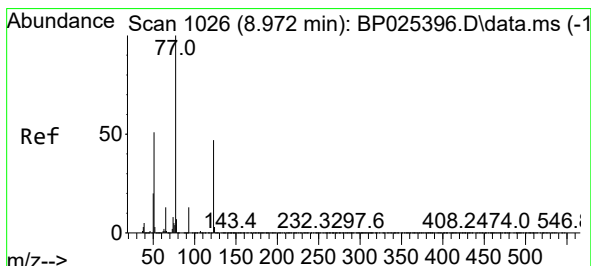
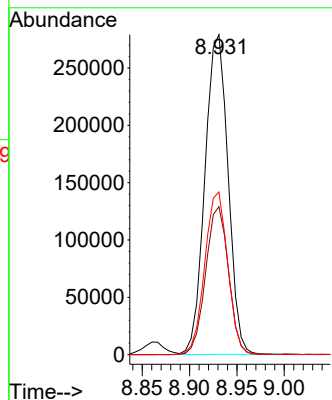
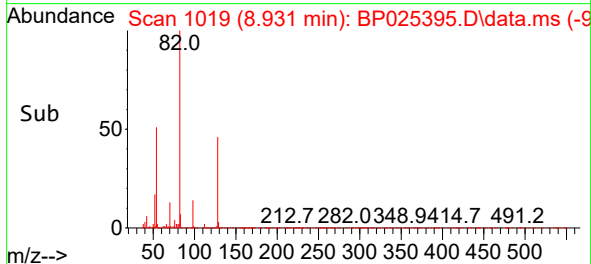
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



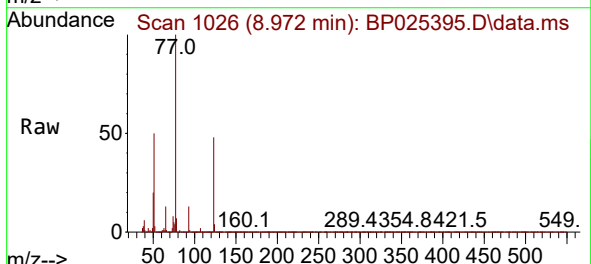
Tgt Ion: 82 Resp: 47393
Ion Ratio Lower Upper
82 100
128 46.3 37.7 56.5
54 50.8 39.8 59.6

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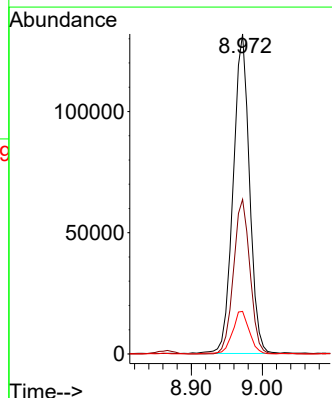
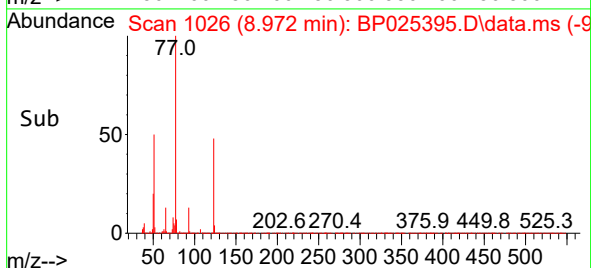
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

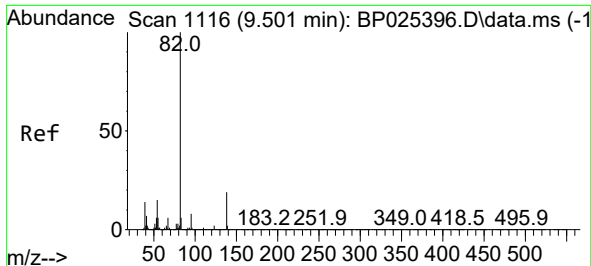


#24
Nitrobenzene
Concen: 19.708 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion: 77 Resp: 210234
Ion Ratio Lower Upper
77 100
123 48.3 38.6 58.0
65 13.3 10.6 15.8





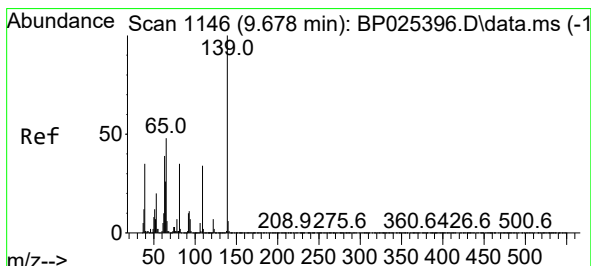
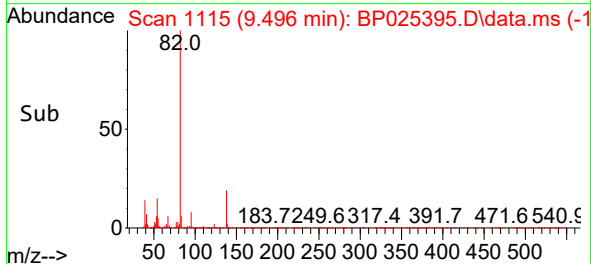
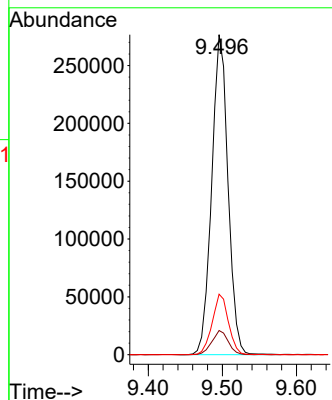
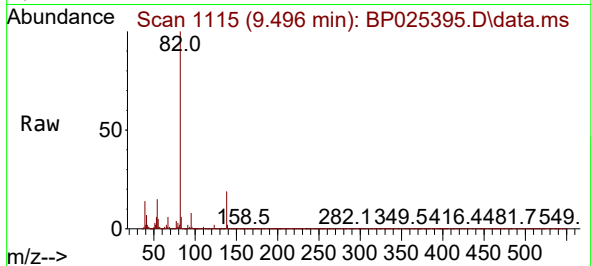
#25
Isophorone
Concen: 19.995 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 422370
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 18.9 15.4 23.0

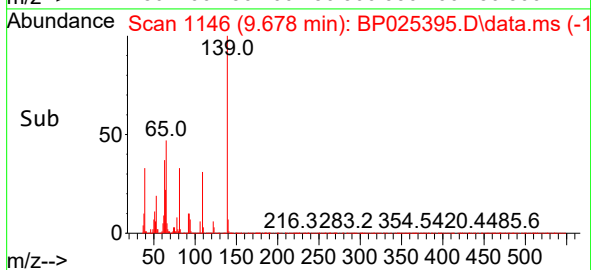
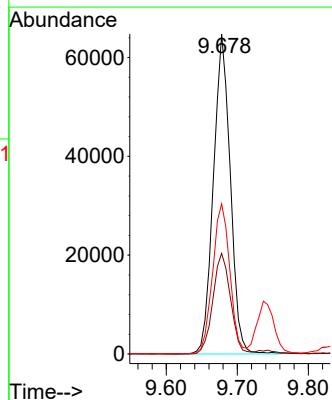
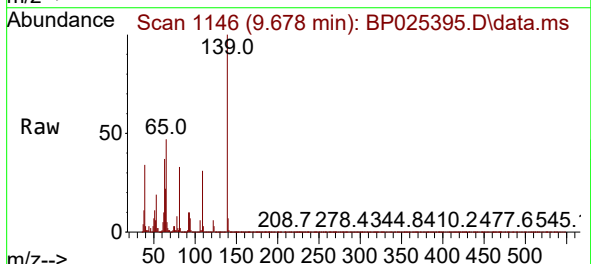
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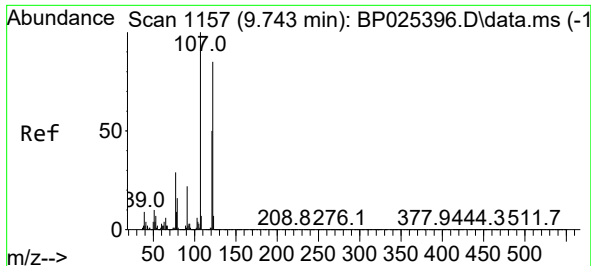
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#26
2-Nitrophenol
Concen: 19.509 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

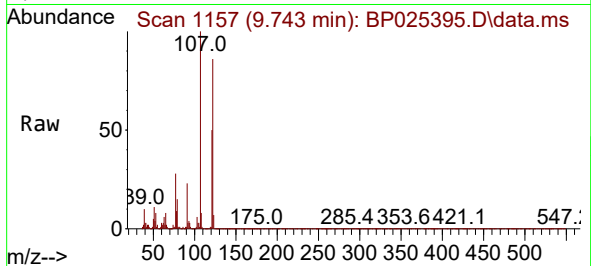
Tgt Ion:139 Resp: 106805
Ion Ratio Lower Upper
139 100
109 31.5 26.9 40.3
65 46.9 38.3 57.5





#27
2,4-Dimethylphenol
Concen: 18.963 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

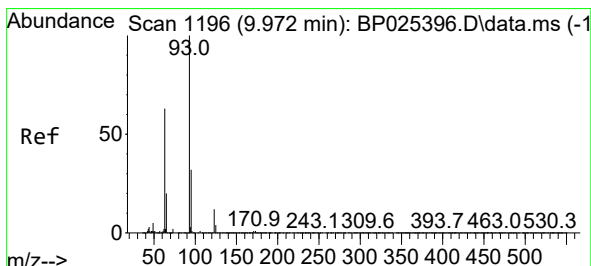
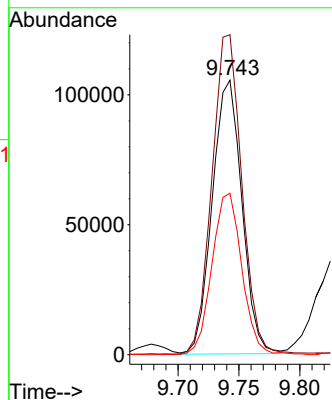
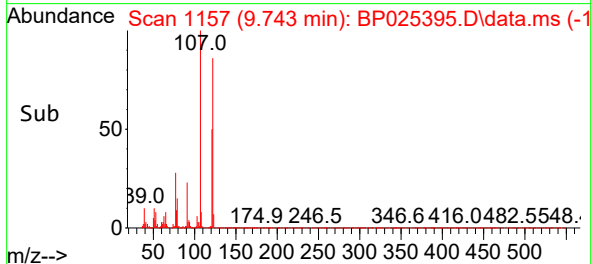
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



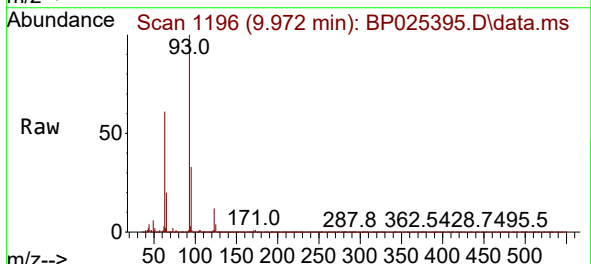
Tgt Ion:122 Resp: 178534
Ion Ratio Lower Upper
122 100
107 116.5 93.7 140.5
121 58.8 46.6 69.8

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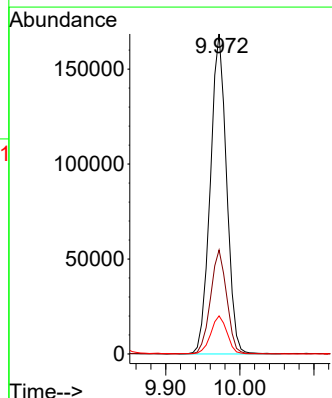
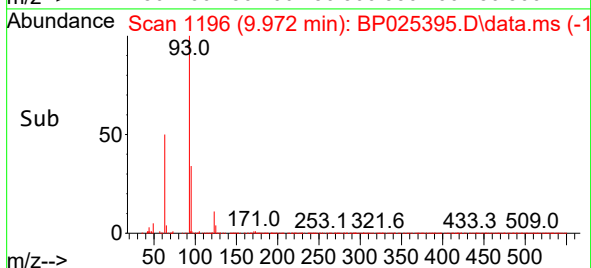
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

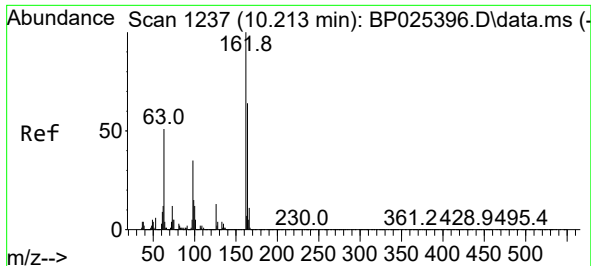


#28
bis(2-Chloroethoxy)methane
Concen: 20.100 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



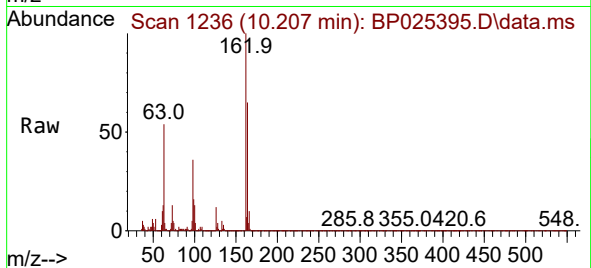
Tgt Ion: 93 Resp: 256656
Ion Ratio Lower Upper
93 100
95 32.5 25.4 38.0
123 11.9 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 19.896 ng
RT: 10.207 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

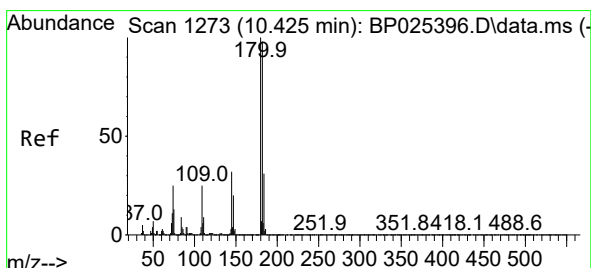
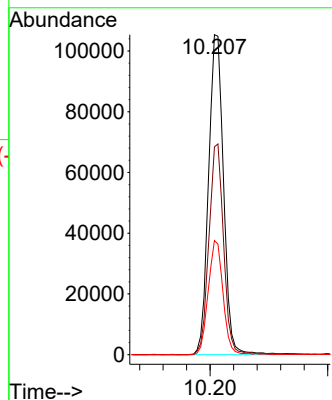
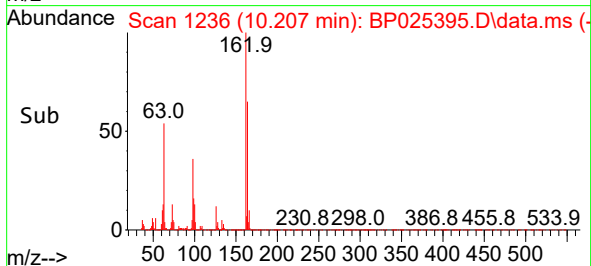
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



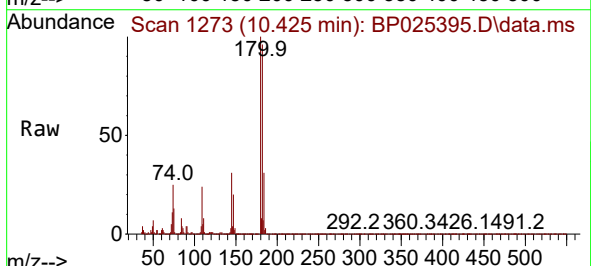
Tgt Ion:162 Resp: 186070
Ion Ratio Lower Upper
162 100
164 64.9 44.4 84.4
98 35.7 14.9 54.9

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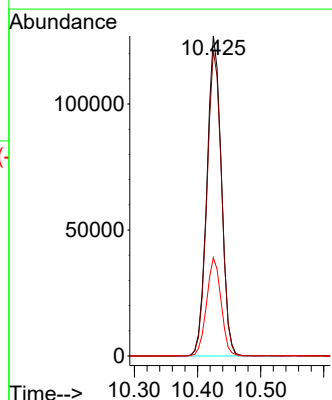
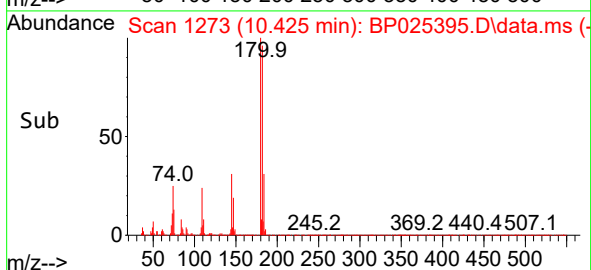
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

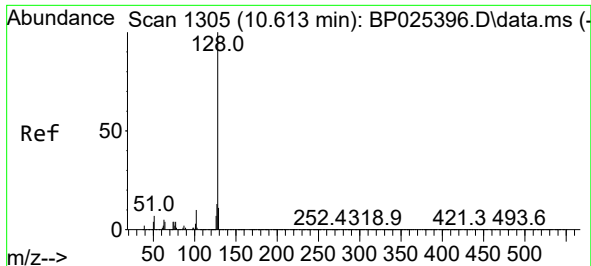


#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



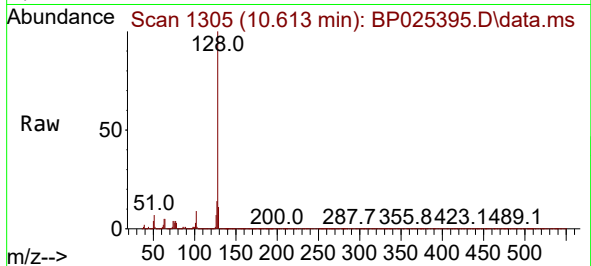
Tgt Ion:180 Resp: 201995
Ion Ratio Lower Upper
180 100
182 95.6 78.0 117.0
145 30.7 25.9 38.9





#31
Naphthalene
Concen: 19.944 ng
RT: 10.613 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

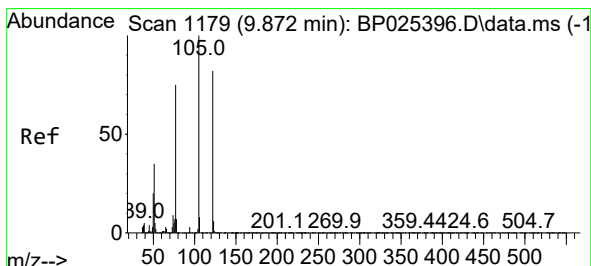
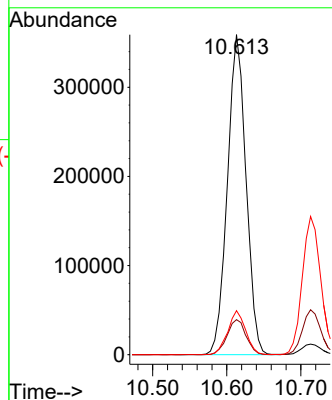
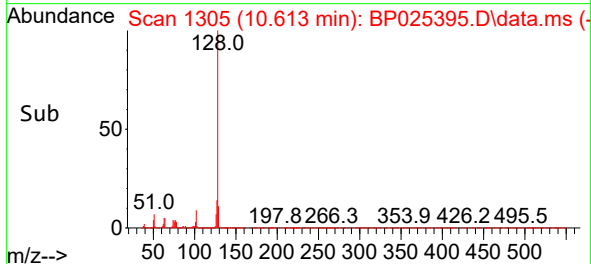
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



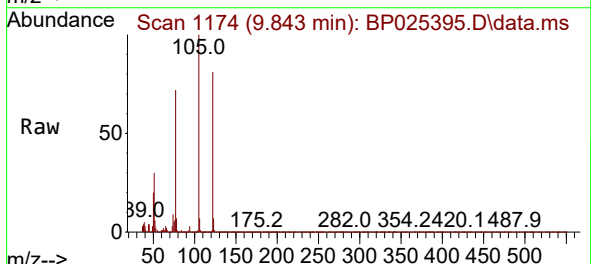
Tgt Ion:128 Resp: 62589
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.7 10.7 16.1

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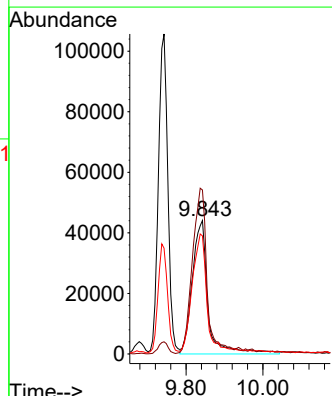
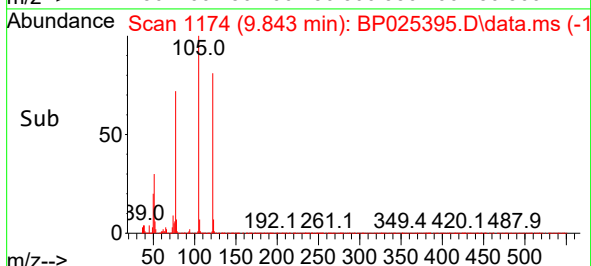
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

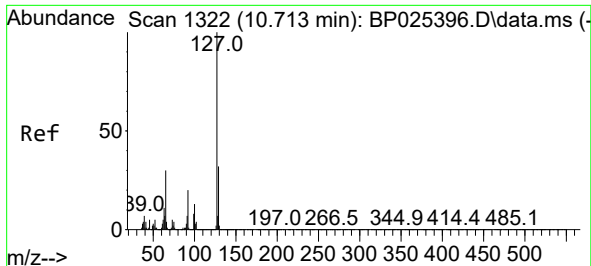


#32
Benzoic acid
Concen: 18.004 ng m
RT: 9.843 min Scan# 1174
Delta R.T. -0.029 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



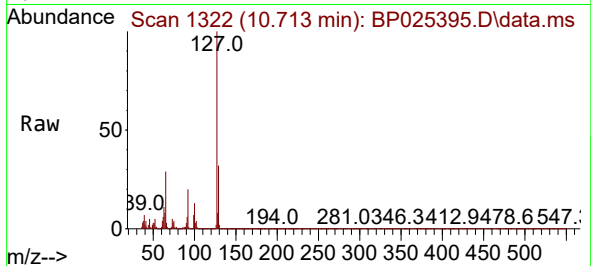
Tgt Ion:122 Resp: 124836
Ion Ratio Lower Upper
122 100
105 122.9 100.6 140.6
77 88.5 71.5 111.5





#33
4-Chloroaniline
Concen: 19.489 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

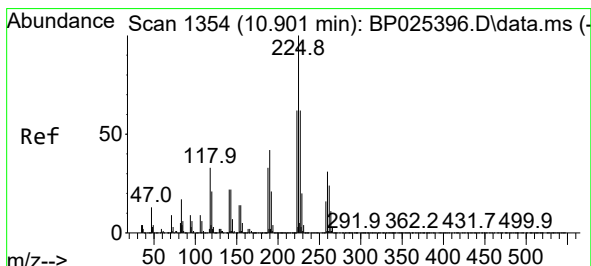
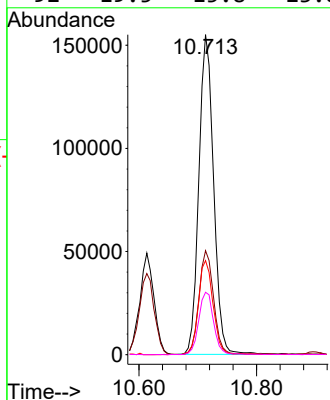
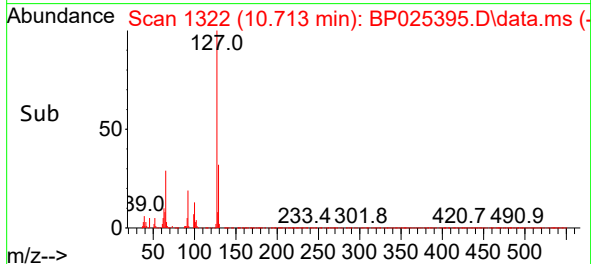
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	29.4	23.8	35.6
92	19.5	15.8	23.8

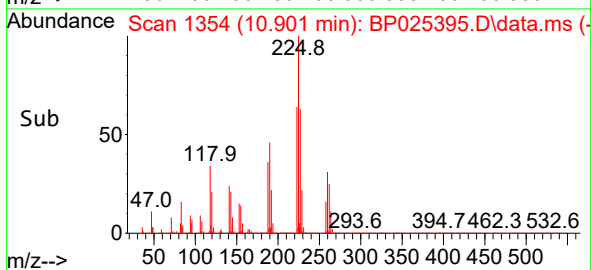
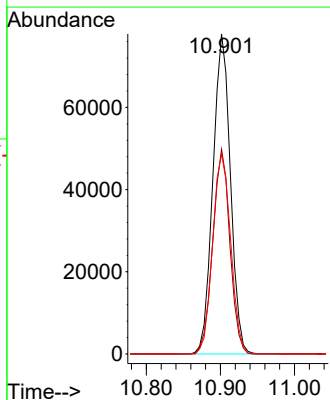
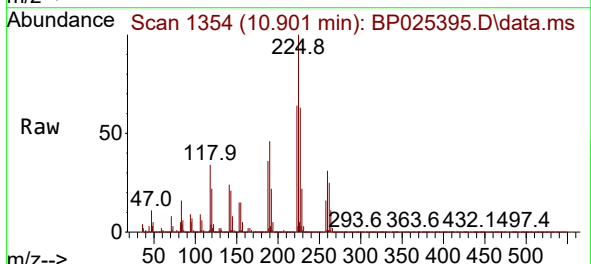
Manual Integrations
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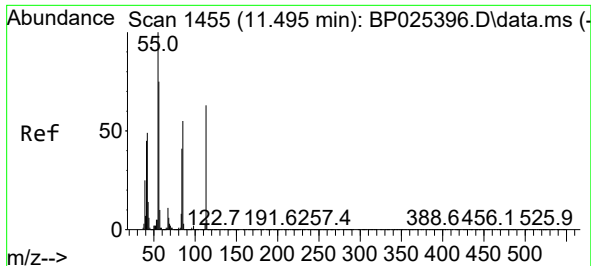
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#34
Hexachlorobutadiene
Concen: 19.983 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

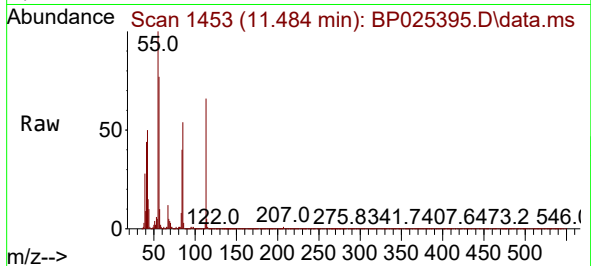
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	62.5	49.7	74.5





#35
Caprolactam
Concen: 19.294 ng
RT: 11.484 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

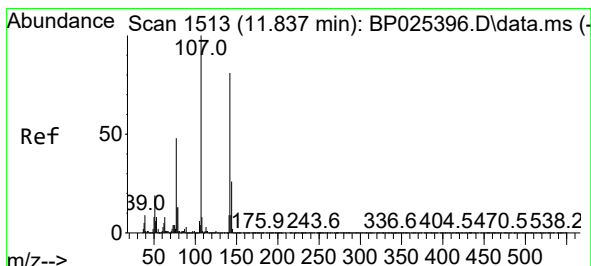
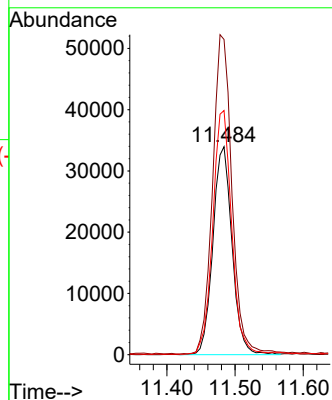
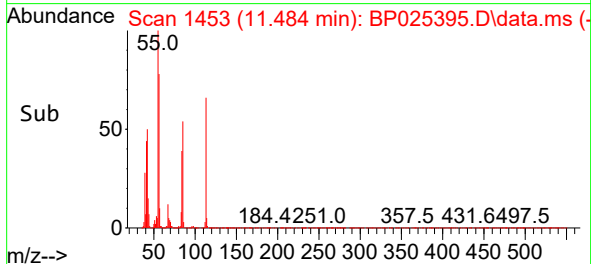
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 66168
Ion Ratio Lower Upper
113 100
55 151.5 140.0 180.0
56 117.4 100.0 140.0

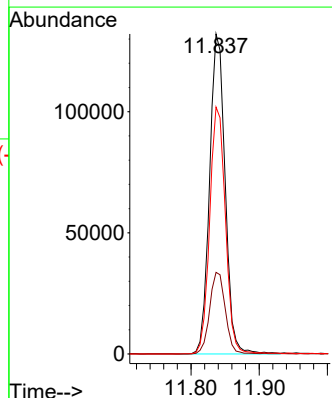
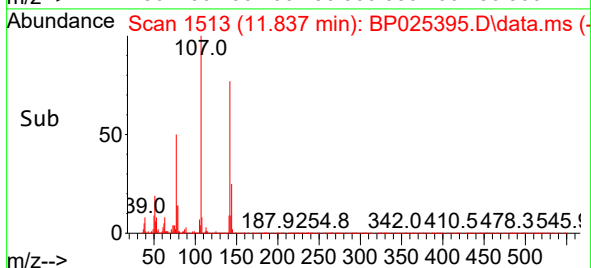
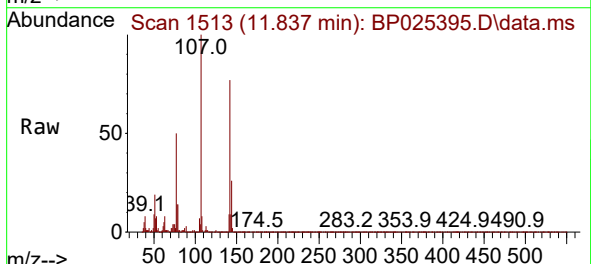
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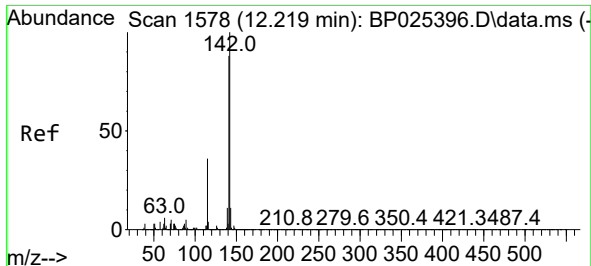
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#36
4-Chloro-3-methylphenol
Concen: 19.551 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

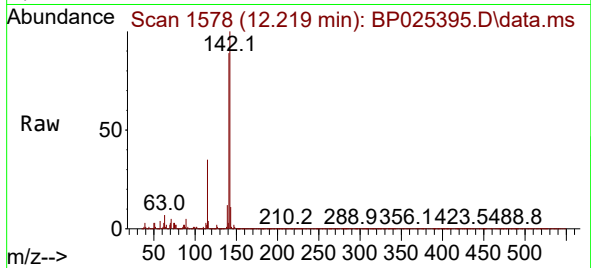
Tgt Ion:107 Resp: 209817
Ion Ratio Lower Upper
107 100
144 25.5 21.0 31.4
142 77.1 64.6 97.0





#37
2-Methylnaphthalene
Concen: 20.057 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

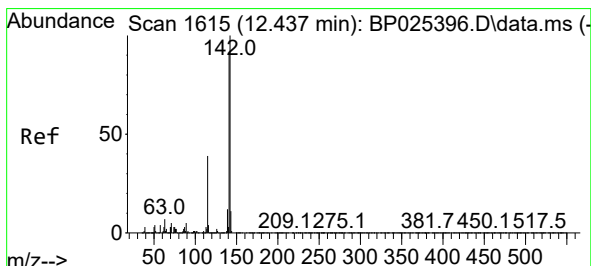
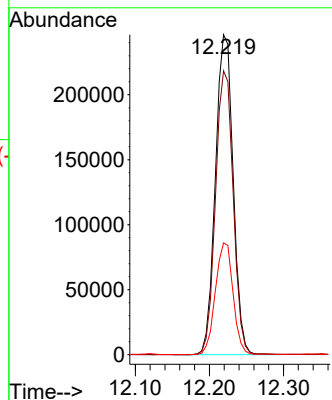
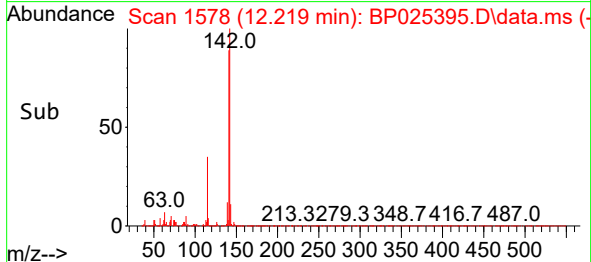
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



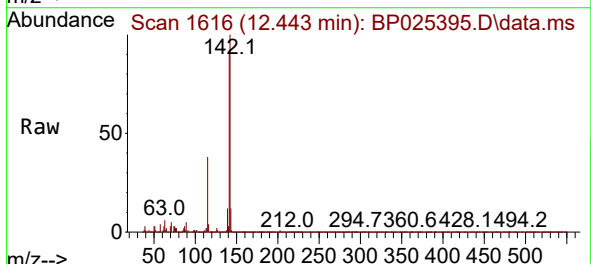
Tgt Ion:142 Resp: 409611
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5
115 35.0 28.9 43.3

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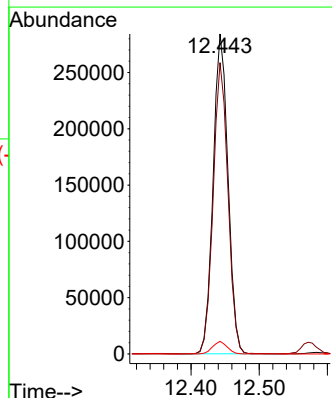
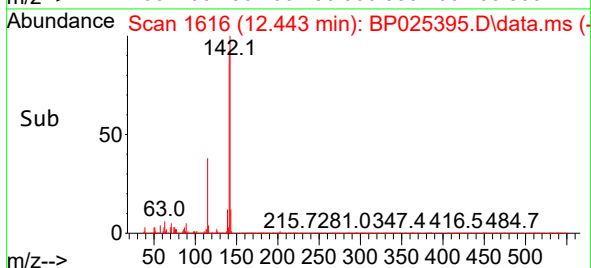
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

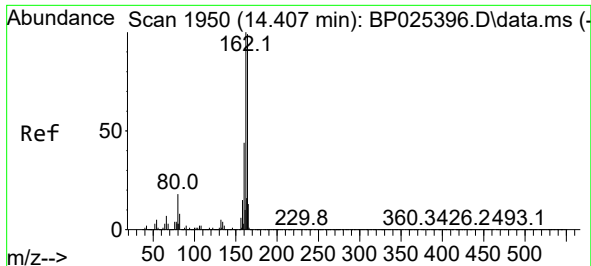


#38
1-Methylnaphthalene
Concen: 19.829 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



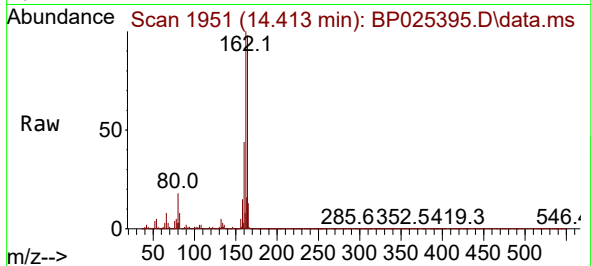
Tgt Ion:142 Resp: 430666
Ion Ratio Lower Upper
142 100
141 91.1 73.1 109.7
116 3.9 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

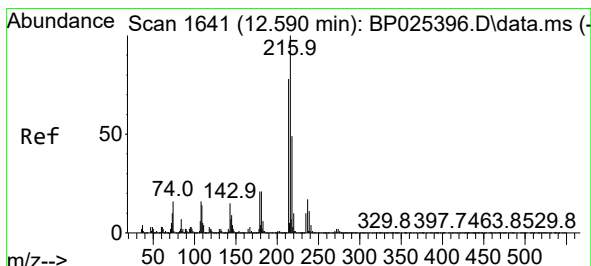
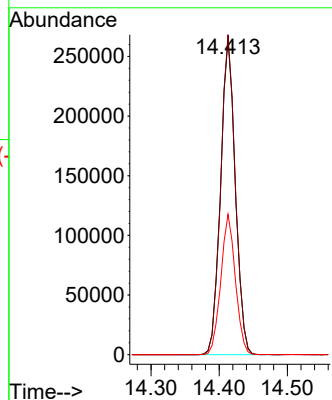
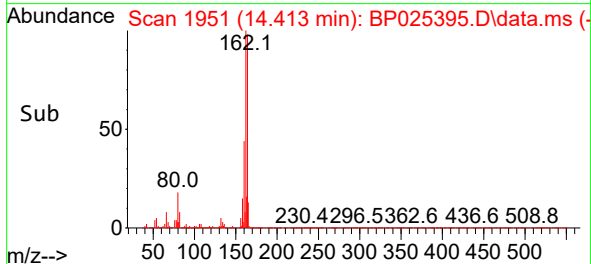
Instrument :
BNA_P
Client Sample Id :
SSTDICC020



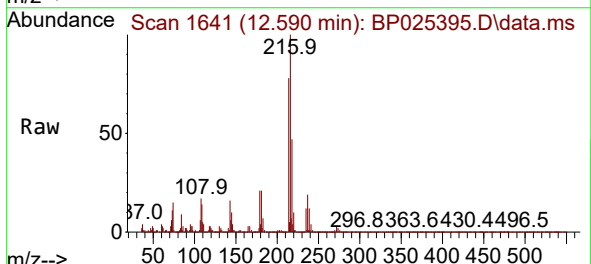
Tgt Ion:164 Resp: 399034
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.6
160 44.6 35.4 53.2

Manual Integrations
APPROVED

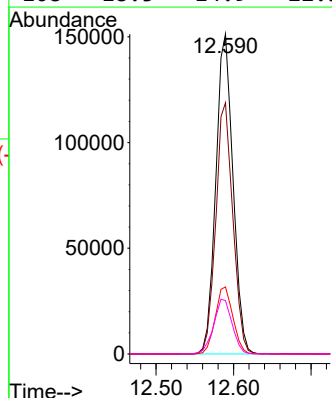
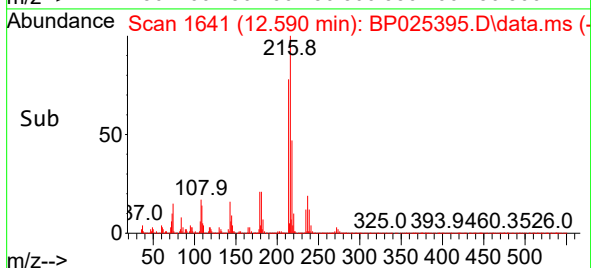
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

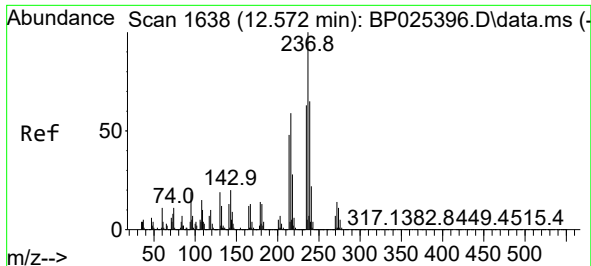


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.263 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



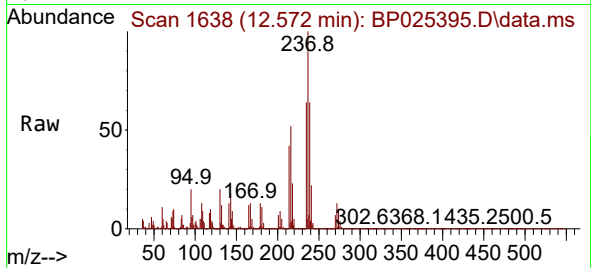
Tgt Ion:216 Resp: 233523
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.4
179 21.6 17.1 25.7
108 18.5 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 17.922 ng
RT: 12.572 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

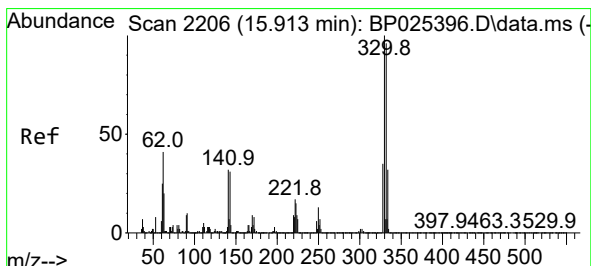
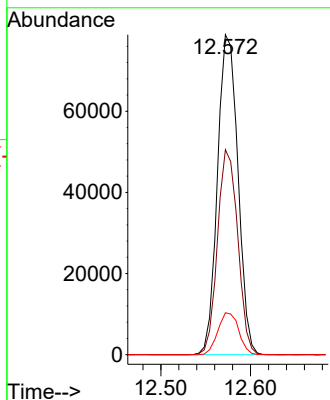
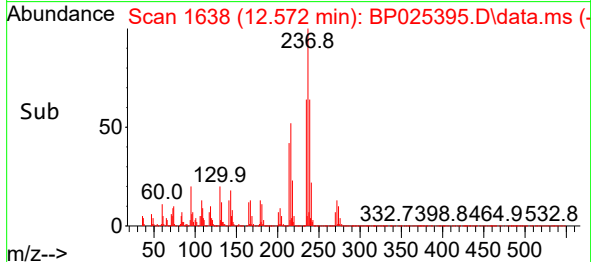
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



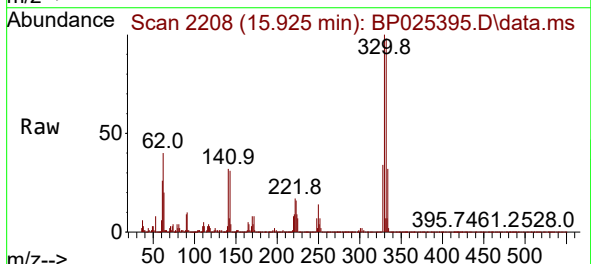
Tgt Ion: 237 Resp: 124759
Ion Ratio Lower Upper
237 100
235 64.0 42.7 82.7
272 13.1 0.0 34.0

Manual Integrations
APPROVED

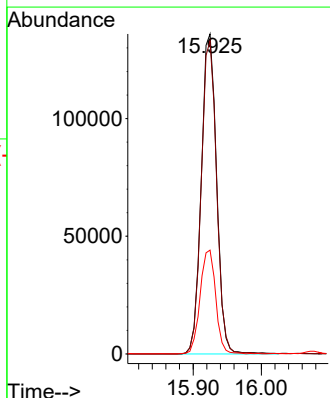
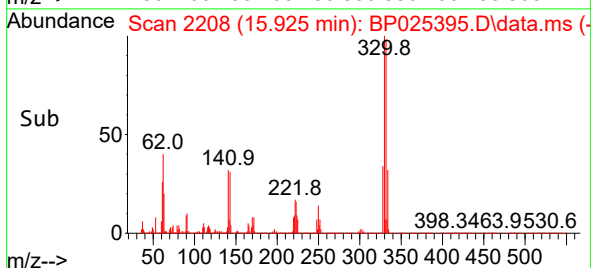
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

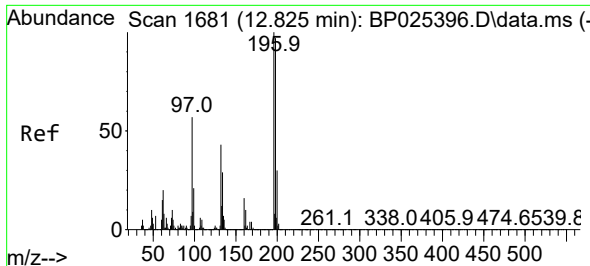


#42
2,4,6-Tribromophenol
Concen: 39.651 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



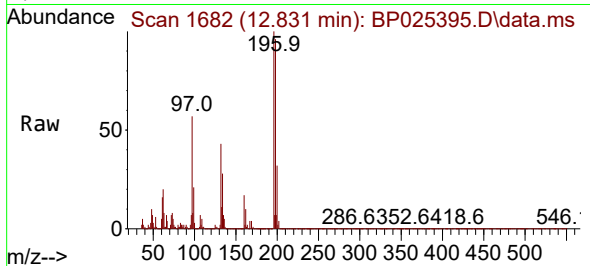
Tgt Ion: 330 Resp: 212968
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 32.8 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 19.540 ng
RT: 12.831 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

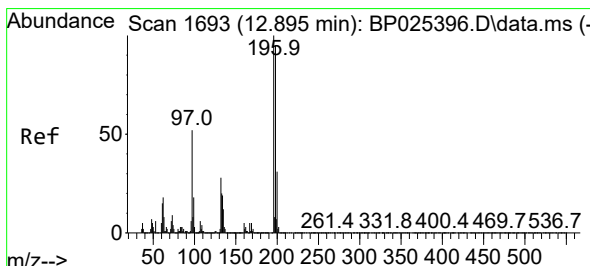
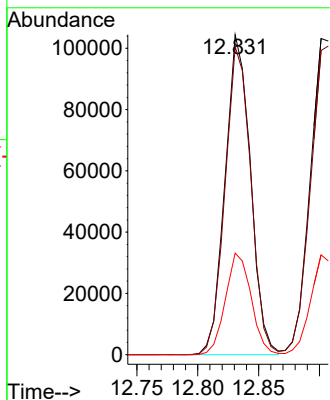
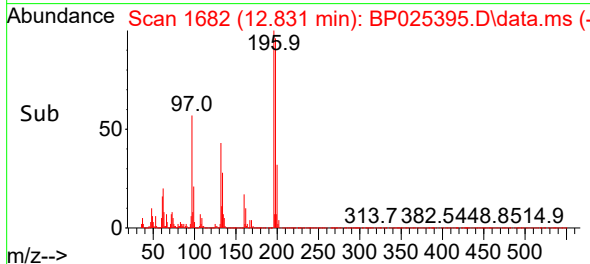
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



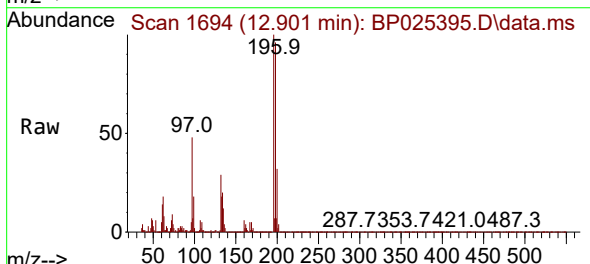
Tgt Ion:196 Resp: 15203
Ion Ratio Lower Upper
196 100
198 96.3 77.2 115.8
200 31.8 23.9 35.9

Manual Integrations
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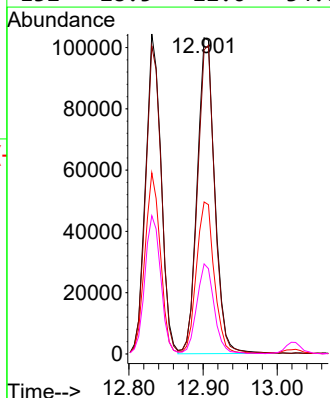
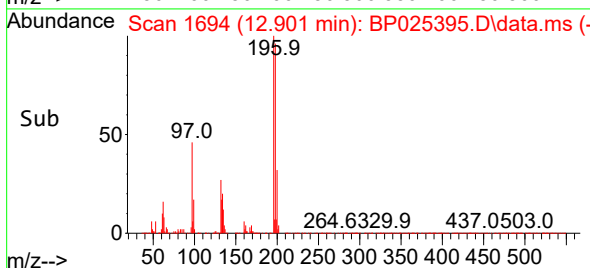
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

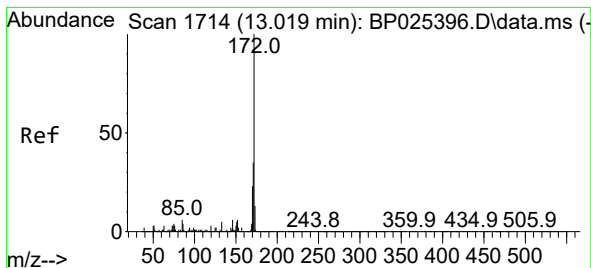


#44
2,4,5-Trichlorophenol
Concen: 19.842 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



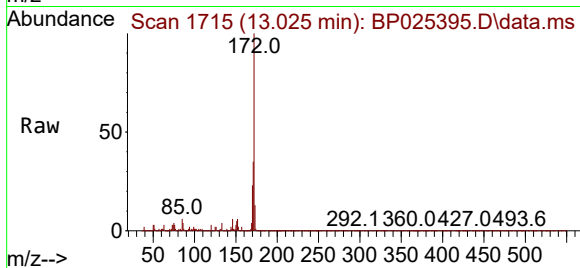
Tgt Ion:196 Resp: 169197
Ion Ratio Lower Upper
196 100
198 96.2 76.2 114.2
97 48.1 41.2 61.8
132 28.5 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 41.205 ng
RT: 13.025 min Scan# 1714
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

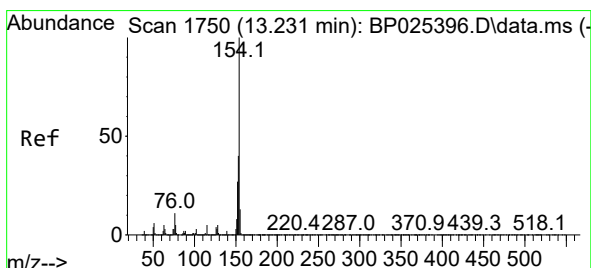
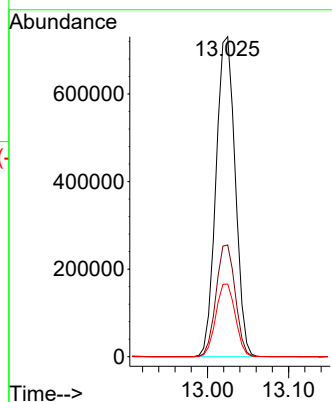
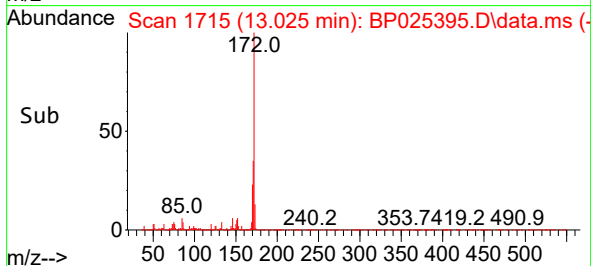
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



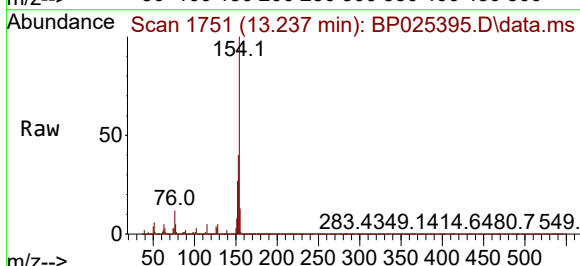
Tgt Ion:172 Resp: 1203064
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 22.7 18.6 28.0

Manual Integrations
APPROVED

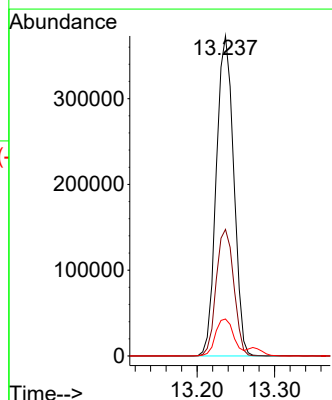
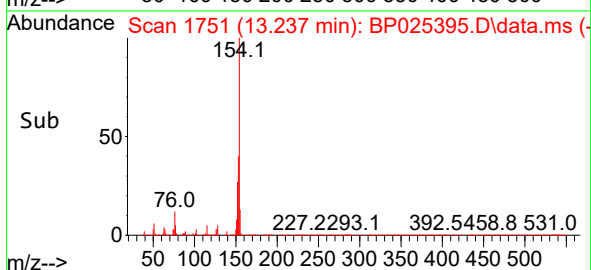
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

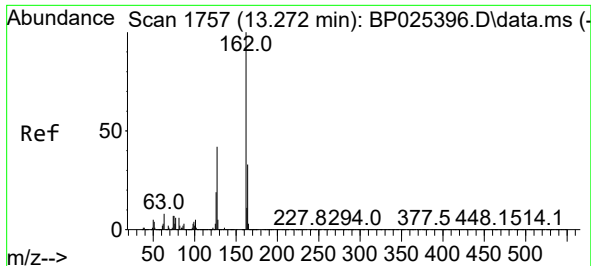


#46
1,1'-Biphenyl
Concen: 20.064 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



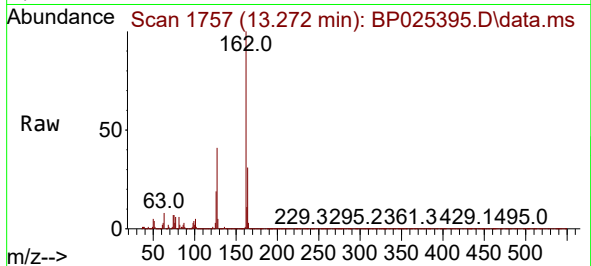
Tgt Ion:154 Resp: 581464
Ion Ratio Lower Upper
154 100
153 39.5 19.5 59.5
76 11.5 0.0 31.1





#47
2-Chloronaphthalene
Concen: 20.237 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

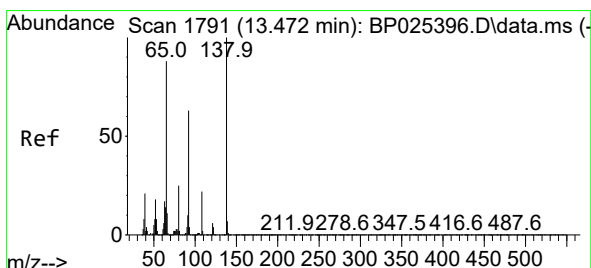
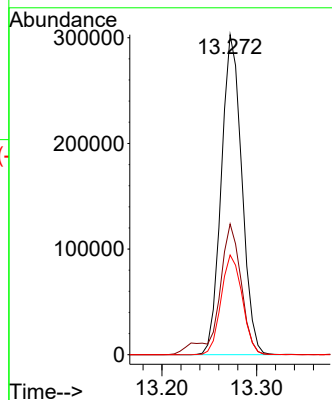
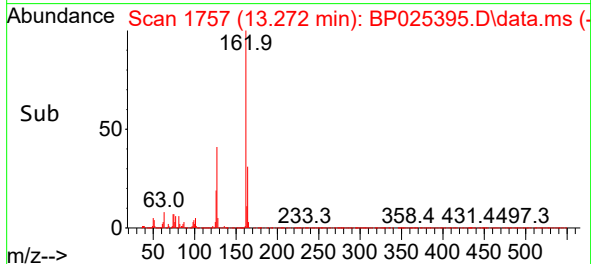
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



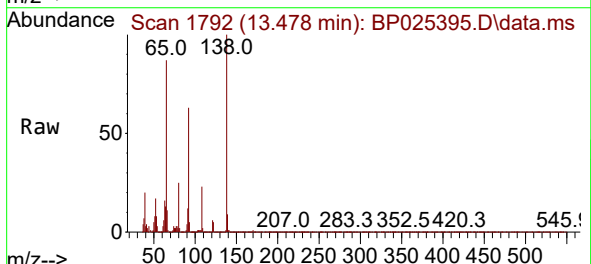
Tgt Ion:162 Resp: 45655
Ion Ratio Lower Upper
162 100
127 40.9 33.4 50.2
164 31.2 26.2 39.2

Manual Integrations
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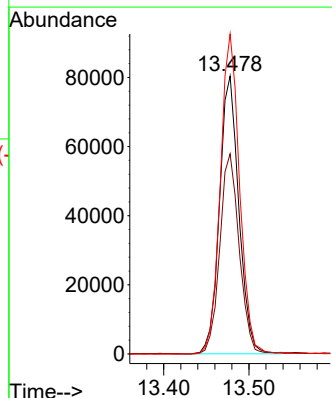
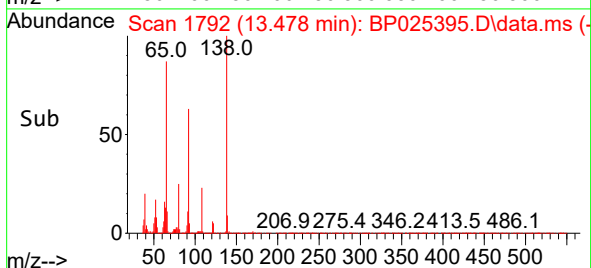
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

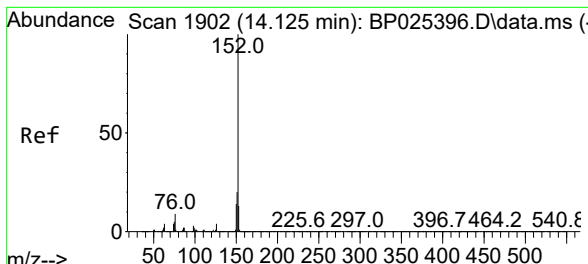


#48
2-Nitroaniline
Concen: 19.233 ng
RT: 13.478 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion: 65 Resp: 126433
Ion Ratio Lower Upper
65 100
92 72.0 57.6 86.4
138 115.1 91.0 136.6



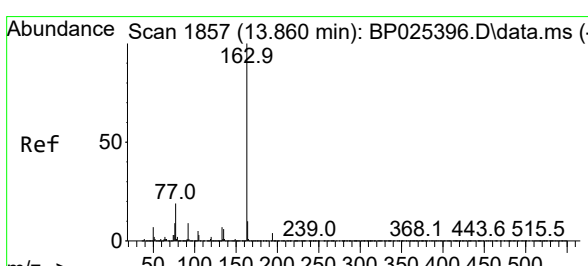
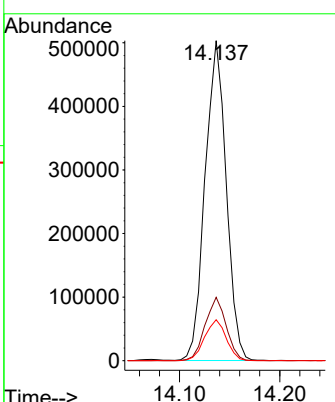
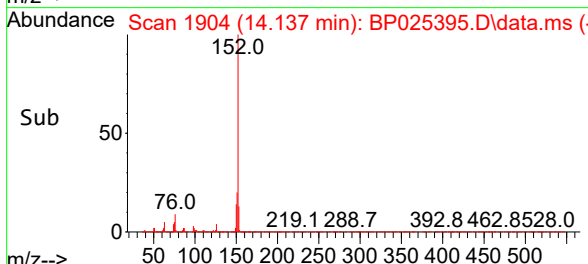
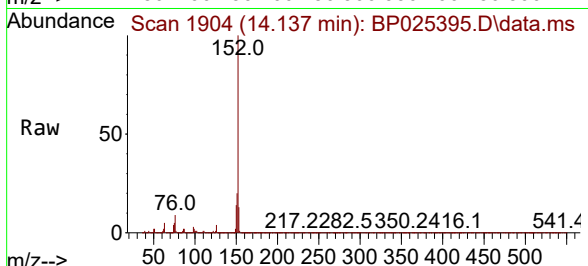


#49
 Acenaphthylene
 Concen: 19.756 ng
 RT: 14.137 min Scan# 1904
 Delta R.T. 0.012 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

Instrument : BNA_P
 ClientSampleId : SSTDICC020

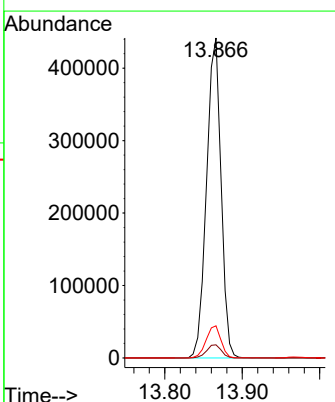
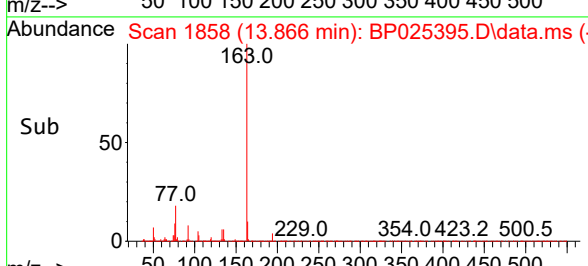
Tgt Ion:	152	Resp:	73752
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.0	24.0
153	12.8	10.6	15.8

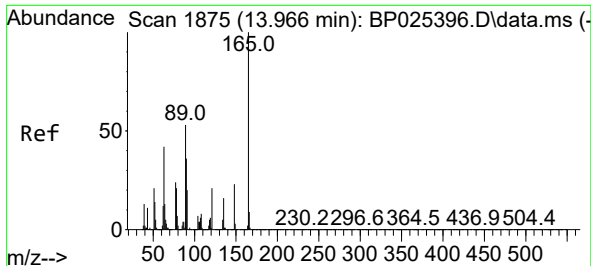
Manual Integrations
APPROVED
 Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025



#50
 Dimethylphthalate
 Concen: 19.632 ng
 RT: 13.866 min Scan# 1858
 Delta R.T. 0.006 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

Tgt Ion:	163	Resp:	573661
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9





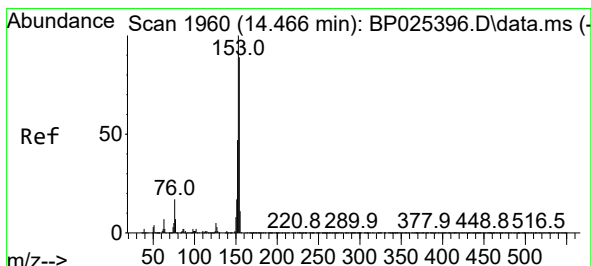
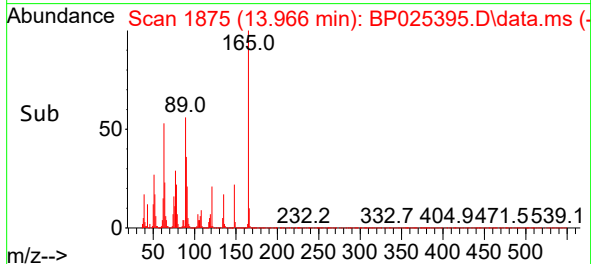
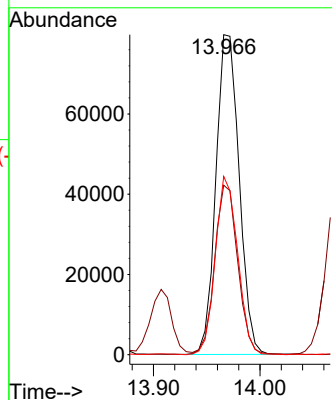
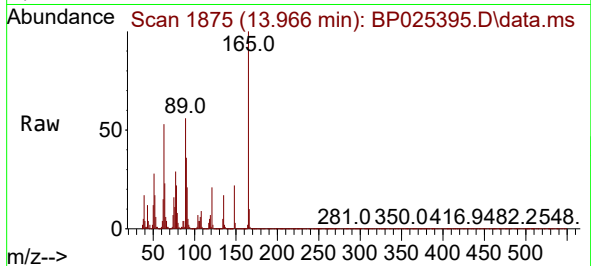
#51
2,6-Dinitrotoluene
Concen: 19.597 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 12069
Ion Ratio Lower Upper
165 100
63 52.9 40.9 61.3
89 55.7 42.1 63.1

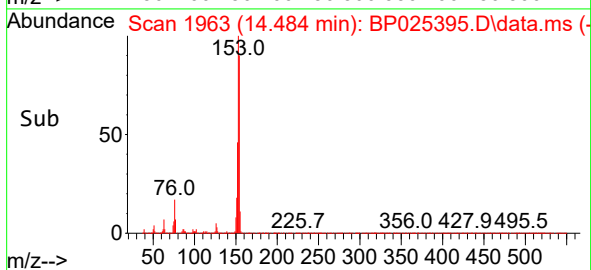
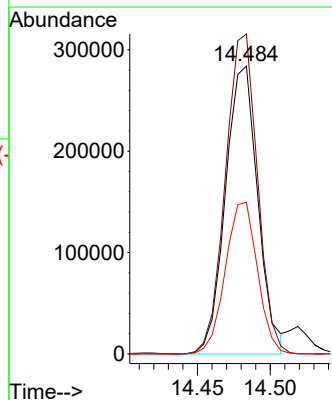
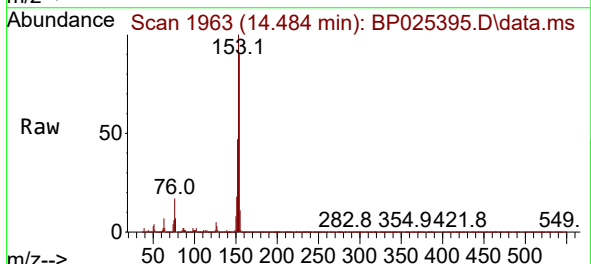
Manual Integrations
APPROVED

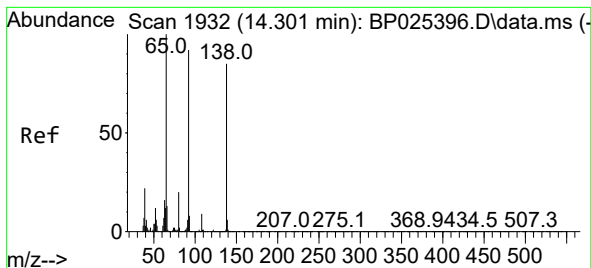
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#52
Acenaphthene
Concen: 20.027 ng m
RT: 14.484 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

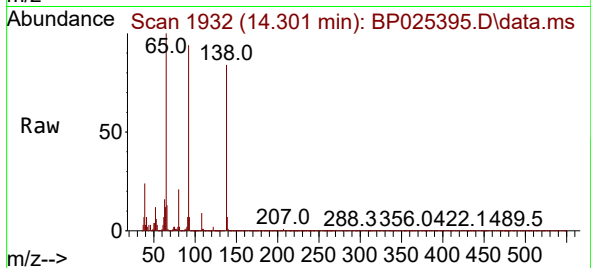
Tgt Ion:154 Resp: 438852
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.2
152 52.7 42.1 63.1





#53
3-Nitroaniline
Concen: 19.410 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

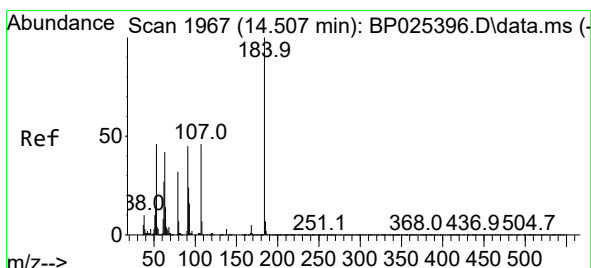
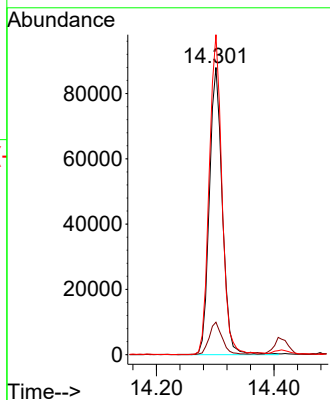
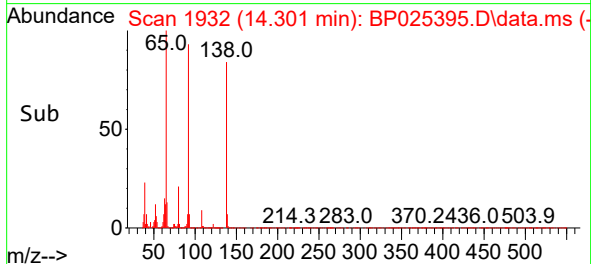
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



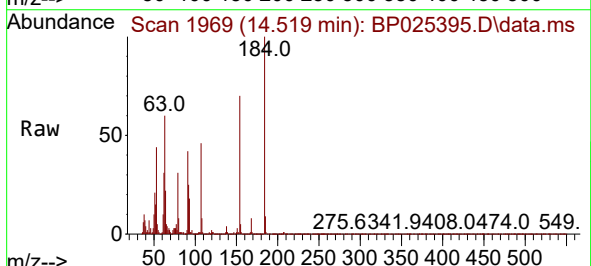
Tgt Ion:138 Resp: 13450
Ion Ratio Lower Upper
138 100
108 11.3 8.3 12.5
92 111.4 86.2 129.2

Manual Integrations
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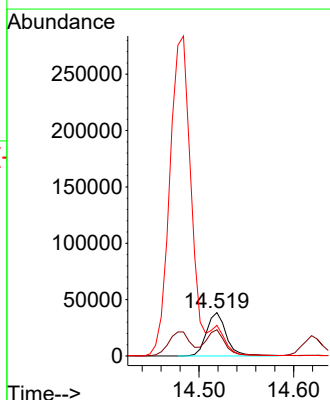
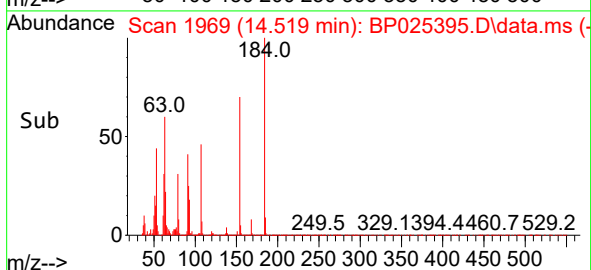
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

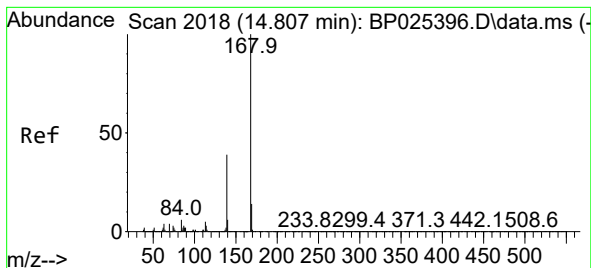


#54
2,4-Dinitrophenol
Concen: 16.939 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



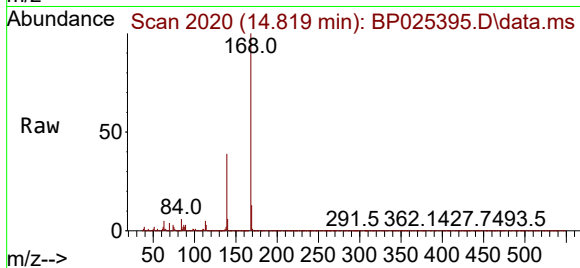
Tgt Ion:184 Resp: 55713
Ion Ratio Lower Upper
184 100
63 60.4 49.4 74.2
154 70.4 54.6 82.0





#55
Dibenzenofuran
Concen: 20.002 ng
RT: 14.819 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

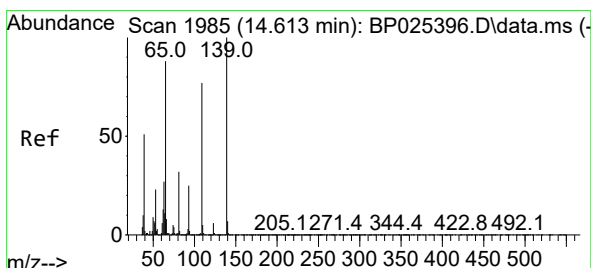
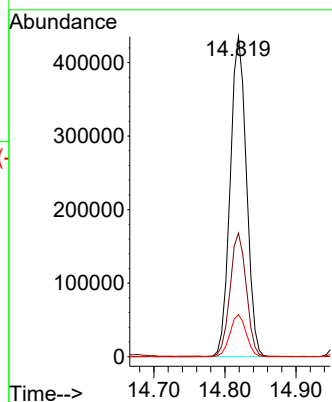
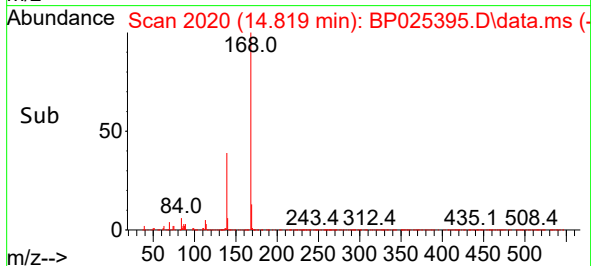
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



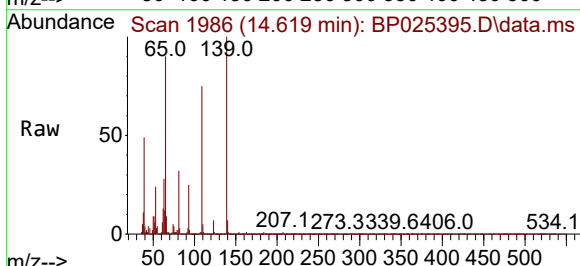
Tgt Ion:168 Resp: 692960
Ion Ratio Lower Upper
168 100
139 38.6 31.5 47.3
169 13.1 10.9 16.3

Manual Integrations
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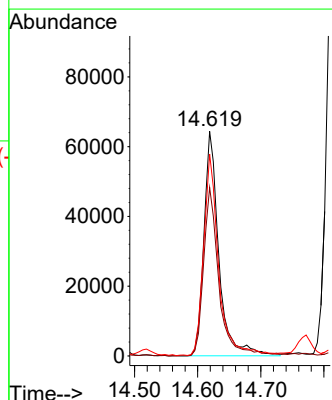
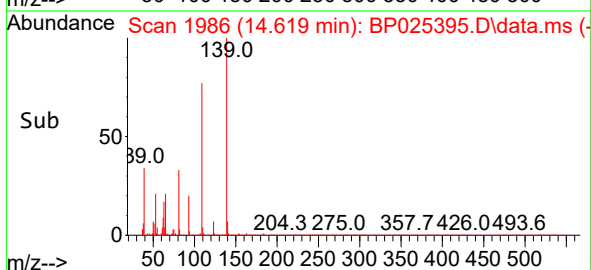
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

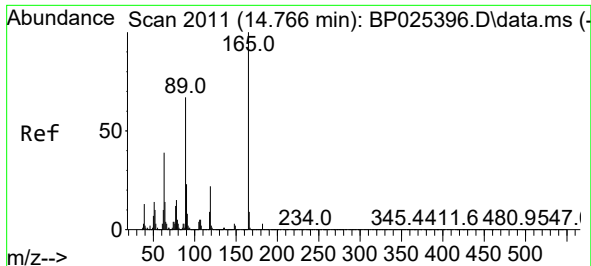


#56
4-Nitrophenol
Concen: 18.578 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



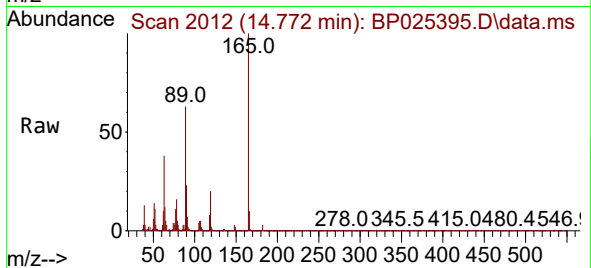
Tgt Ion:139 Resp: 105787
Ion Ratio Lower Upper
139 100
109 75.0 56.6 96.6
65 89.8 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 19.576 ng
RT: 14.772 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

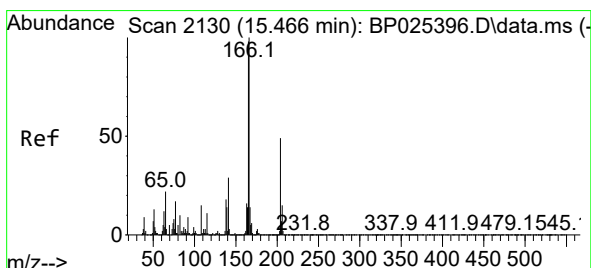
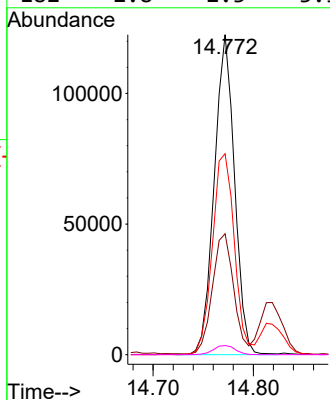
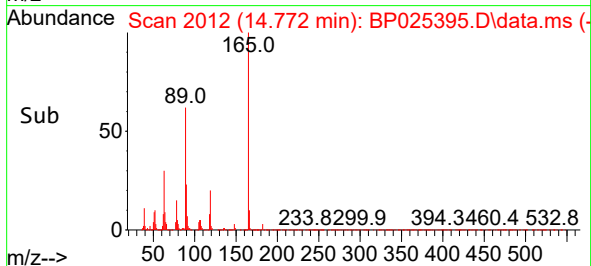
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



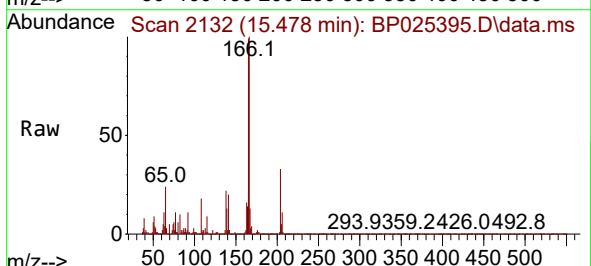
Tgt Ion:165 Resp: 172020
Ion Ratio Lower Upper
165 100
63 37.8 31.4 47.2
89 62.8 53.3 79.9
182 2.8 2.3 3.5

Manual Integrations
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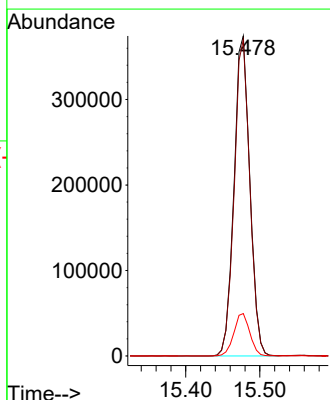
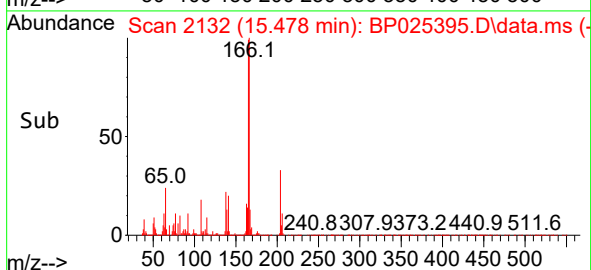
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

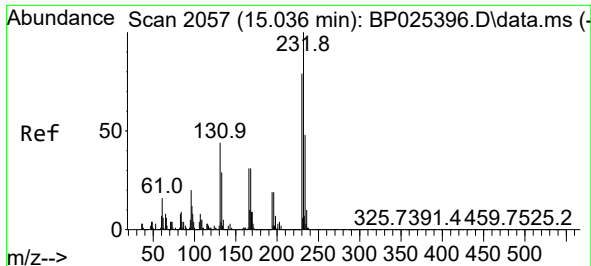


#58
Fluorene
Concen: 20.289 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



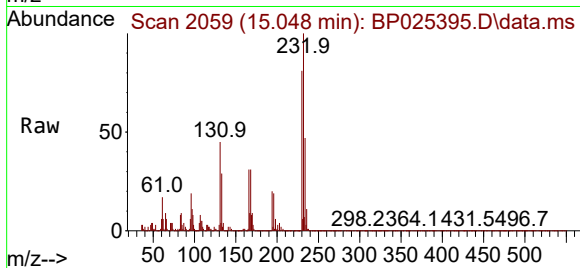
Tgt Ion:166 Resp: 554647
Ion Ratio Lower Upper
166 100
165 98.8 78.8 118.2
167 13.3 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 19.381 ng
RT: 15.048 min Scan# 2057
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

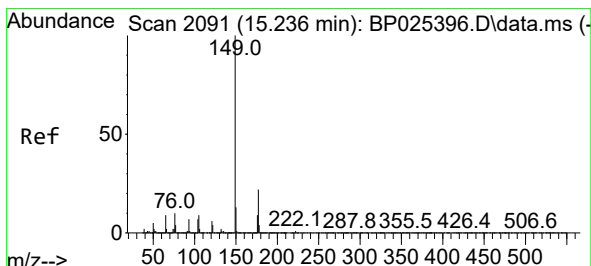
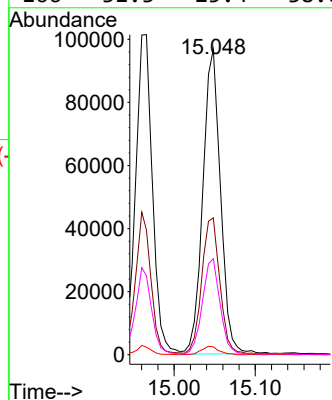
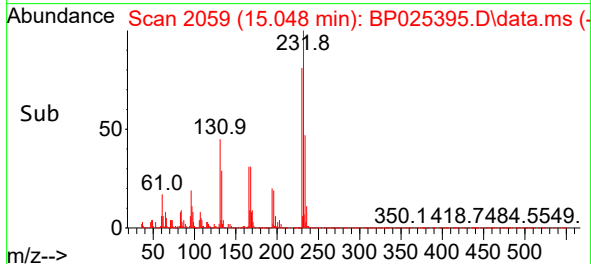
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



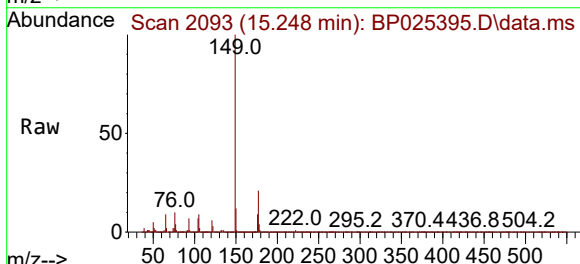
Tgt Ion:232 Resp: 145920
Ion Ratio Lower Upper
232 100
131 45.5 37.0 55.6
130 2.7 1.9 2.9
166 31.3 25.4 38.0

Manual Integrations
APPROVED

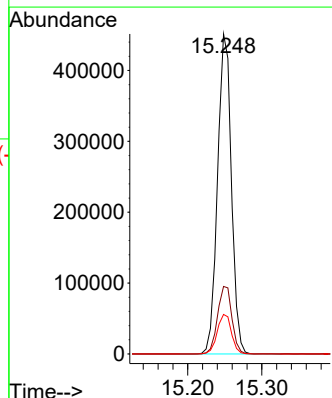
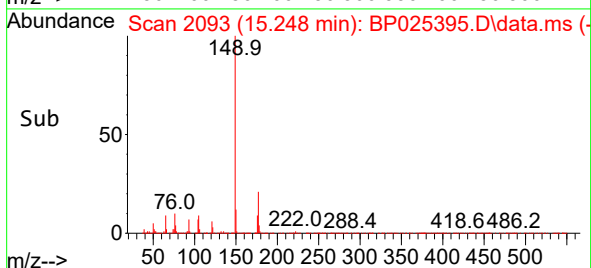
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

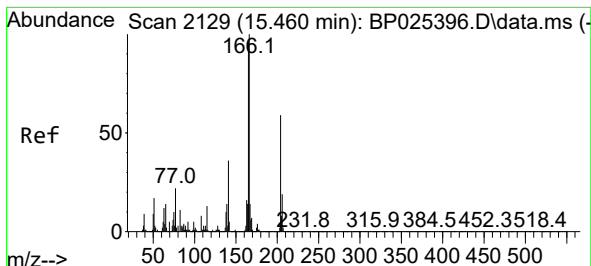


#60
Diethylphthalate
Concen: 19.689 ng
RT: 15.248 min Scan# 2093
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



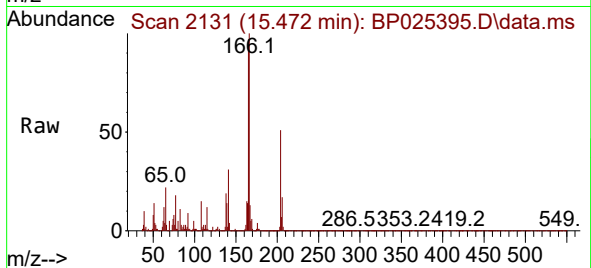
Tgt Ion:149 Resp: 584590
Ion Ratio Lower Upper
149 100
177 21.1 17.3 25.9
150 12.4 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 19.929 ng
RT: 15.472 min Scan# 2113
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

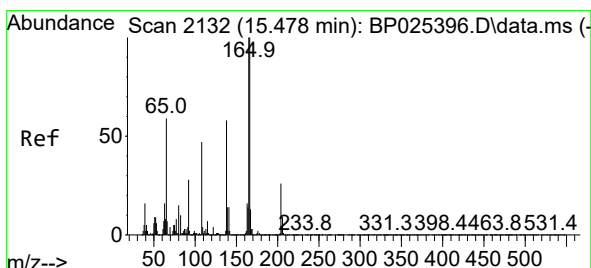
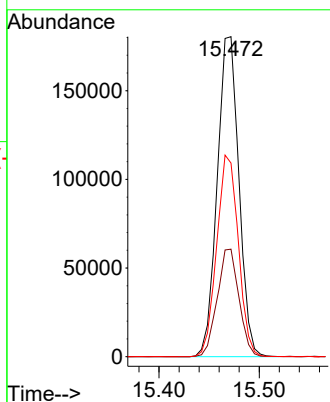
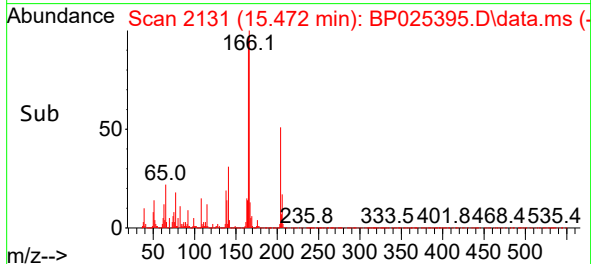
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



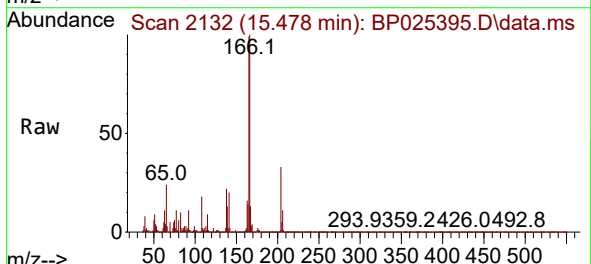
Tgt Ion: 204 Resp: 270949
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 60.5 49.4 74.2

Manual Integrations
APPROVED

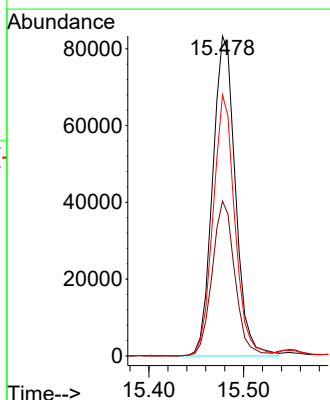
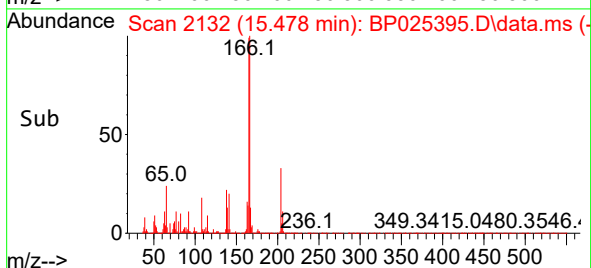
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

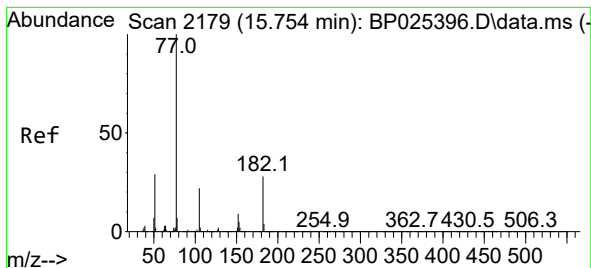


#62
4-Nitroaniline
Concen: 19.595 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



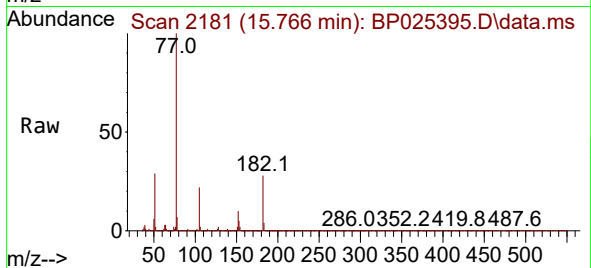
Tgt Ion: 138 Resp: 139202
Ion Ratio Lower Upper
138 100
92 48.4 29.1 69.1
108 81.6 61.5 101.5





#63
Azobenzene
Concen: 20.004 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

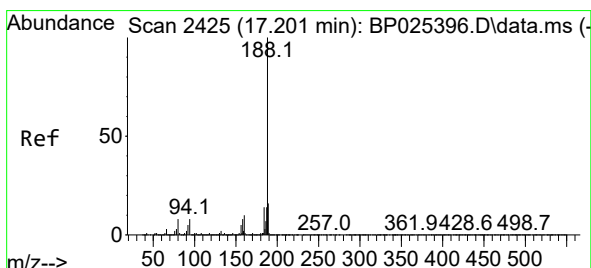
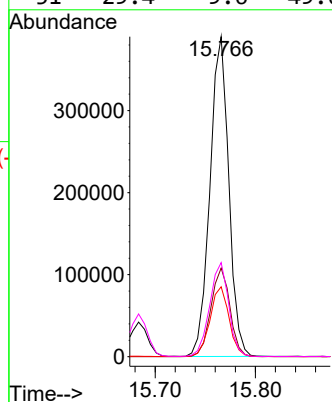
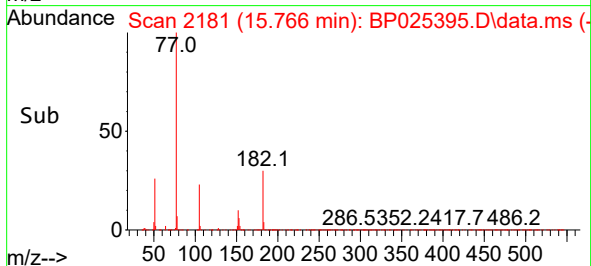
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



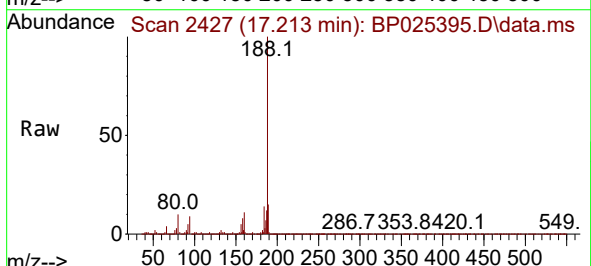
Tgt Ion: 77 Resp: 50856
Ion Ratio Lower Upper
77 100
182 27.7 7.5 47.5
105 21.9 2.1 42.1
51 29.4 9.6 49.6

Manual Integrations
APPROVED

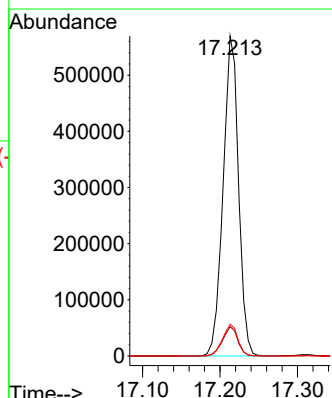
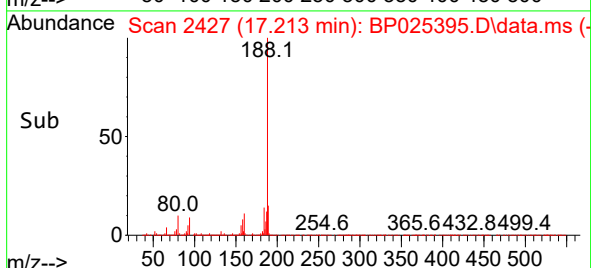
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

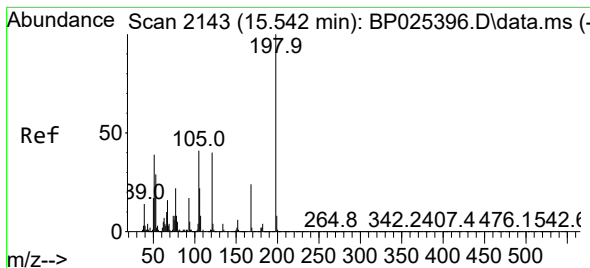


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



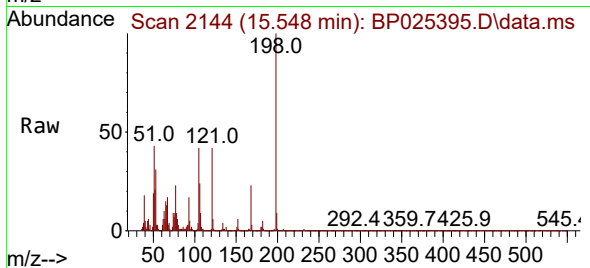
Tgt Ion:188 Resp: 785736
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.9 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 18.169 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

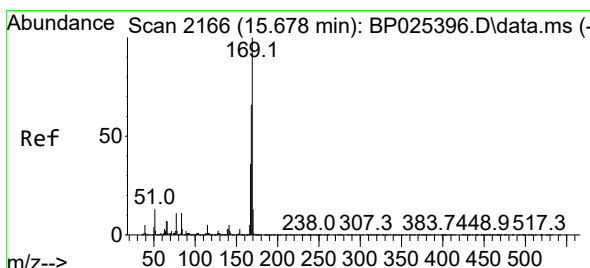
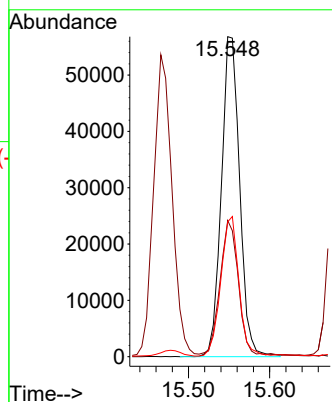
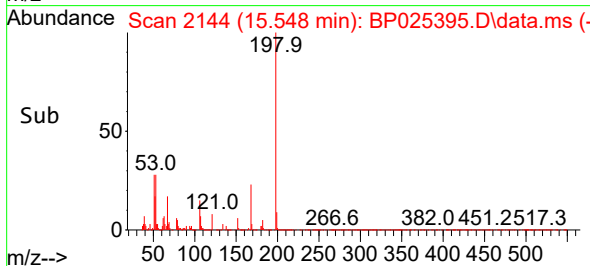
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:198 Resp: 88992
Ion Ratio Lower Upper
198 100
51 42.6 19.6 59.6
105 42.2 20.9 60.9

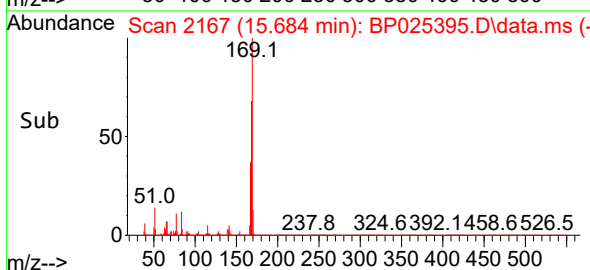
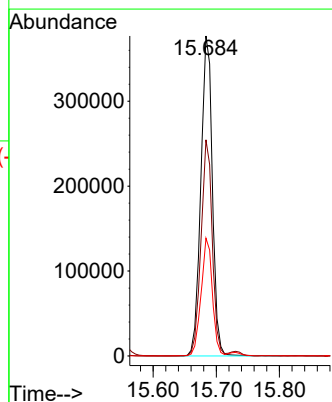
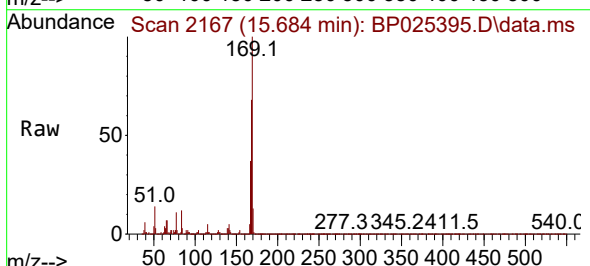
Manual Integrations
APPROVED

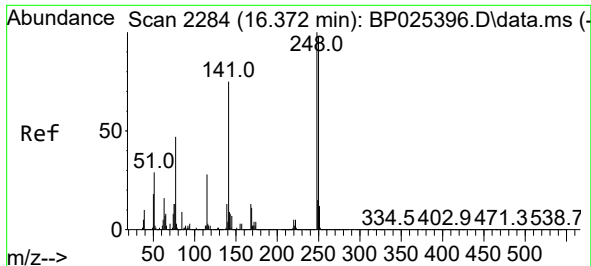
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 19.911 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:169 Resp: 477080
Ion Ratio Lower Upper
169 100
168 67.5 53.2 79.8
167 36.8 28.7 43.1





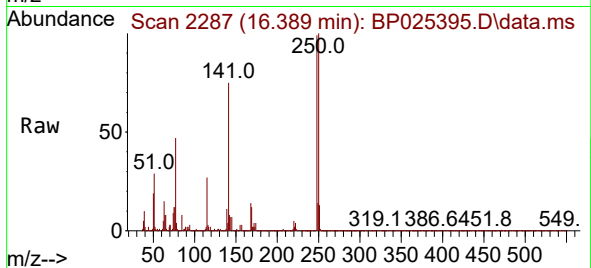
#67
4-Bromophenyl-phenylether
Concen: 19.758 ng
RT: 16.389 min Scan# 210
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020



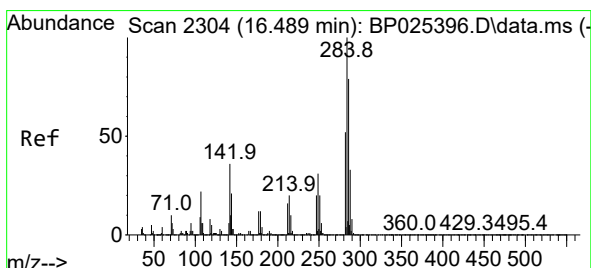
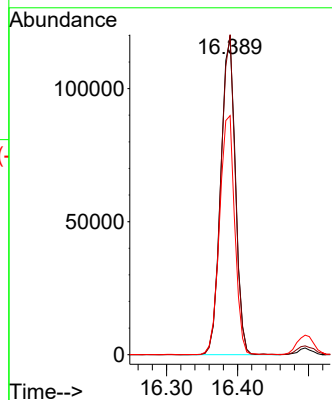
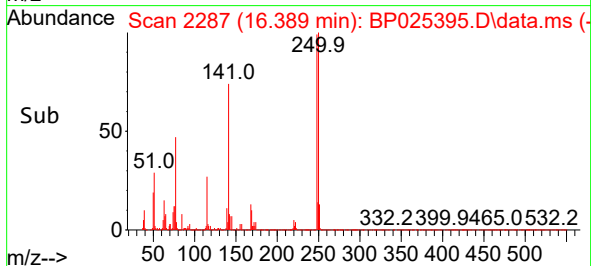
Tgt Ion:248 Resp: 170738
Ion Ratio Lower Upper
248 100
250 101.4 78.2 117.2
141 75.7 59.6 89.4

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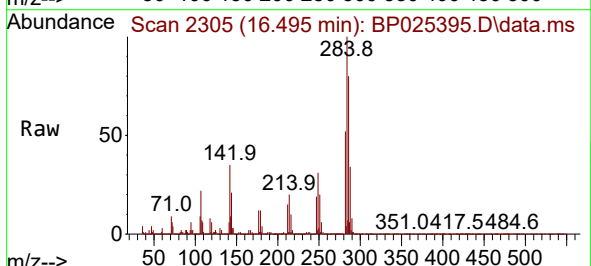
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

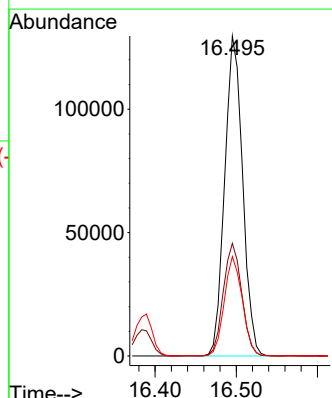
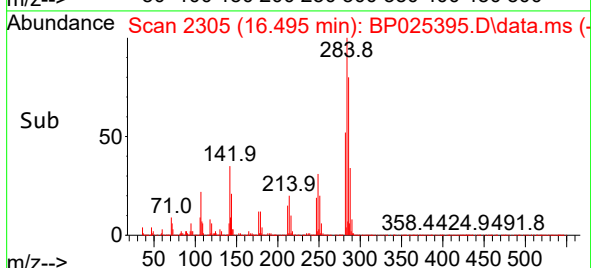
Supervised By :Jagrut Upadhyay 08/15/2025

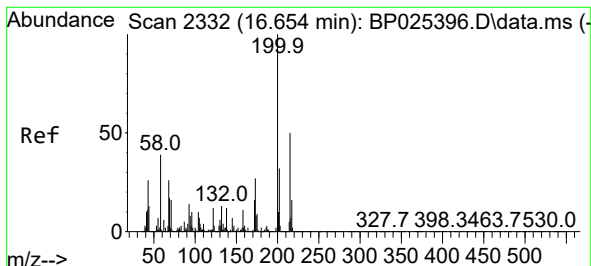


#68
Hexachlorobenzene
Concen: 19.906 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion:284 Resp: 199410
Ion Ratio Lower Upper
284 100
142 35.2 29.1 43.7
249 31.0 25.0 37.4





#69

Atrazine

Concen: 20.006 ng

RT: 16.666 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

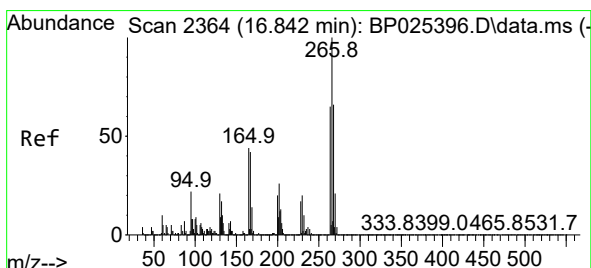
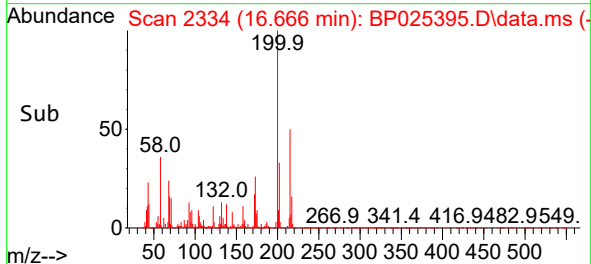
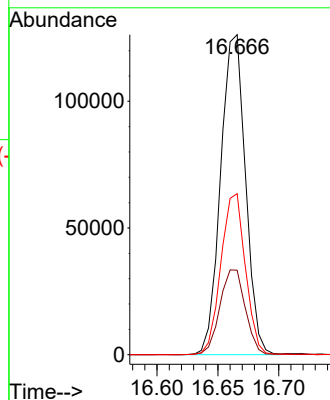
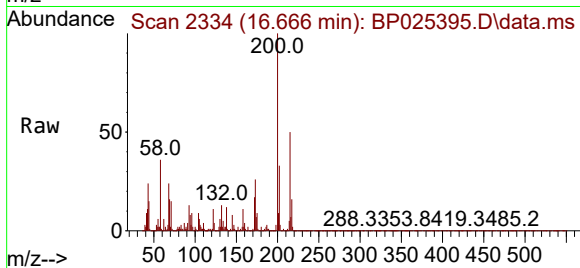
SSTDICC020

Tgt Ion:	200	Resp:	17951
Ion Ratio	Lower	Upper	
200	100		
173	26.4	6.7	46.7
215	50.3	29.7	69.7

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 19.128 ng

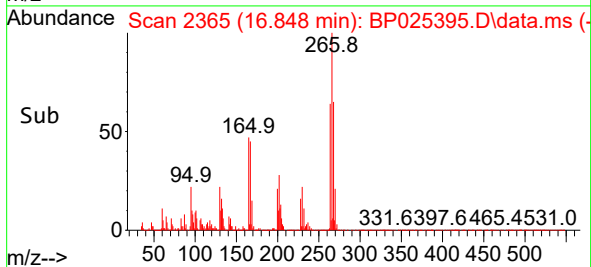
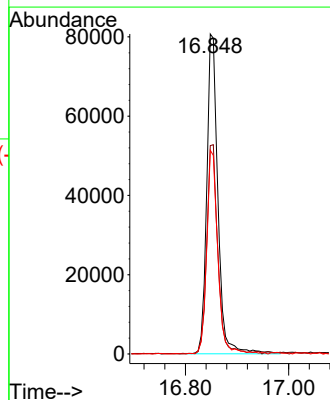
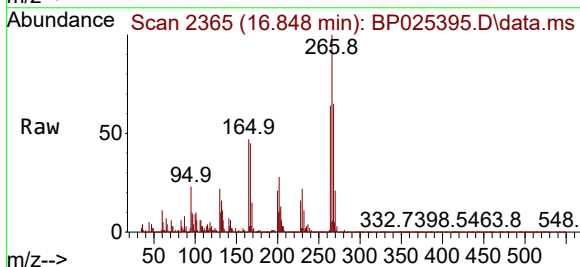
RT: 16.848 min Scan# 2365

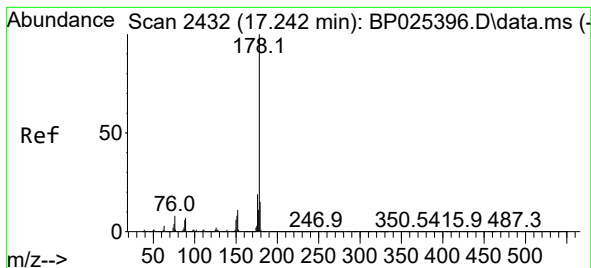
Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Tgt Ion:	266	Resp:	120958
Ion Ratio	Lower	Upper	
266	100		
268	65.1	52.6	79.0
264	63.6	52.0	78.0





#71

Phenanthrene

Concen: 20.223 ng

RT: 17.254 min Scan# 2432

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:178 Resp: 872890

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

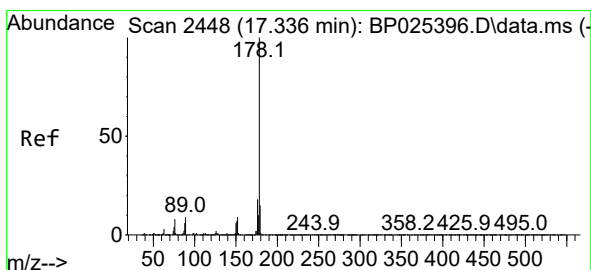
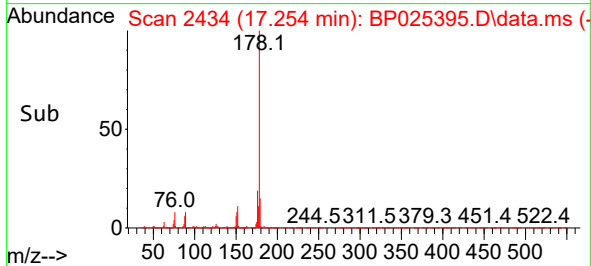
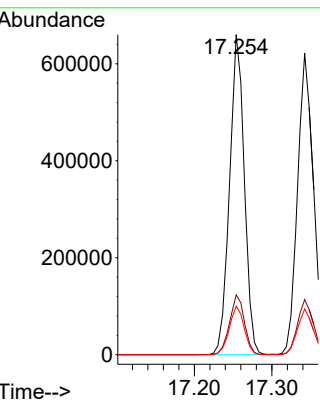
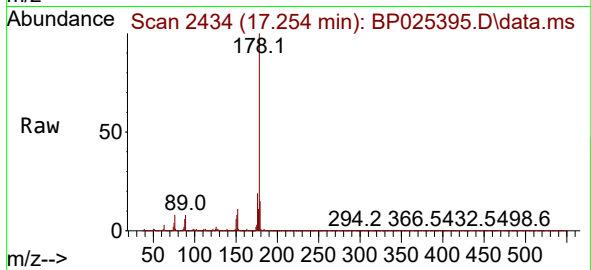
179 15.2 12.2 18.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#72

Anthracene

Concen: 20.198 ng

RT: 17.342 min Scan# 2449

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

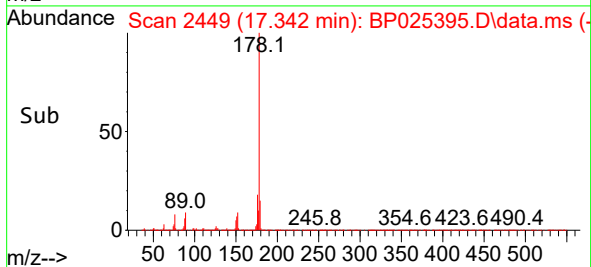
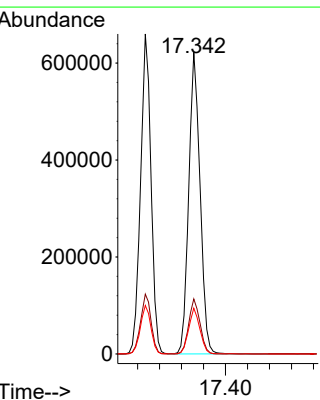
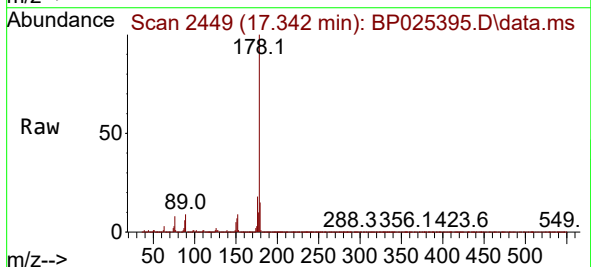
Tgt Ion:178 Resp: 890292

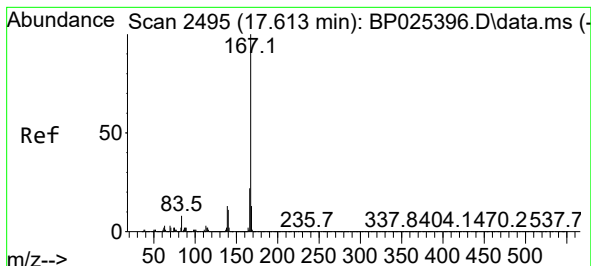
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

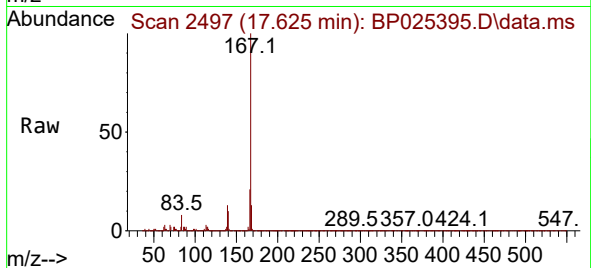
179 15.2 12.2 18.2





#73
 Carbazole
 Concen: 20.328 ng
 RT: 17.625 min Scan# 2497
 Delta R.T. 0.012 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

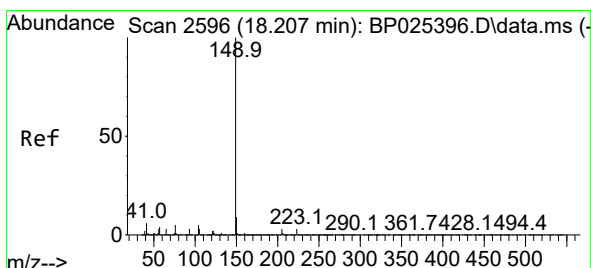
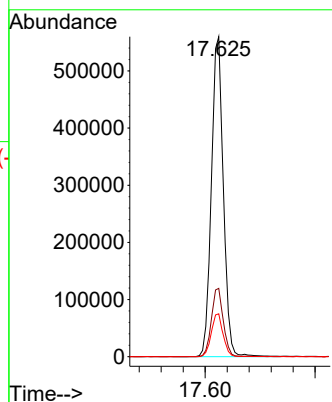
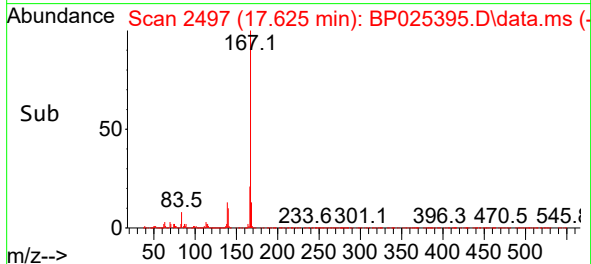
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020



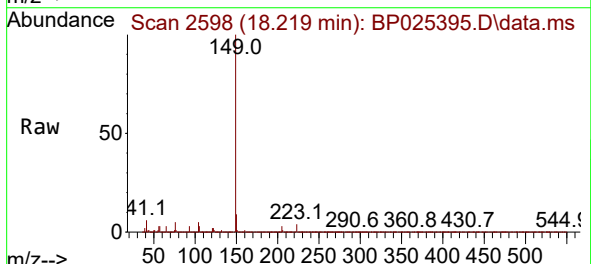
Tgt Ion:167 Resp: 843970
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.5 26.3
 139 13.4 10.6 16.0

Manual Integrations
 APPROVED

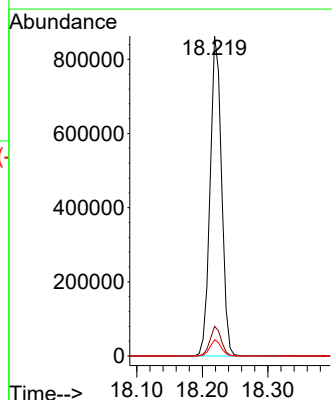
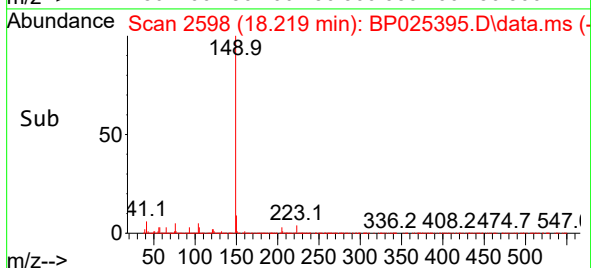
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

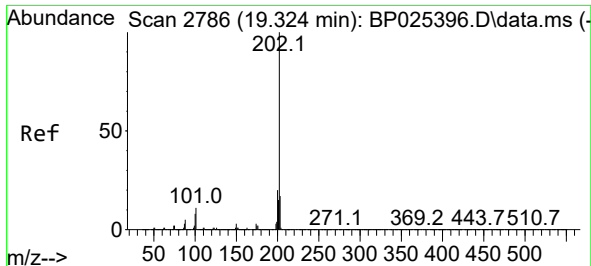


#74
 Di-n-butylphthalate
 Concen: 20.491 ng
 RT: 18.219 min Scan# 2598
 Delta R.T. 0.012 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38



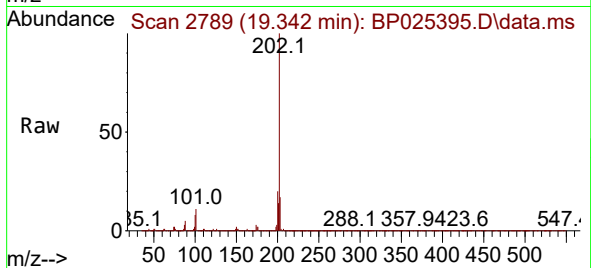
Tgt Ion:149 Resp: 1046709
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 20.567 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

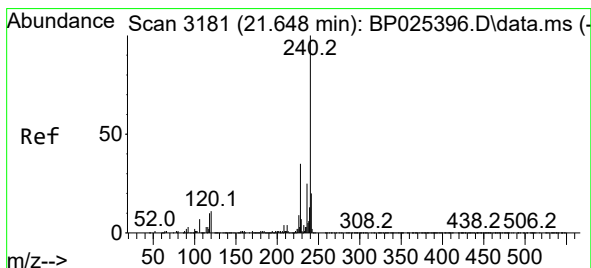
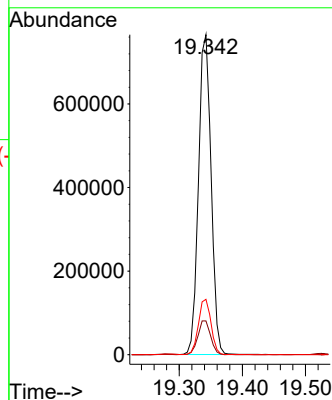
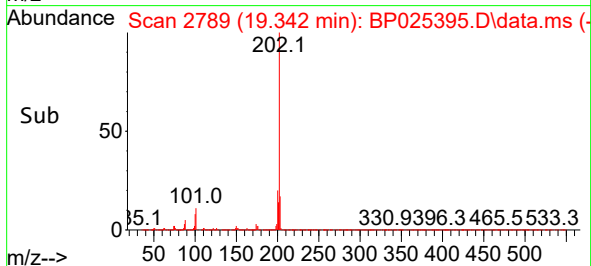
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



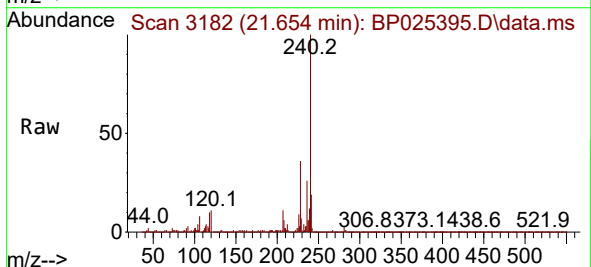
Tgt Ion:202 Resp: 105891
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.1
203 17.3 0.0 37.3

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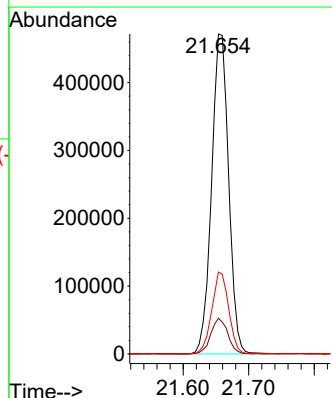
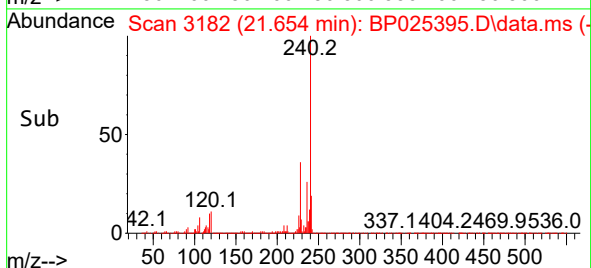
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

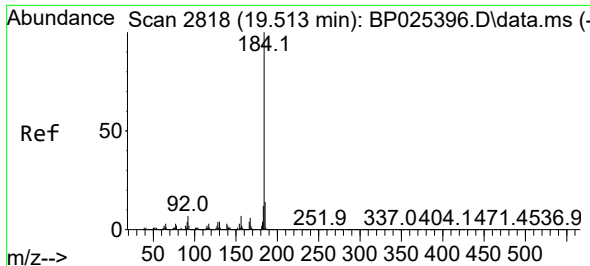


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



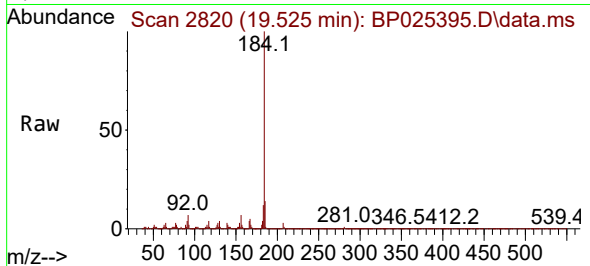
Tgt Ion:240 Resp: 852065
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.6 19.8 29.8





#77
Benzidine
Concen: 18.799 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

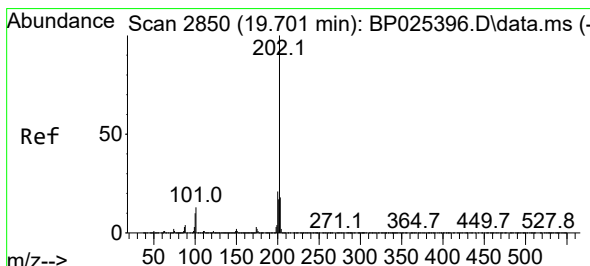
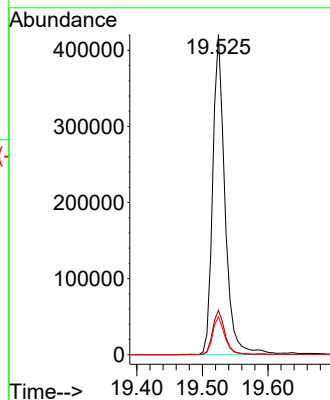
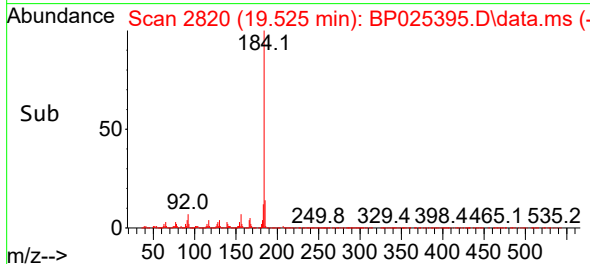
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



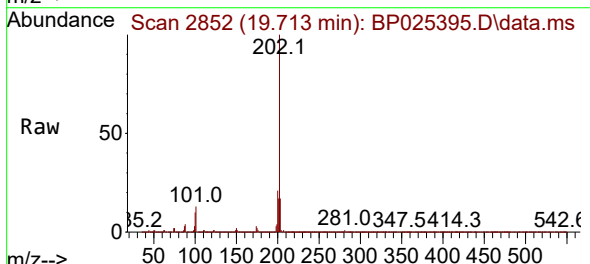
Tgt Ion:184 Resp: 54664
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 11.9 9.4 14.2

Manual Integrations
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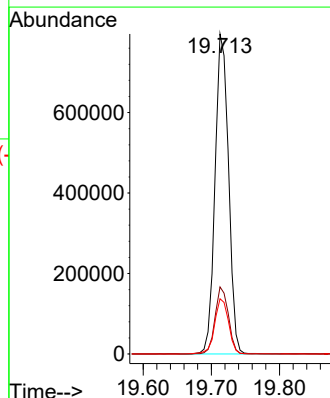
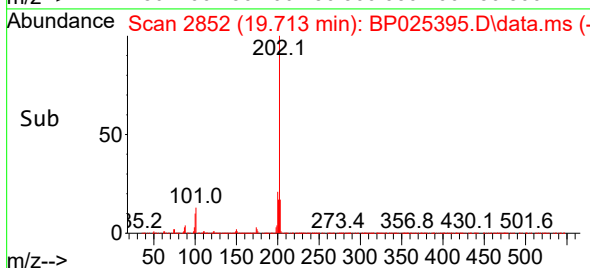
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

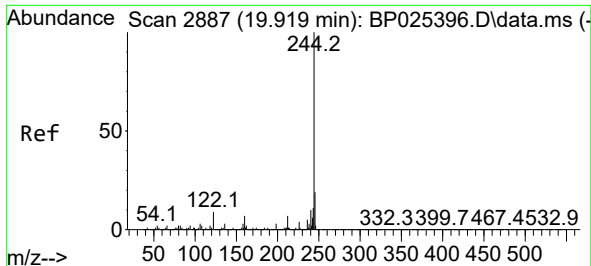


#78
Pyrene
Concen: 19.807 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



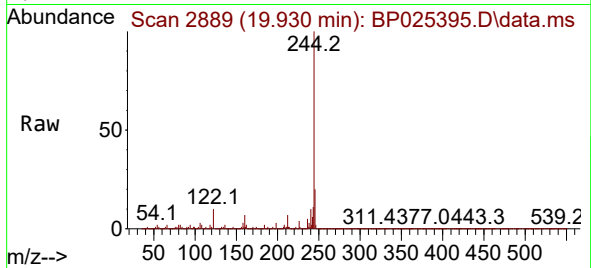
Tgt Ion:202 Resp: 1096965
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.3 14.2 21.2





#79
 Terphenyl-d14
 Concen: 40.152 ng
 RT: 19.930 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

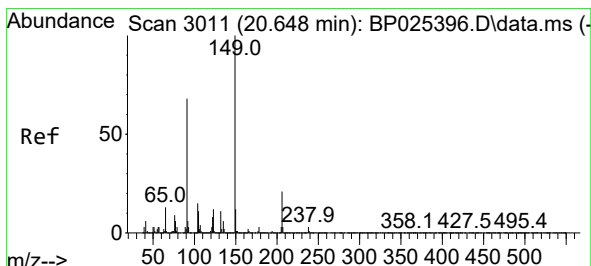
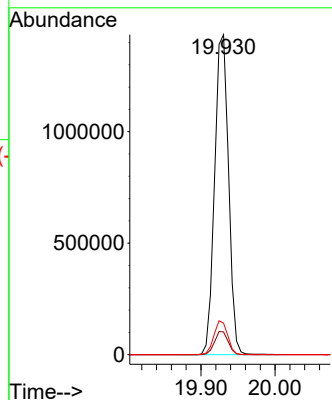
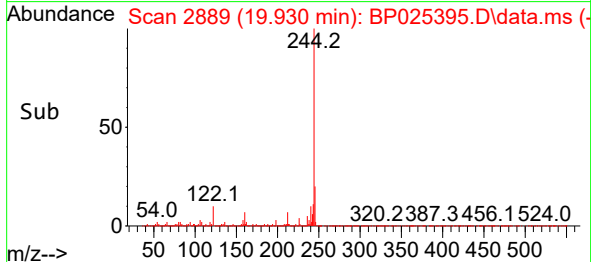
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020



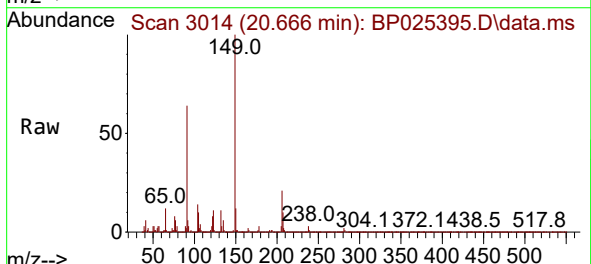
Tgt Ion:244 Resp: 186995
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.9 7.4 11.2

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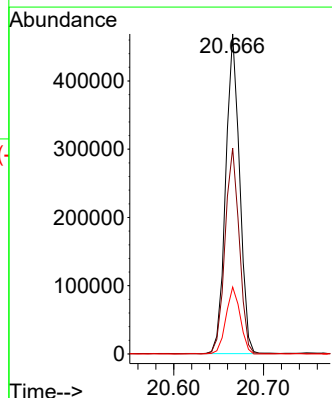
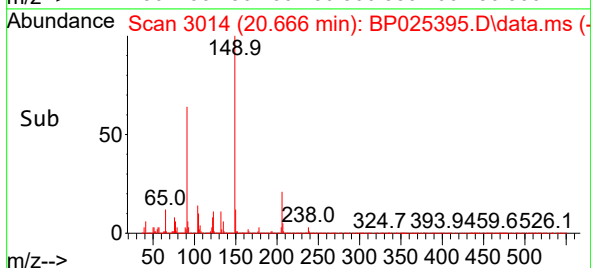
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

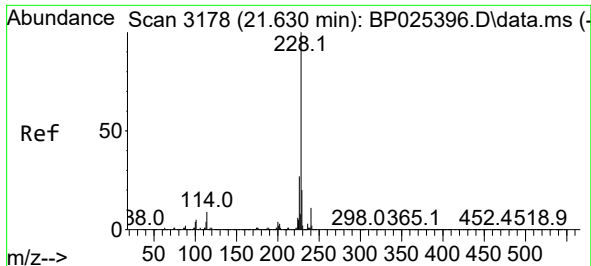


#80
 Butylbenzylphthalate
 Concen: 20.081 ng
 RT: 20.666 min Scan# 3014
 Delta R.T. 0.018 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38



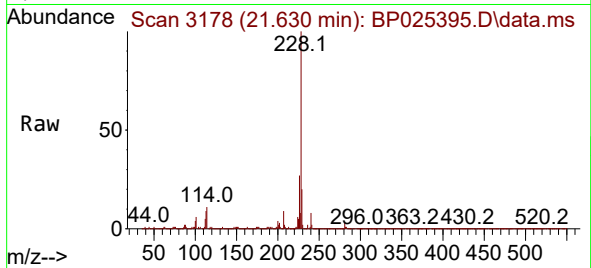
Tgt Ion:149 Resp: 504019
 Ion Ratio Lower Upper
 149 100
 91 64.4 54.2 81.2
 206 20.9 16.6 24.8





#81
Benzo(a)anthracene
Concen: 19.906 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

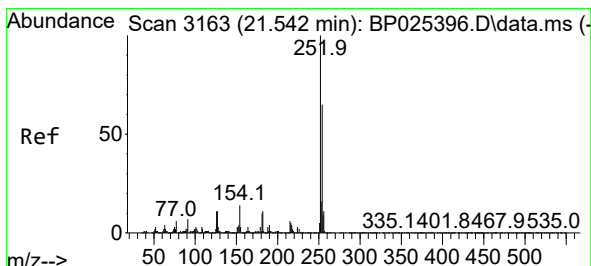
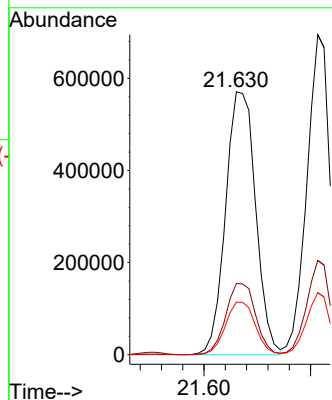
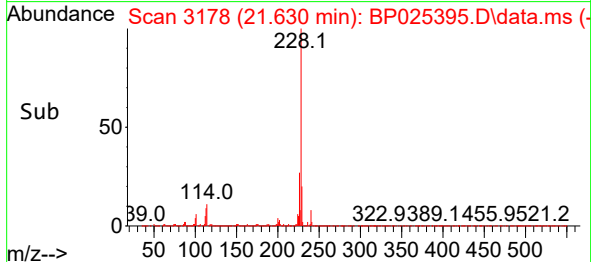
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



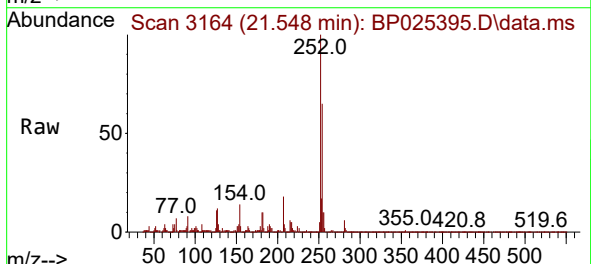
Tgt Ion: 228 Resp: 1118590
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.9 15.6 23.4

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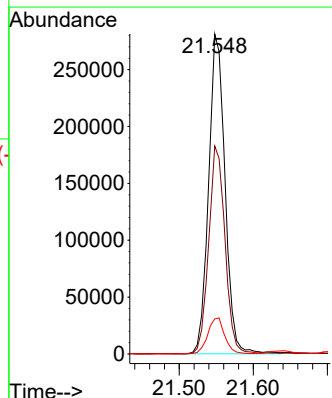
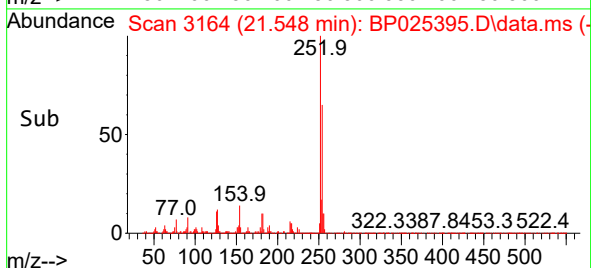
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

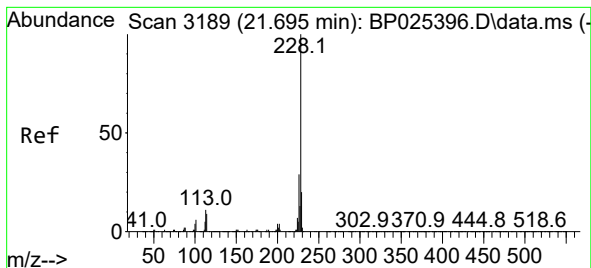


#82
3,3'-Dichlorobenzidine
Concen: 20.399 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion: 252 Resp: 432075
Ion Ratio Lower Upper
252 100
254 65.0 51.8 77.6
126 10.9 9.1 13.7





#83

Chrysene

Concen: 20.216 ng

RT: 21.707 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:228 Resp: 106389

Ion Ratio Lower Upper

228 100

226 29.4 23.2 34.8

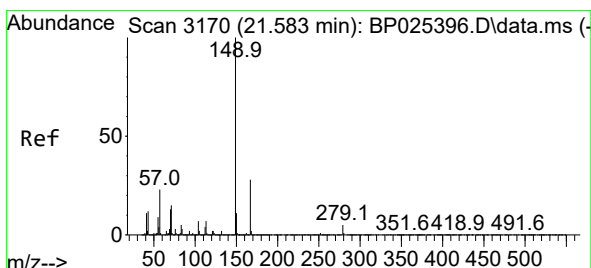
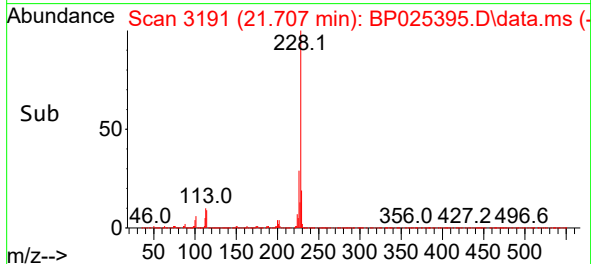
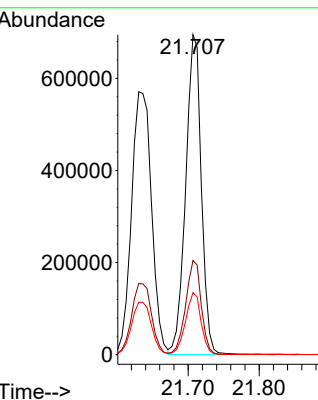
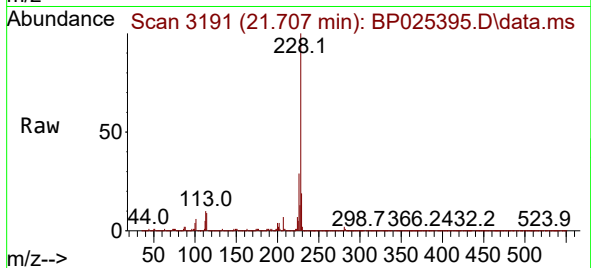
229 19.4 15.6 23.4

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.155 ng

RT: 21.577 min Scan# 3169

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

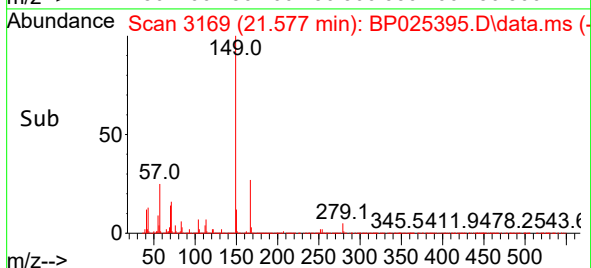
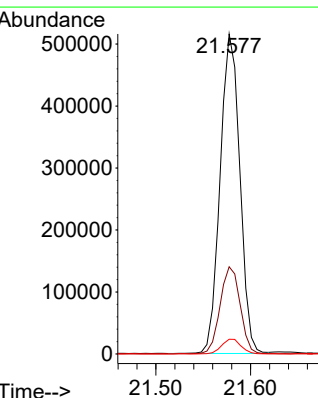
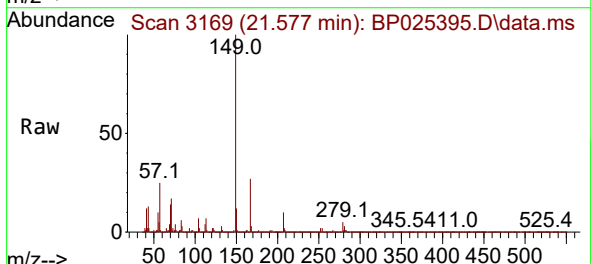
Tgt Ion:149 Resp: 744704

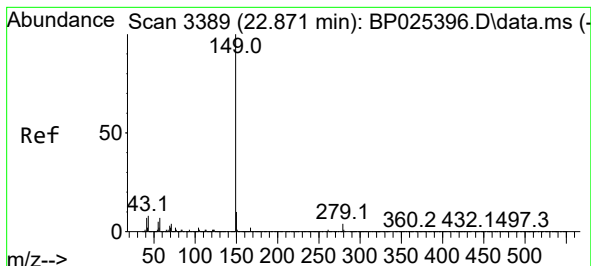
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

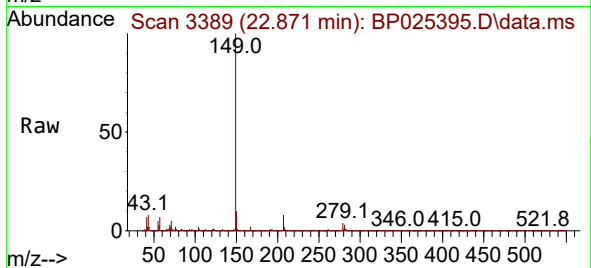
279 4.6 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 20.091 ng
RT: 22.871 min Scan# 3389
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

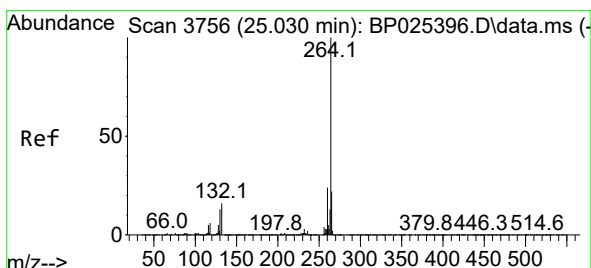
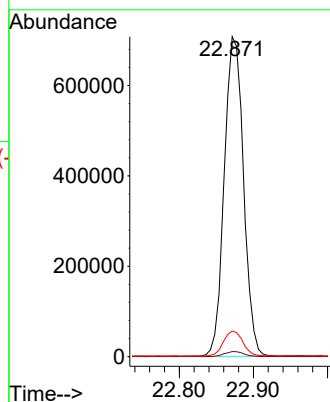
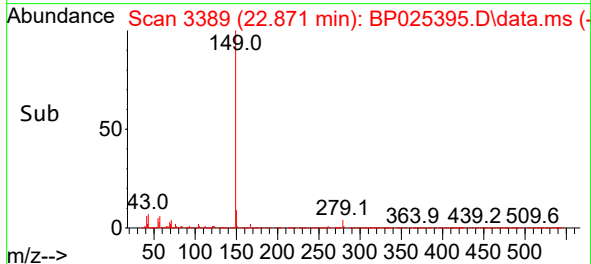
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



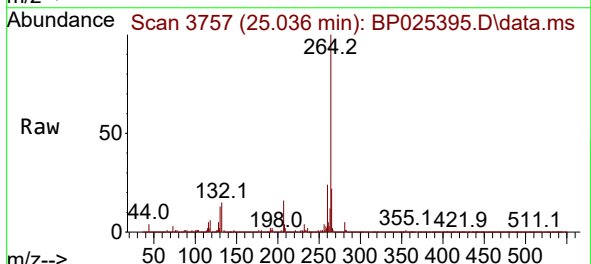
Tgt Ion:149 Resp: 1276798
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5

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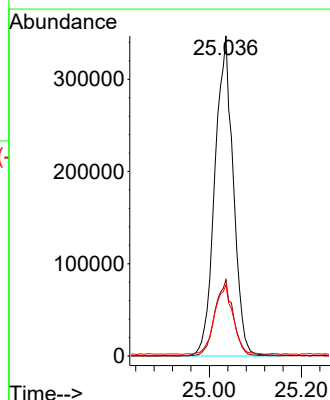
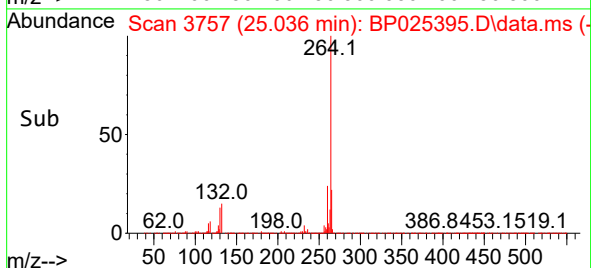
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

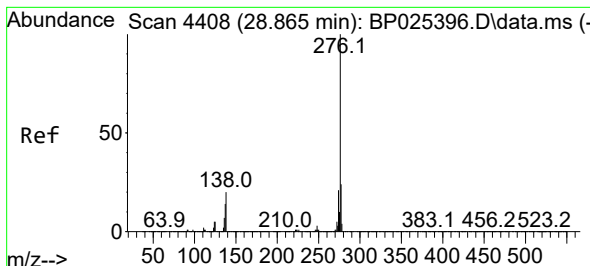


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



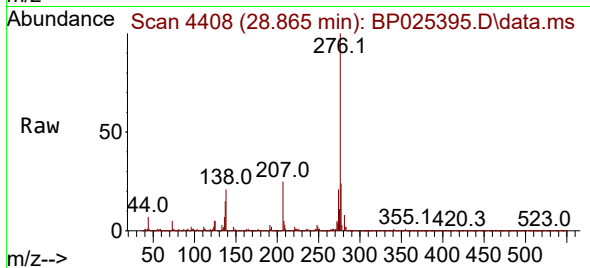
Tgt Ion:264 Resp: 958651
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 22.2 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.627 ng m
RT: 28.865 min Scan# 4408
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

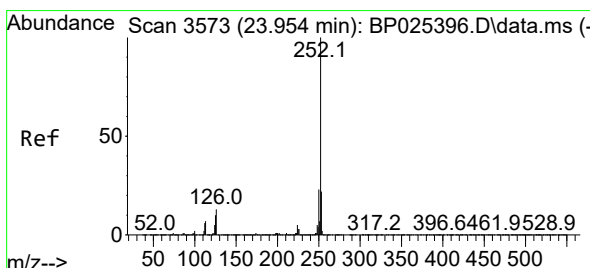
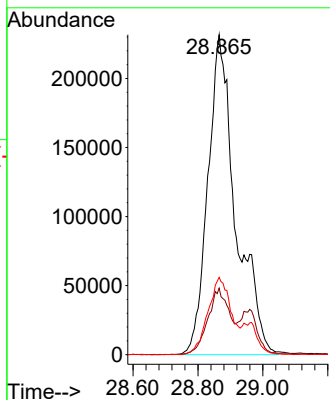
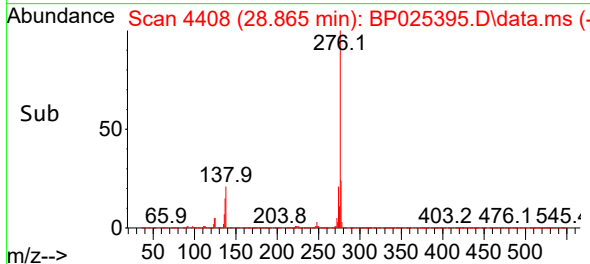
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion: 276 Resp: 138033
Ion Ratio Lower Upper
276 100
138 16.2 12.9 19.3
277 20.1 17.0 25.6

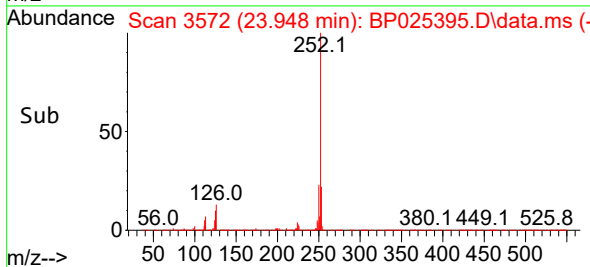
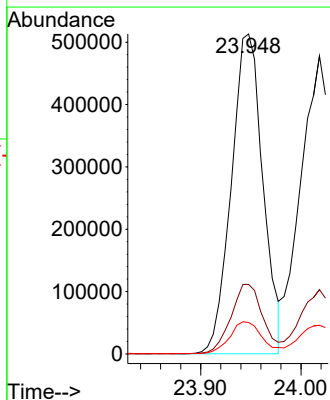
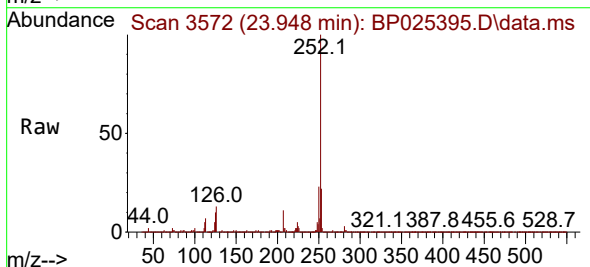
Manual Integrations
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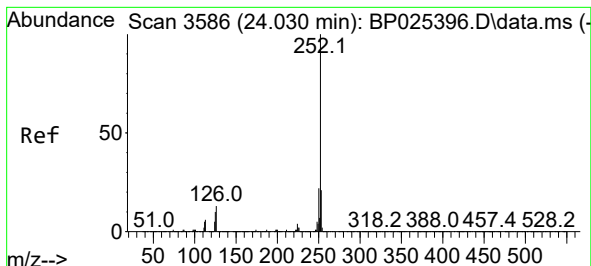
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#88
Benzo(b)fluoranthene
Concen: 19.855 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 252 Resp: 1122408
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 9.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 20.336 ng

RT: 24.018 min Scan# 3586

Delta R.T. -0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 1150360

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

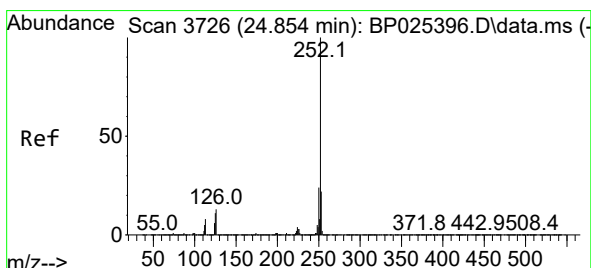
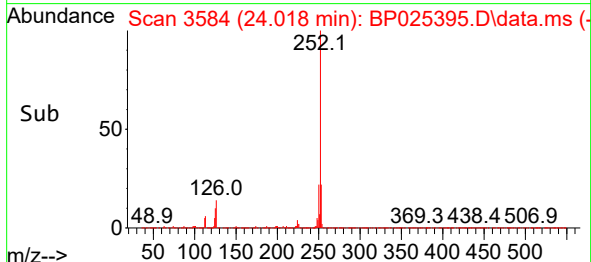
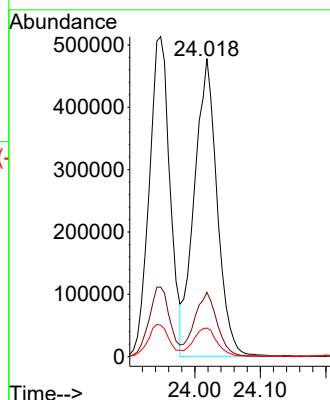
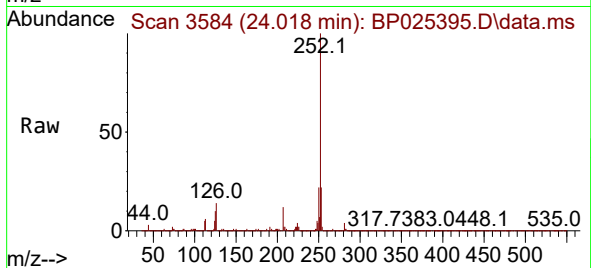
125 9.6 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 20.041 ng

RT: 24.854 min Scan# 3726

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

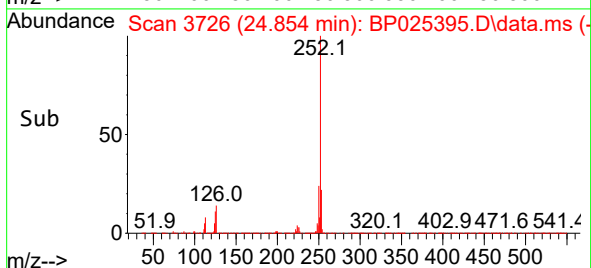
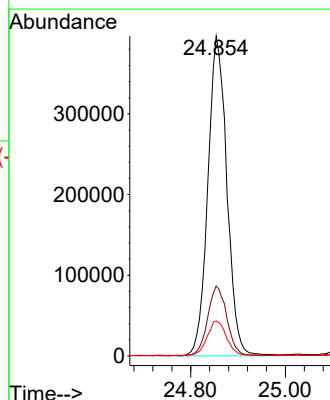
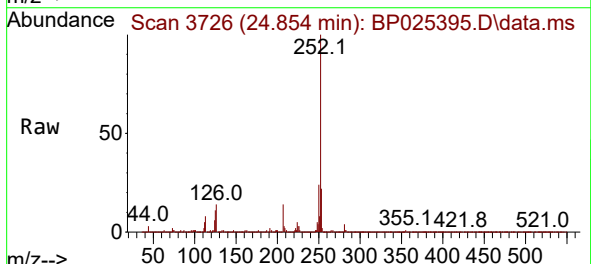
Tgt Ion:252 Resp: 1102804

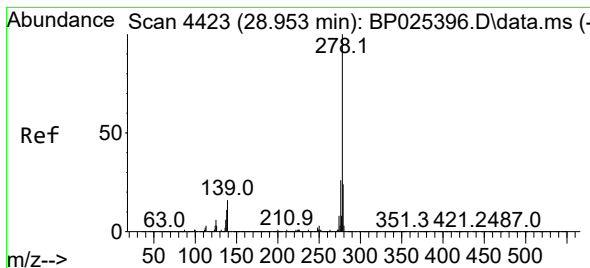
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.9 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 19.672 ng

RT: 28.965 min Scan# 4423

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:278 Resp: 1130209

Ion Ratio Lower Upper

278 100

139 14.6 13.0 19.4

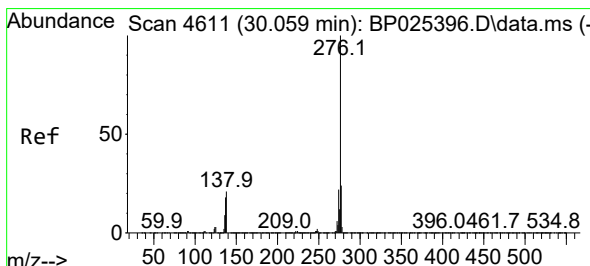
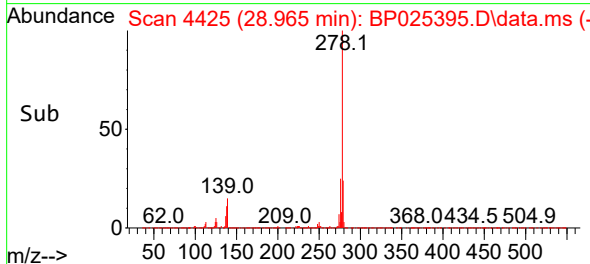
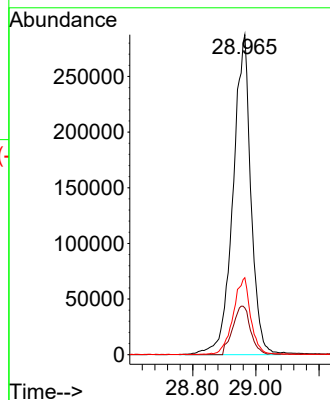
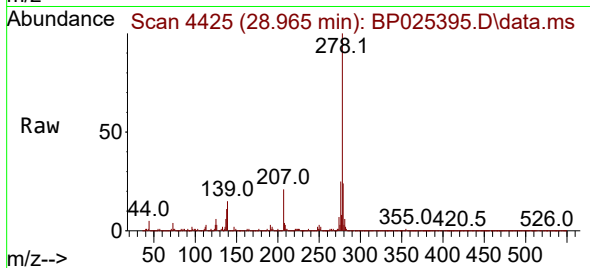
279 24.1 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 19.840 ng

RT: 30.053 min Scan# 4610

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

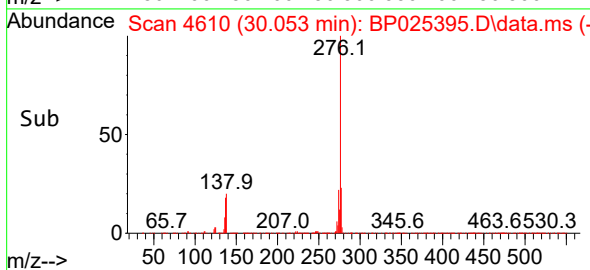
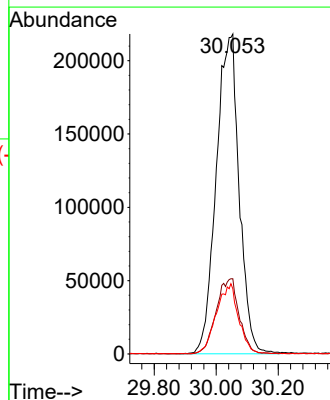
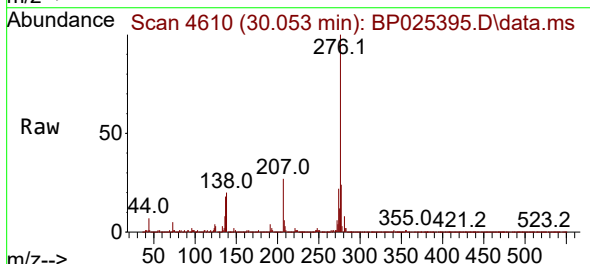
Tgt Ion:276 Resp: 1120307

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 20.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	157704	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	663553	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	441110	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	884529	20.000	ng	0.00
76) Chrysene-d12	21.648	240	899207	20.000	ng	0.00
86) Perylene-d12	25.030	264	1022138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	733191	77.209	ng	0.00
7) Phenol-d6	6.966	99	954285	78.381	ng	0.00
23) Nitrobenzene-d5	8.937	82	1015557	77.420	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	463783	78.112	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2456787	76.118	ng	0.00
79) Terphenyl-d14	19.919	244	3760236	76.508	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	140326	37.726	ng	100
3) Pyridine	3.731	79	384936	37.809	ng	100
4) n-Nitrosodimethylamine	3.637	42	161267	38.421	ng	100
6) Aniline	7.125	93	637156	38.842	ng	100
8) 2-Chlorophenol	7.366	128	414233	38.655	ng	100
9) Benzaldehyde	6.943	77	430704	50.493	ng	100
10) Phenol	6.996	94	496755	38.884	ng	100
11) bis(2-Chloroethyl)ether	7.219	93	385335	38.698	ng	100
12) 1,3-Dichlorobenzene	7.684	146	455200	38.523	ng	100
13) 1,4-Dichlorobenzene	7.831	146	462800	38.319	ng	100
14) 1,2-Dichlorobenzene	8.143	146	451306	38.602	ng	100
15) Benzyl Alcohol	8.025	79	376323	38.901	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.313	45	510991	38.308	ng	100
17) 2-Methylphenol	8.225	107	349313	39.369	ng	100
18) Hexachloroethane	8.866	117	171906	38.712	ng	100
19) n-Nitroso-di-n-propyla...	8.590	70	312773	38.737	ng	100
20) 3+4-Methylphenols	8.549	107	481148	39.121	ng	100
22) Acetophenone	8.601	105	644124	38.708	ng	100
24) Nitrobenzene	8.972	77	457175	38.997	ng	100
25) Isophorone	9.501	82	893987	38.510	ng	100
26) 2-Nitrophenol	9.678	139	239675	39.837	ng	100
27) 2,4-Dimethylphenol	9.743	122	408572	39.489	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	540282	38.502	ng	100
29) 2,4-Dichlorophenol	10.213	162	405233	39.427	ng	100
30) 1,2,4-Trichlorobenzene	10.425	180	434105	38.529	ng	100
31) Naphthalene	10.613	128	1326839	38.472	ng	100
32) Benzoic acid	9.872	122	301281	39.537	ng	100
33) 4-Chloroaniline	10.713	127	599466	39.350	ng	100
34) Hexachlorobutadiene	10.901	225	271549	38.700	ng	100
35) Caprolactam	11.495	113	145175	38.520	ng	100
36) 4-Chloro-3-methylphenol	11.837	107	459473	38.959	ng	100
37) 2-Methylnaphthalene	12.219	142	865427	38.559	ng	100
38) 1-Methylnaphthalene	12.437	142	909865	38.120	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	494141	38.787	ng	100
41) Hexachlorocyclopentadiene	12.572	237	307015	39.896	ng	100
43) 2,4,6-Trichlorophenol	12.825	196	337157	39.201	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

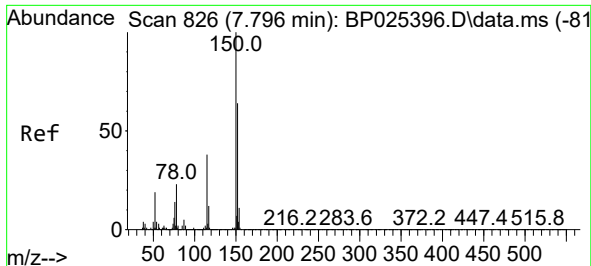
Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

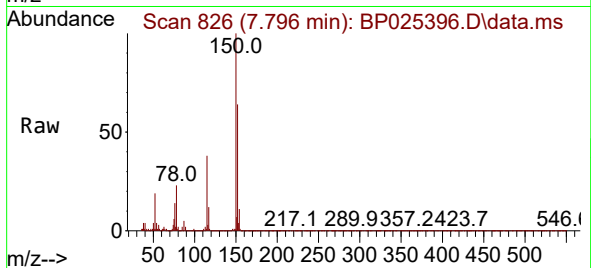
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	373880	39.664	ng	100
46) 1,1'-Biphenyl	13.231	154	1242247	38.777	ng	100
47) 2-Chloronaphthalene	13.272	162	970903	38.930	ng	100
48) 2-Nitroaniline	13.472	65	291341	40.092	ng	100
49) Acenaphthylene	14.125	152	1593636	38.617	ng	100
50) Dimethylphthalate	13.860	163	1237666	38.316	ng	100
51) 2,6-Dinitrotoluene	13.966	165	272750	40.061	ng	100
52) Acenaphthene	14.466	154	918569	37.921	ng	100
53) 3-Nitroaniline	14.301	138	301417	39.349	ng	100
54) 2,4-Dinitrophenol	14.507	184	144100	39.633	ng	100
55) Dibenzofuran	14.807	168	1479220	38.624	ng	100
56) 4-Nitrophenol	14.613	139	246542	39.168	ng	100
57) 2,4-Dinitrotoluene	14.766	165	386189	39.757	ng	100
58) Fluorene	15.466	166	1151825	38.115	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	324396	38.975	ng	100
60) Diethylphthalate	15.236	149	1264740	38.533	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	574546	38.228	ng	100
62) 4-Nitroaniline	15.478	138	309740	39.443	ng	100
63) Azobenzene	15.754	77	1091004	38.820	ng	100
65) 4,6-Dinitro-2-methylph...	15.542	198	217153	39.384	ng	100
66) n-Nitrosodiphenylamine	15.678	169	1045170	38.749	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	376864	38.739	ng	100
68) Hexachlorobenzene	16.489	284	428361	37.986	ng	100
69) Atrazine	16.654	200	386256	38.238	ng	100
70) Pentachlorophenol	16.842	266	278412	39.110	ng	100
71) Phenanthrene	17.242	178	1839191	37.851	ng	100
72) Anthracene	17.336	178	1908189	38.456	ng	100
73) Carbazole	17.613	167	1781890	38.125	ng	100
74) Di-n-butylphthalate	18.207	149	2201043	38.277	ng	100
75) Fluoranthene	19.324	202	2172758	37.488	ng	100
77) Benzidine	19.513	184	1738926	56.665	ng	100
78) Pyrene	19.701	202	2290461	39.189	ng	100
80) Butylbenzylphthalate	20.648	149	1041998	39.338	ng	100
81) Benzo(a)anthracene	21.630	228	2280774	38.460	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	877708	39.266	ng	100
83) Chrysene	21.695	228	2125866	38.278	ng	100
84) Bis(2-ethylhexyl)phtha...	21.583	149	1493804	38.310	ng	100
85) Di-n-octyl phthalate	22.871	149	2597558	38.730	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	2884713m	38.470	ng	
88) Benzo(b)fluoranthene	23.954	252	2318198	38.462	ng	100
89) Benzo(k)fluoranthene	24.030	252	2309091	38.285	ng	100
90) Benzo(a)pyrene	24.854	252	2265862	38.620	ng	100
91) Dibenzo(a,h)anthracene	28.953	278	2363840	38.589	ng	100
92) Benzo(g,h,i)perylene	30.059	276	2327292	38.654	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

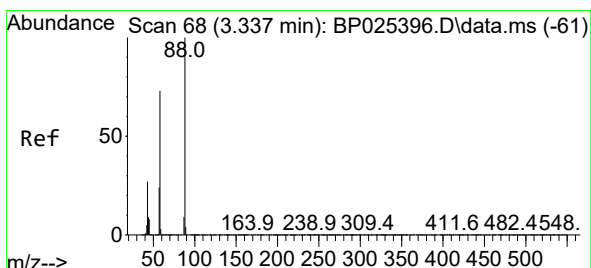
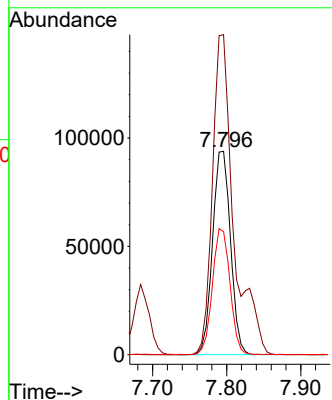
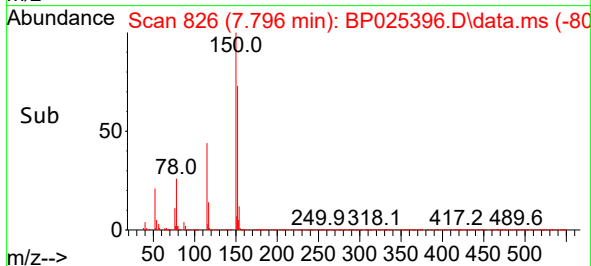
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



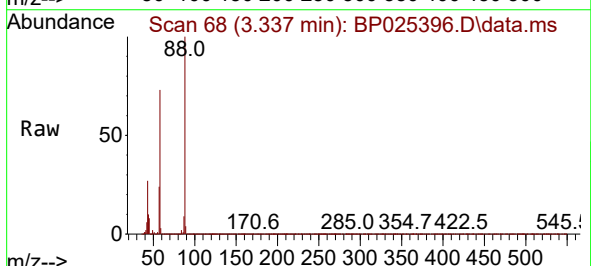
Tgt Ion:152 Resp: 157704
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 60.6 48.5 72.7

Manual Integrations
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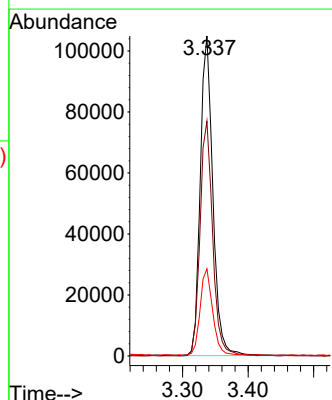
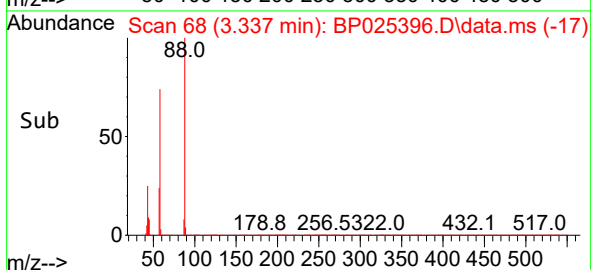
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

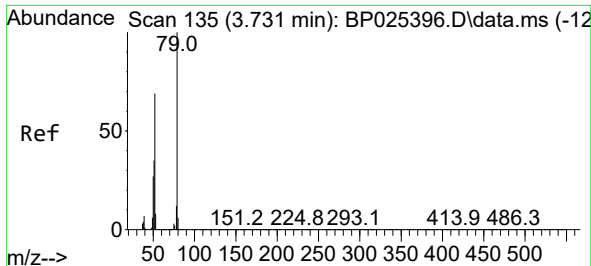


#2
1,4-Dioxane
Concen: 37.726 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



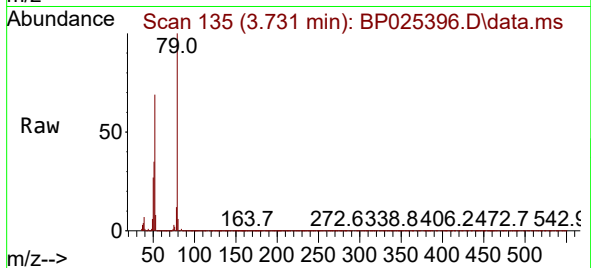
Tgt Ion: 88 Resp: 140326
Ion Ratio Lower Upper
88 100
58 74.0 59.2 88.8
43 27.1 21.7 32.5





#3
Pyridine
Concen: 37.809 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

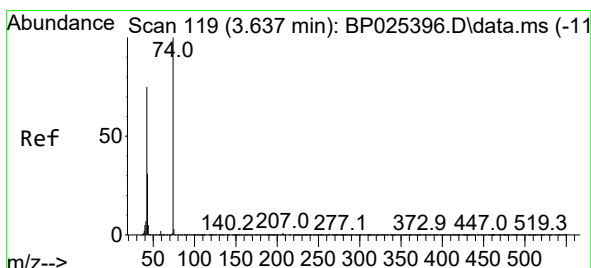
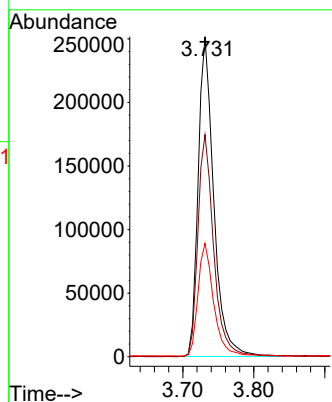
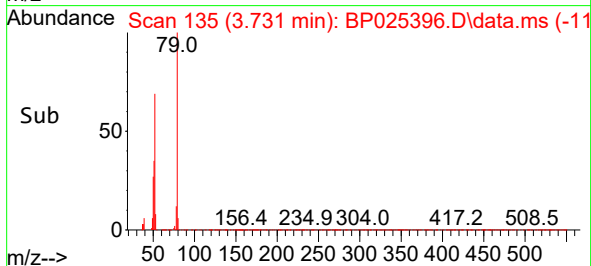
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



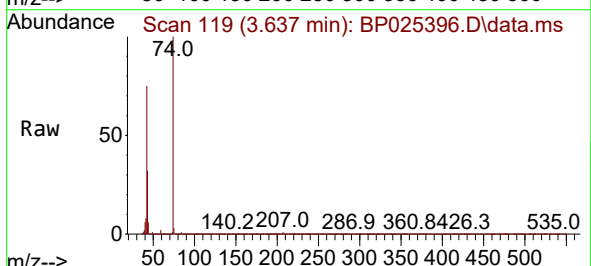
Tgt Ion: 79 Resp: 384930
Ion Ratio Lower Upper
79 100
52 69.4 55.5 83.3
51 35.4 28.3 42.5

Manual Integrations
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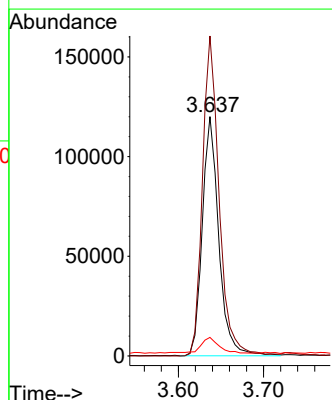
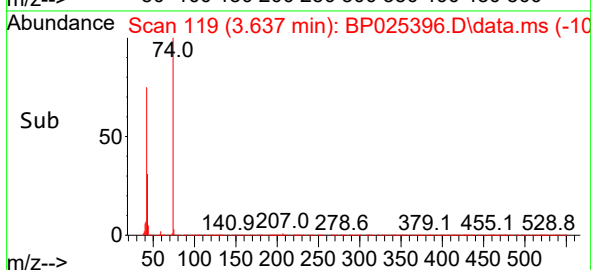
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

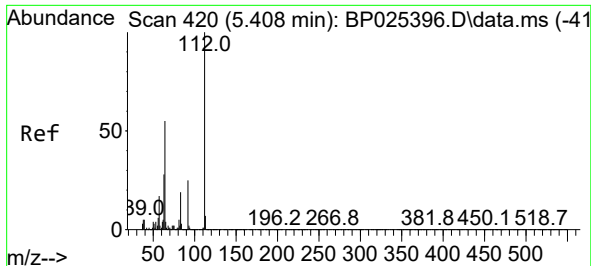


#4
n-Nitrosodimethylamine
Concen: 38.421 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion: 42 Resp: 161267
Ion Ratio Lower Upper
42 100
74 133.7 107.0 160.4
44 7.8 6.2 9.4





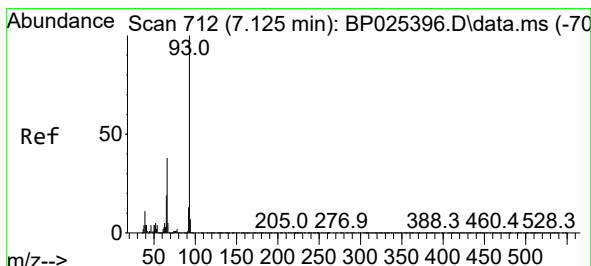
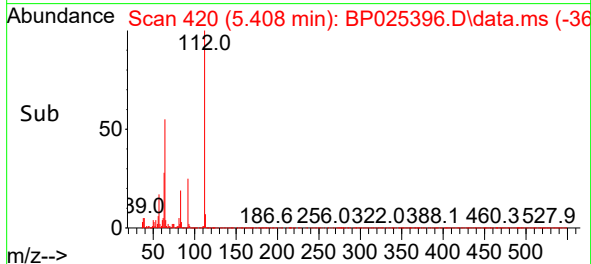
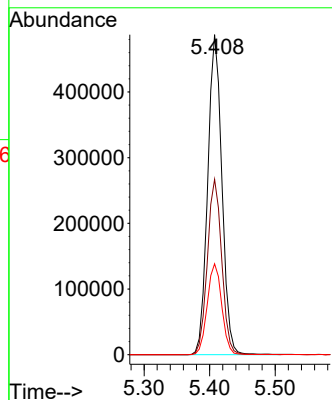
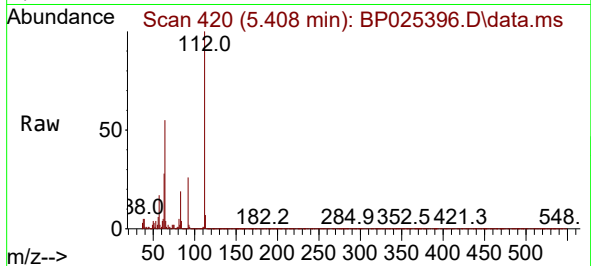
#5
2-Fluorophenol
Concen: 77.209 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 73319
Ion Ratio Lower Upper
112 100
64 54.8 43.8 65.8
63 28.4 22.7 34.1

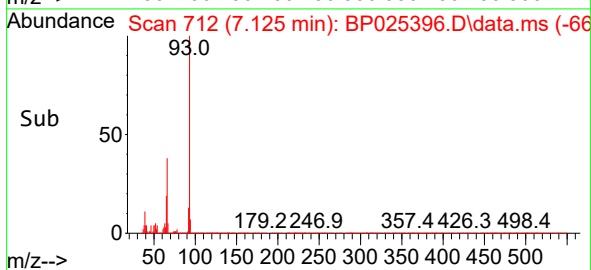
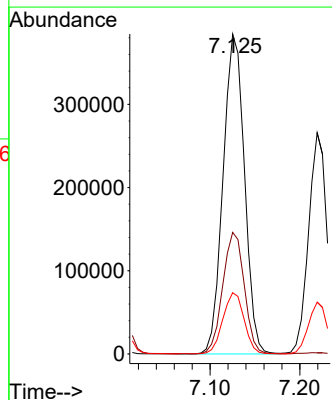
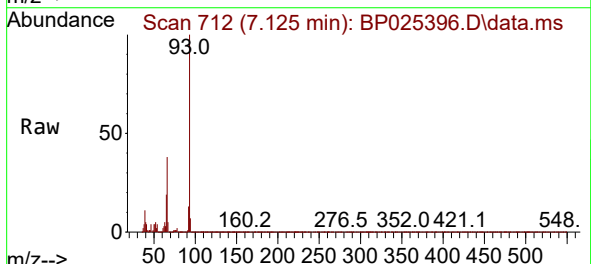
Manual Integrations
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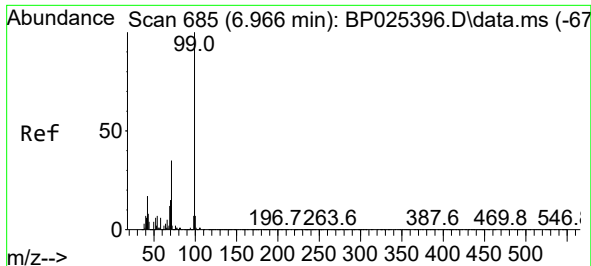
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 38.842 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 637156
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 19.1 15.3 22.9





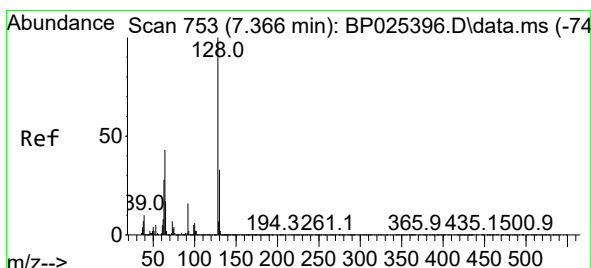
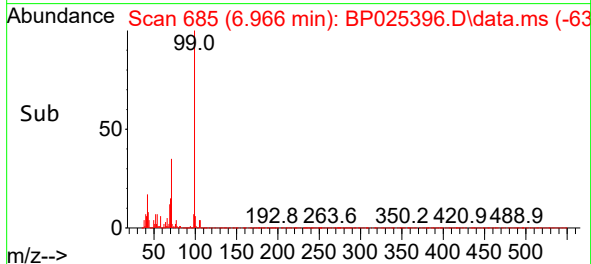
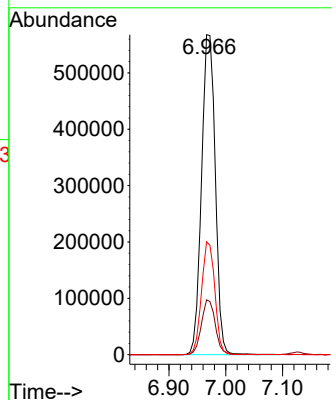
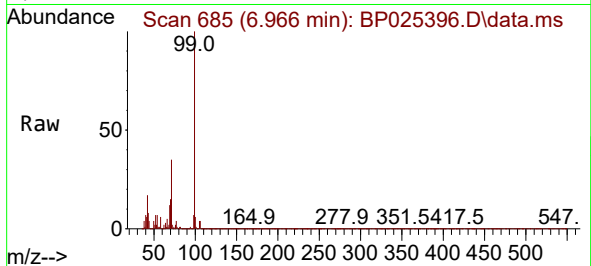
#7
Phenol-d6
Concen: 78.381 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
Client Sample Id :
SSTDICCC040

Tgt Ion: 99 Resp: 95428
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 35.3 28.2 42.4

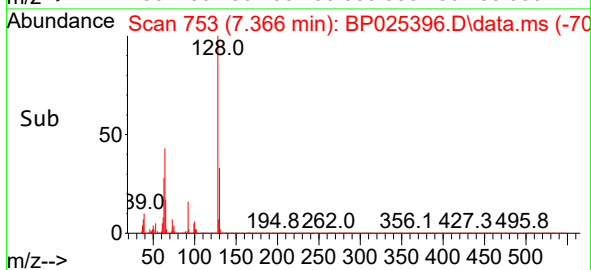
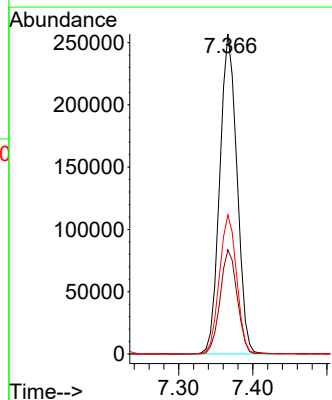
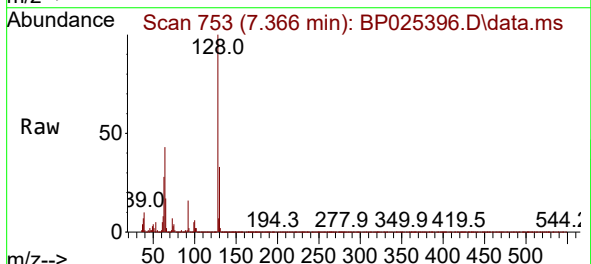
Manual Integrations
APPROVED

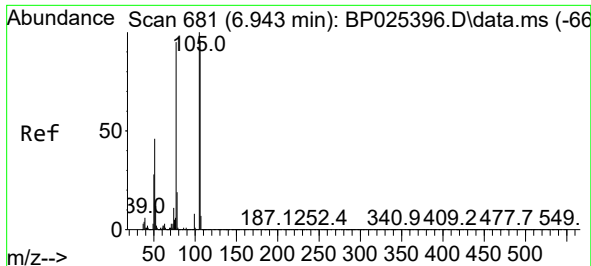
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 38.655 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

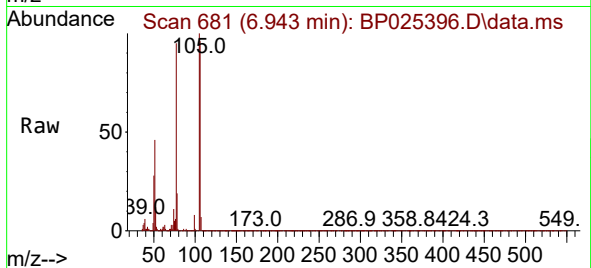
Tgt Ion:128 Resp: 414233
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 43.4 23.4 63.4





#9
Benzaldehyde
Concen: 50.493 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

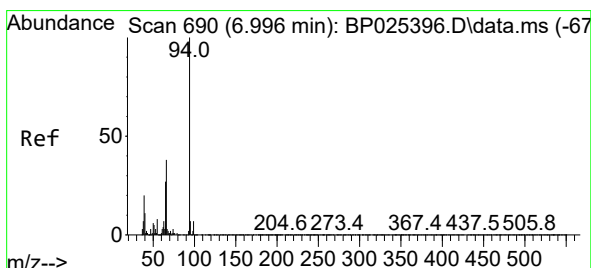
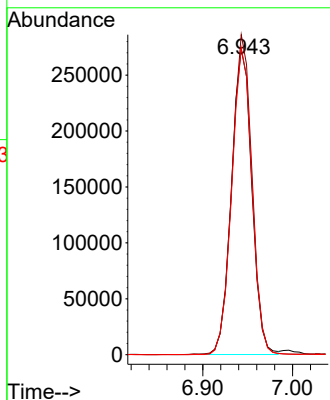
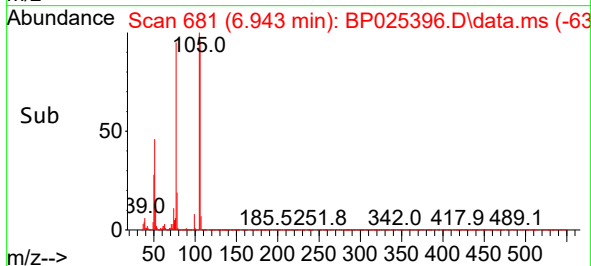
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



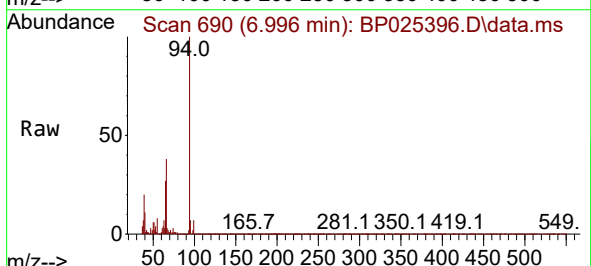
Tgt Ion: 77 Resp: 430704
Ion Ratio Lower Upper
77 100
105 104.8 84.8 124.8
106 100.5 80.5 120.5

Manual Integrations
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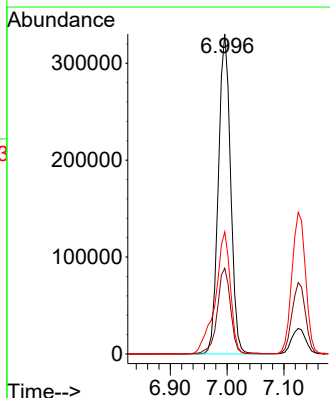
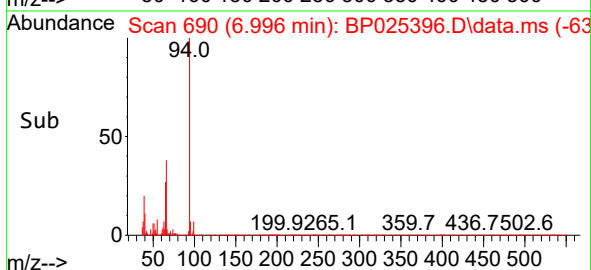
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

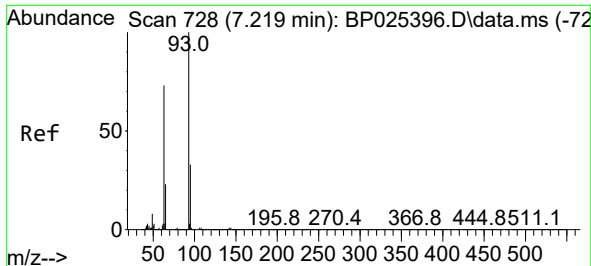


#10
Phenol
Concen: 38.884 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



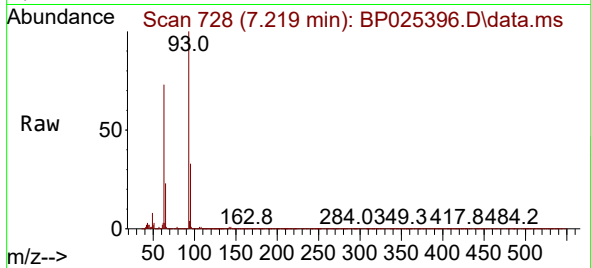
Tgt Ion: 94 Resp: 496755
Ion Ratio Lower Upper
94 100
65 26.8 6.8 46.8
66 38.2 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 38.698 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

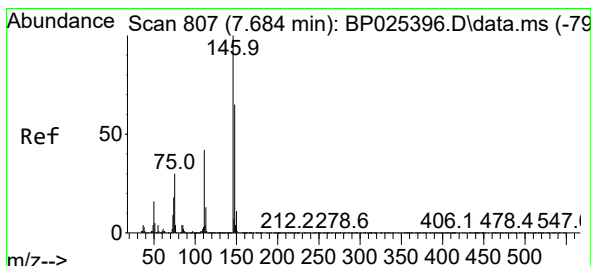
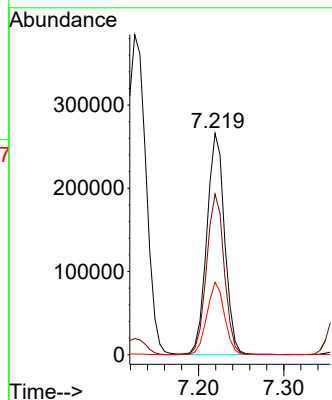
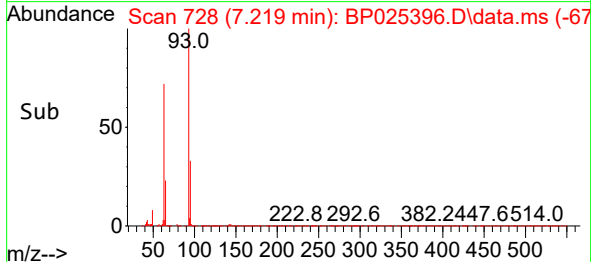
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



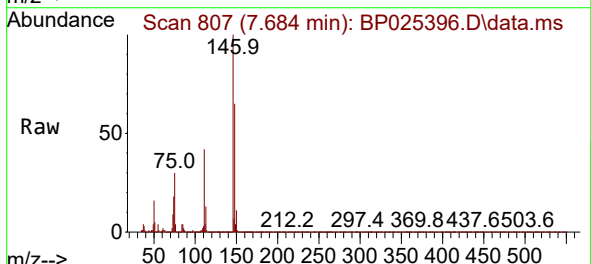
Tgt Ion: 93 Resp: 385335
Ion Ratio Lower Upper
93 100
63 72.6 52.6 92.6
95 32.7 12.7 52.7

Manual Integrations
APPROVED

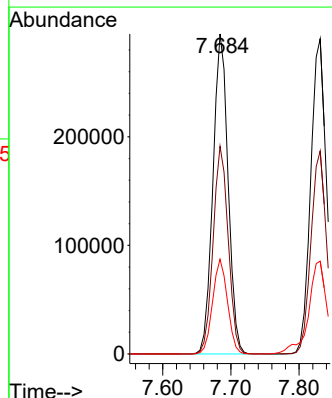
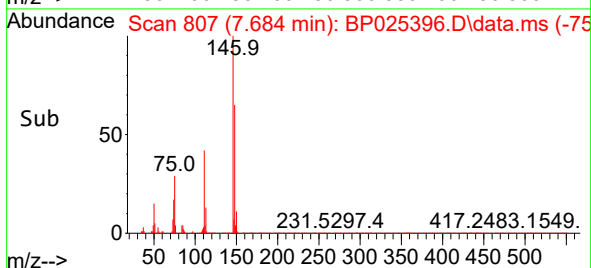
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

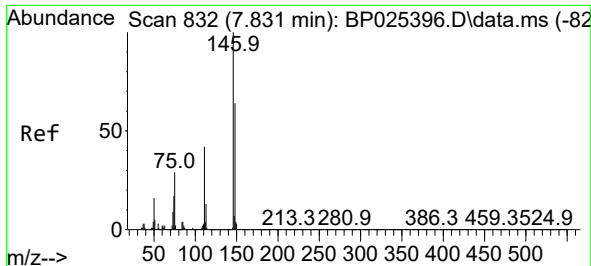


#12
1,3-Dichlorobenzene
Concen: 38.523 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion:146 Resp: 455200
Ion Ratio Lower Upper
146 100
148 64.9 51.9 77.9
75 29.6 23.7 35.5





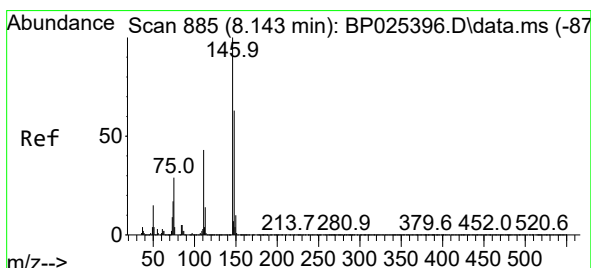
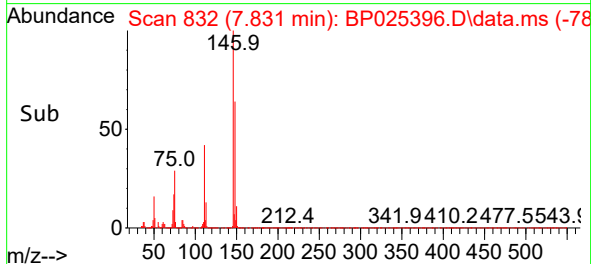
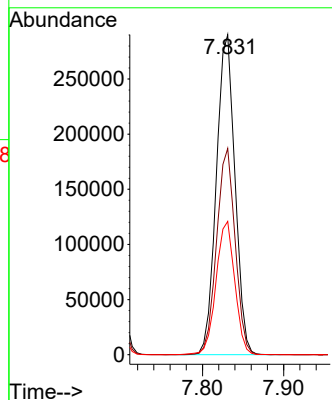
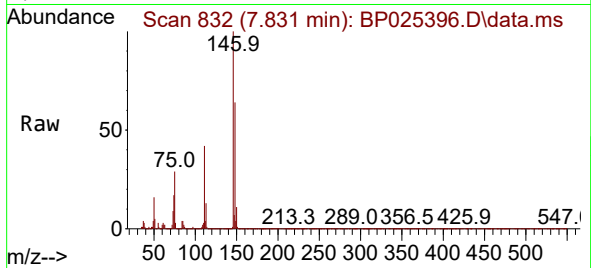
#13
1,4-Dichlorobenzene
Concen: 38.319 ng
RT: 7.831 min Scan# 832
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
Client Sample Id :
SSTDICCC040

Tgt Ion:146 Resp: 462800
Ion Ratio Lower Upper
146 100
148 64.5 51.6 77.4
111 41.7 33.4 50.0

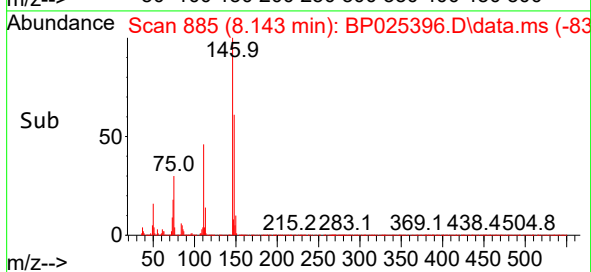
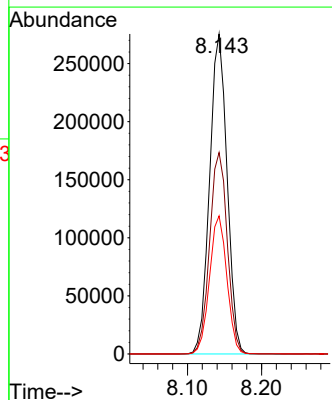
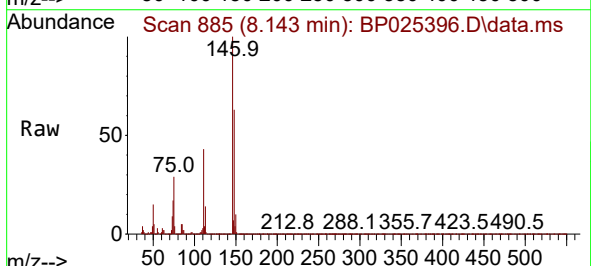
Manual Integrations
APPROVED

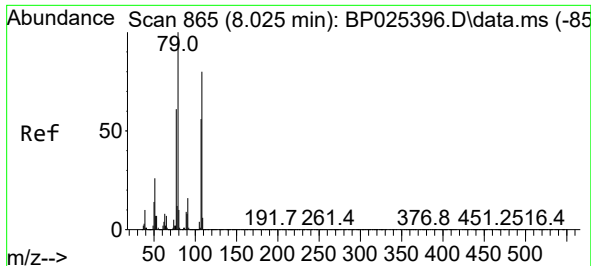
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#14
1,2-Dichlorobenzene
Concen: 38.602 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 451306
Ion Ratio Lower Upper
146 100
148 63.0 50.4 75.6
111 43.1 34.5 51.7





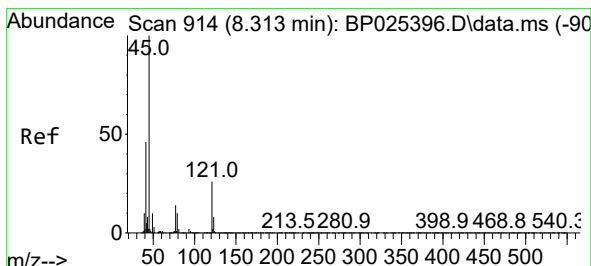
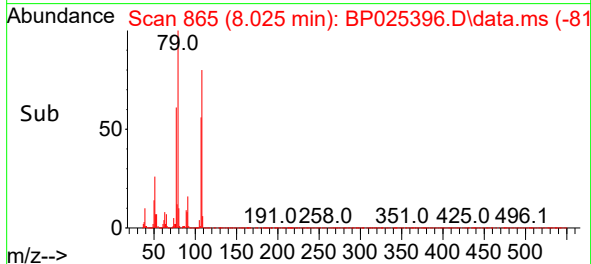
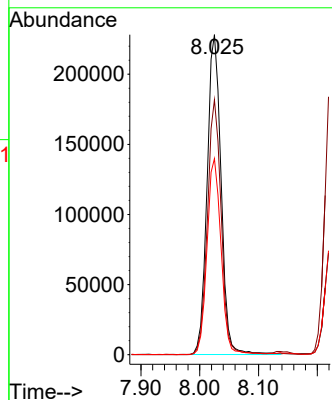
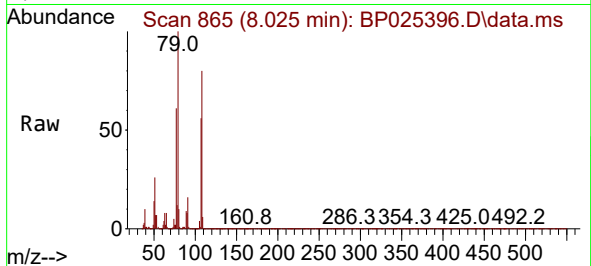
#15
Benzyl Alcohol
Concen: 38.901 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 37632
Ion Ratio Lower Upper
79 100
108 79.7 63.8 95.6
77 61.2 49.0 73.4

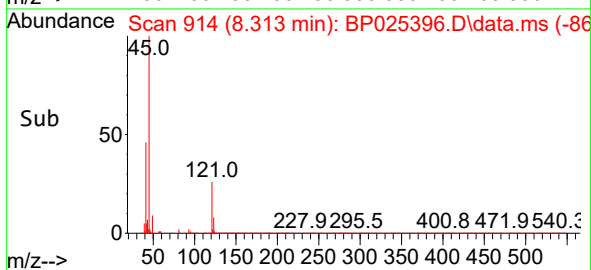
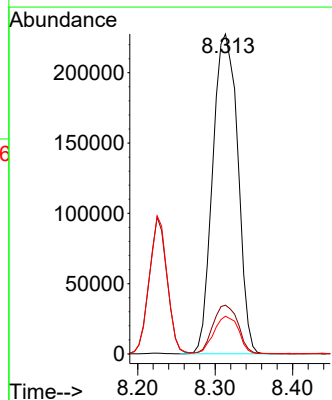
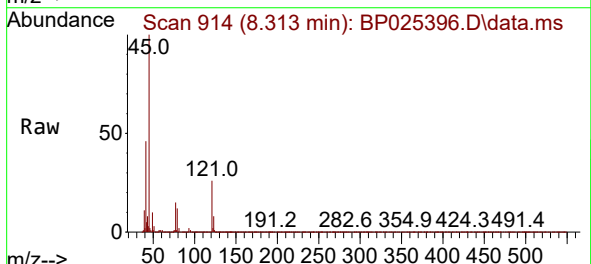
Manual Integrations
APPROVED

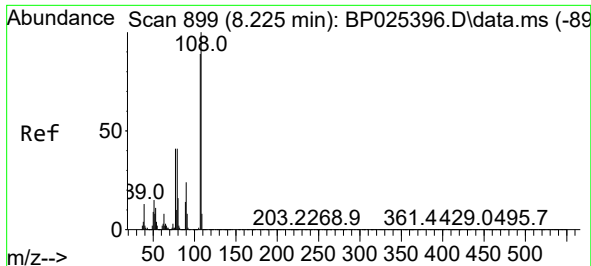
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.308 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

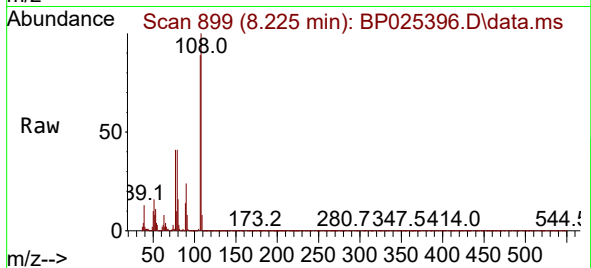
Tgt Ion: 45 Resp: 510991
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.3
79 11.8 0.0 31.8





#17
2-Methylphenol
Concen: 39.369 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

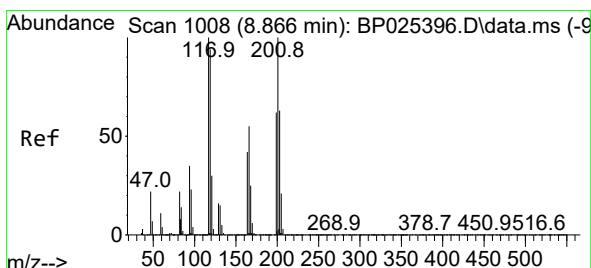
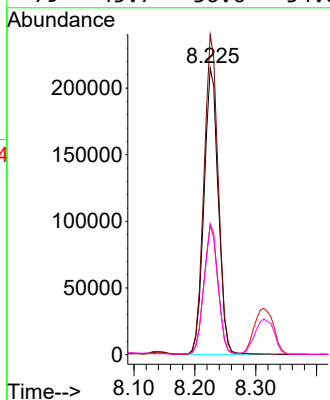
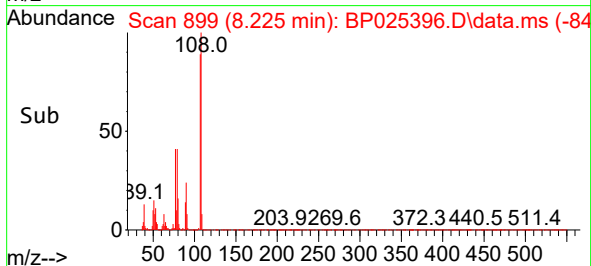
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



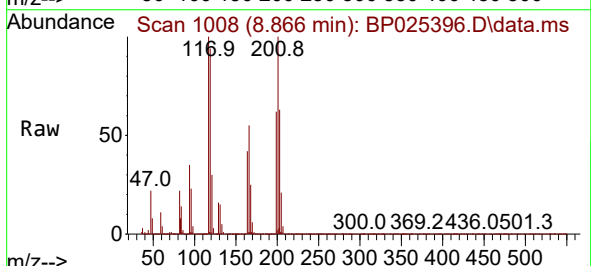
Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.4	134.0
77	45.4	36.3	54.5
79	45.7	36.6	54.8

Manual Integrations
APPROVED

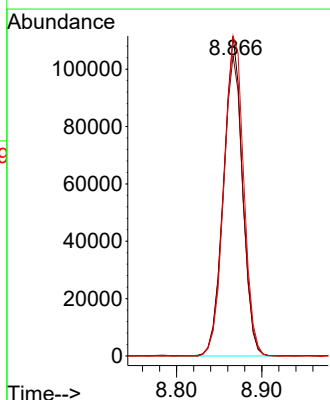
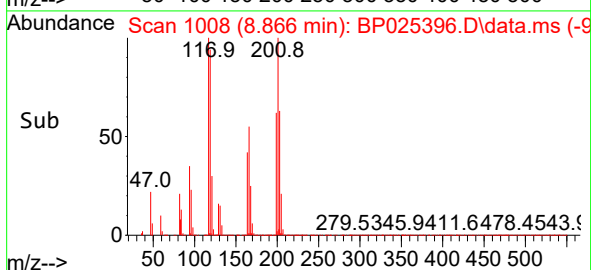
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

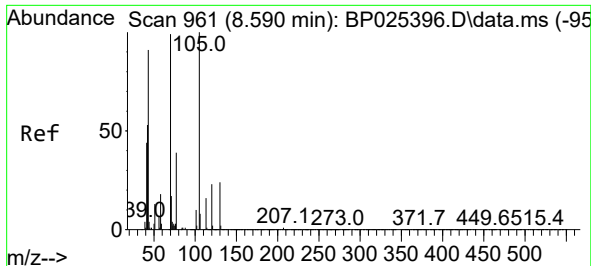


#18
Hexachloroethane
Concen: 38.712 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.1	112.7
201	100.1	80.1	120.1





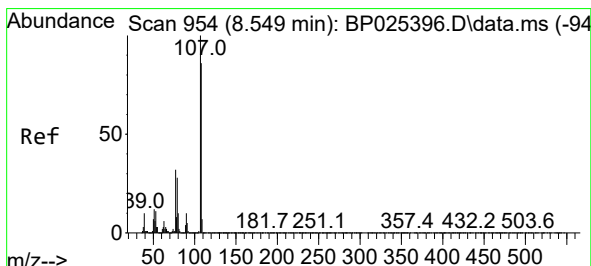
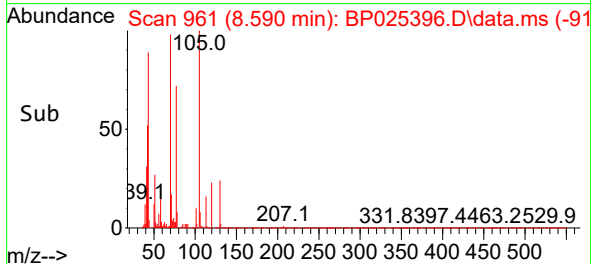
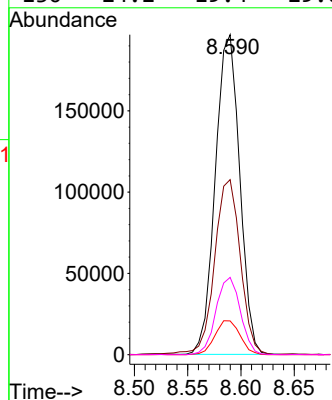
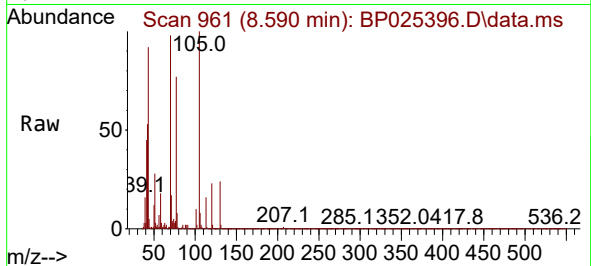
#19
n-Nitroso-di-n-propylamine
Concen: 38.737 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 31277
Ion Ratio Lower Upper
70 100
42 54.7 43.8 65.6
101 10.6 8.5 12.7
130 24.2 19.4 29.0

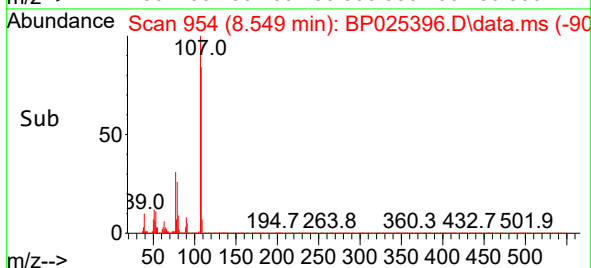
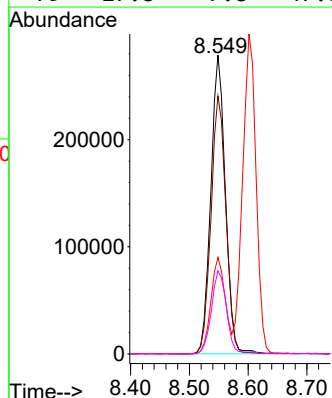
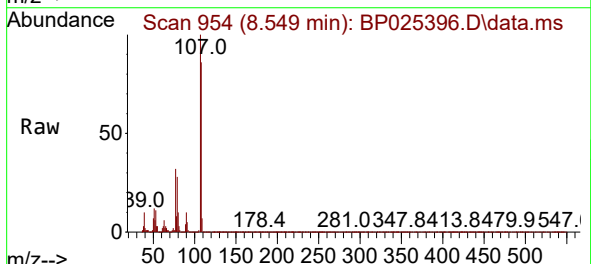
Manual Integrations
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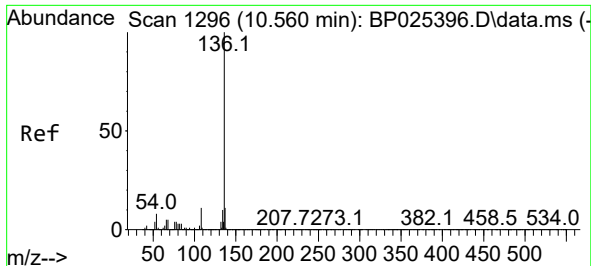
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#20
3+4-Methylphenols
Concen: 39.121 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

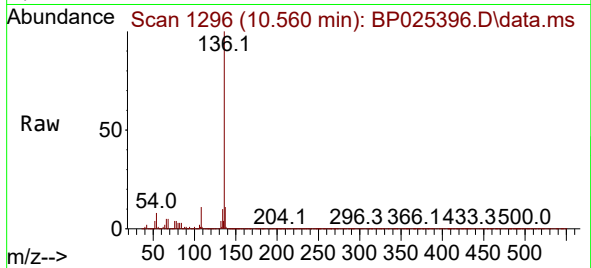
Tgt Ion:107 Resp: 481148
Ion Ratio Lower Upper
107 100
108 86.3 66.3 106.3
77 32.3 12.3 52.3
79 27.8 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

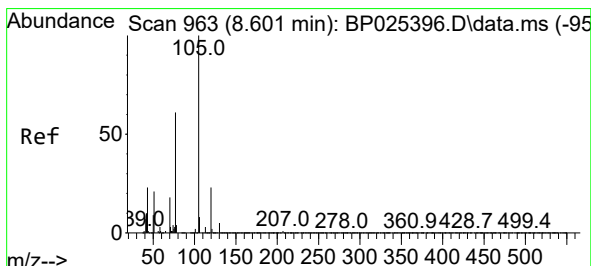
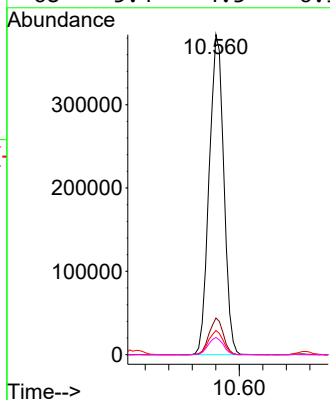
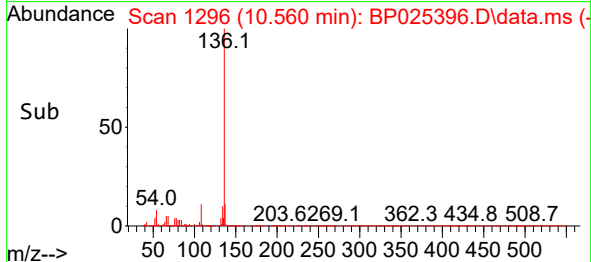
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:	136	Resp:	66355
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	5.4	4.3	6.5

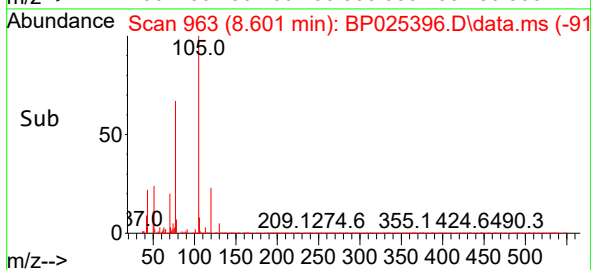
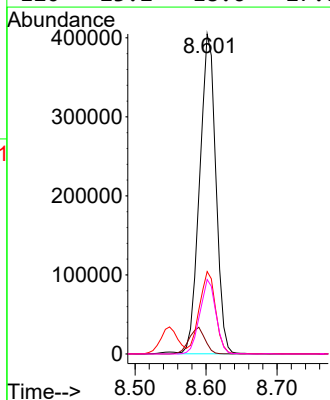
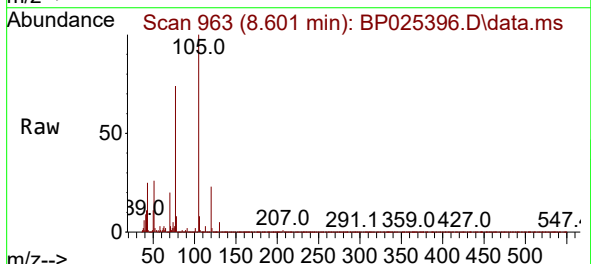
Manual Integrations
APPROVED

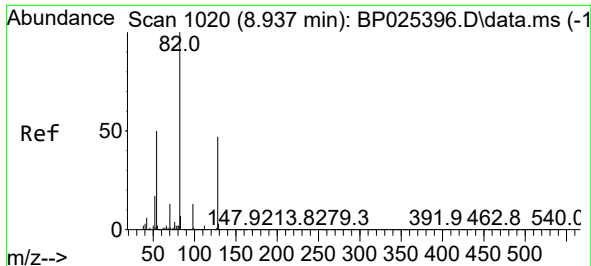
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#22
Acetophenone
Concen: 38.708 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

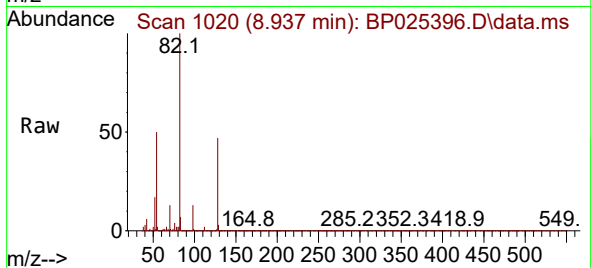
Tgt Ion:	105	Resp:	644124
Ion Ratio	Lower	Upper	
105	100		
71	3.3	2.6	4.0
51	25.7	20.6	30.8
120	23.2	18.6	27.8





#23
Nitrobenzene-d5
Concen: 77.420 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

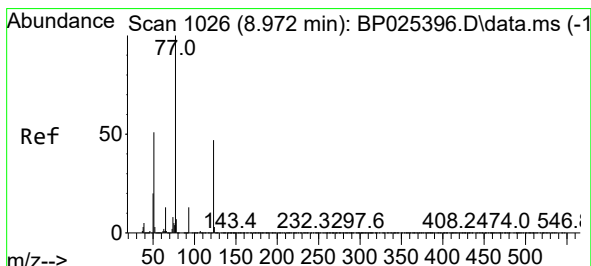
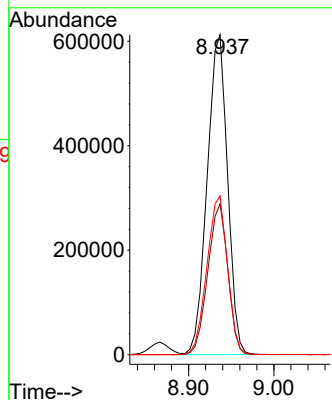
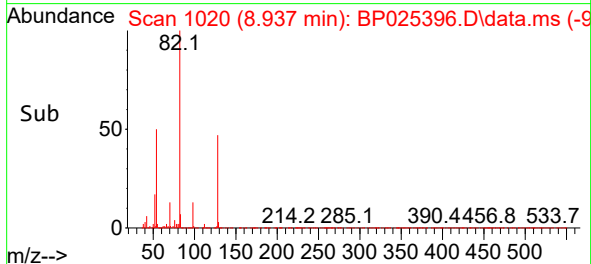
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



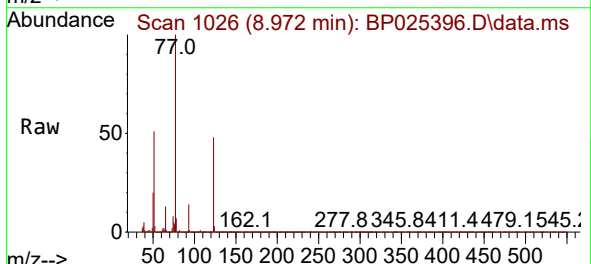
Tgt Ion: 82 Resp: 101555
Ion Ratio Lower Upper
82 100
128 47.1 37.7 56.5
54 49.7 39.8 59.6

Manual Integrations
APPROVED

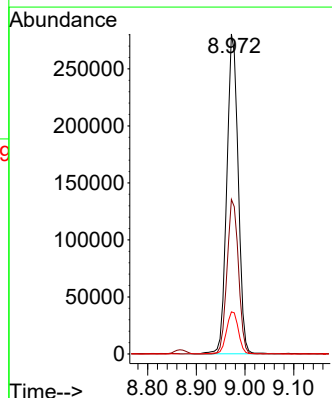
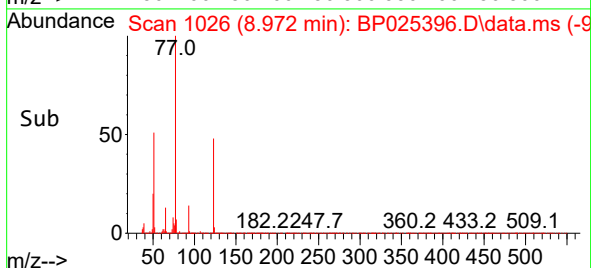
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

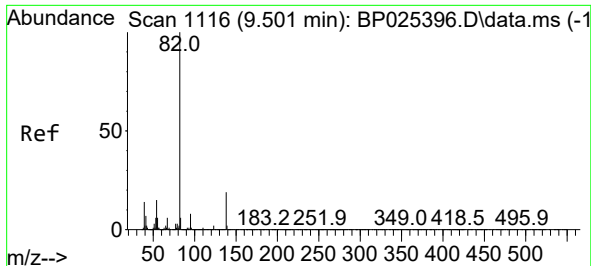


#24
Nitrobenzene
Concen: 38.997 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion: 77 Resp: 457175
Ion Ratio Lower Upper
77 100
123 48.3 38.6 58.0
65 13.2 10.6 15.8





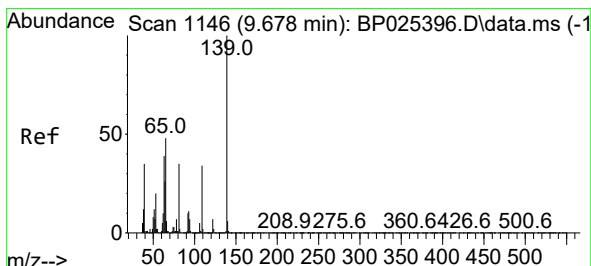
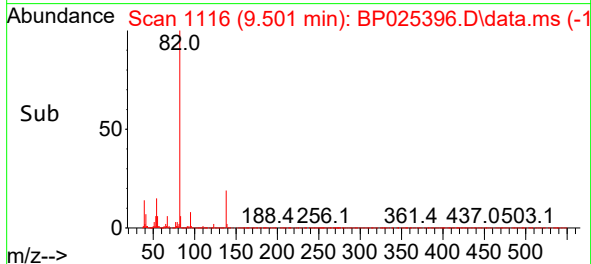
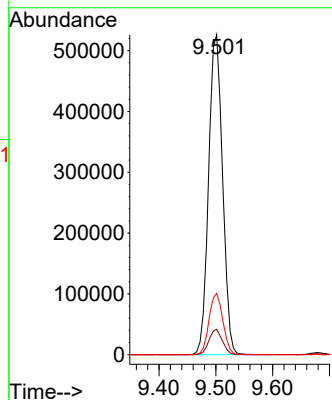
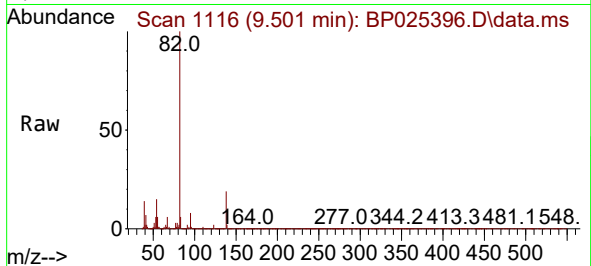
#25
Isophorone
Concen: 38.510 ng
RT: 9.501 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 89398
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 19.2 15.4 23.0

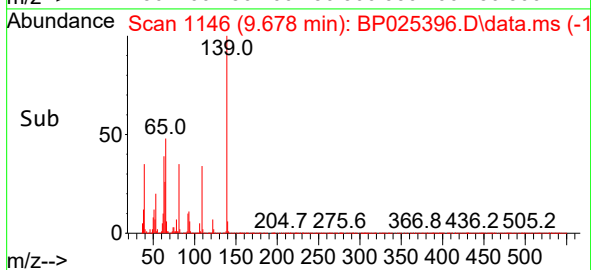
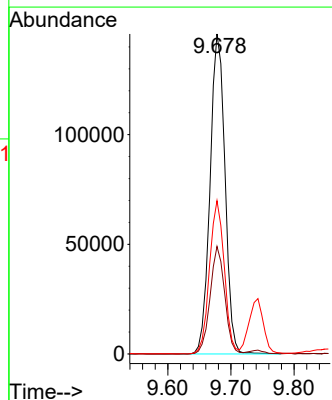
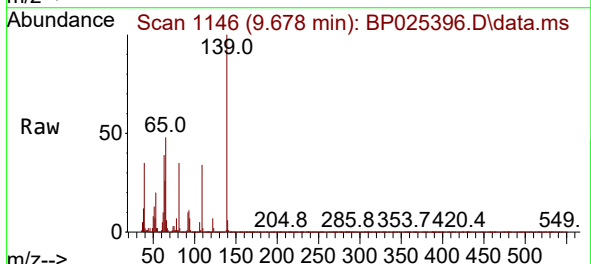
Manual Integrations
APPROVED

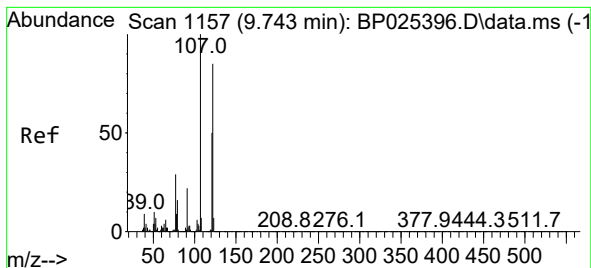
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#26
2-Nitrophenol
Concen: 39.837 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

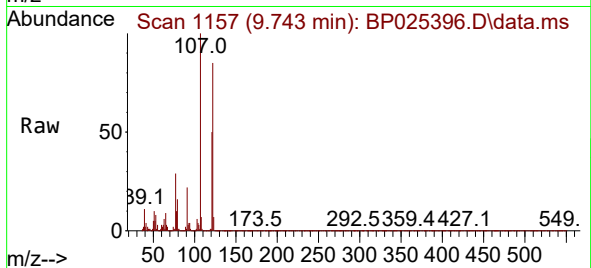
Tgt Ion:139 Resp: 239675
Ion Ratio Lower Upper
139 100
109 33.6 26.9 40.3
65 47.9 38.3 57.5





#27
2,4-Dimethylphenol
Concen: 39.489 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

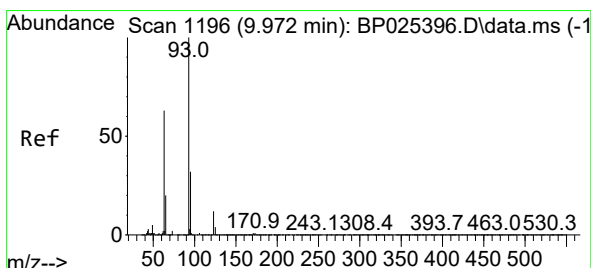
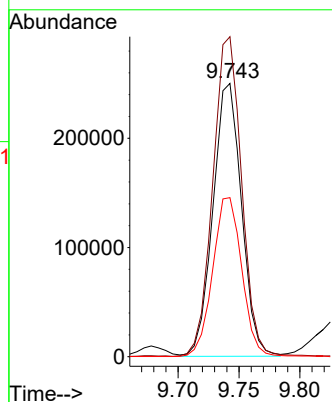
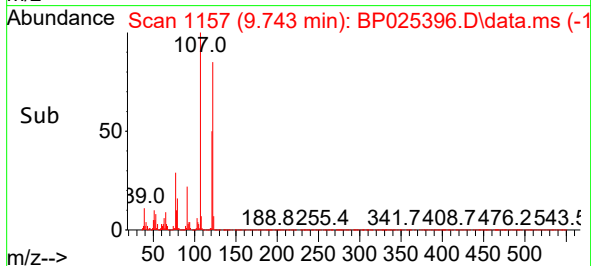
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



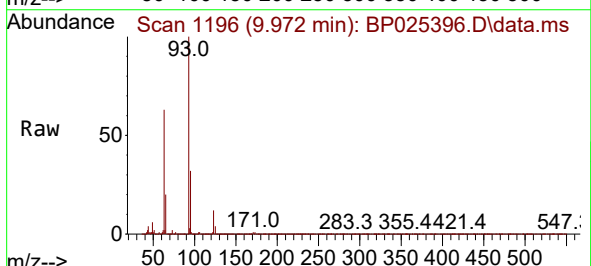
Tgt Ion: 122 Resp: 408572
Ion Ratio Lower Upper
122 100
107 117.1 93.7 140.5
121 58.2 46.6 69.8

Manual Integrations
APPROVED

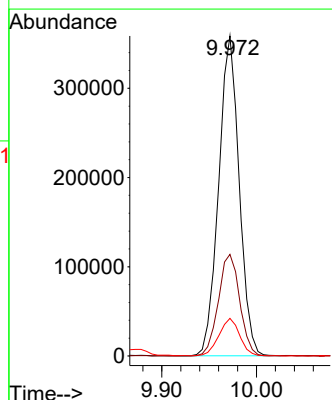
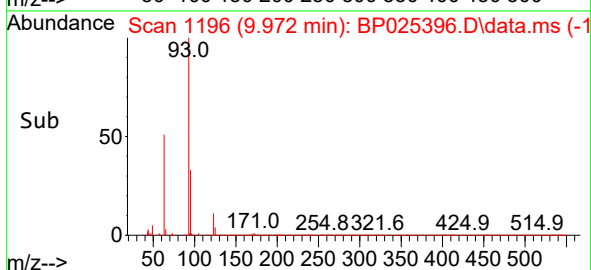
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

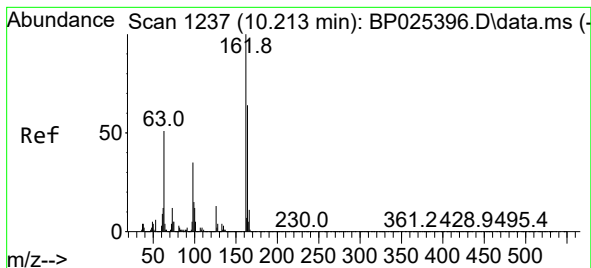


#28
bis(2-Chloroethoxy)methane
Concen: 38.502 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



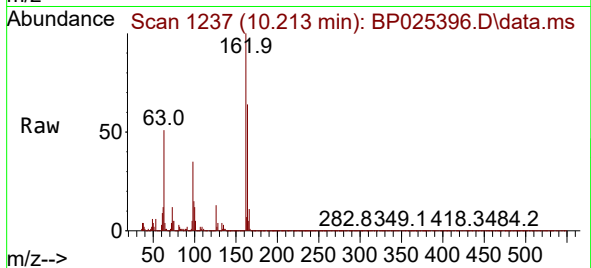
Tgt Ion: 93 Resp: 540282
Ion Ratio Lower Upper
93 100
95 31.7 25.4 38.0
123 11.7 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 39.427 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

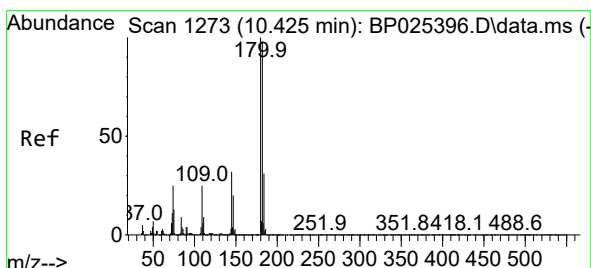
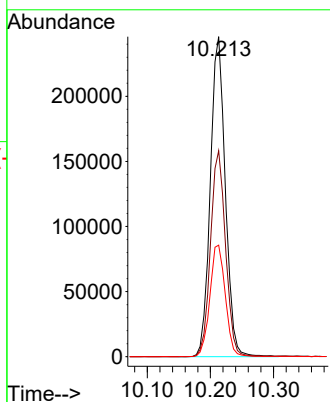
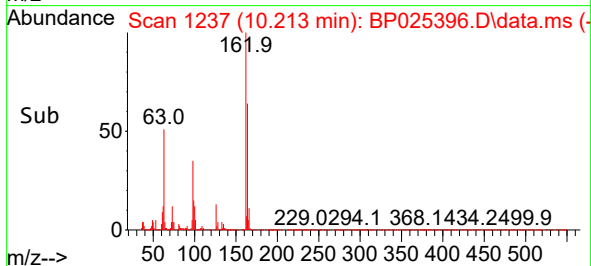
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



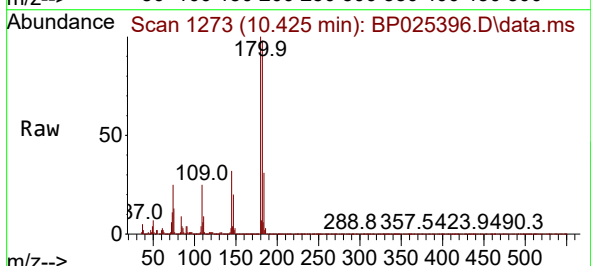
Tgt Ion:162 Resp: 40523
Ion Ratio Lower Upper
162 100
164 64.4 44.4 84.4
98 34.9 14.9 54.9

Manual Integrations
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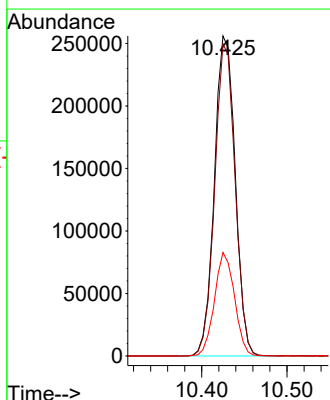
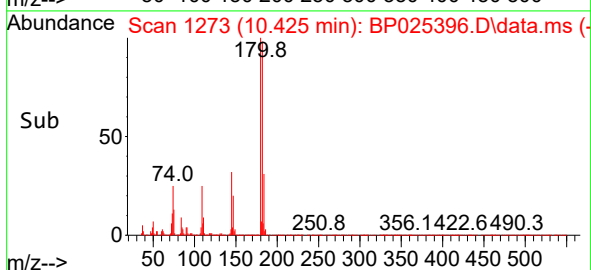
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

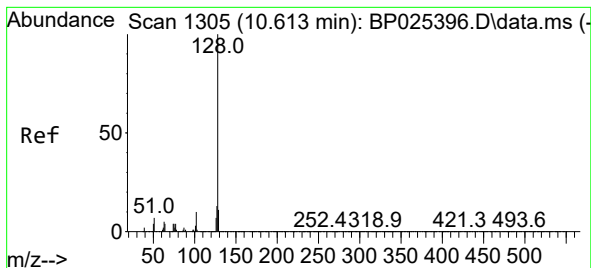


#30
1,2,4-Trichlorobenzene
Concen: 38.529 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



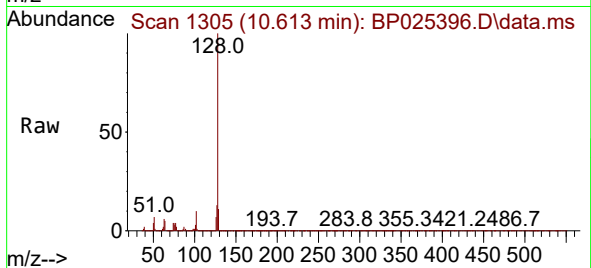
Tgt Ion:180 Resp: 434105
Ion Ratio Lower Upper
180 100
182 97.5 78.0 117.0
145 32.4 25.9 38.9





#31
Naphthalene
Concen: 38.472 ng
RT: 10.613 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

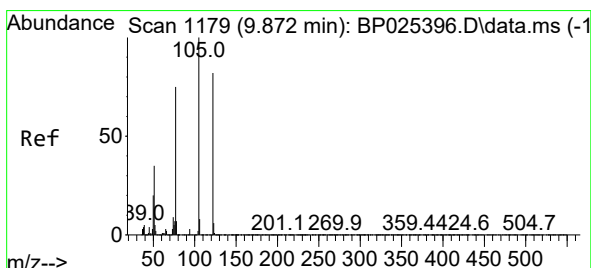
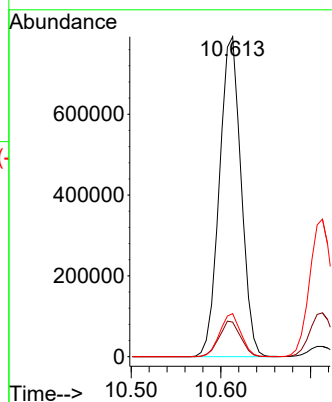
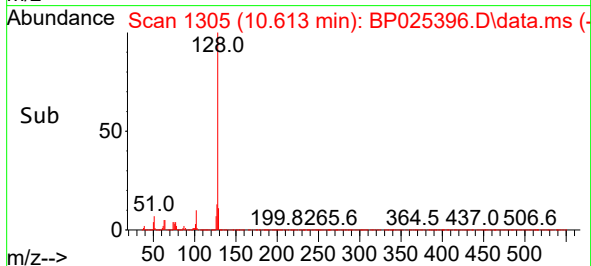
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



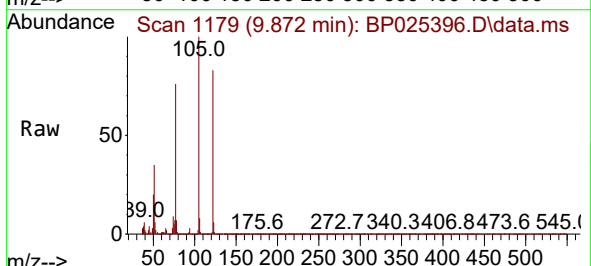
Tgt Ion:128 Resp: 1326839
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.4 10.7 16.1

Manual Integrations
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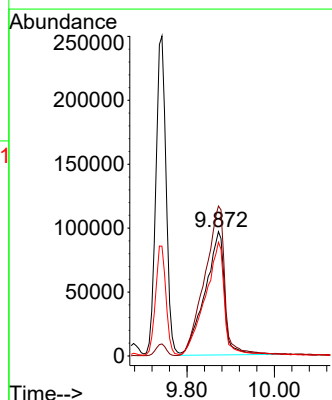
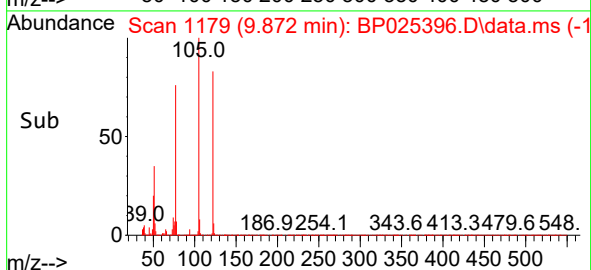
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

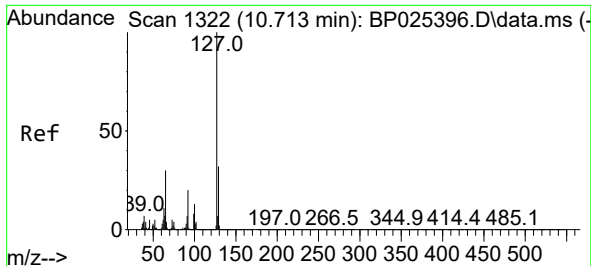


#32
Benzoic acid
Concen: 39.537 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



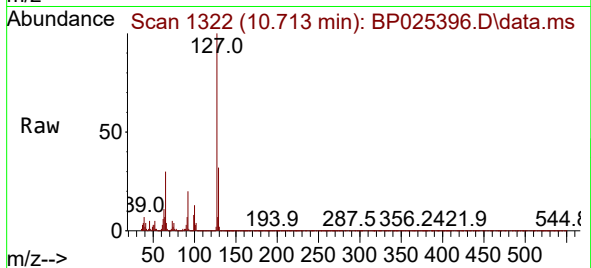
Tgt Ion:122 Resp: 301281
Ion Ratio Lower Upper
122 100
105 120.6 100.6 140.6
77 91.5 71.5 111.5





#33
4-Chloroaniline
Concen: 39.350 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

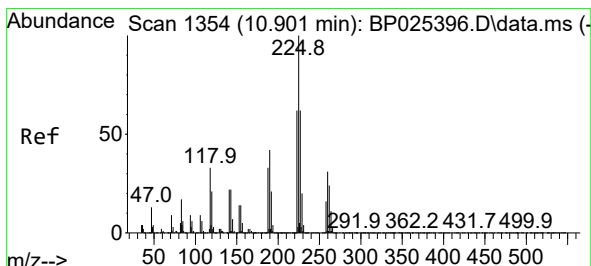
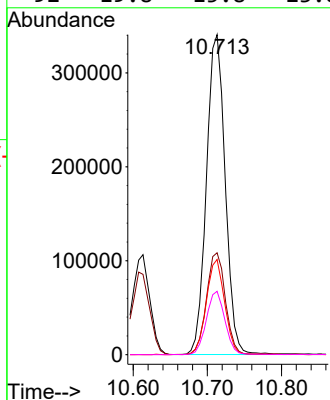
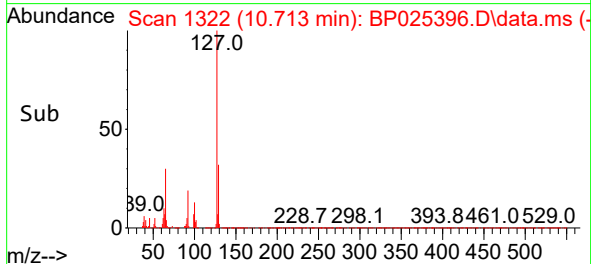
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	29.7	23.8	35.6
92	19.8	15.8	23.8

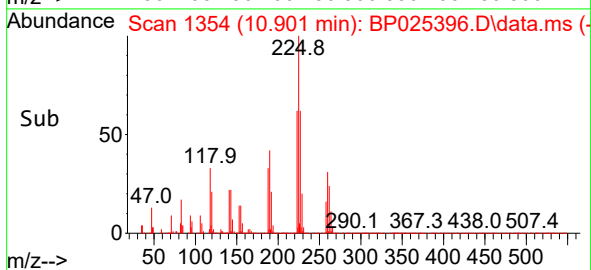
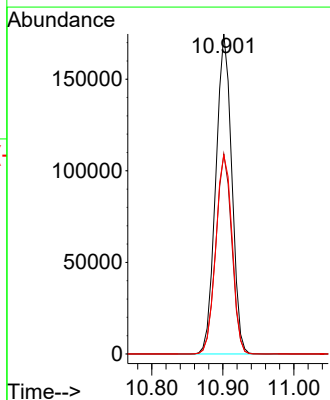
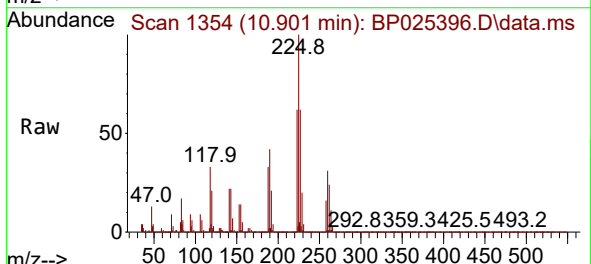
Manual Integrations
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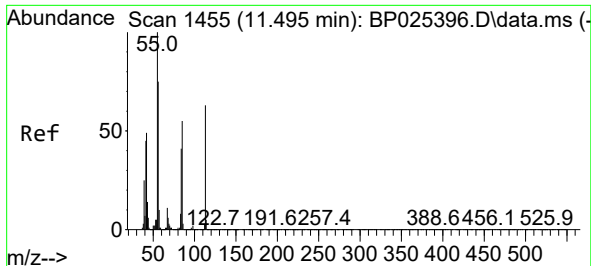
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#34
Hexachlorobutadiene
Concen: 38.700 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

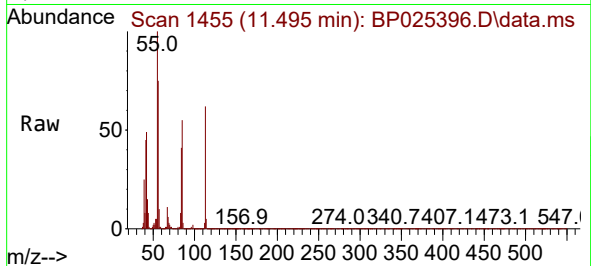
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	62.1	49.7	74.5





#35
Caprolactam
Concen: 38.520 ng
RT: 11.495 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

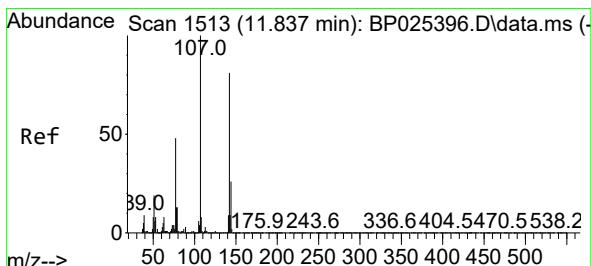
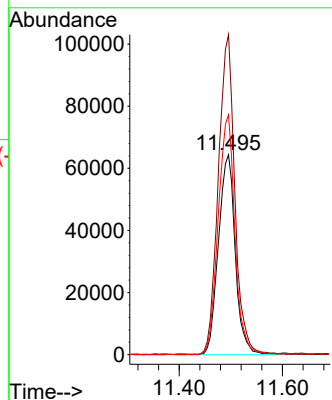
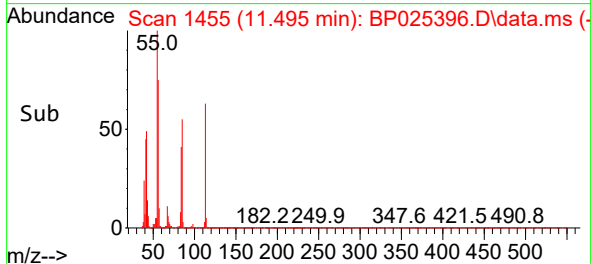
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



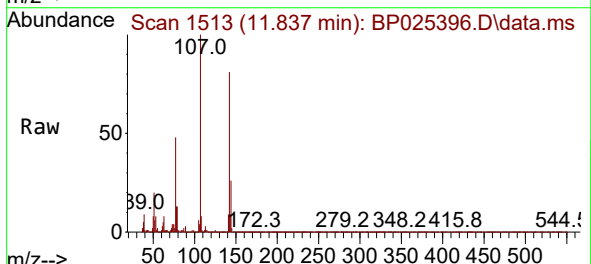
Tgt Ion:113 Resp: 14517
Ion Ratio Lower Upper
113 100
55 160.0 140.0 180.0
56 120.0 100.0 140.0

Manual Integrations
APPROVED

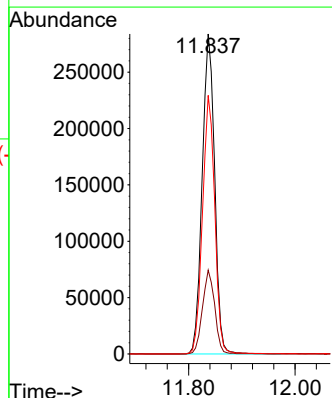
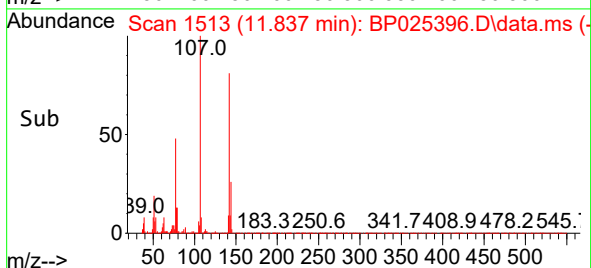
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

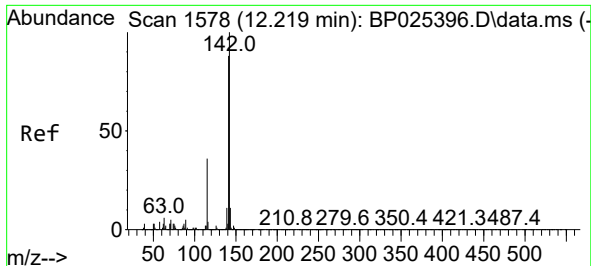


#36
4-Chloro-3-methylphenol
Concen: 38.959 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion:107 Resp: 459473
Ion Ratio Lower Upper
107 100
144 26.2 21.0 31.4
142 80.8 64.6 97.0





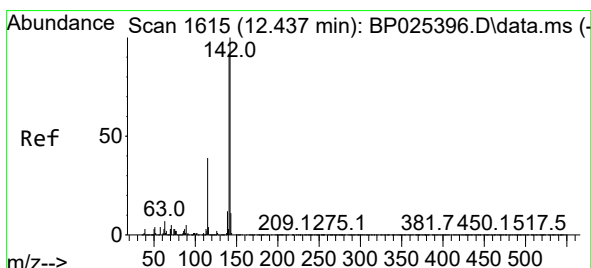
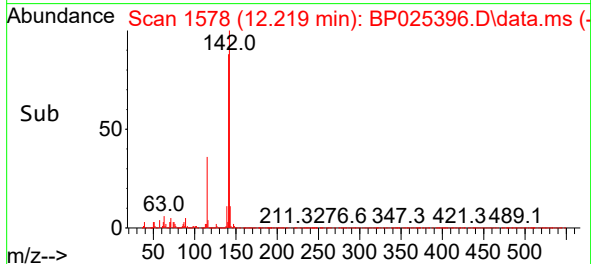
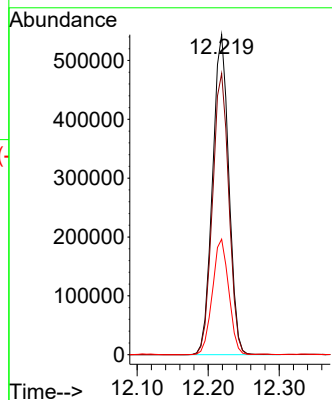
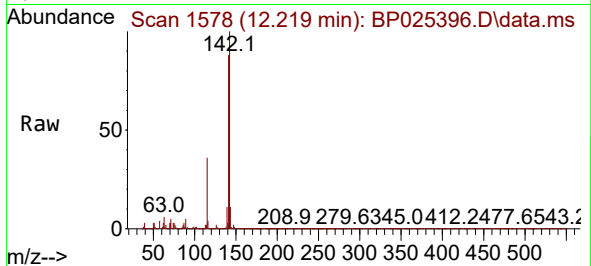
#37
2-Methylnaphthalene
Concen: 38.559 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 86542
Ion Ratio Lower Upper
142 100
141 87.9 70.3 105.5
115 36.1 28.9 43.3

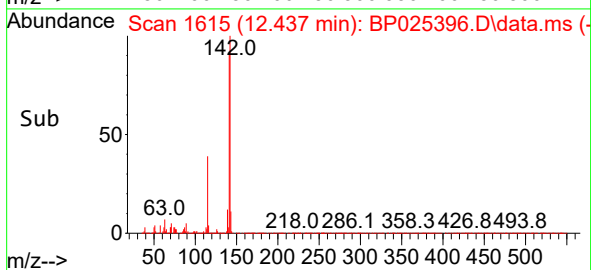
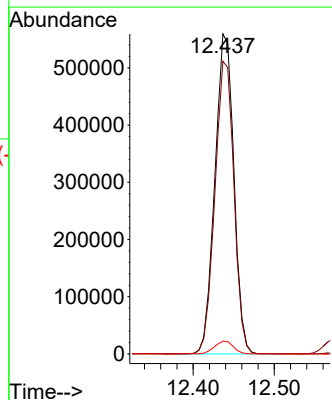
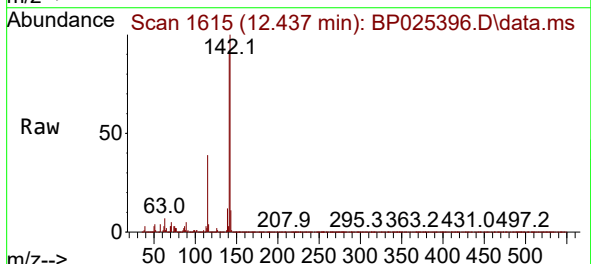
Manual Integrations
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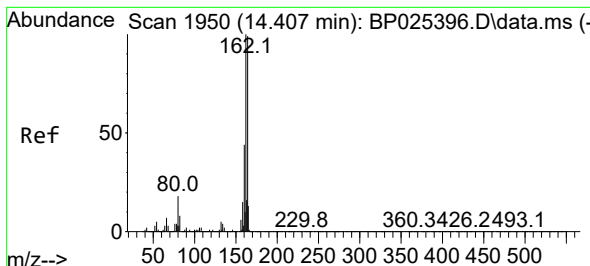
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#38
1-Methylnaphthalene
Concen: 38.120 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

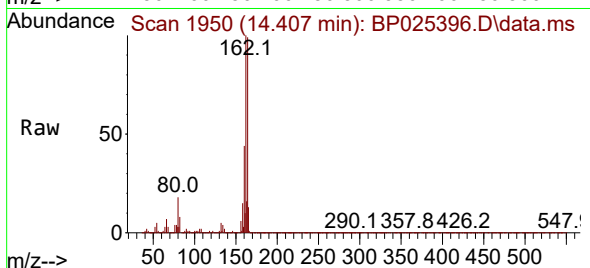
Tgt Ion:142 Resp: 909865
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 4.0 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

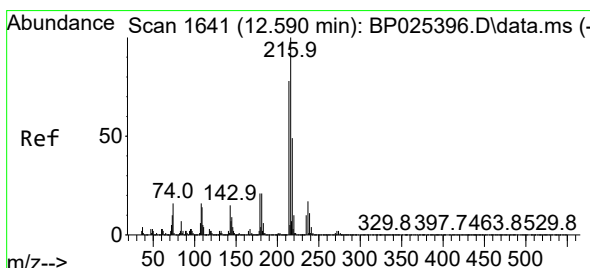
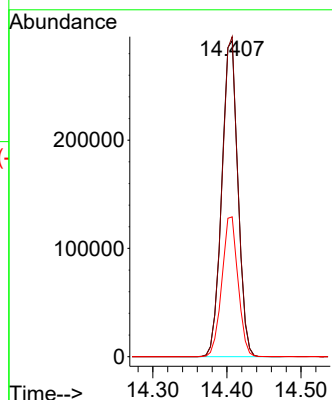
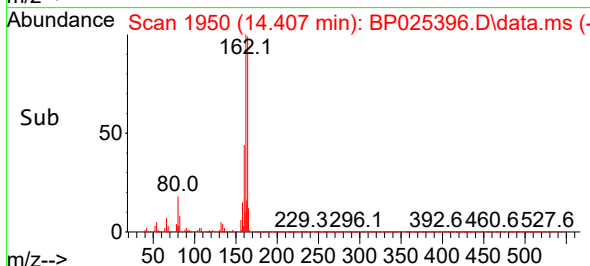
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



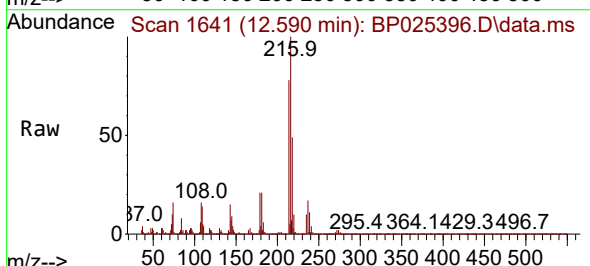
Tgt Ion:164 Resp: 441110
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.6
160 44.3 35.4 53.2

Manual Integrations
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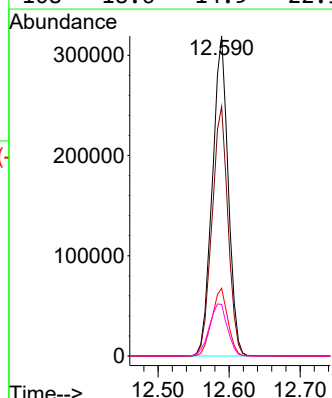
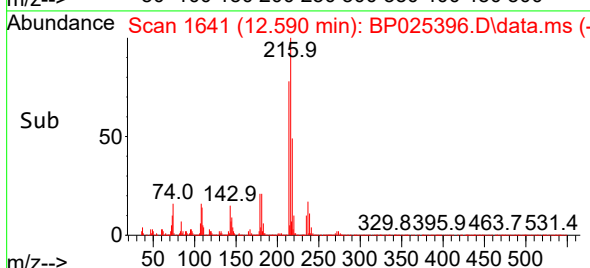
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

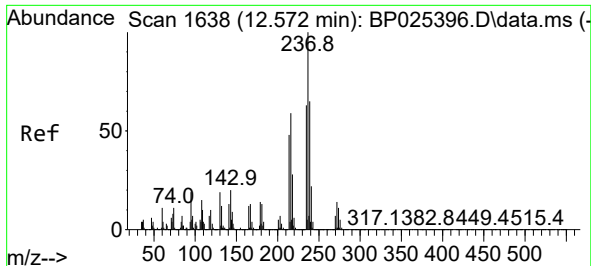


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.787 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



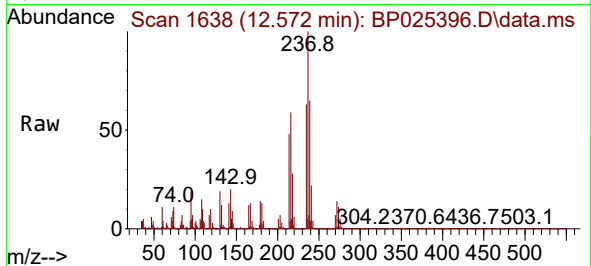
Tgt Ion:216 Resp: 494141
Ion Ratio Lower Upper
216 100
214 78.7 63.0 94.4
179 21.4 17.1 25.7
108 18.6 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 39.896 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

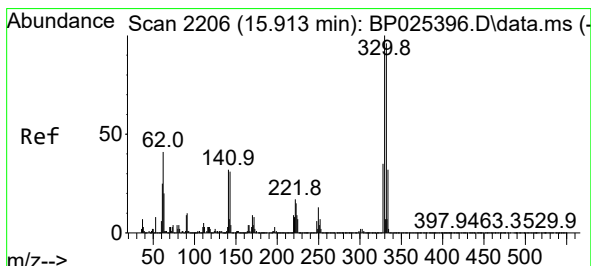
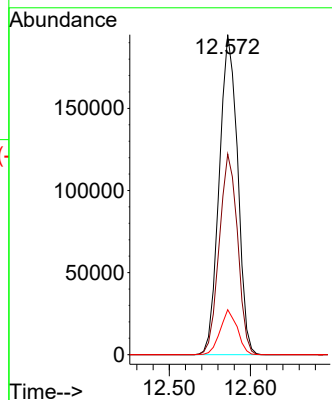
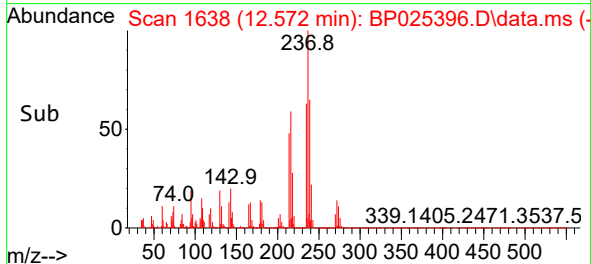
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



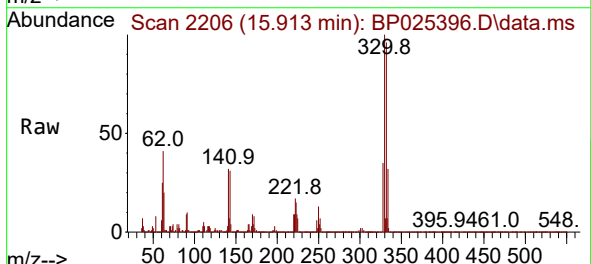
Tgt Ion: 237 Resp: 307015
Ion Ratio Lower Upper
237 100
235 62.7 42.7 82.7
272 14.0 0.0 34.0

Manual Integrations
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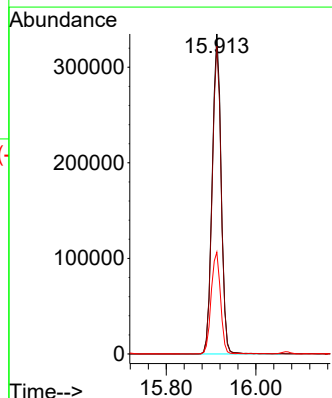
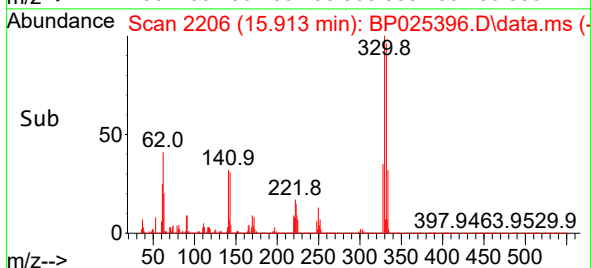
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

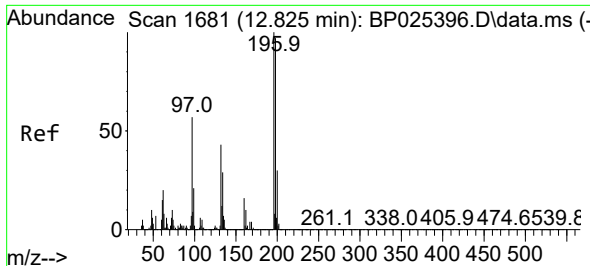


#42
2,4,6-Tribromophenol
Concen: 78.112 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion: 330 Resp: 463783
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 33.2 26.6 39.8





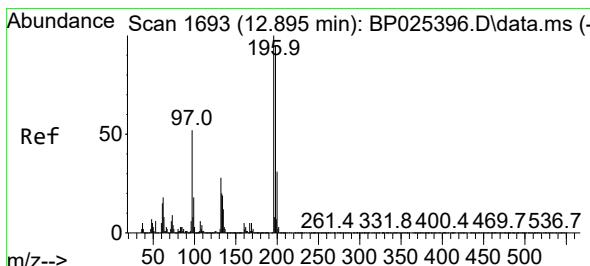
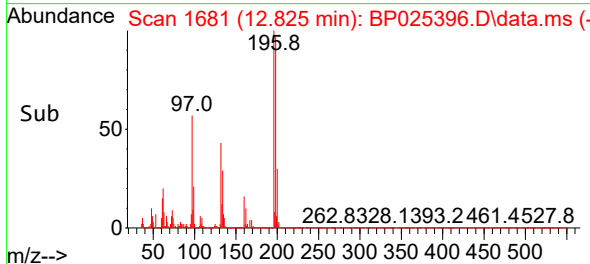
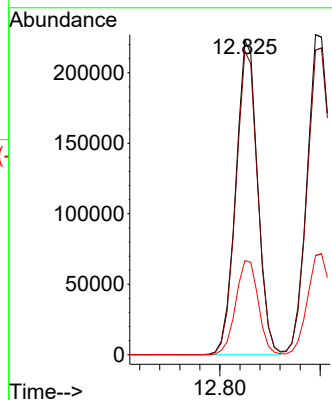
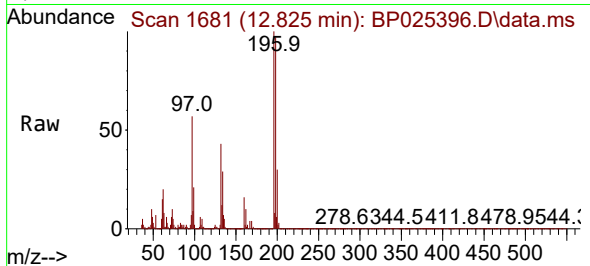
#43
2,4,6-Trichlorophenol
Concen: 39.201 ng
RT: 12.825 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 33715
Ion Ratio Lower Upper
196 100
198 96.5 77.2 115.8
200 29.9 23.9 35.9

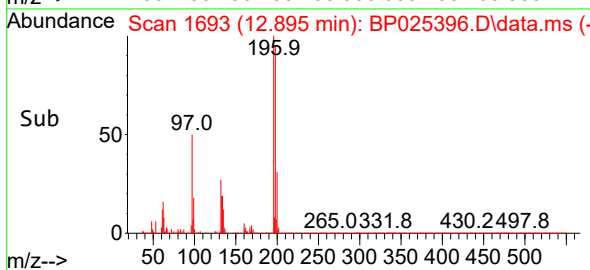
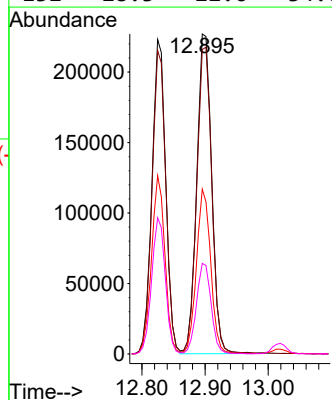
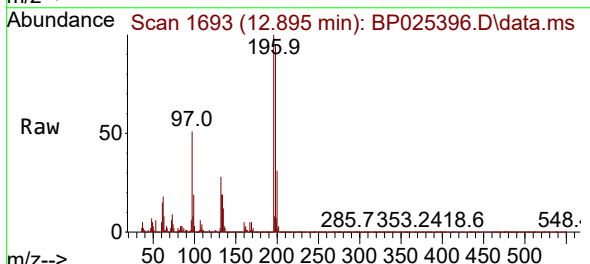
Manual Integrations
APPROVED

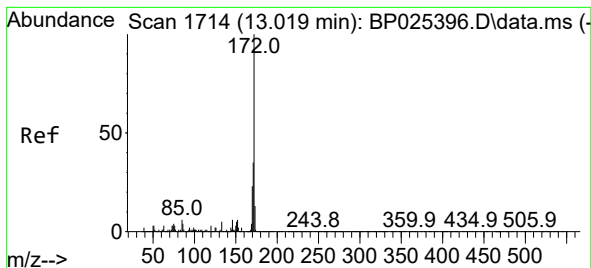
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#44
2,4,5-Trichlorophenol
Concen: 39.664 ng
RT: 12.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

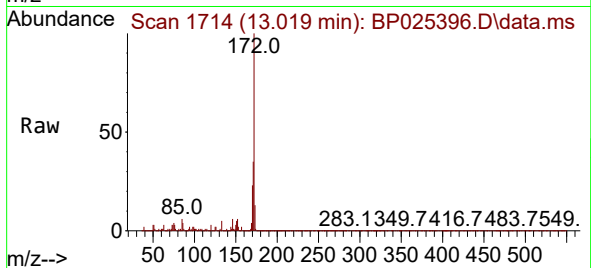
Tgt Ion:196 Resp: 373880
Ion Ratio Lower Upper
196 100
198 95.2 76.2 114.2
97 51.5 41.2 61.8
132 28.3 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 76.118 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

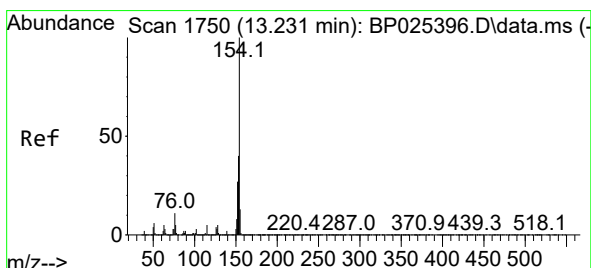
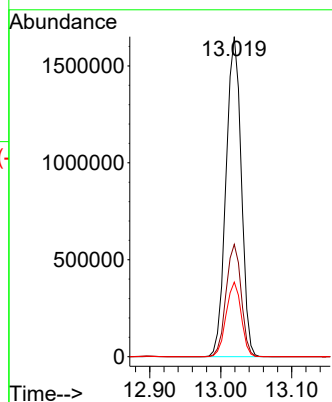
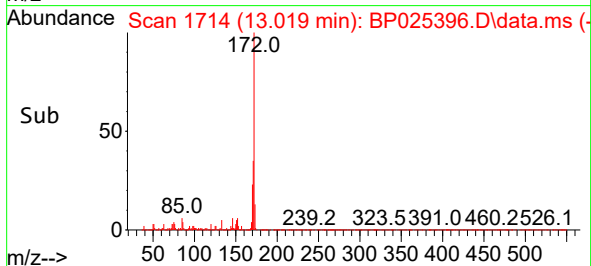
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



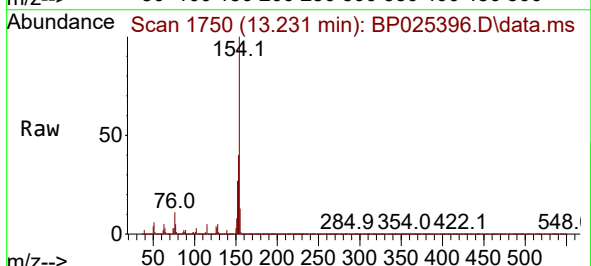
Tgt Ion:172 Resp: 245678
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.3 18.6 28.0

Manual Integrations
APPROVED

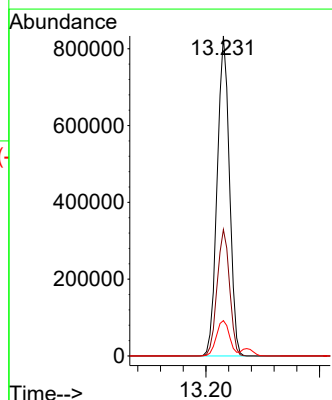
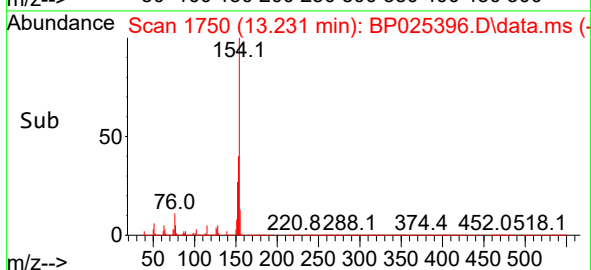
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

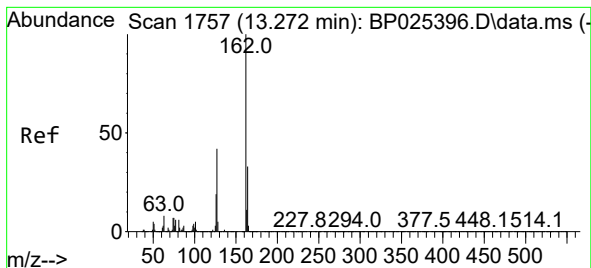


#46
1,1'-Biphenyl
Concen: 38.777 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



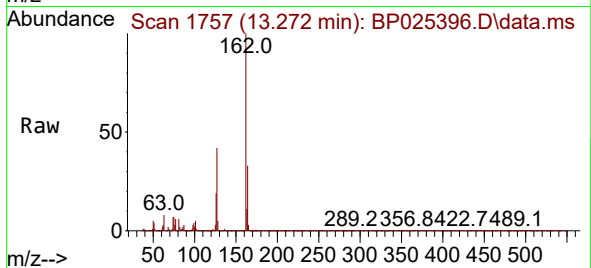
Tgt Ion:154 Resp: 1242247
Ion Ratio Lower Upper
154 100
153 39.5 19.5 59.5
76 11.1 0.0 31.1





#47
2-Chloronaphthalene
Concen: 38.930 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

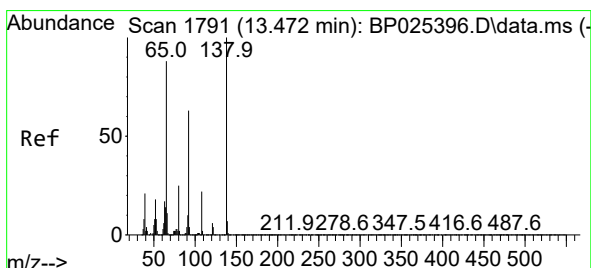
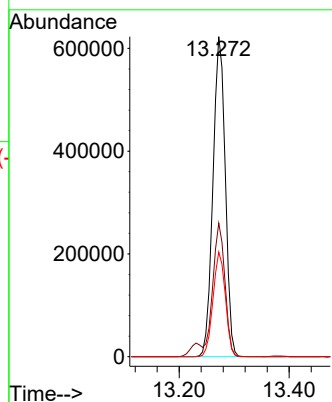
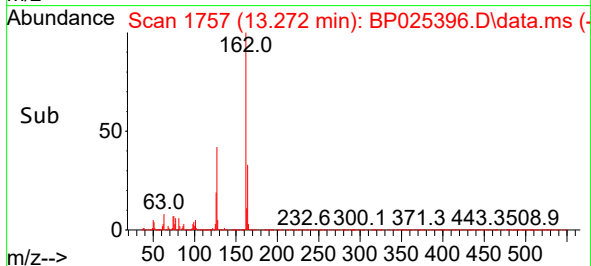
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



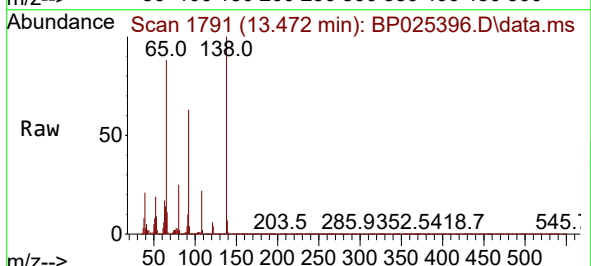
Tgt Ion: 162 Resp: 97090
Ion Ratio Lower Upper
162 100
127 41.8 33.4 50.2
164 32.7 26.2 39.2

Manual Integrations
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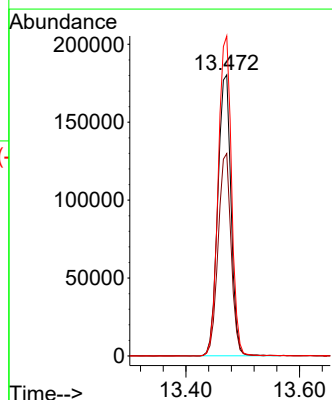
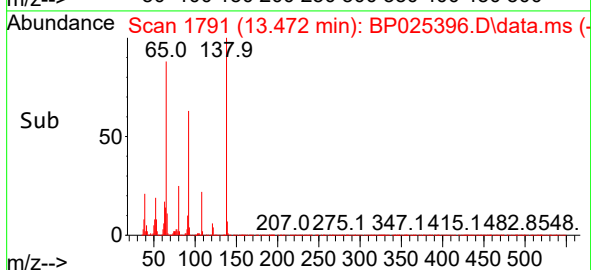
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

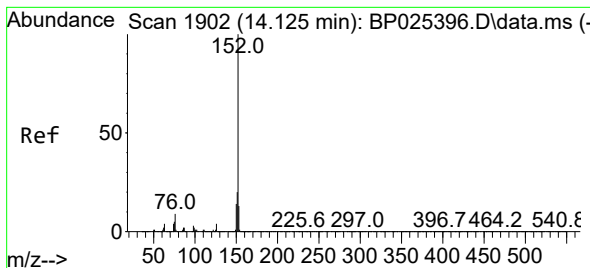


#48
2-Nitroaniline
Concen: 40.092 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



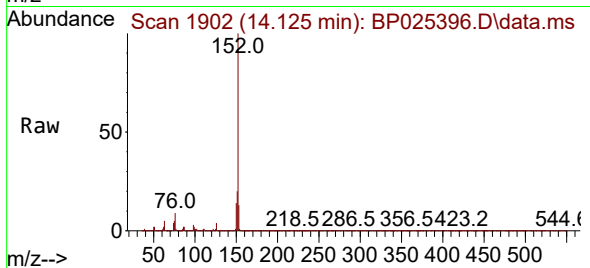
Tgt Ion: 65 Resp: 291341
Ion Ratio Lower Upper
65 100
92 72.0 57.6 86.4
138 113.8 91.0 136.6





#49
Acenaphthylene
Concen: 38.617 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

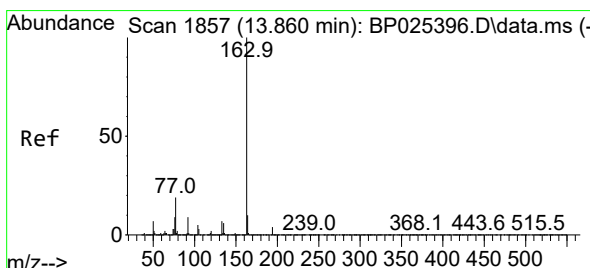
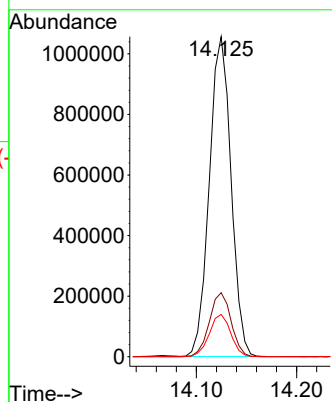
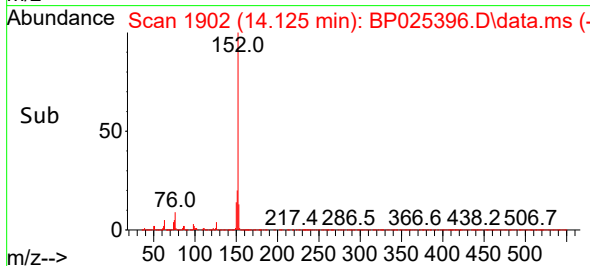
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



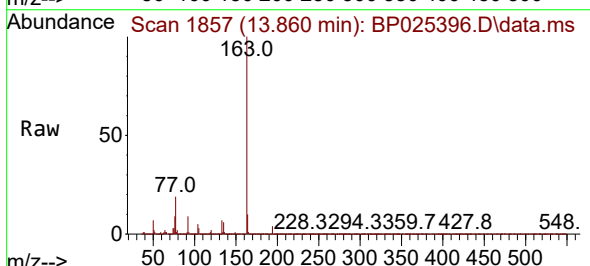
Tgt Ion:152 Resp: 1593630
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.2 10.6 15.8

Manual Integrations
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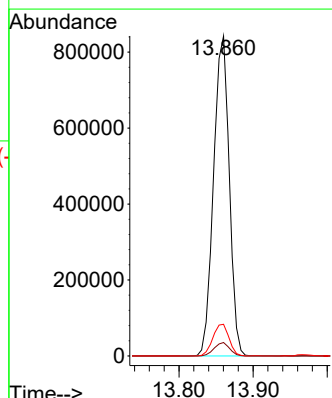
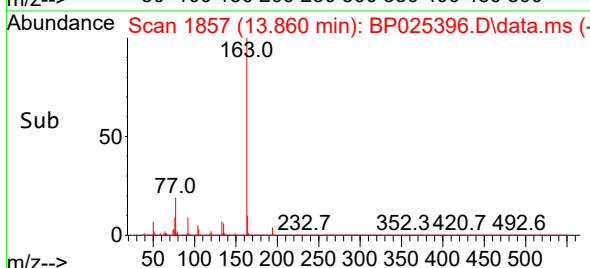
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

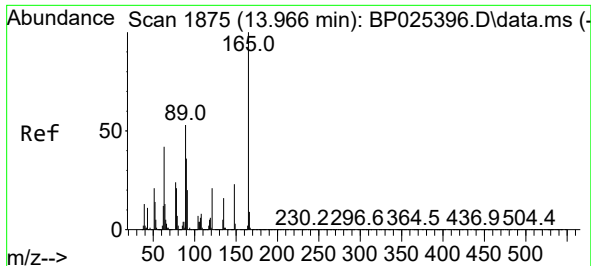


#50
Dimethylphthalate
Concen: 38.316 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



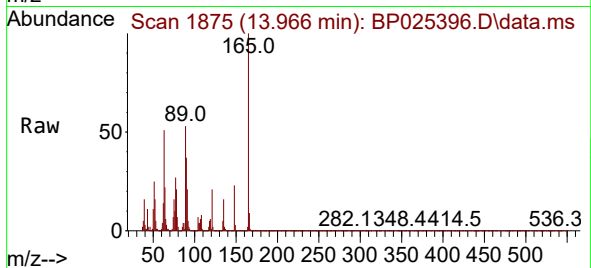
Tgt Ion:163 Resp: 1237666
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.9 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 40.061 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

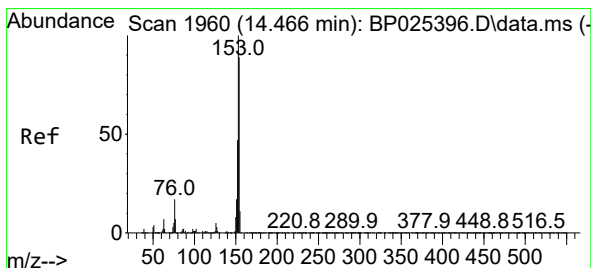
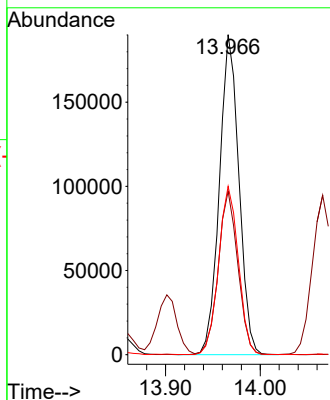
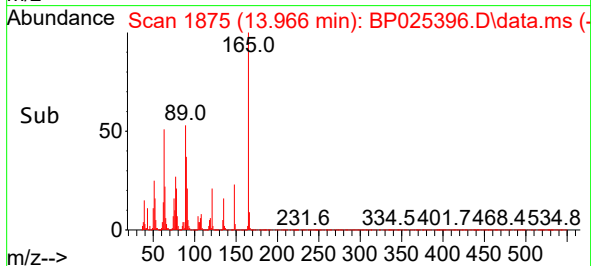
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 272750
Ion Ratio Lower Upper
165 100
63 51.1 40.9 61.3
89 52.6 42.1 63.1

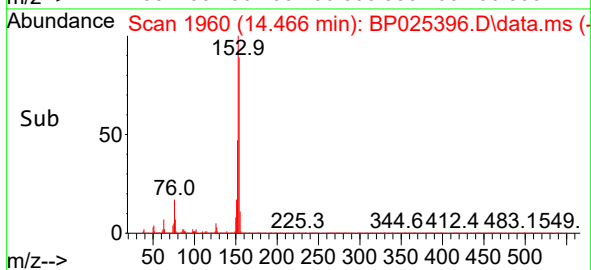
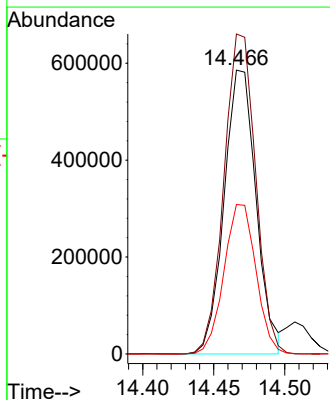
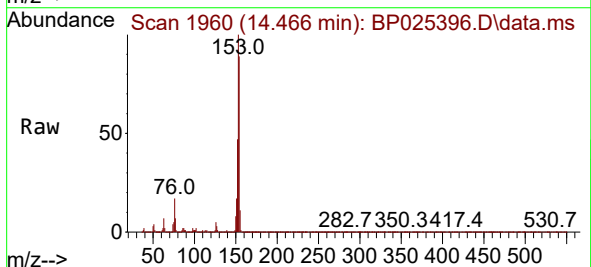
Manual Integrations
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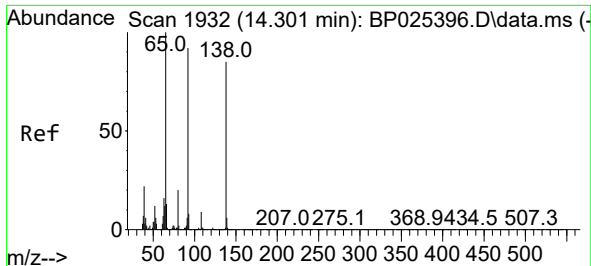
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#52
Acenaphthene
Concen: 37.921 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

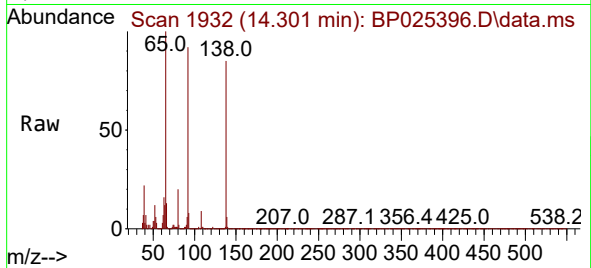
Tgt Ion:154 Resp: 918569
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.2
152 52.6 42.1 63.1





#53
3-Nitroaniline
Concen: 39.349 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

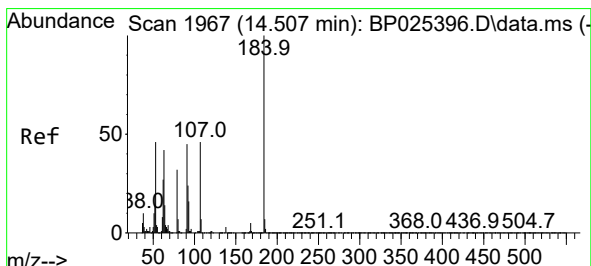
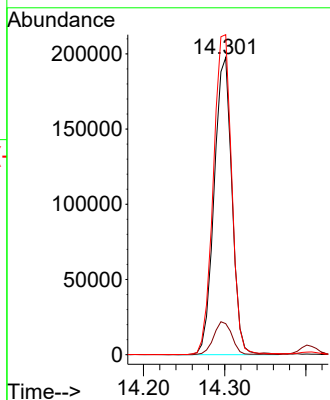
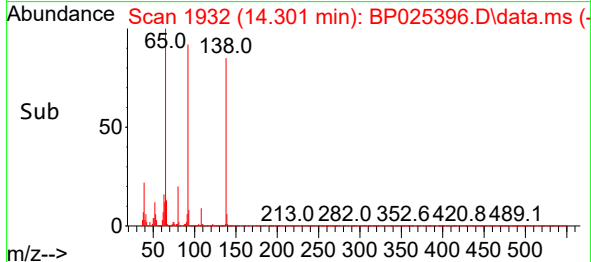
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



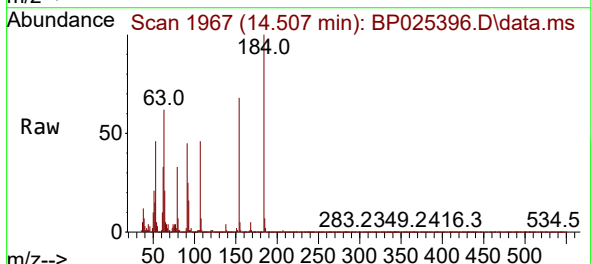
Tgt Ion:138 Resp: 30141
Ion Ratio Lower Upper
138 100
108 10.4 8.3 12.5
92 107.7 86.2 129.2

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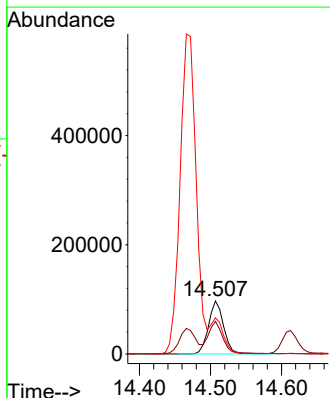
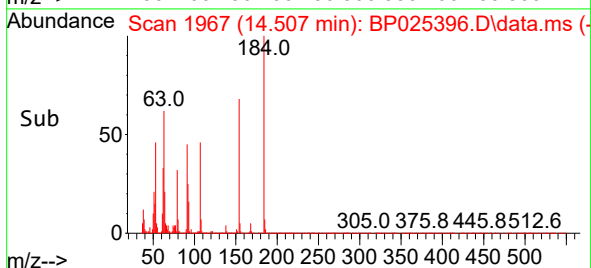
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

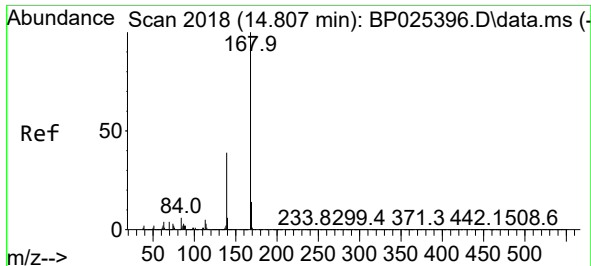


#54
2,4-Dinitrophenol
Concen: 39.633 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



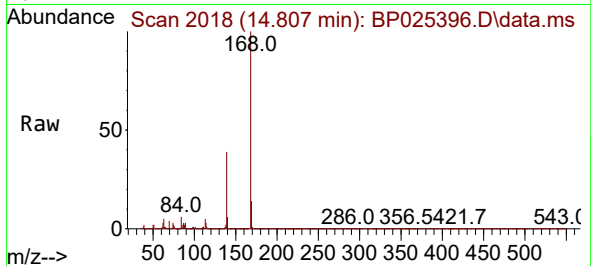
Tgt Ion:184 Resp: 144100
Ion Ratio Lower Upper
184 100
63 61.8 49.4 74.2
154 68.3 54.6 82.0





#55
Dibenzenofuran
Concen: 38.624 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

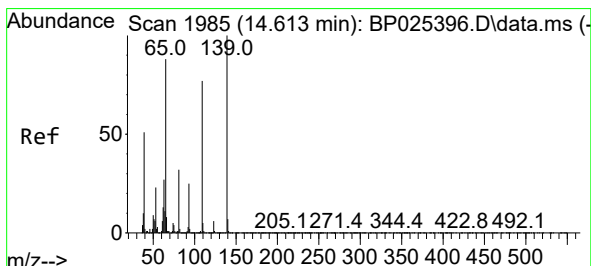
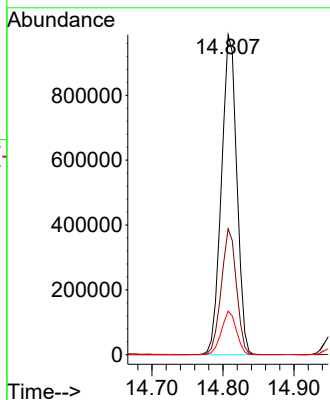
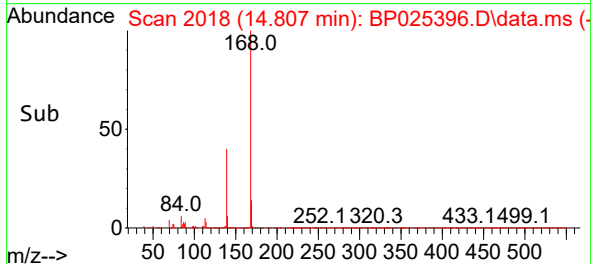
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



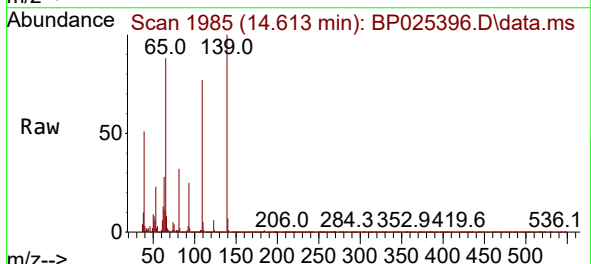
Tgt Ion:168 Resp: 1479220
Ion Ratio Lower Upper
168 100
139 39.4 31.5 47.3
169 13.6 10.9 16.3

Manual Integrations
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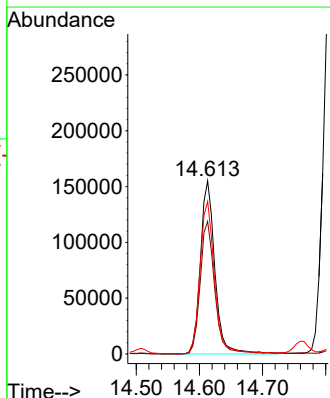
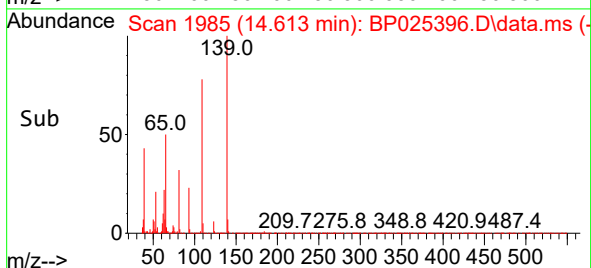
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

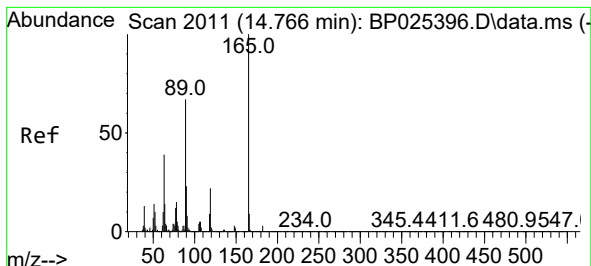


#56
4-Nitrophenol
Concen: 39.168 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



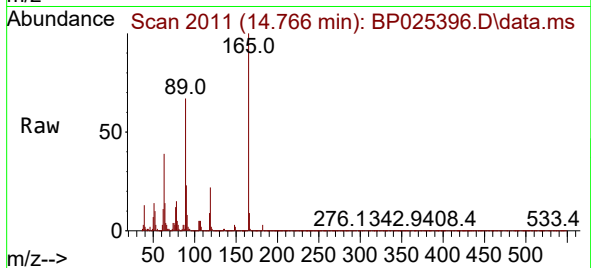
Tgt Ion:139 Resp: 246542
Ion Ratio Lower Upper
139 100
109 76.6 56.6 96.6
65 88.2 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 39.757 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

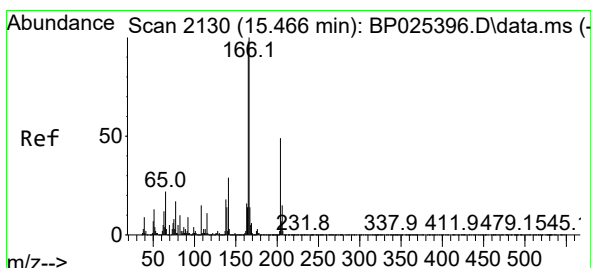
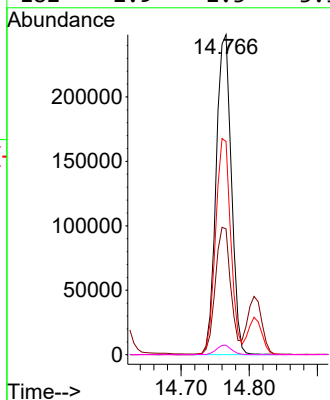
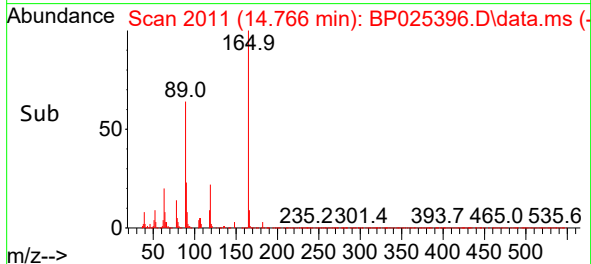
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 386189
Ion Ratio Lower Upper
165 100
63 39.3 31.4 47.2
89 66.6 53.3 79.9
182 2.9 2.3 3.5

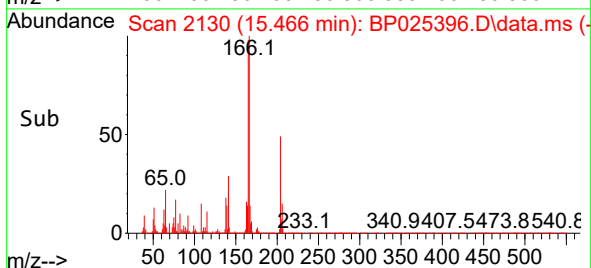
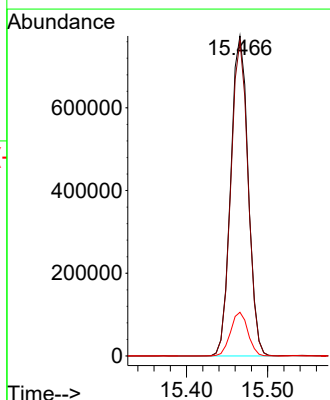
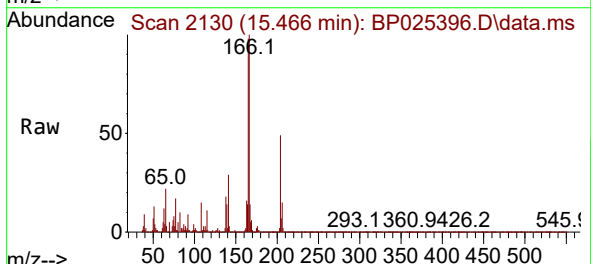
Manual Integrations
APPROVED

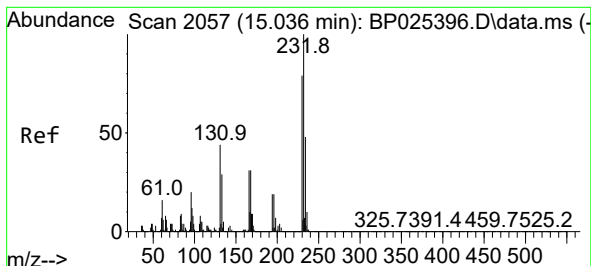
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#58
Fluorene
Concen: 38.115 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

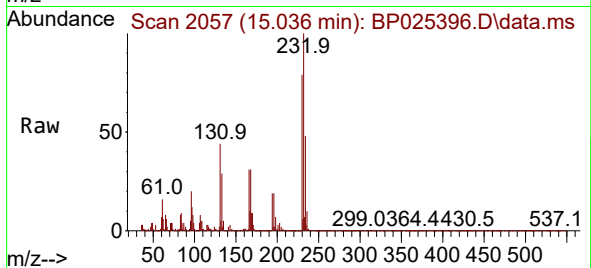
Tgt Ion:166 Resp: 1151825
Ion Ratio Lower Upper
166 100
165 98.5 78.8 118.2
167 13.7 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.975 ng
RT: 15.036 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

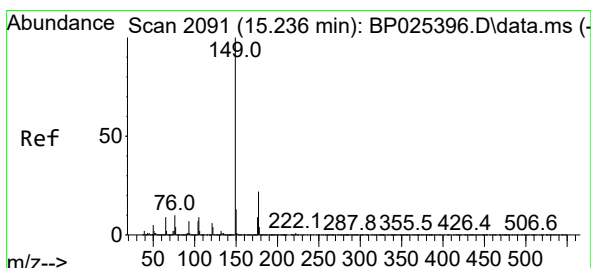
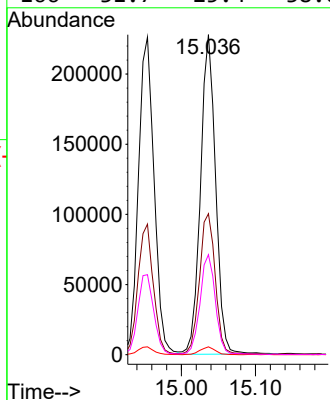
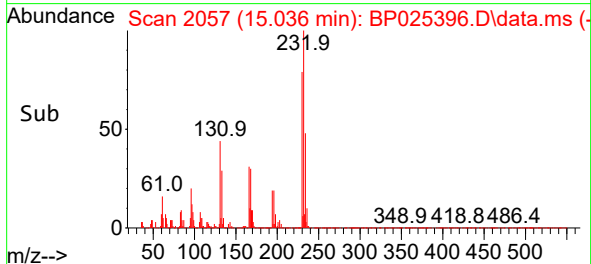
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



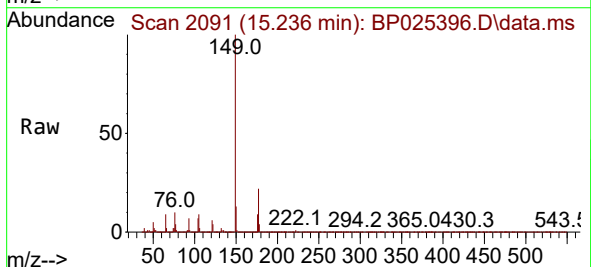
Tgt Ion: 232 Resp: 324390
Ion Ratio Lower Upper
232 100
131 46.3 37.0 55.6
130 2.4 1.9 2.9
166 31.7 25.4 38.0

Manual Integrations
APPROVED

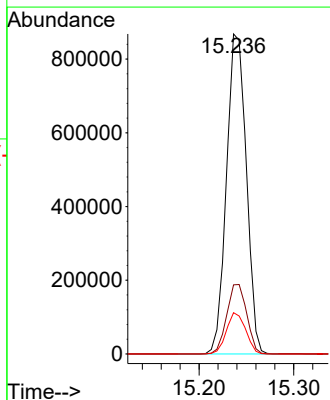
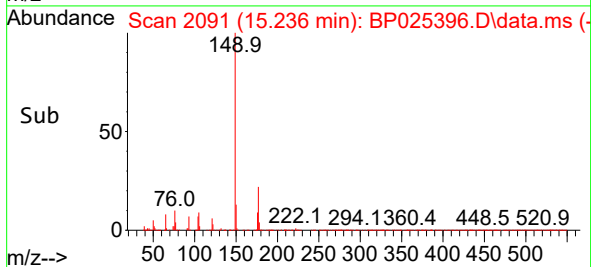
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

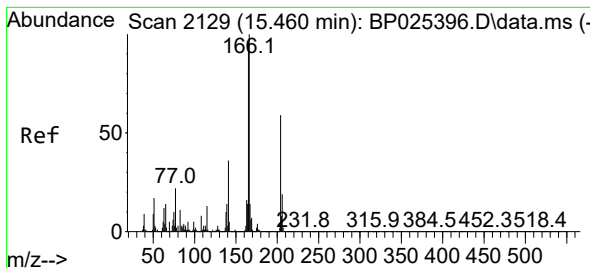


#60
Diethylphthalate
Concen: 38.533 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



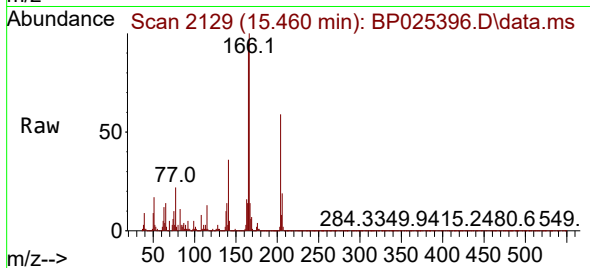
Tgt Ion: 149 Resp: 1264740
Ion Ratio Lower Upper
149 100
177 21.6 17.3 25.9
150 12.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 38.228 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

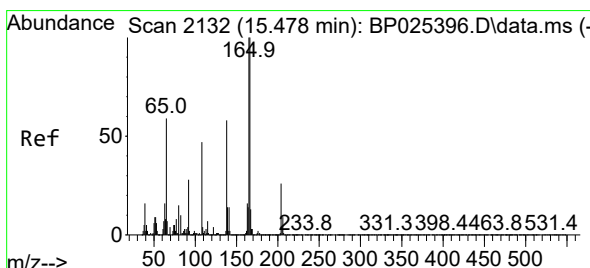
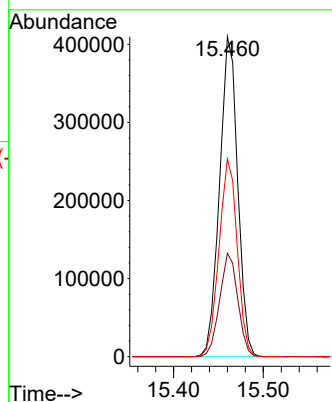
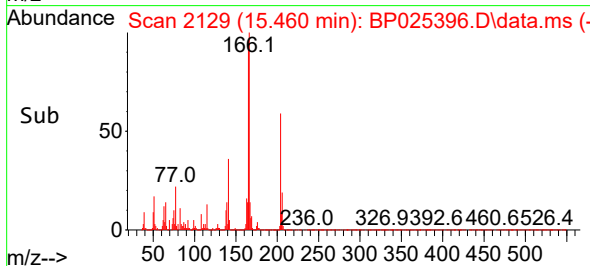
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



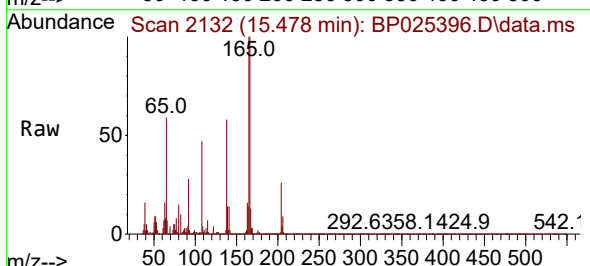
Tgt Ion:204 Resp: 574540
Ion Ratio Lower Upper
204 100
206 32.3 25.8 38.8
141 61.8 49.4 74.2

Manual Integrations
APPROVED

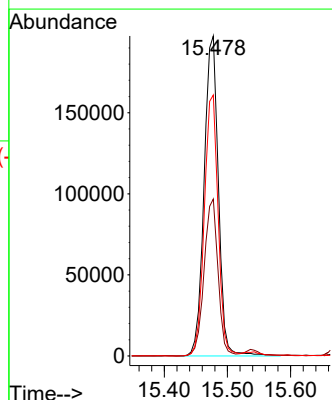
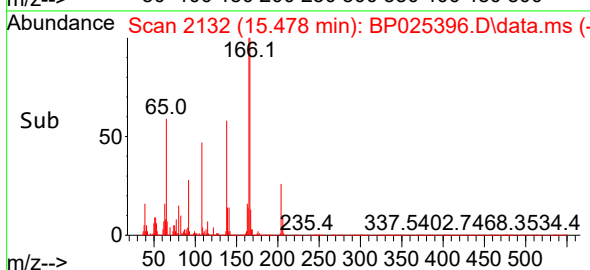
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

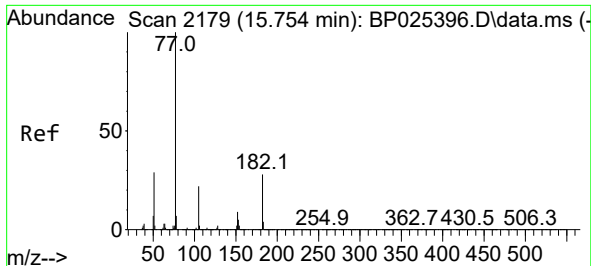


#62
4-Nitroaniline
Concen: 39.443 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



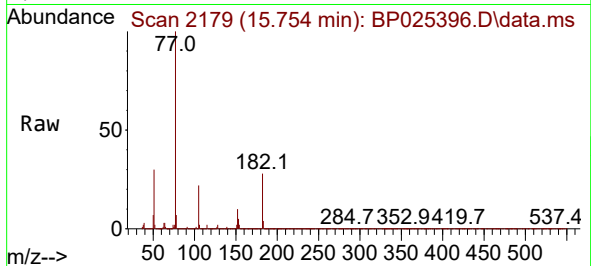
Tgt Ion:138 Resp: 309740
Ion Ratio Lower Upper
138 100
92 49.1 29.1 69.1
108 81.5 61.5 101.5





#63
Azobenzene
Concen: 38.820 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

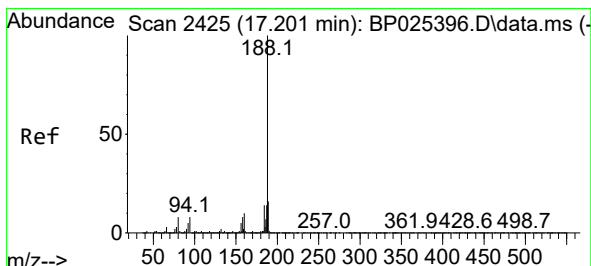
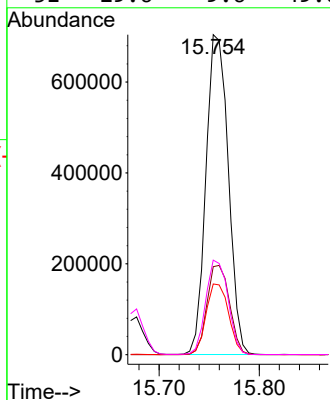
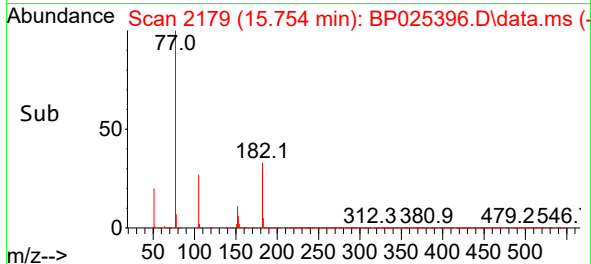
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



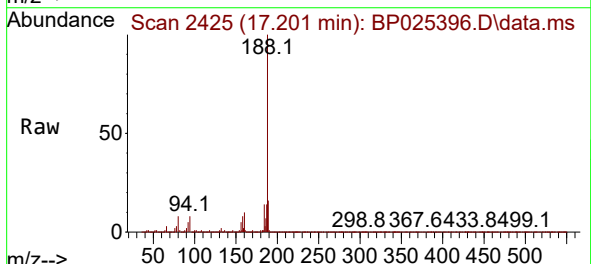
Tgt Ion: 77 Resp: 1091004
Ion Ratio Lower Upper
77 100
182 27.5 7.5 47.5
105 22.1 2.1 42.1
51 29.6 9.6 49.6

Manual Integrations
APPROVED

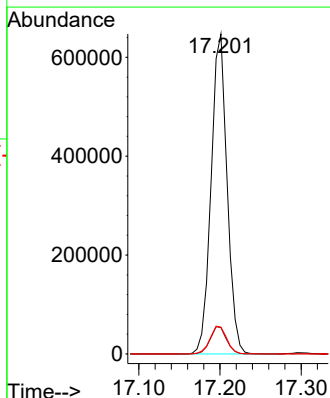
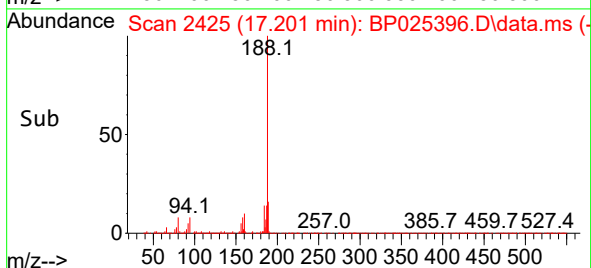
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

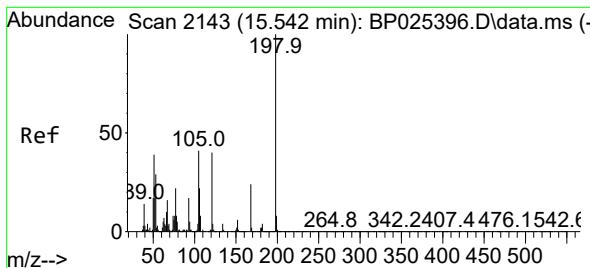


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



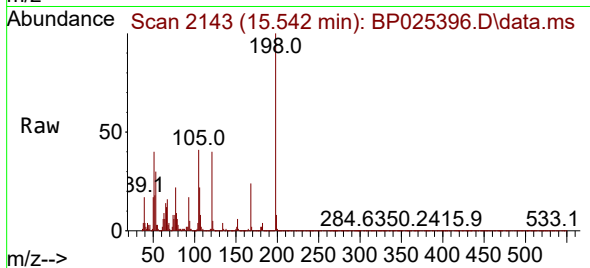
Tgt Ion:188 Resp: 884529
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 8.4 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 39.384 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

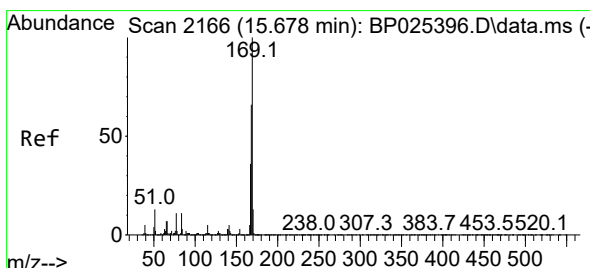
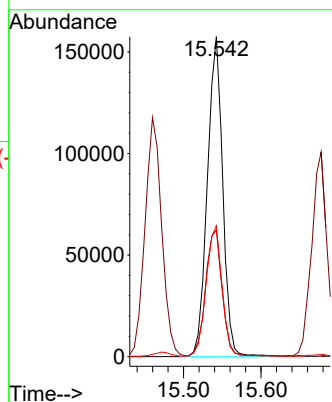
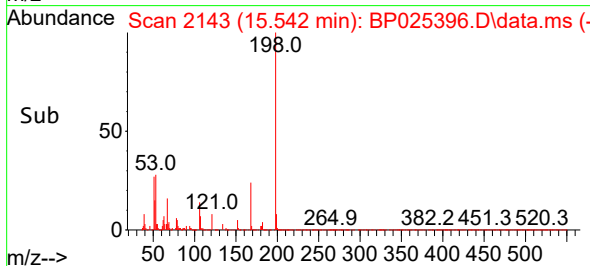
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:198 Resp: 21715
Ion Ratio Lower Upper
198 100
51 39.6 19.6 59.6
105 40.9 20.9 60.9

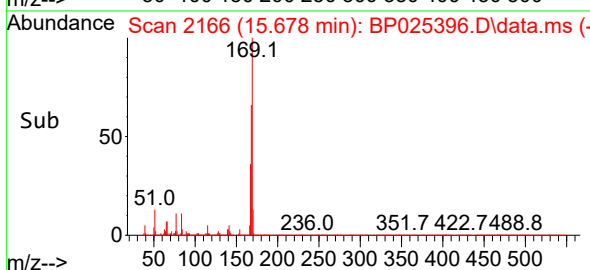
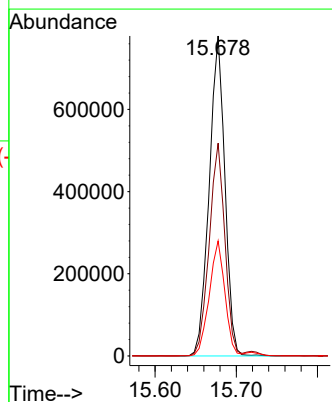
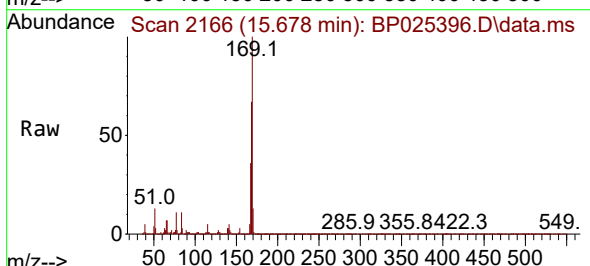
Manual Integrations
APPROVED

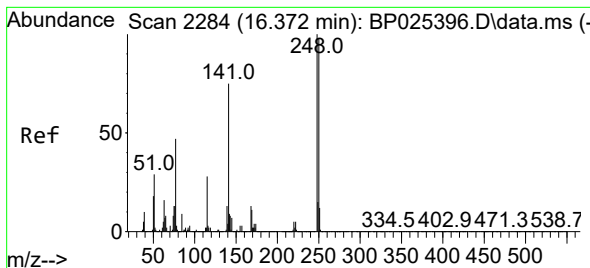
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 38.749 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

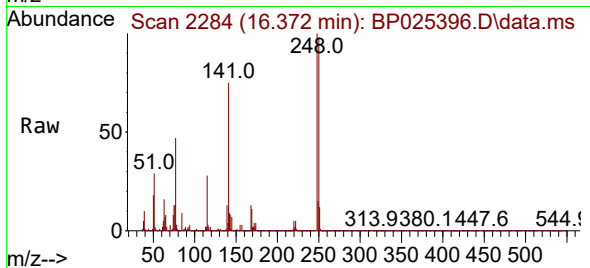
Tgt Ion:169 Resp: 1045170
Ion Ratio Lower Upper
169 100
168 66.5 53.2 79.8
167 35.9 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 38.739 ng
RT: 16.372 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

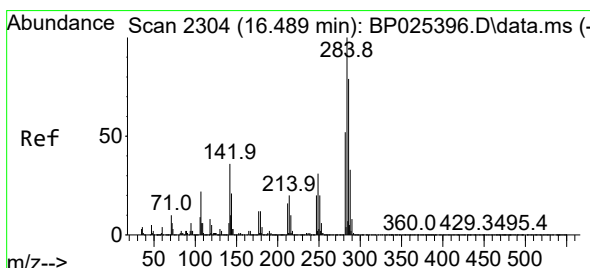
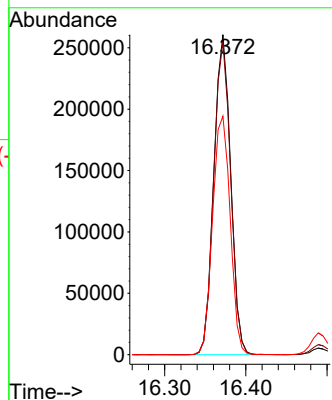
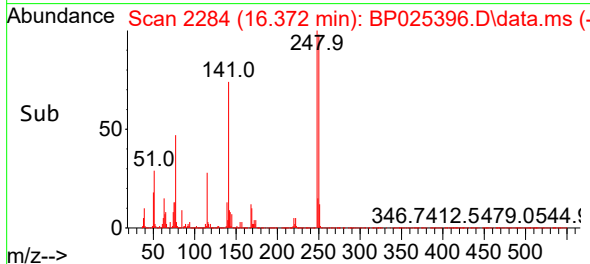
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



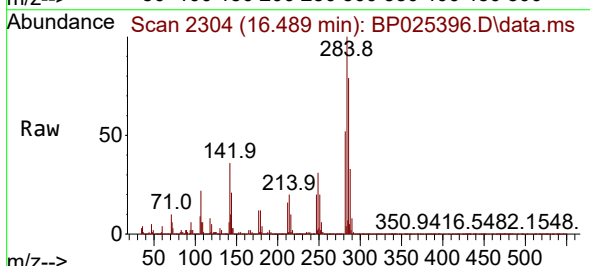
Tgt Ion:248 Resp: 376864
Ion Ratio Lower Upper
248 100
250 97.7 78.2 117.2
141 74.5 59.6 89.4

Manual Integrations
APPROVED

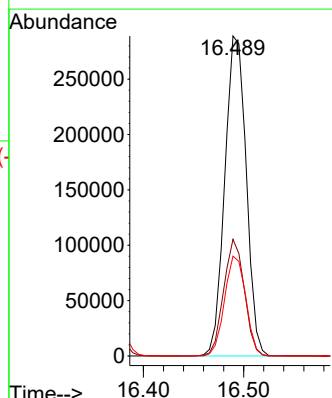
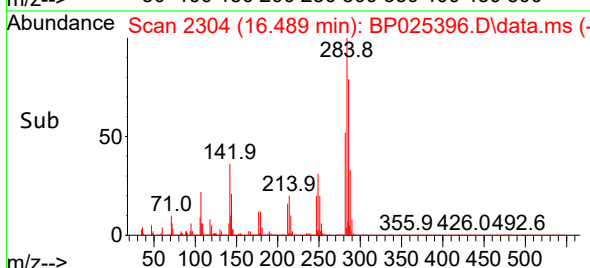
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

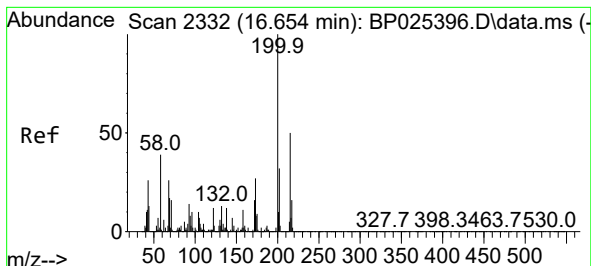


#68
Hexachlorobenzene
Concen: 37.986 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion:284 Resp: 428361
Ion Ratio Lower Upper
284 100
142 36.4 29.1 43.7
249 31.2 25.0 37.4





#69

Atrazine

Concen: 38.238 ng

RT: 16.654 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

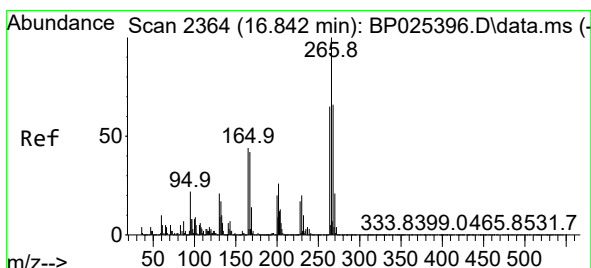
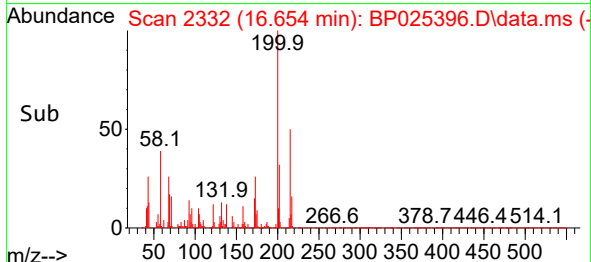
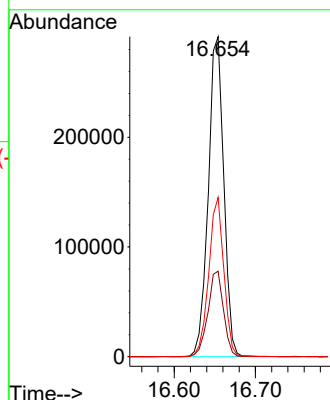
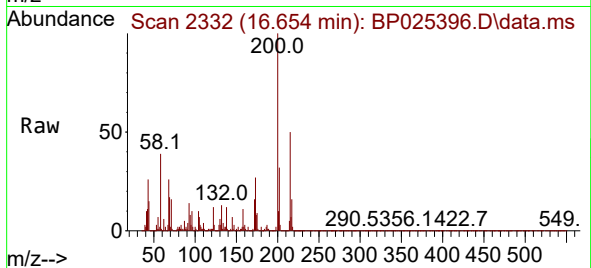
Tgt Ion:200 Resp: 386250
 Ion Ratio Lower Upper
 200 100
 173 26.7 6.7 46.7
 215 49.7 29.7 69.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 39.110 ng

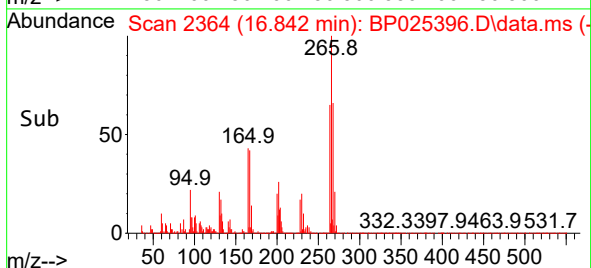
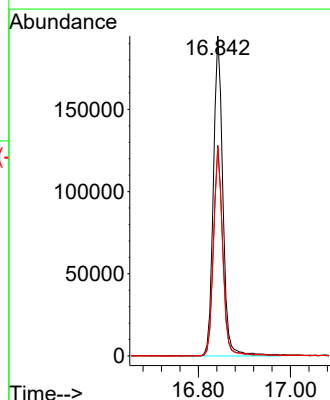
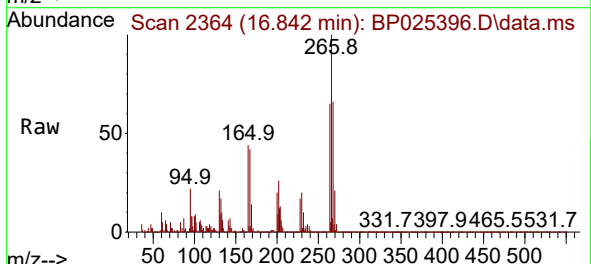
RT: 16.842 min Scan# 2364

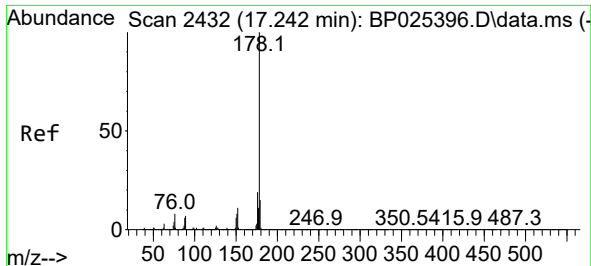
Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

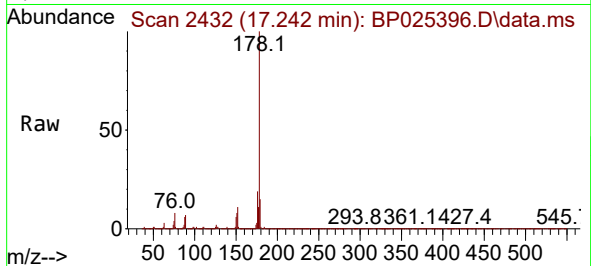
Tgt Ion:266 Resp: 278412
 Ion Ratio Lower Upper
 266 100
 268 65.8 52.6 79.0
 264 65.0 52.0 78.0





#71
Phenanthrene
Concen: 37.851 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

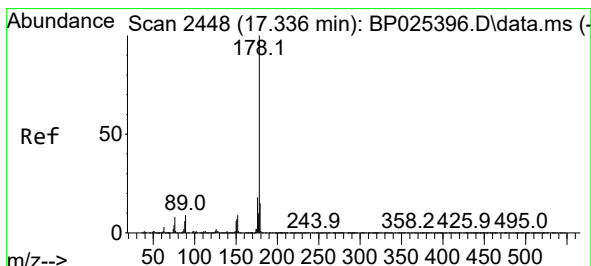
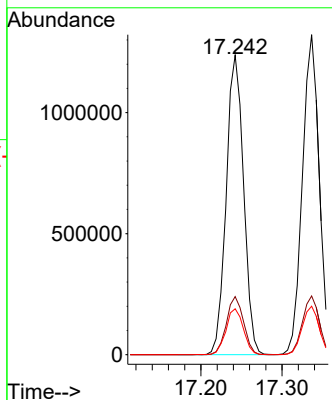
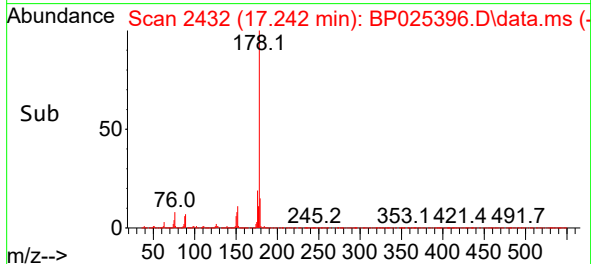
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



Tgt Ion:178 Resp: 183919
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.3 12.2 18.4

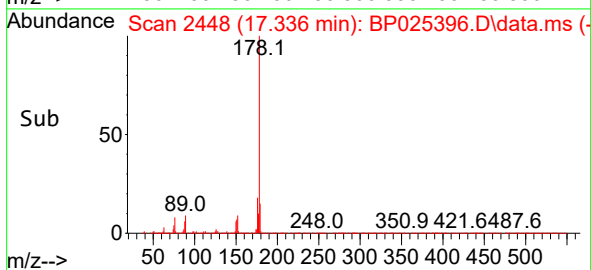
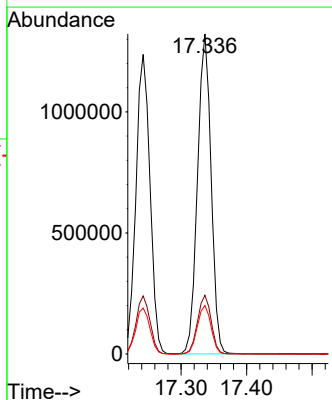
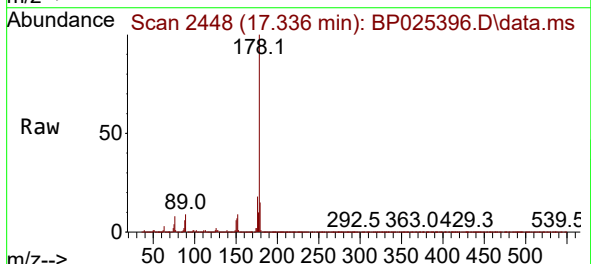
Manual Integrations
APPROVED

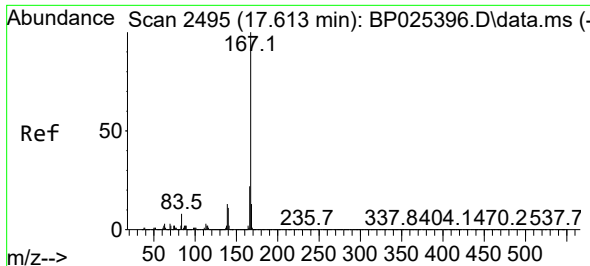
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#72
Anthracene
Concen: 38.456 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

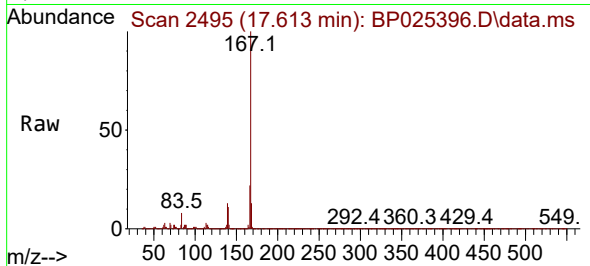
Tgt Ion:178 Resp: 1908189
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.2 12.2 18.2





#73
 Carbazole
 Concen: 38.125 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

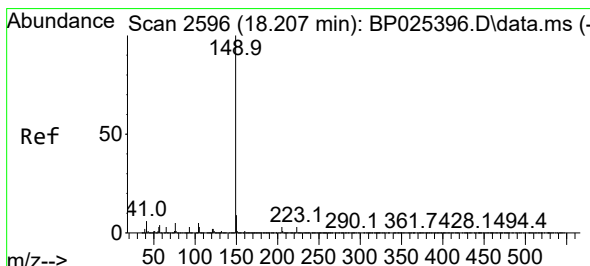
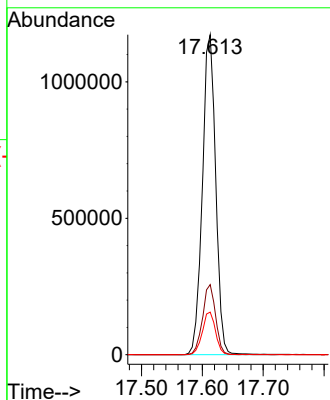
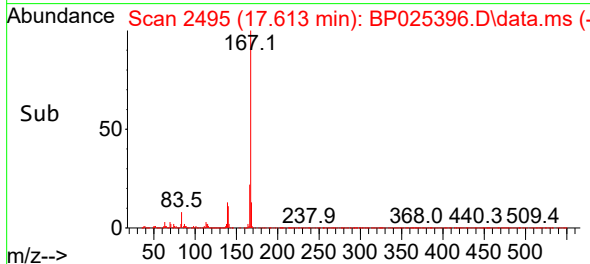
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC040



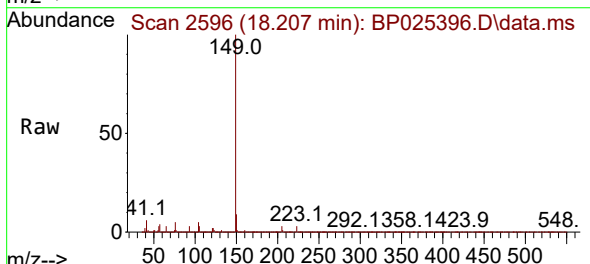
Tgt Ion:167 Resp: 1781890
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 13.3 10.6 16.0

Manual Integrations
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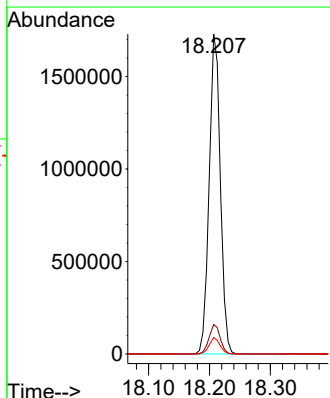
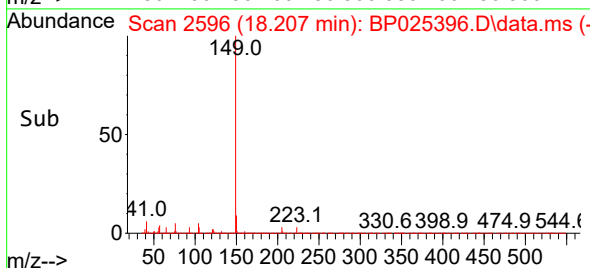
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

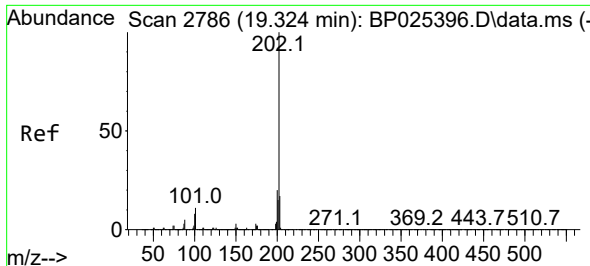


#74
 Di-n-butylphthalate
 Concen: 38.277 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19



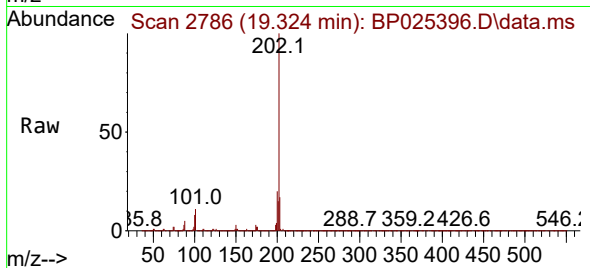
Tgt Ion:149 Resp: 2201043
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 37.488 ng
RT: 19.324 min Scan# 217275
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

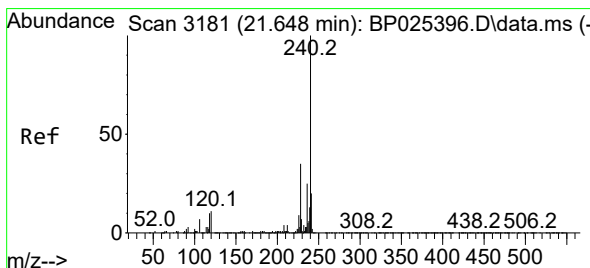
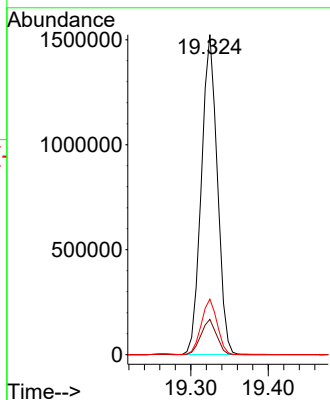
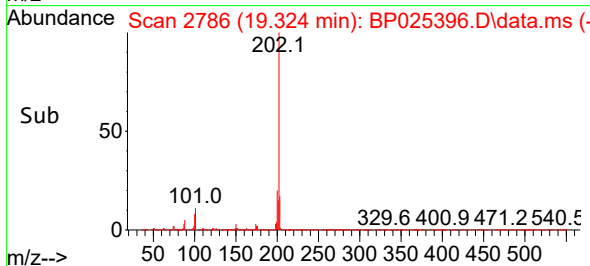
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



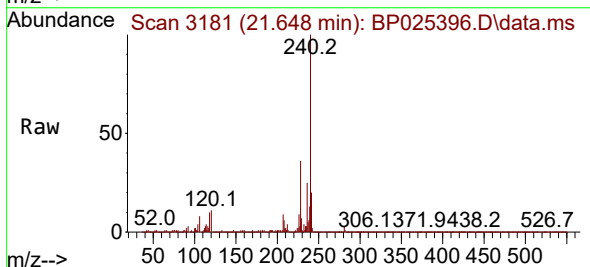
Tgt Ion:202 Resp: 217275
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.1
203 17.3 0.0 37.3

Manual Integrations
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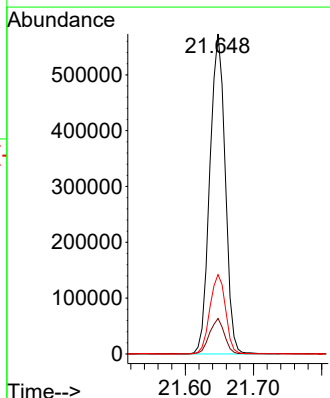
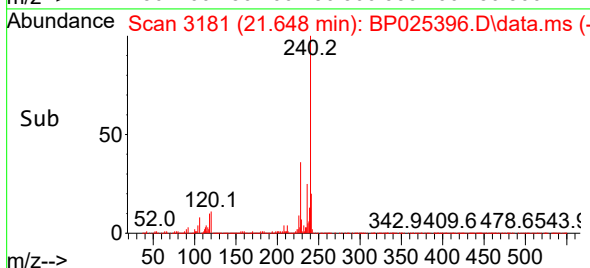
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

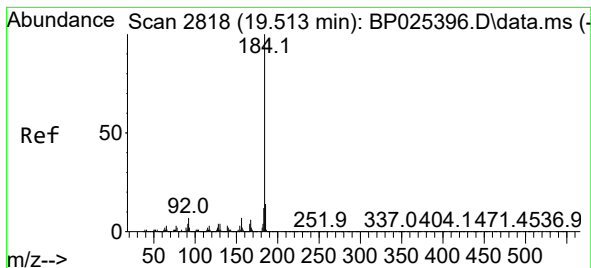


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion:240 Resp: 899207
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 24.8 19.8 29.8





#77

Benzidine

Concen: 56.665 ng

RT: 19.513 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:184 Resp: 1738920

Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

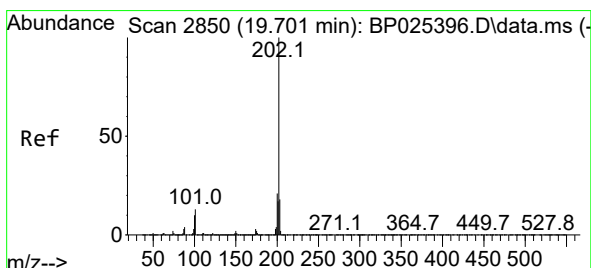
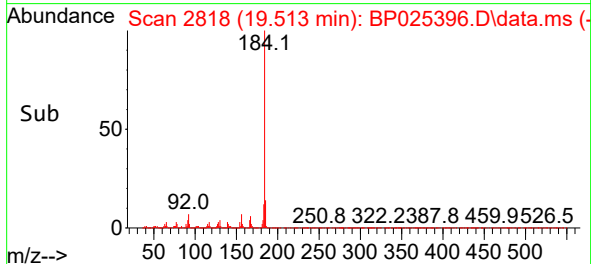
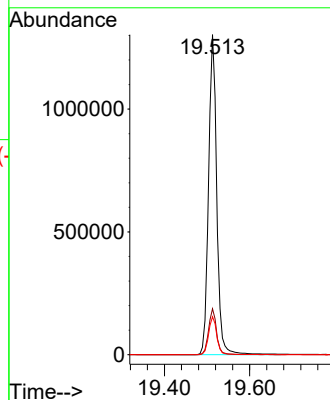
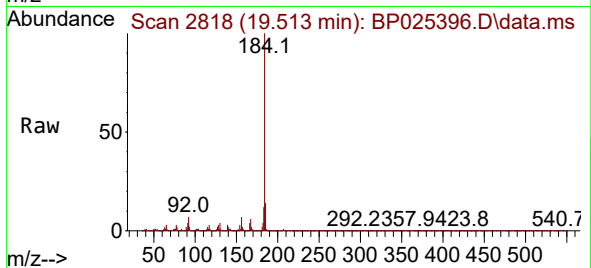
183 11.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#78

Pyrene

Concen: 39.189 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

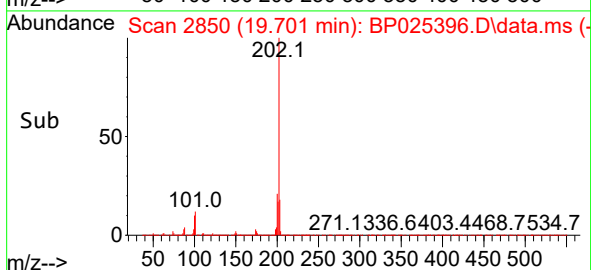
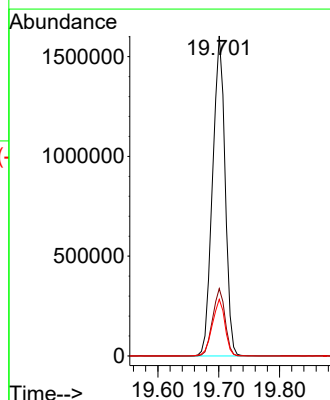
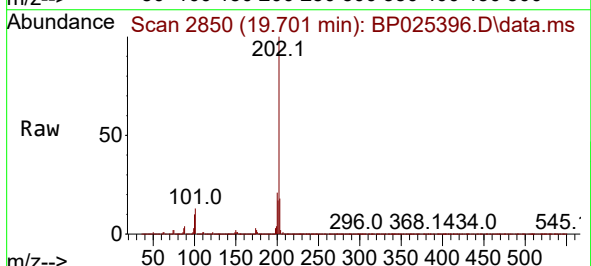
Tgt Ion:202 Resp: 2290461

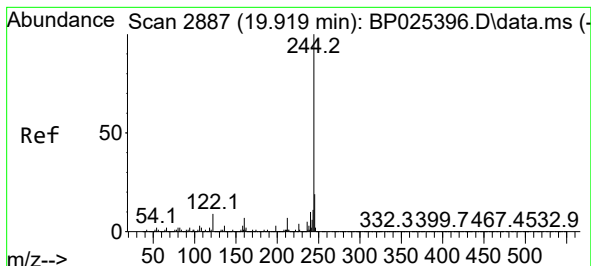
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 76.508 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025396.D

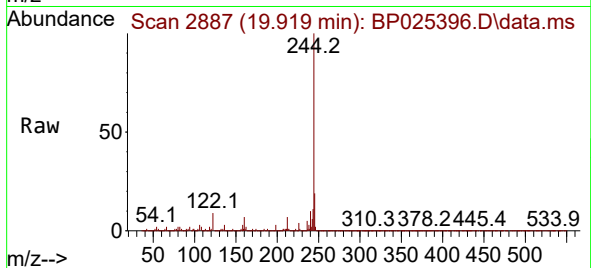
Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040



Tgt Ion:244 Resp: 3760230

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

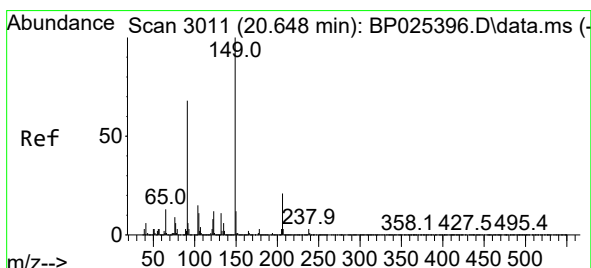
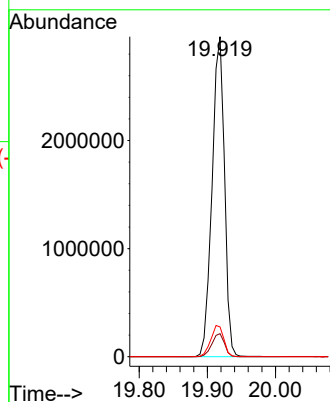
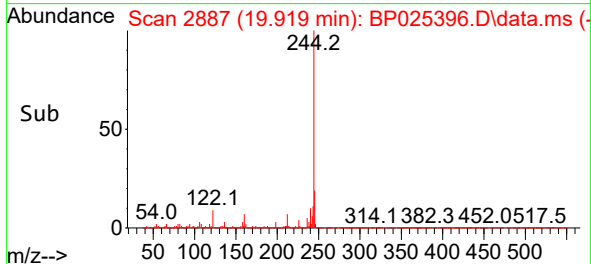
122 9.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 39.338 ng

RT: 20.648 min Scan# 3011

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

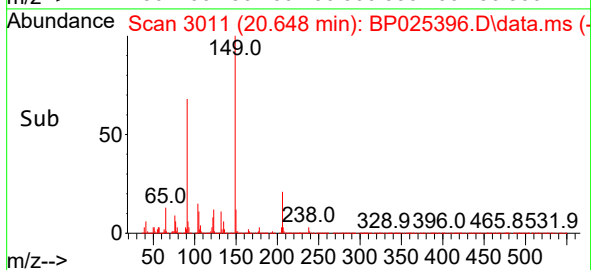
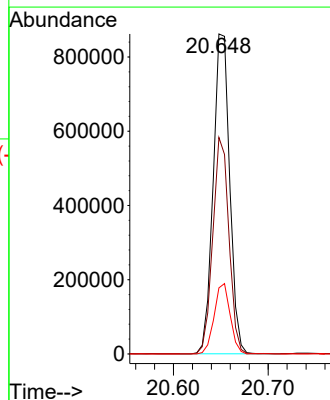
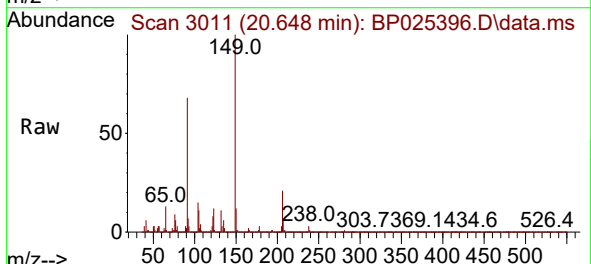
Tgt Ion:149 Resp: 1041998

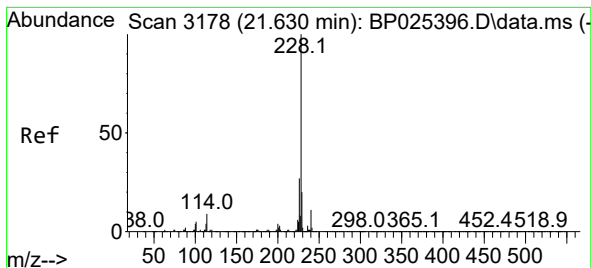
Ion Ratio Lower Upper

149 100

91 67.7 54.2 81.2

206 20.7 16.6 24.8





#81

Benzo(a)anthracene

Concen: 38.460 ng

RT: 21.630 min Scan# 3178

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 2280774

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

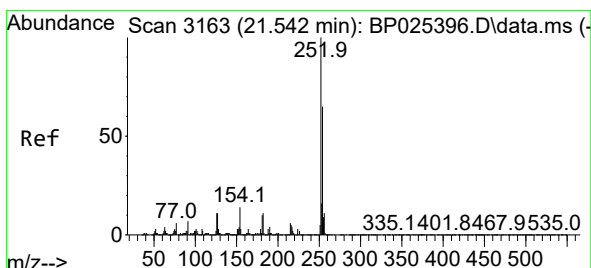
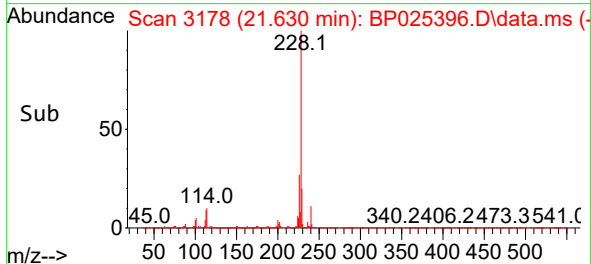
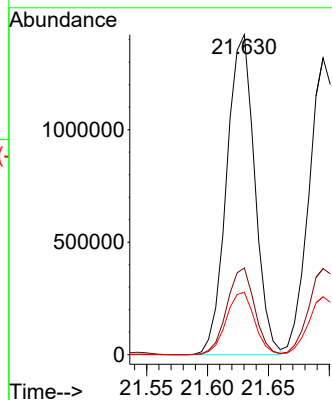
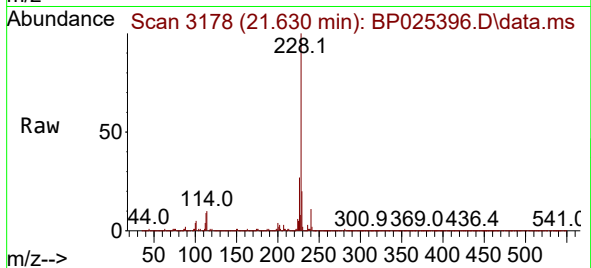
229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 39.266 ng

RT: 21.542 min Scan# 3163

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

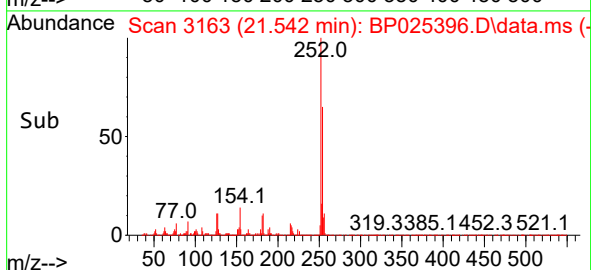
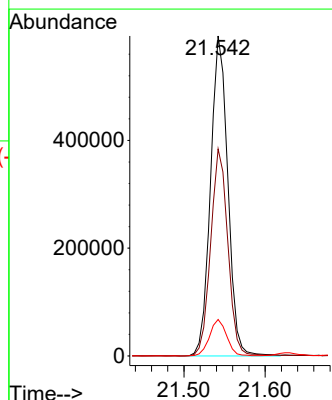
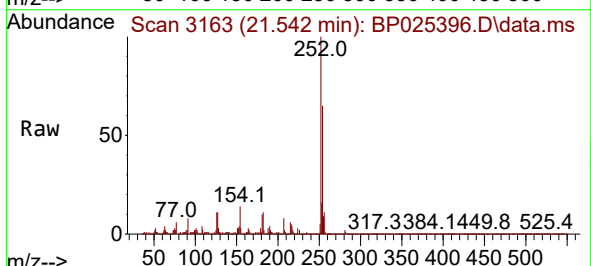
Tgt Ion:252 Resp: 877708

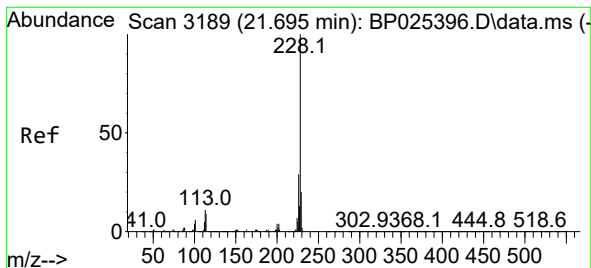
Ion Ratio Lower Upper

252 100

254 64.7 51.8 77.6

126 11.4 9.1 13.7





#83

Chrysene

Concen: 38.278 ng

RT: 21.695 min Scan# 3189

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 212586

Ion Ratio Lower Upper

228 100

226 29.0 23.2 34.8

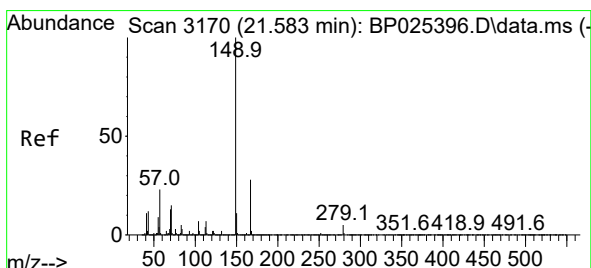
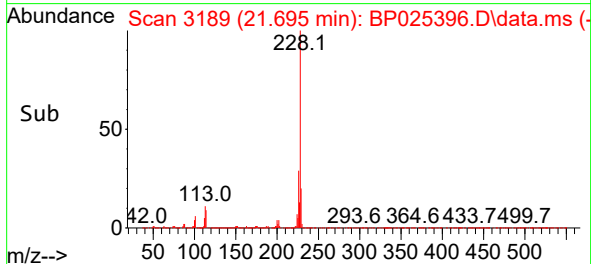
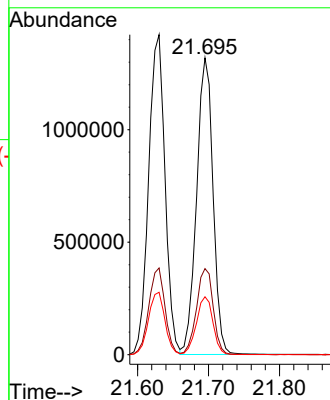
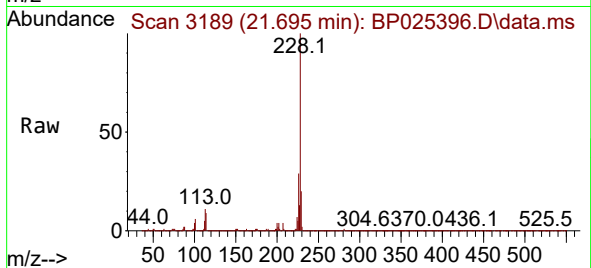
229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.310 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

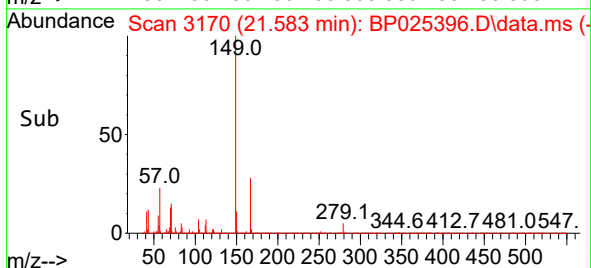
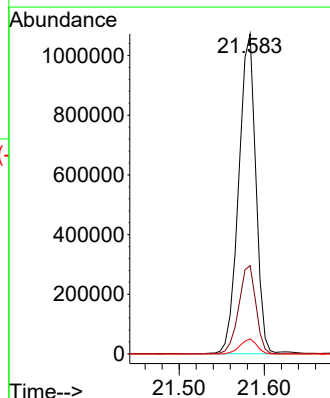
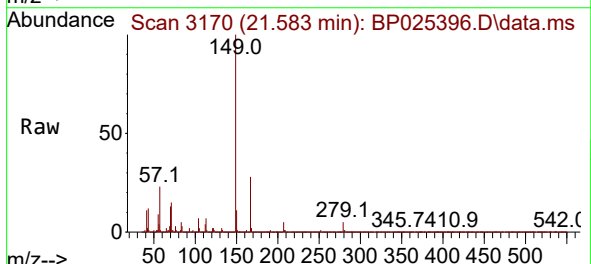
Tgt Ion:149 Resp: 1493804

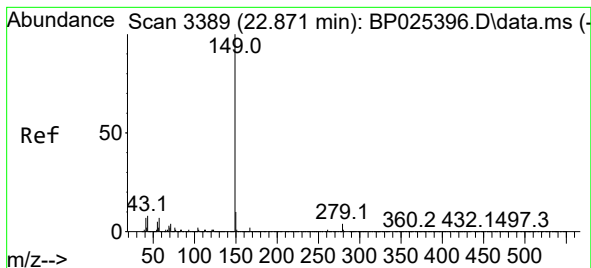
Ion Ratio Lower Upper

149 100

167 27.6 22.1 33.1

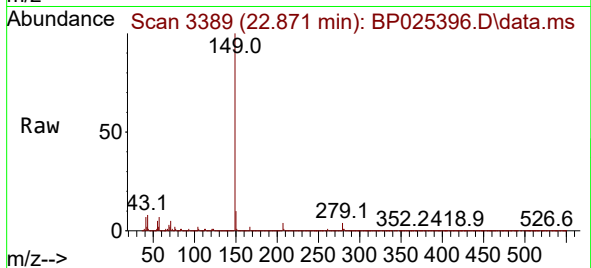
279 4.7 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 38.730 ng
RT: 22.871 min Scan# 3389
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

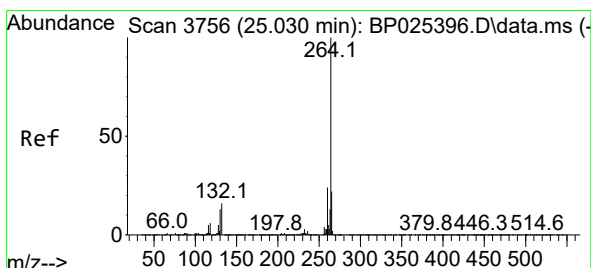
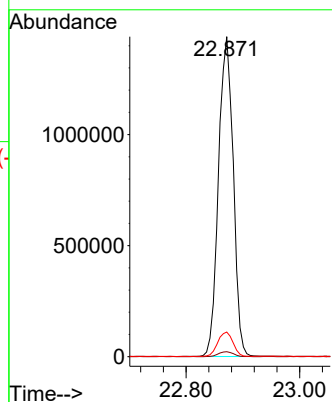
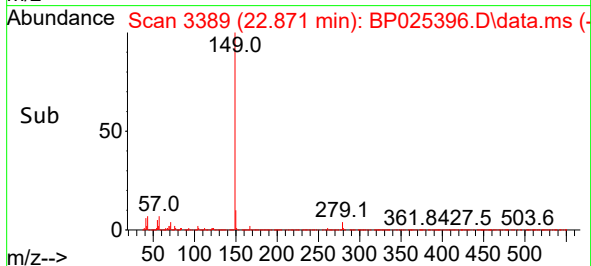
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



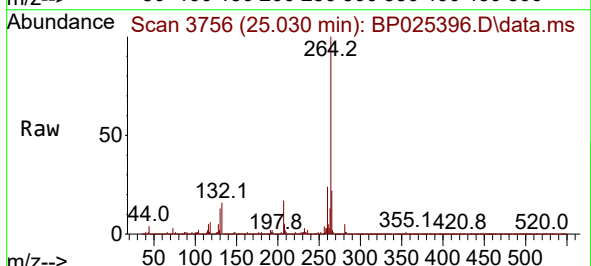
Tgt Ion:149 Resp: 2597558
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5

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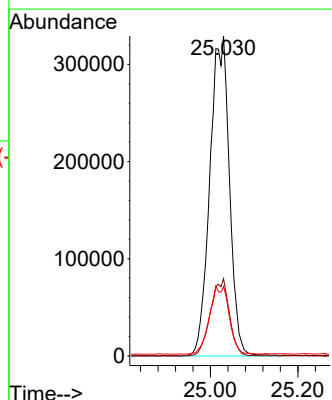
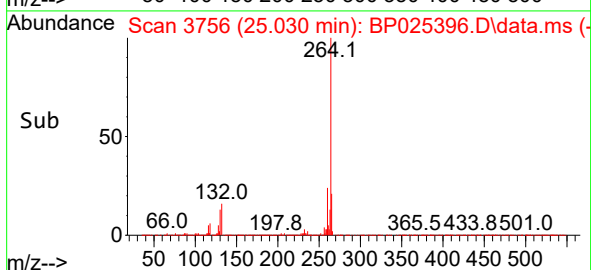
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

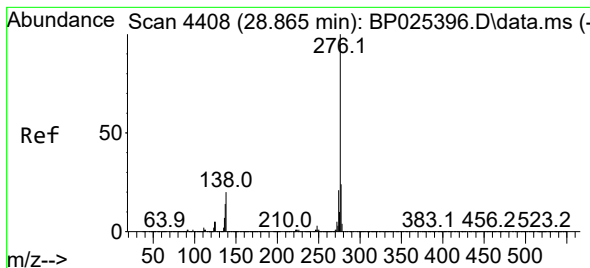


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion:264 Resp: 1022138
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.470 ng m

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:276 Resp: 288471

Ion Ratio Lower Upper

276 100

138 16.1 12.9 19.3

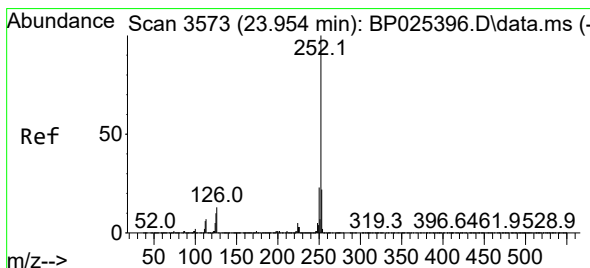
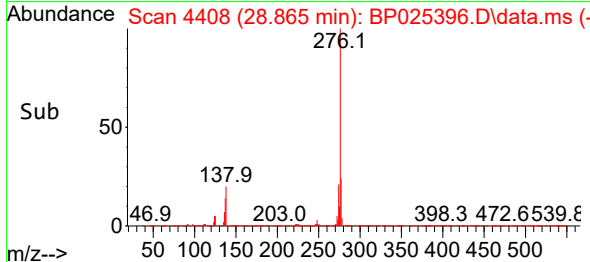
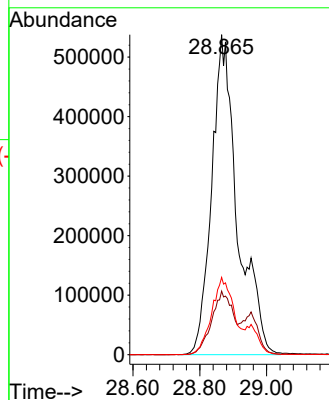
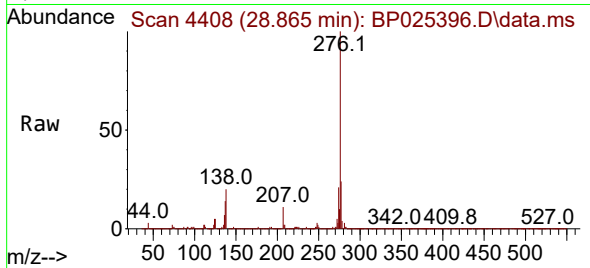
277 21.3 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 38.462 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

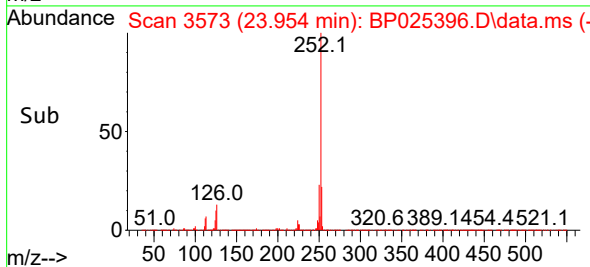
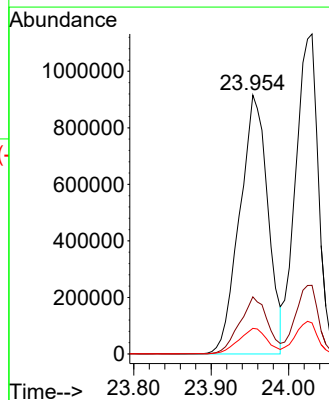
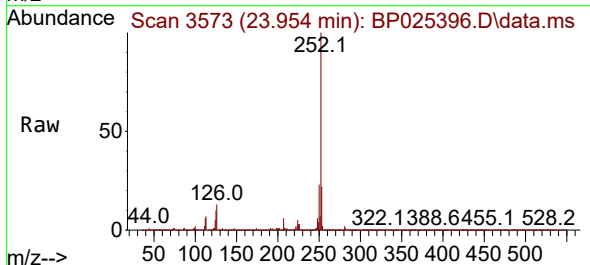
Tgt Ion:252 Resp: 2318198

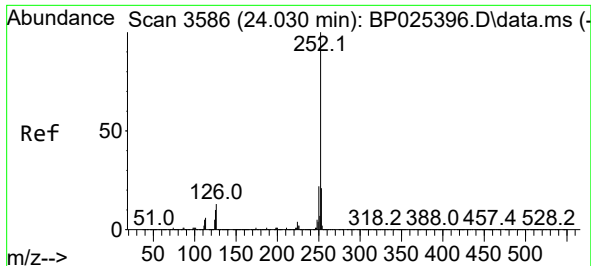
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

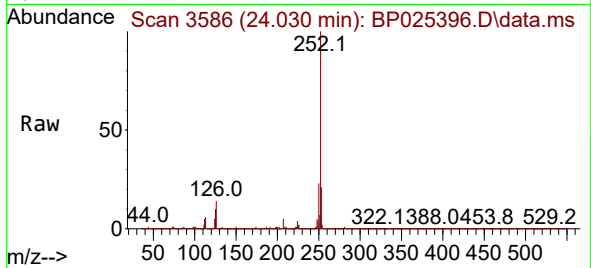
125 9.9 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 38.285 ng
RT: 24.030 min Scan# 3586
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

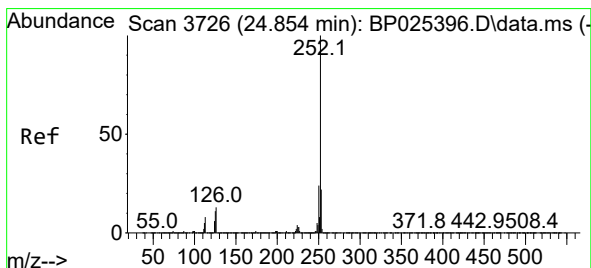
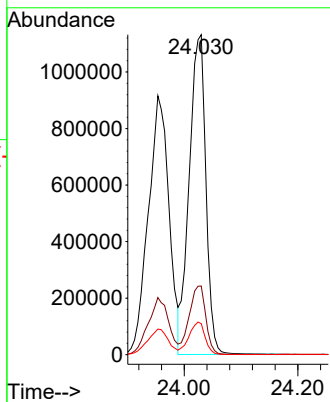
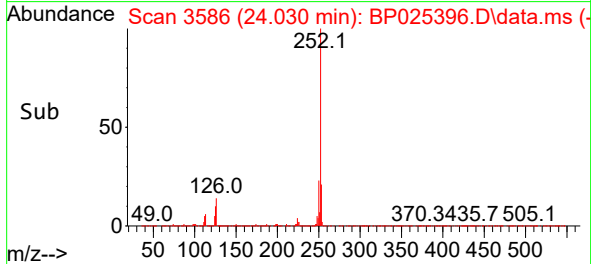
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:252 Resp: 230909
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 9.7 7.8 11.6

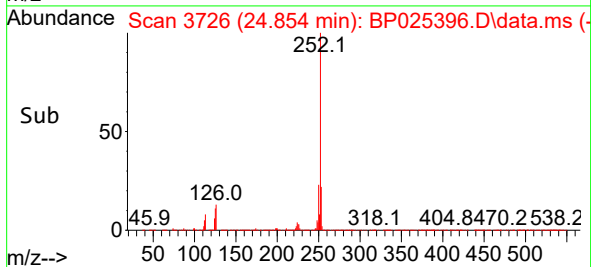
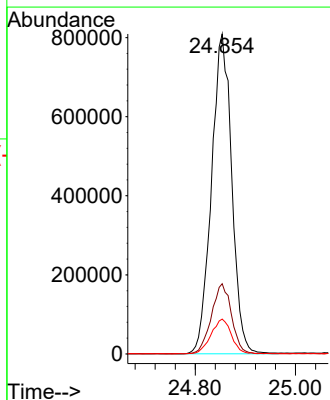
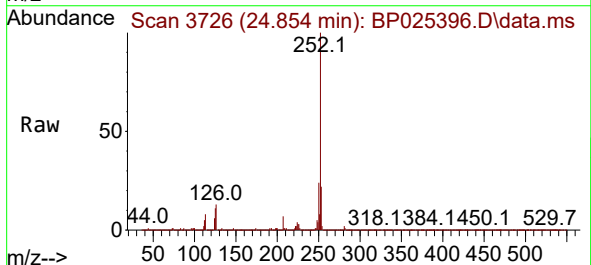
Manual Integrations
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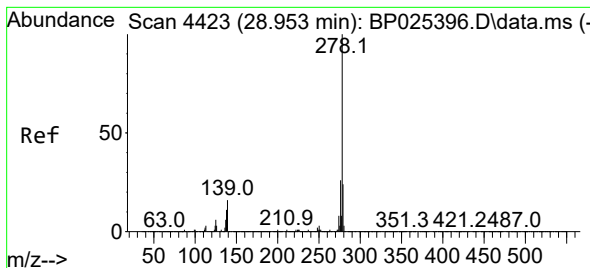
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#90
Benzo(a)pyrene
Concen: 38.620 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

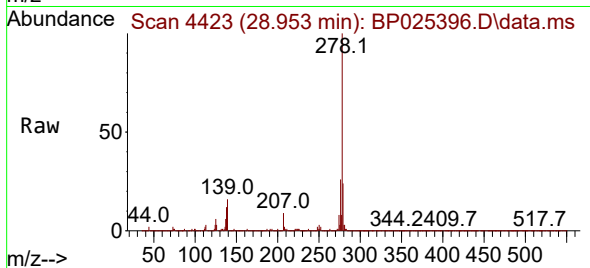
Tgt Ion:252 Resp: 2265862
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.9 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 38.589 ng
RT: 28.953 min Scan# 4423
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

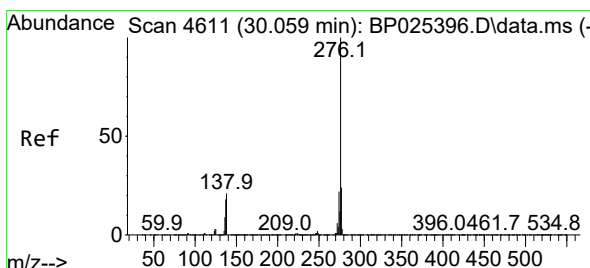
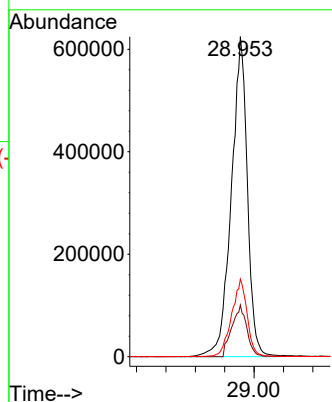
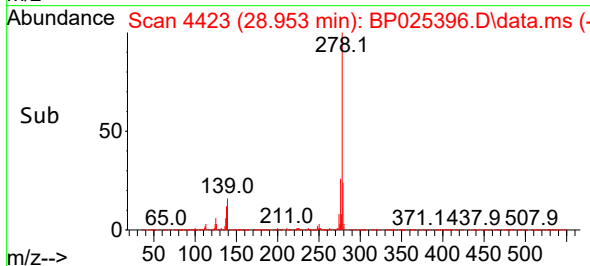
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



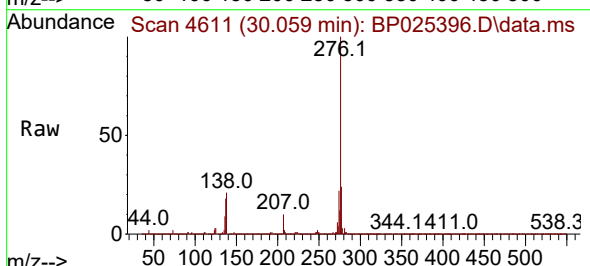
Tgt Ion: 278 Resp: 2363840
Ion Ratio Lower Upper
278 100
139 16.2 13.0 19.4
279 24.3 19.4 29.2

Manual Integrations
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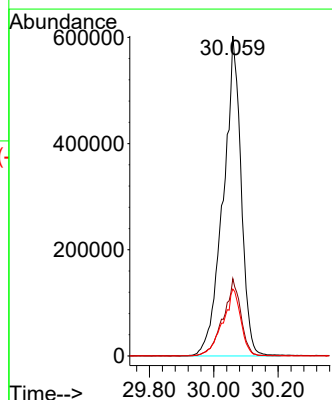
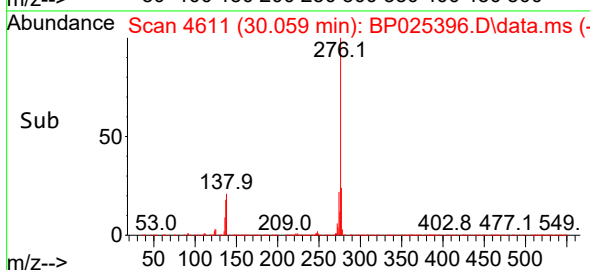
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 38.654 ng
RT: 30.059 min Scan# 4611
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion: 276 Resp: 2327292
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 20.9 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025397.D
 Acq On : 14 Aug 2025 16:01
 Operator : CG/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 14 17:57:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137945	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	573916	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	376731	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	753705	20.000	ng	0.00
76) Chrysene-d12	21.648	240	801742	20.000	ng	0.00
86) Perylene-d12	25.036	264	918939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	855256	102.963	ng	0.00
7) Phenol-d6	6.966	99	1131869	106.283	ng	0.00
23) Nitrobenzene-d5	8.937	82	1201601	105.910	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	539295	106.352	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2856639	103.632	ng	0.00
79) Terphenyl-d14	19.925	244	4409094	100.615	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	165184	50.769	ng	98
3) Pyridine	3.725	79	454022	50.983	ng	97
4) n-Nitrosodimethylamine	3.631	42	192837	52.524	ng	99
6) Aniline	7.125	93	756782	52.743	ng	100
8) 2-Chlorophenol	7.366	128	492570	52.550	ng	99
9) Benzaldehyde	6.943	77	435174	58.325	ng	97
10) Phenol	6.996	94	588764	52.687	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	455697	52.320	ng	99
12) 1,3-Dichlorobenzene	7.684	146	536261	51.884	ng	99
13) 1,4-Dichlorobenzene	7.825	146	550541	52.113	ng	99
14) 1,2-Dichlorobenzene	8.143	146	528750	51.705	ng	99
15) Benzyl Alcohol	8.025	79	443889	52.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	603716	51.742	ng	99
17) 2-Methylphenol	8.225	107	412974	53.211	ng	98
18) Hexachloroethane	8.866	117	202672	52.178	ng	96
19) n-Nitroso-di-n-propyla...	8.590	70	363151	51.419	ng	98
20) 3+4-Methylphenols	8.549	107	565208	52.538	ng	99
22) Acetophenone	8.602	105	750308	52.131	ng	100
24) Nitrobenzene	8.978	77	537647	53.024	ng	98
25) Isophorone	9.502	82	1047736	52.182	ng	99
26) 2-Nitrophenol	9.678	139	282682	54.323	ng	98
27) 2,4-Dimethylphenol	9.737	122	481502	53.806	ng	97
28) bis(2-Chloroethoxy)met...	9.972	93	630027	51.909	ng	99
29) 2,4-Dichlorophenol	10.213	162	475406	53.478	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	507724	52.101	ng	99
31) Naphthalene	10.607	128	1560240	52.305	ng	100
32) Benzoic acid	9.884	122	357706	54.274	ng	96
33) 4-Chloroaniline	10.713	127	705562	53.548	ng	99
34) Hexachlorobutadiene	10.902	225	312163	51.436	ng	98
35) Caprolactam	11.502	113	172663	52.969	ng	94
36) 4-Chloro-3-methylphenol	11.843	107	534583	52.407	ng	100
37) 2-Methylnaphthalene	12.219	142	1003813	51.710	ng	99
38) 1-Methylnaphthalene	12.443	142	1076949	52.167	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	574152	52.769	ng	99
41) Hexachlorocyclopentadiene	12.572	237	364047	55.392	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	396440	53.971	ng	99

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 Acq On : 14 Aug 2025 16:01
 Operator : CG/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

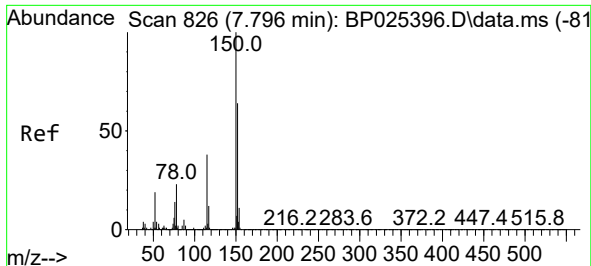
Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:57:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	430061	53.421	ng	99
46) 1,1'-Biphenyl	13.231	154	1447968	52.922	ng	99
47) 2-Chloronaphthalene	13.272	162	1114922	52.344	ng	99
48) 2-Nitroaniline	13.472	65	338939	54.613	ng	98
49) Acenaphthylene	14.125	152	1875998	53.227	ng	100
50) Dimethylphthalate	13.860	163	1424127	51.622	ng	100
51) 2,6-Dinitrotoluene	13.966	165	312149	53.683	ng	97
52) Acenaphthene	14.472	154	1087721	52.577	ng	98
53) 3-Nitroaniline	14.301	138	362030	55.339	ng	99
54) 2,4-Dinitrophenol	14.507	184	175453	56.503	ng	98
55) Dibenzofuran	14.813	168	1705630	52.147	ng	99
56) 4-Nitrophenol	14.619	139	296227	55.103	ng	98
57) 2,4-Dinitrotoluene	14.766	165	450923	54.354	ng	97
58) Fluorene	15.466	166	1332448	51.627	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.043	232	378743	53.281	ng	99
60) Diethylphthalate	15.243	149	1450033	51.728	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	650101	50.647	ng	99
62) 4-Nitroaniline	15.478	138	364030	54.278	ng	99
63) Azobenzene	15.760	77	1262576	52.602	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	262126	55.792	ng	98
66) n-Nitrosodiphenylamine	15.678	169	1195077	51.997	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	433740	52.325	ng	99
68) Hexachlorobenzene	16.495	284	497906	51.816	ng	97
69) Atrazine	16.654	200	451704	52.479	ng	98
70) Pentachlorophenol	16.842	266	332839	54.872	ng	97
71) Phenanthrene	17.248	178	2139431	51.673	ng	100
72) Anthracene	17.337	178	2214911	52.385	ng	100
73) Carbazole	17.613	167	2093175	52.559	ng	99
74) Di-n-butylphthalate	18.213	149	2589522	52.849	ng	99
75) Fluoranthene	19.325	202	2563702	51.910	ng	99
77) Benzidine	19.513	184	1330198	48.615	ng	99
78) Pyrene	19.701	202	2644850	50.754	ng	100
80) Butylbenzylphthalate	20.660	149	1231376	52.139	ng	98
81) Benzo(a)anthracene	21.630	228	2723006	51.499	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	1043476	52.357	ng	99
83) Chrysene	21.701	228	2565856	51.817	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	1805478	51.933	ng	100
85) Di-n-octyl phthalate	22.877	149	3150824	52.690	ng	100
87) Indeno(1,2,3-cd)pyrene	28.859	276	3604179m	53.463	ng	
88) Benzo(b)fluoranthene	23.960	252	2870971	52.982	ng	100
89) Benzo(k)fluoranthene	24.042	252	2817276	51.956	ng	99
90) Benzo(a)pyrene	24.877	252	2800880	53.100	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	2962622	53.795	ng	98
92) Benzo(g,h,i)perylene	30.053	276	2866689m	52.960	ng	

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



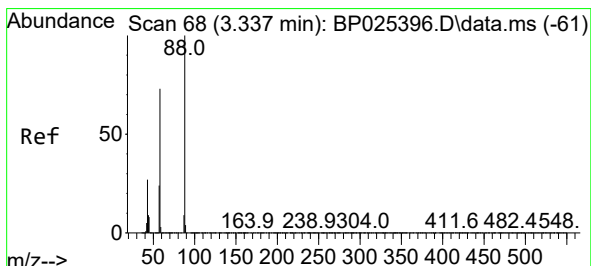
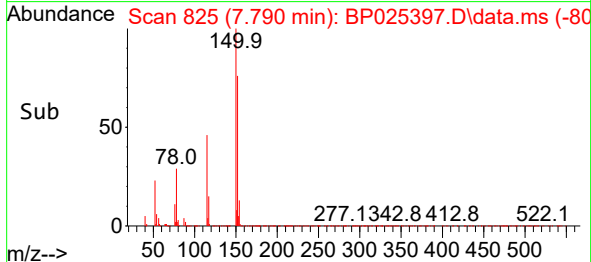
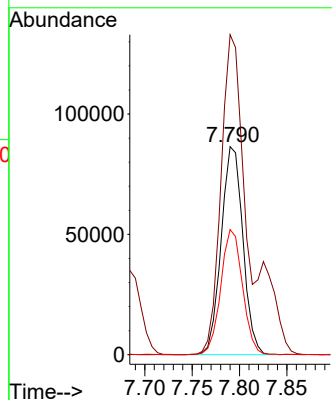
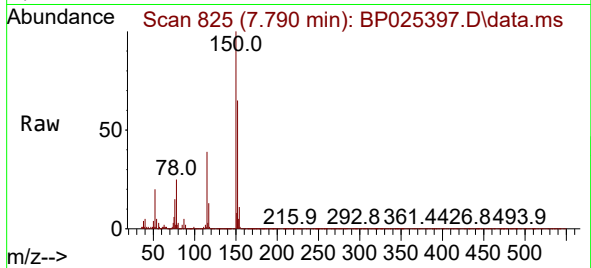
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 152 Resp: 13794
Ion Ratio Lower Upper
152 100
150 153.9 125.9 188.9
115 60.2 48.5 72.7

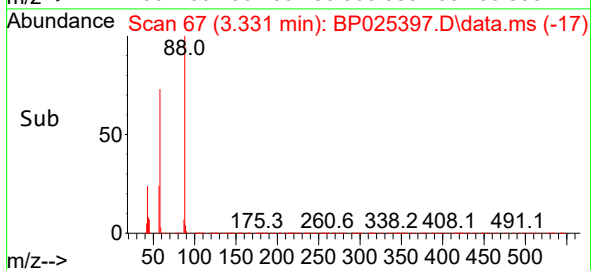
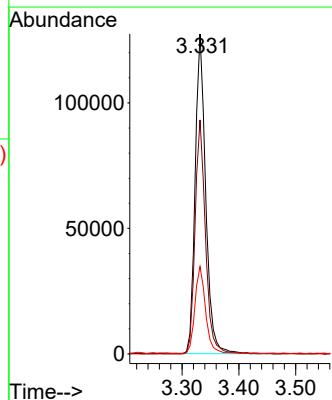
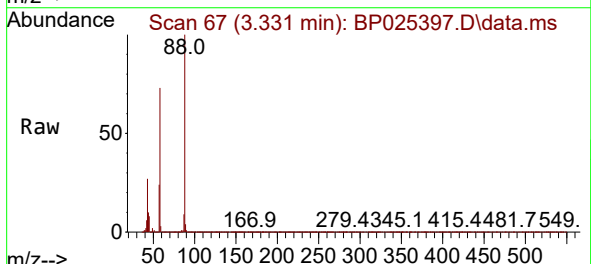
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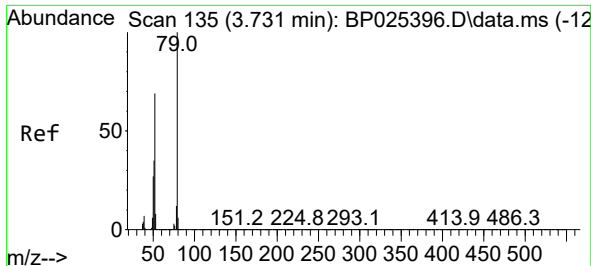
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 50.769 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

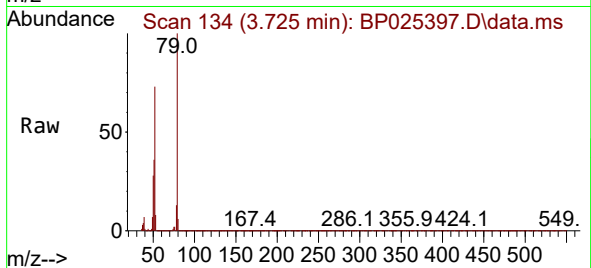
Tgt Ion: 88 Resp: 165184
Ion Ratio Lower Upper
88 100
58 72.6 59.2 88.8
43 27.8 21.7 32.5





#3
Pyridine
Concen: 50.983 ng
RT: 3.725 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

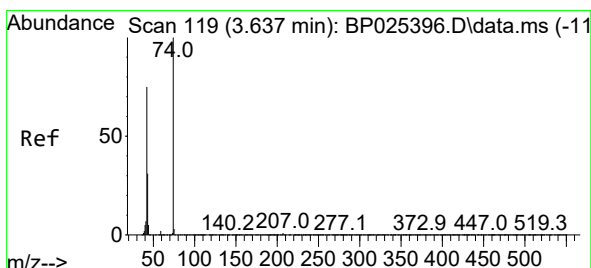
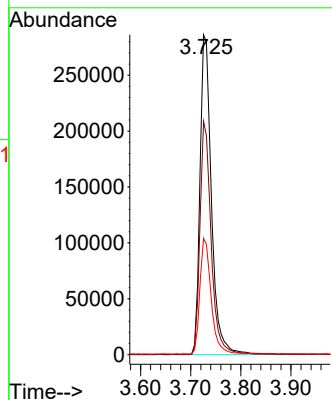
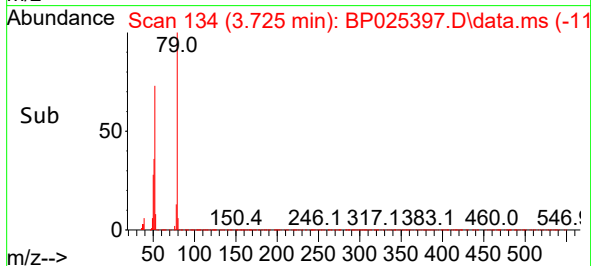
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BNA_P
ClientSampleId :
SSTDICC050



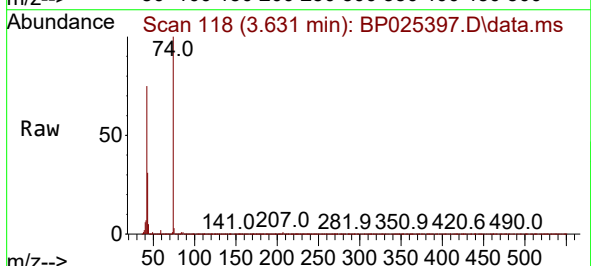
Tgt Ion: 79 Resp: 45402
Ion Ratio Lower Upper
79 100
52 72.9 55.5 83.3
51 36.3 28.3 42.5

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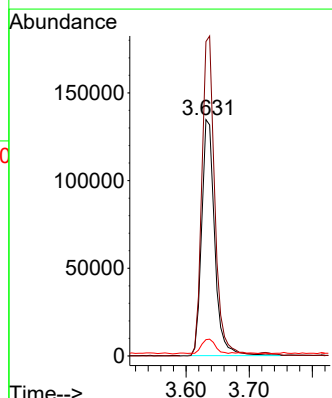
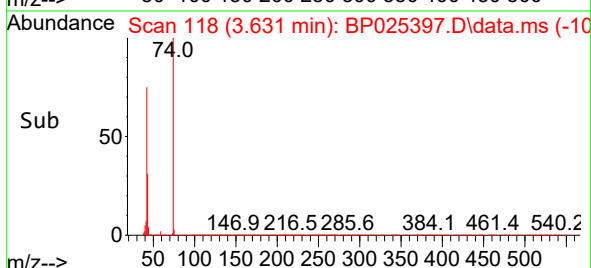
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

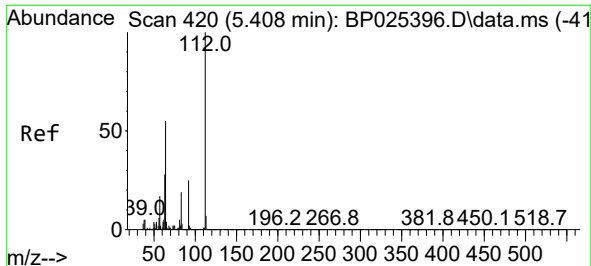


#4
n-Nitrosodimethylamine
Concen: 52.524 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion: 42 Resp: 192837
Ion Ratio Lower Upper
42 100
74 133.0 107.0 160.4
44 6.9 6.2 9.4





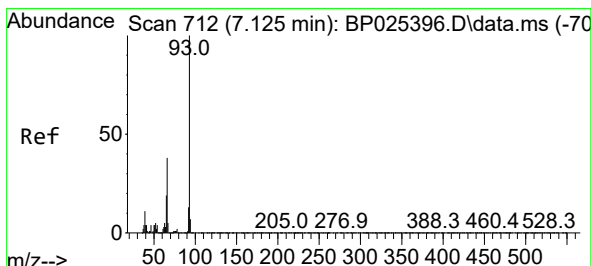
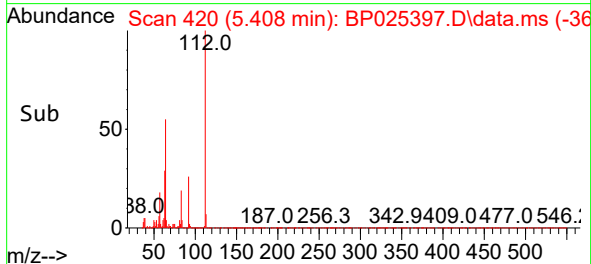
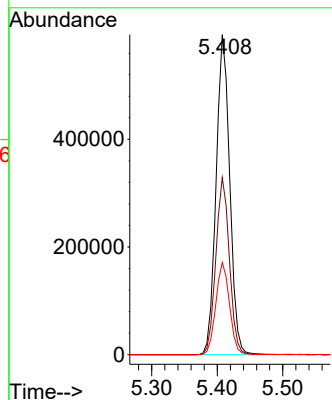
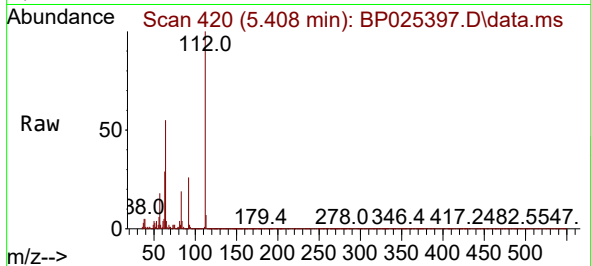
#5
2-Fluorophenol
Concen: 102.963 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 855250
Ion Ratio Lower Upper
112 100
64 55.4 43.8 65.8
63 28.8 22.7 34.1

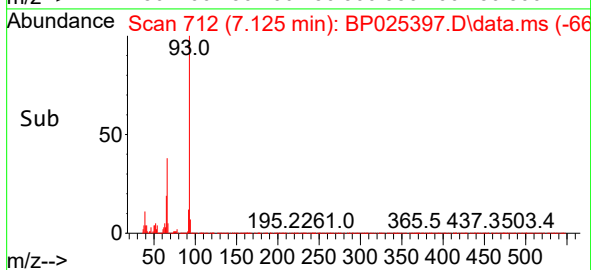
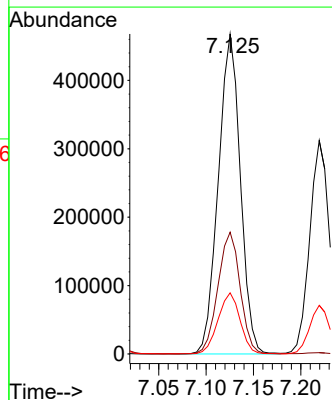
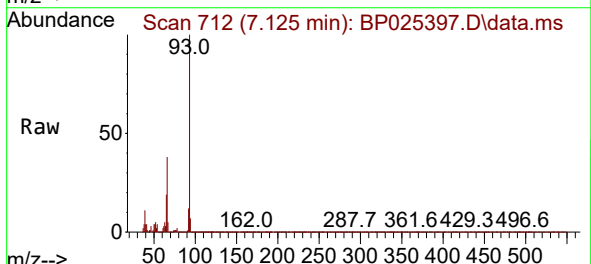
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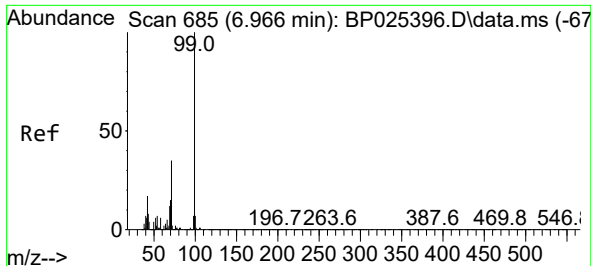
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 52.743 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

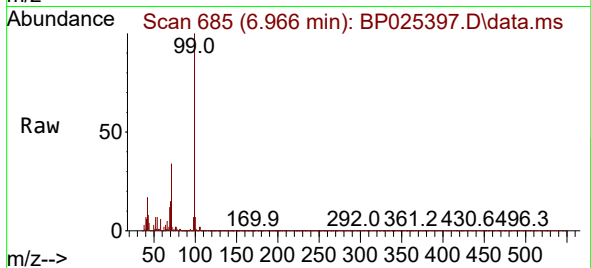
Tgt Ion: 93 Resp: 756782
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 19.1 15.3 22.9





#7
Phenol-d6
Concen: 106.283 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

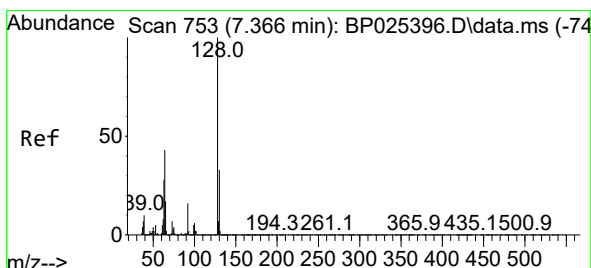
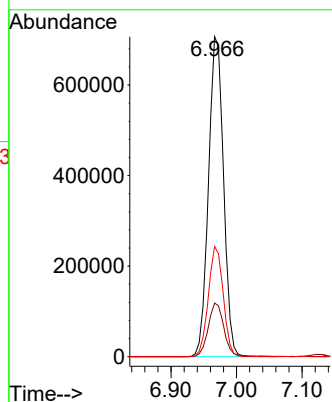
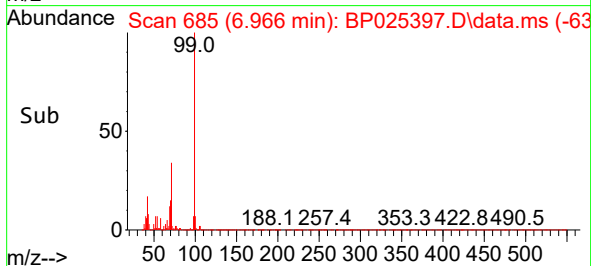
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BNA_P
ClientSampleId :
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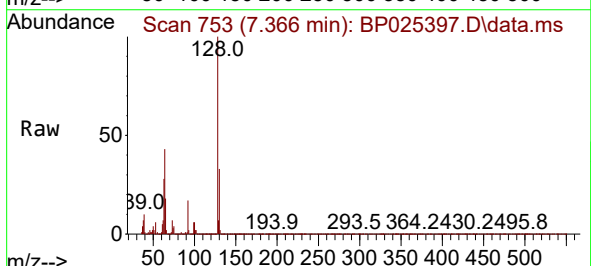
Tgt Ion: 99 Resp: 1131869
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 34.4 28.2 42.4

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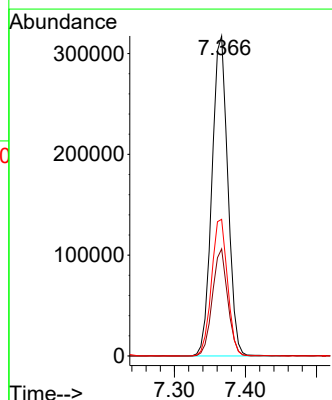
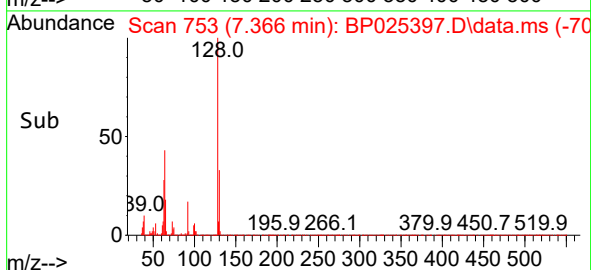
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

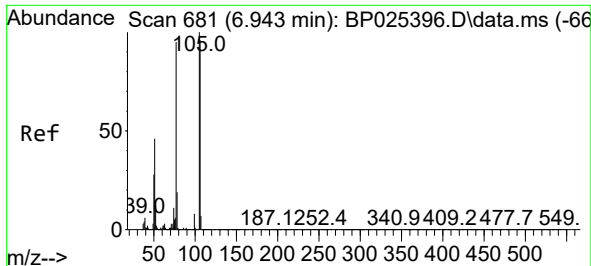


#8
2-Chlorophenol
Concen: 52.550 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



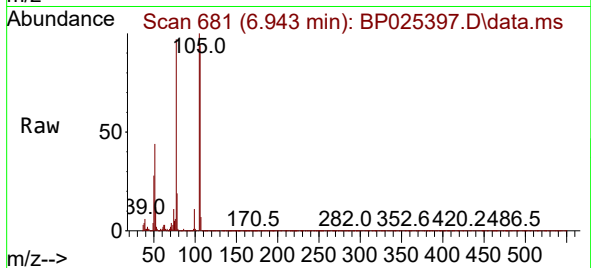
Tgt Ion:128 Resp: 492570
Ion Ratio Lower Upper
128 100
130 33.4 12.6 52.6
64 42.7 23.4 63.4





#9
Benzaldehyde
Concen: 58.325 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

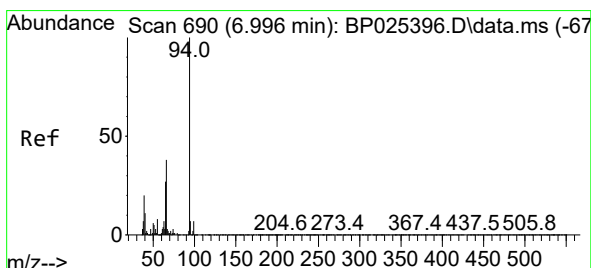
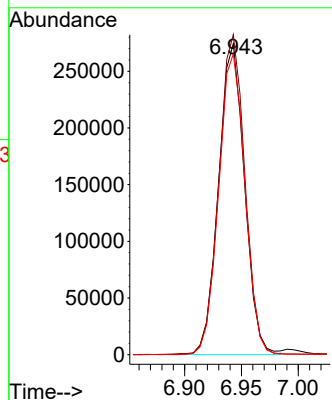
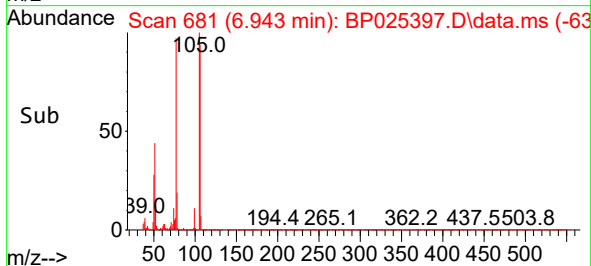
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ClientSampleId :
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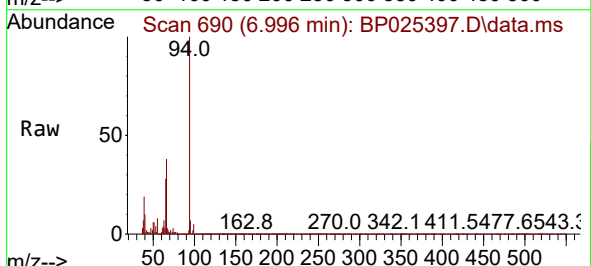
Tgt Ion: 77 Resp: 435174
Ion Ratio Lower Upper
77 100
105 102.9 84.8 124.8
106 96.7 80.5 120.5

Manual Integrations
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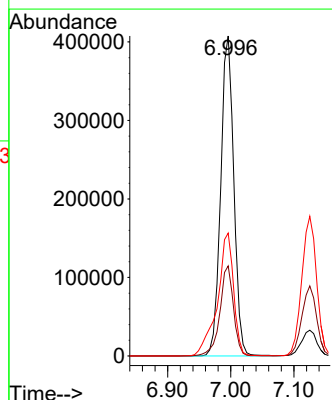
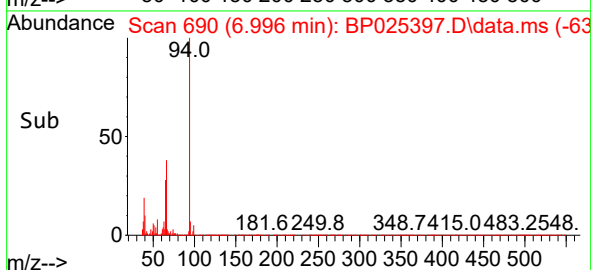
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

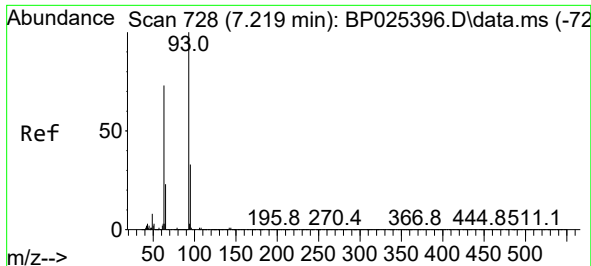


#10
Phenol
Concen: 52.687 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



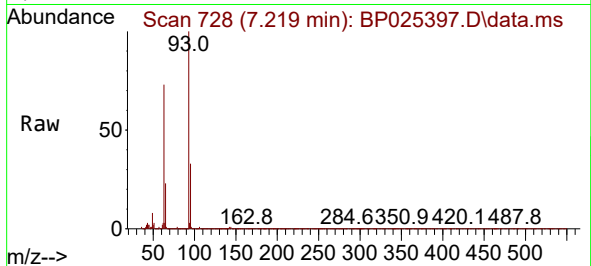
Tgt Ion: 94 Resp: 588764
Ion Ratio Lower Upper
94 100
65 28.1 6.8 46.8
66 38.4 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 52.320 ng
RT: 7.219 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

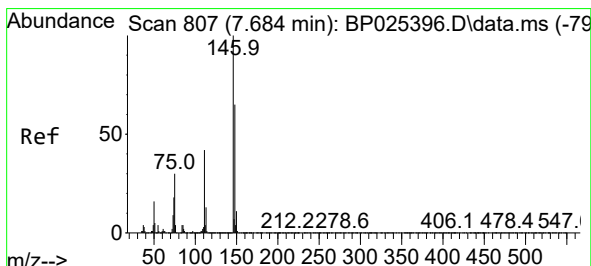
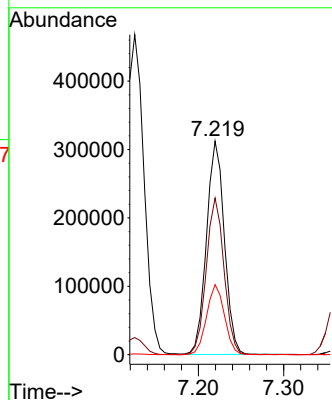
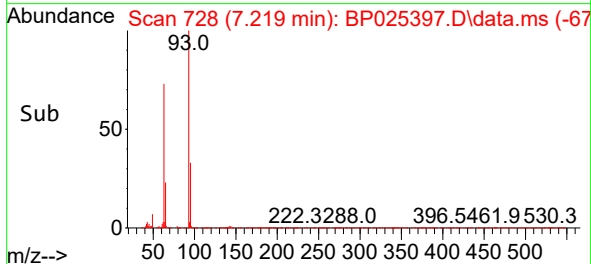
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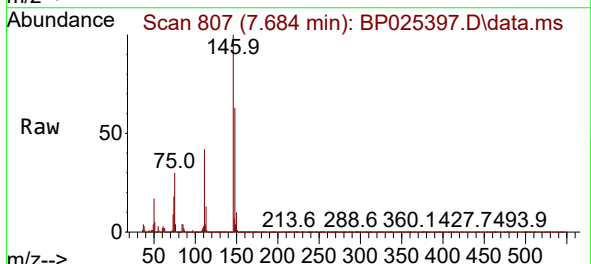
Tgt Ion: 93 Resp: 45569
Ion Ratio Lower Upper
93 100
63 73.4 52.6 92.6
95 32.9 12.7 52.7

Manual Integrations
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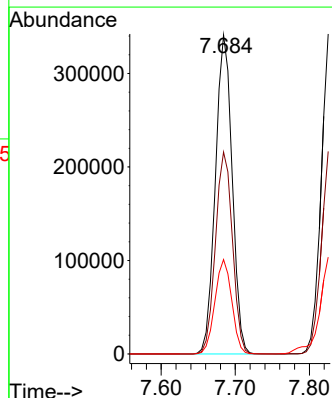
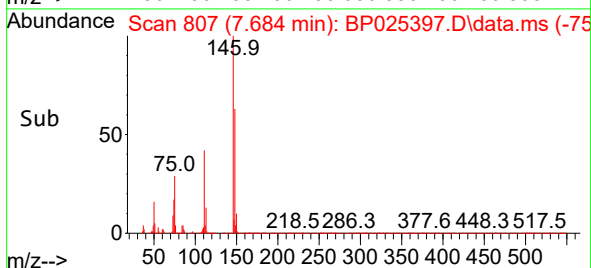
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

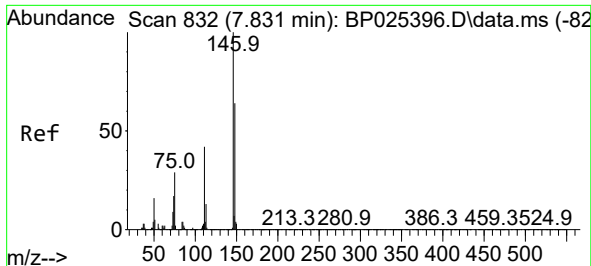


#12
1,3-Dichlorobenzene
Concen: 51.884 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion:146 Resp: 536261
Ion Ratio Lower Upper
146 100
148 63.3 51.9 77.9
75 29.6 23.7 35.5





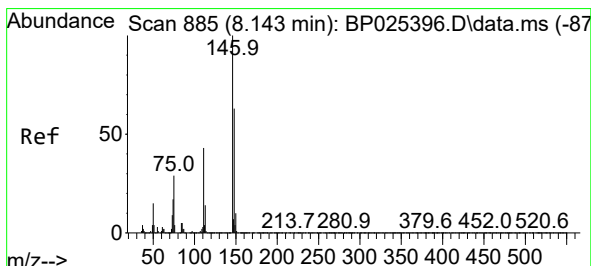
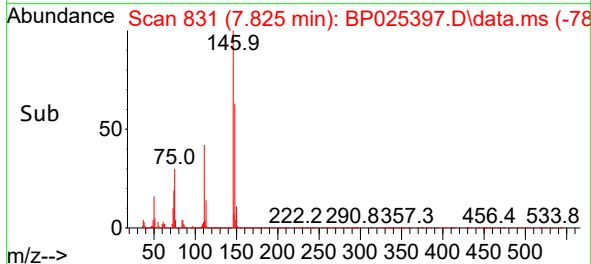
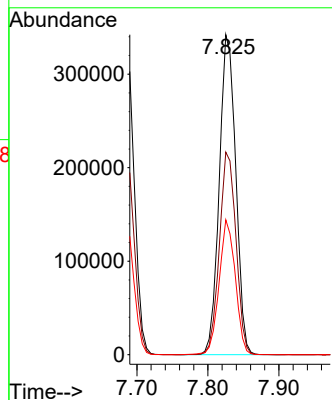
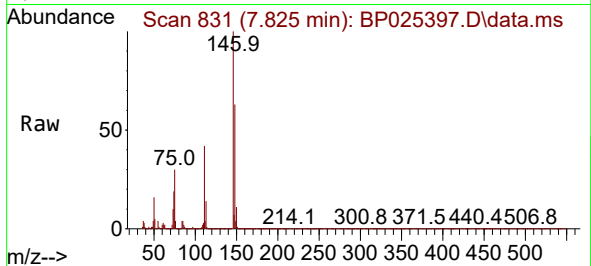
#13
1,4-Dichlorobenzene
Concen: 52.113 ng
RT: 7.825 min Scan# 831
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 55054
Ion Ratio Lower Upper
146 100
148 63.3 51.6 77.4
111 42.2 33.4 50.0

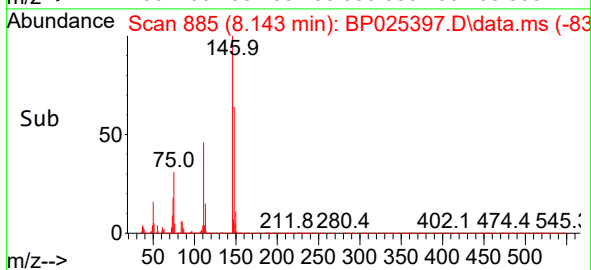
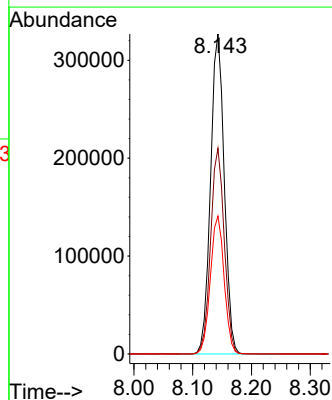
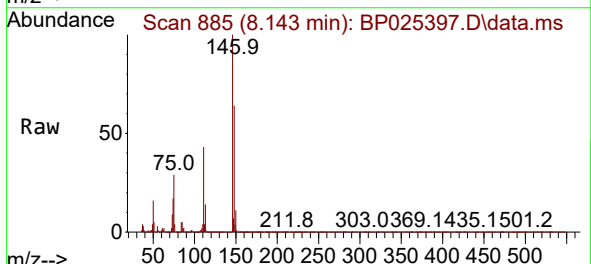
Manual Integrations
APPROVED

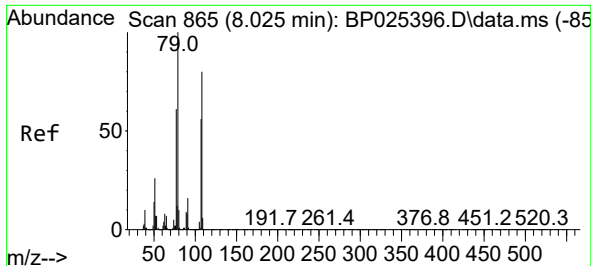
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#14
1,2-Dichlorobenzene
Concen: 51.705 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

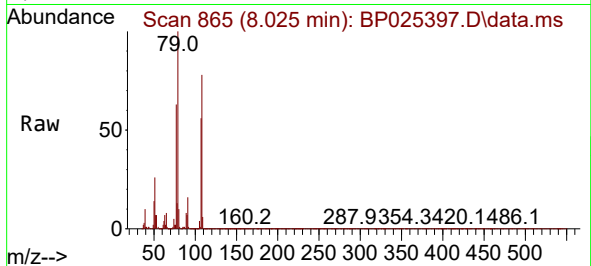
Tgt Ion:146 Resp: 528750
Ion Ratio Lower Upper
146 100
148 64.3 50.4 75.6
111 43.1 34.5 51.7





#15
Benzyl Alcohol
Concen: 52.458 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

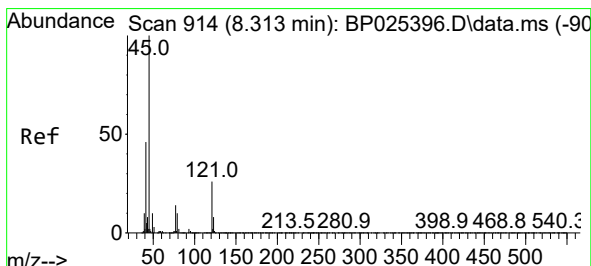
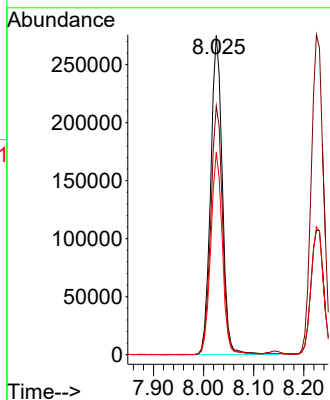
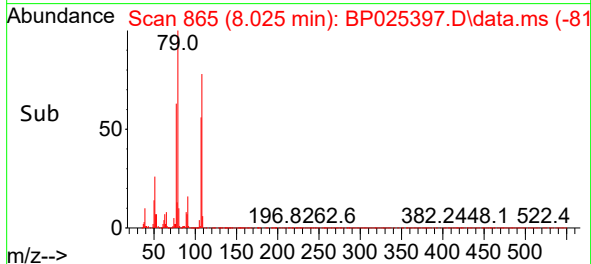
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



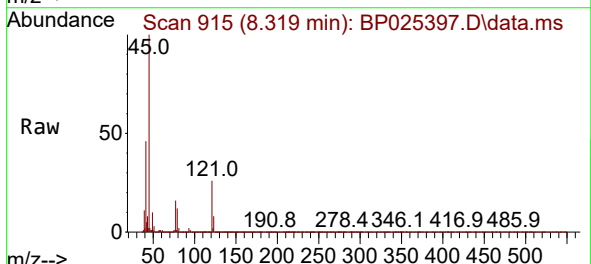
Tgt Ion: 79 Resp: 443889
Ion Ratio Lower Upper
79 100
108 77.9 63.8 95.6
77 63.4 49.0 73.4

Manual Integrations
APPROVED

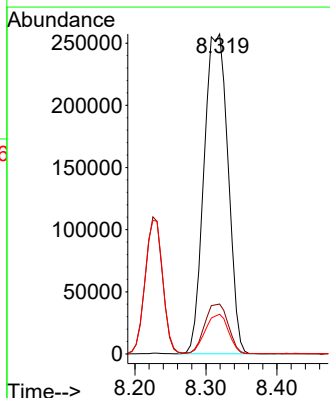
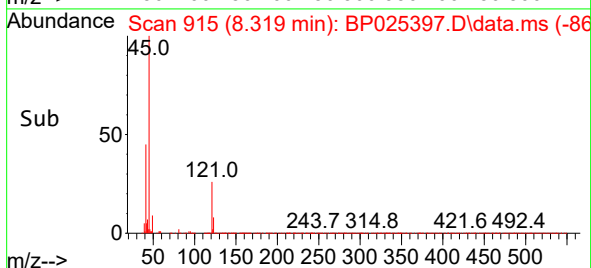
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

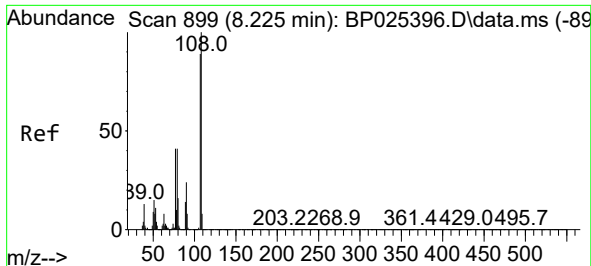


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.742 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion: 45 Resp: 603716
Ion Ratio Lower Upper
45 100
77 15.6 0.0 35.3
79 12.4 0.0 31.8





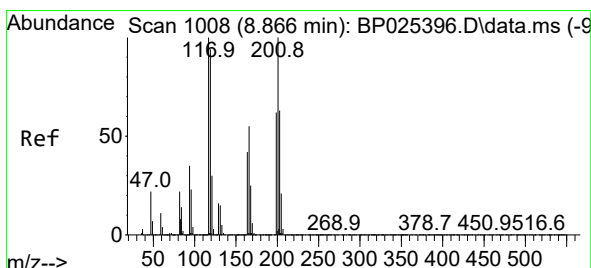
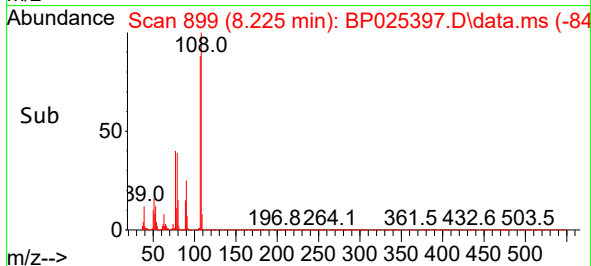
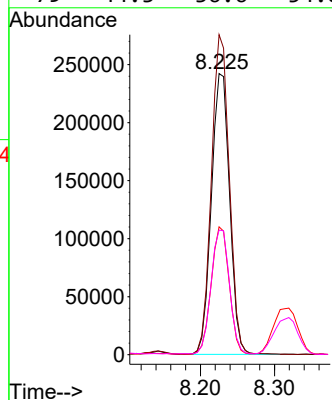
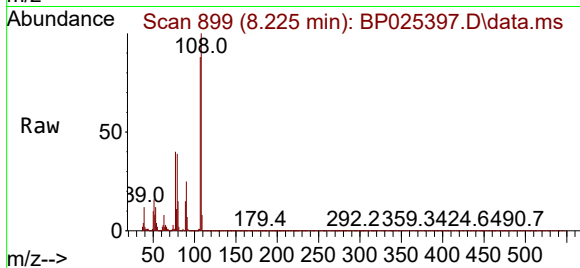
#17
2-Methylphenol
Concen: 53.211 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
Client Sample Id :
SSTDICC050

Tgt Ion:	107	Resp:	412974
Ion	Ratio	Lower	Upper
107	100		
108	113.8	89.4	134.0
77	45.5	36.3	54.5
79	44.3	36.6	54.8

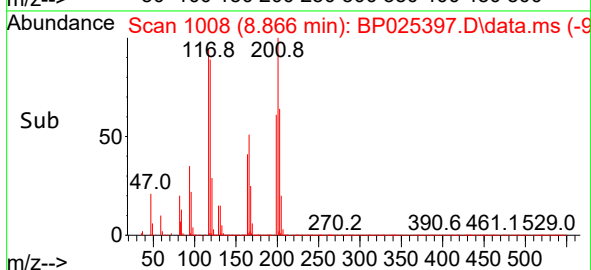
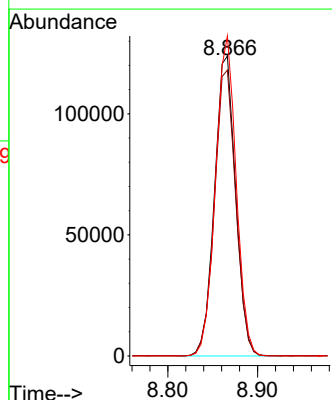
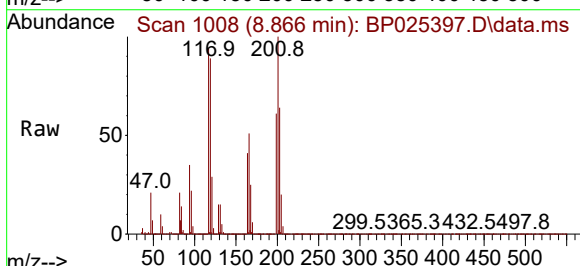
Manual Integrations
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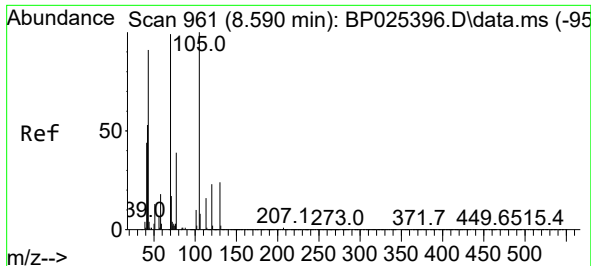
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#18
Hexachloroethane
Concen: 52.178 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

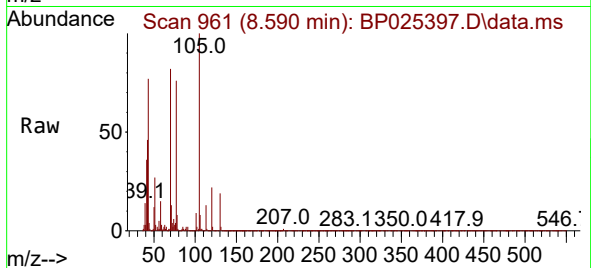
Tgt Ion:	117	Resp:	202672
Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
201	106.7	80.1	120.1





#19
n-Nitroso-di-n-propylamine
Concen: 51.419 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

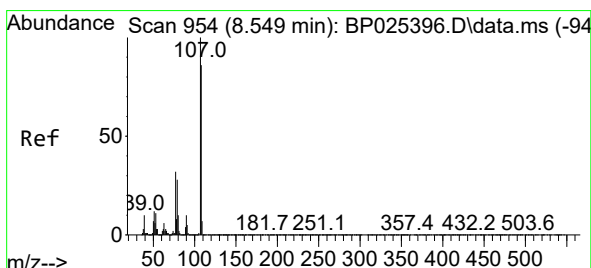
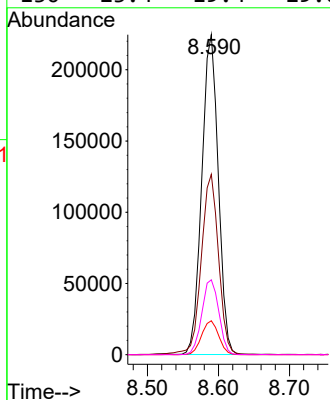
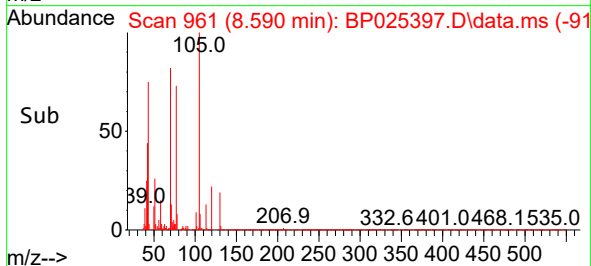
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



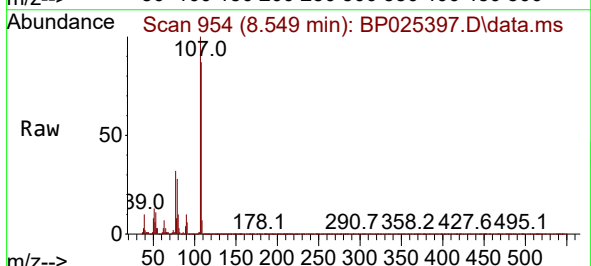
Tgt Ion: 70 Resp: 36315
Ion Ratio Lower Upper
70 100
42 56.4 43.8 65.6
101 10.6 8.5 12.7
130 23.4 19.4 29.0

Manual Integrations
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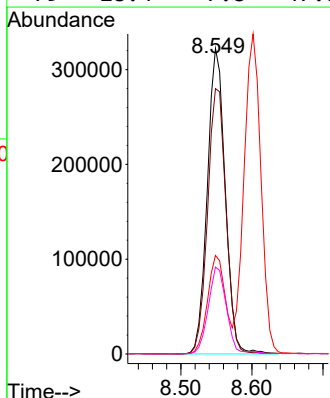
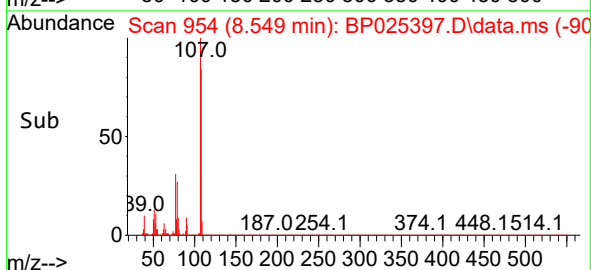
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

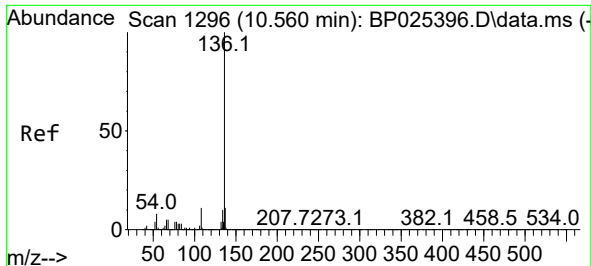


#20
3+4-Methylphenols
Concen: 52.538 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



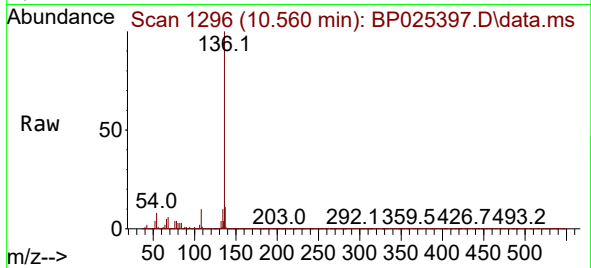
Tgt Ion:107 Resp: 565208
Ion Ratio Lower Upper
107 100
108 86.8 66.3 106.3
77 32.2 12.3 52.3
79 28.4 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

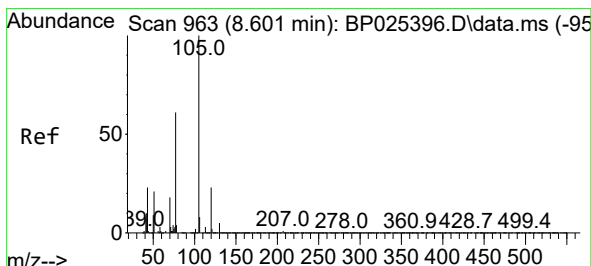
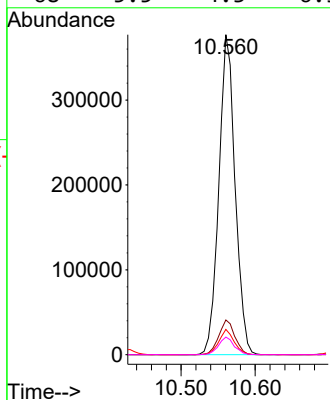
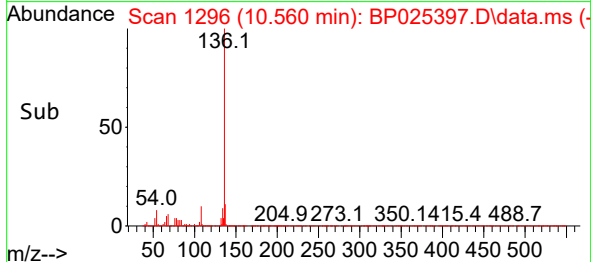
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:	136	Resp:	573910
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.2	13.8
54	7.9	6.0	9.0
68	5.5	4.3	6.5

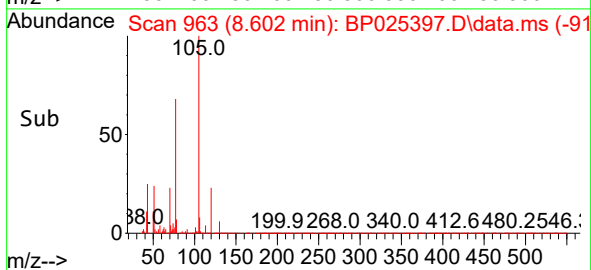
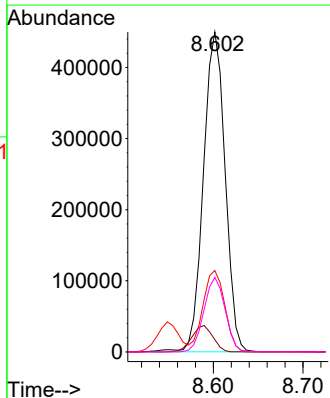
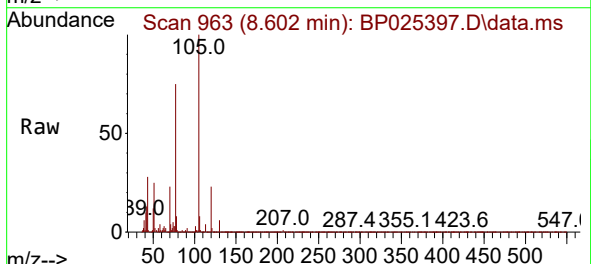
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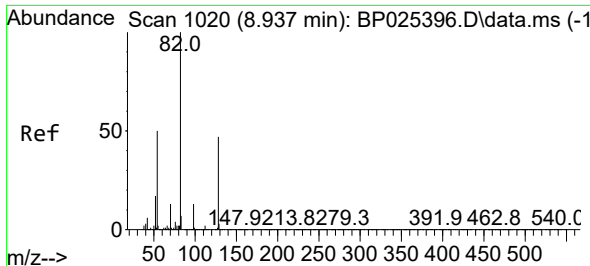
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#22
Acetophenone
Concen: 52.131 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

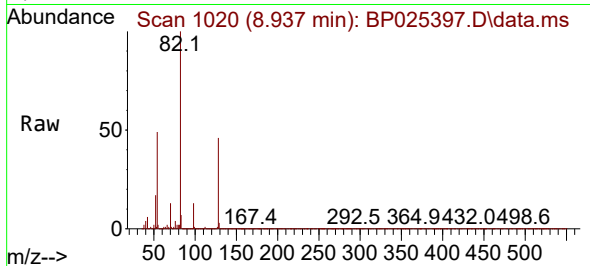
Tgt Ion:	105	Resp:	750308
Ion Ratio	Lower	Upper	
105	100		
71	3.9	2.6	4.0
51	25.5	20.6	30.8
120	23.3	18.6	27.8





#23
Nitrobenzene-d5
Concen: 105.910 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

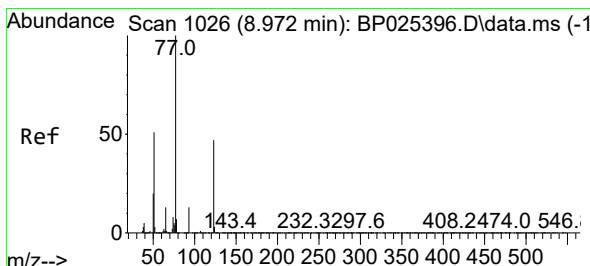
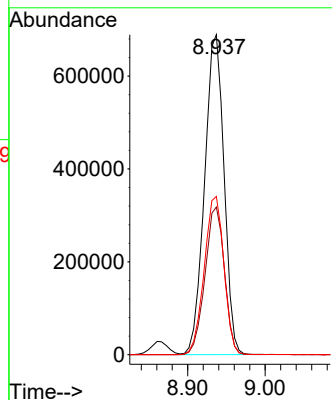
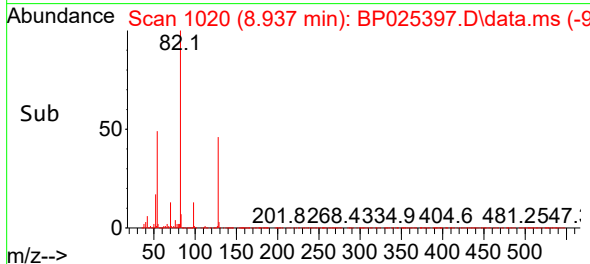
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



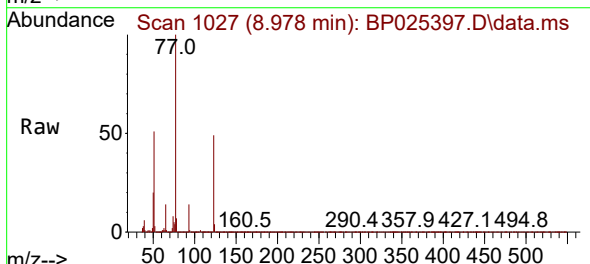
Tgt Ion: 82 Resp: 120160
Ion Ratio Lower Upper
82 100
128 46.2 37.7 56.5
54 49.4 39.8 59.6

Manual Integrations
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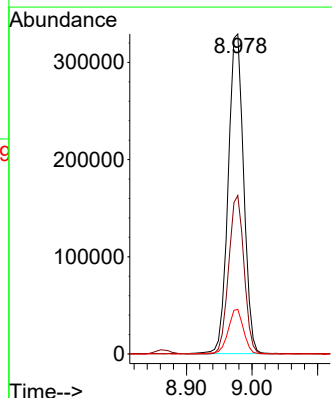
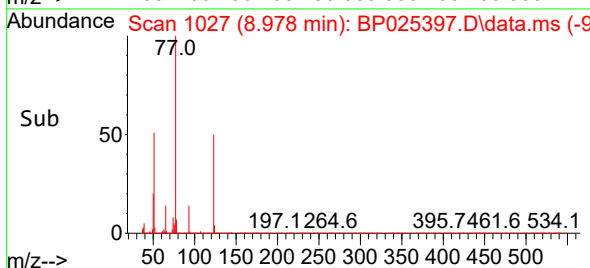
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

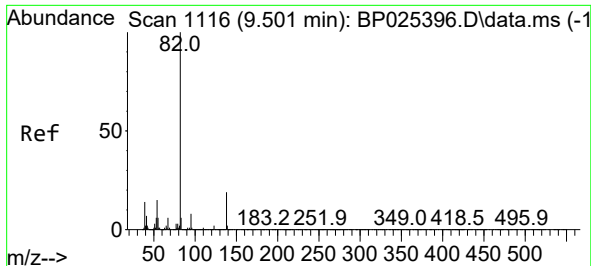


#24
Nitrobenzene
Concen: 53.024 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion: 77 Resp: 537647
Ion Ratio Lower Upper
77 100
123 49.5 38.6 58.0
65 13.9 10.6 15.8





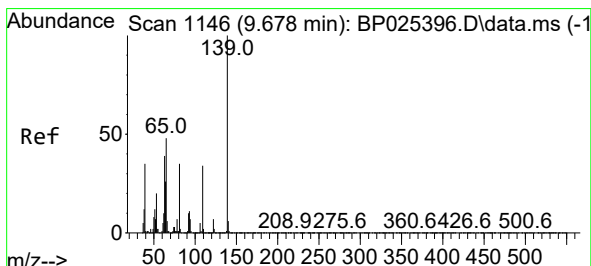
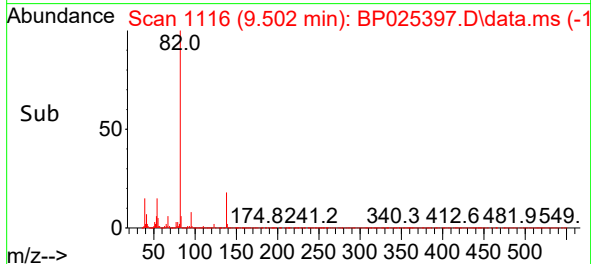
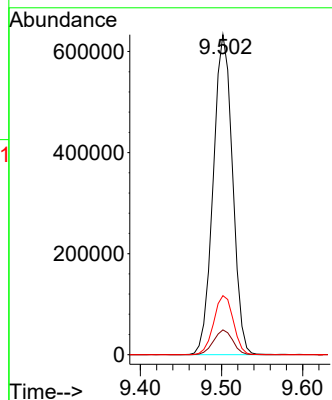
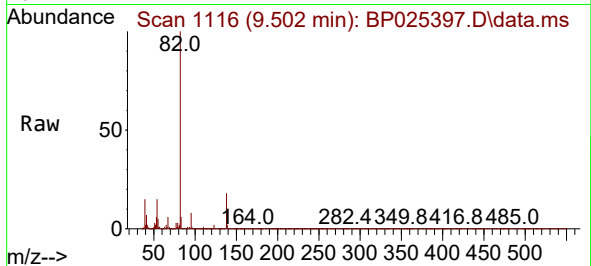
#25
Isophorone
Concen: 52.182 ng
RT: 9.502 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1047730
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 18.5 15.4 23.0

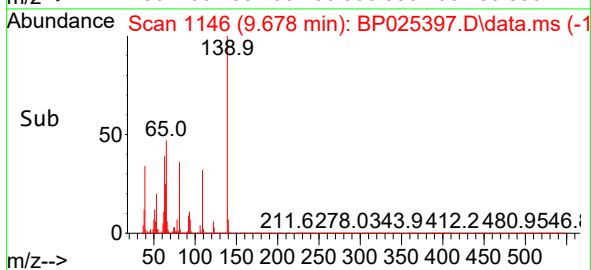
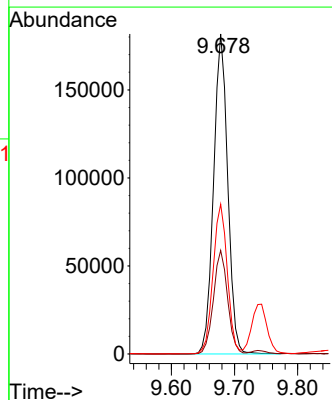
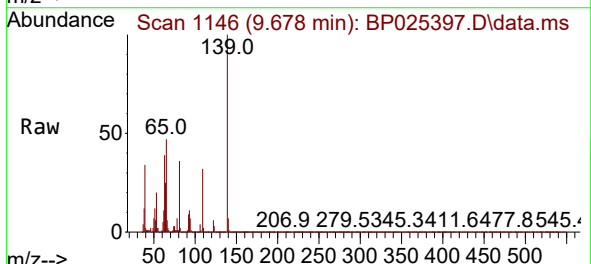
Manual Integrations
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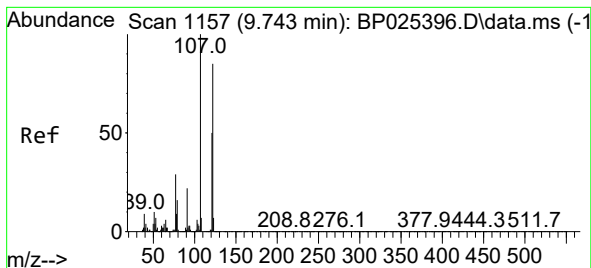
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#26
2-Nitrophenol
Concen: 54.323 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:139 Resp: 282682
Ion Ratio Lower Upper
139 100
109 32.3 26.9 40.3
65 46.8 38.3 57.5





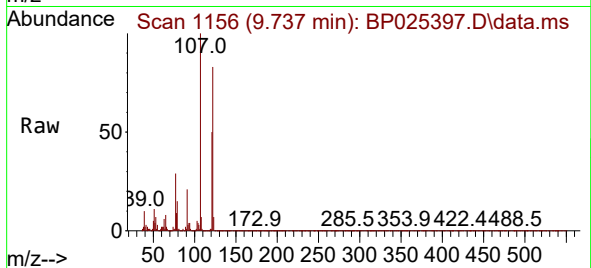
#27
2,4-Dimethylphenol
Concen: 53.806 ng
RT: 9.737 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050



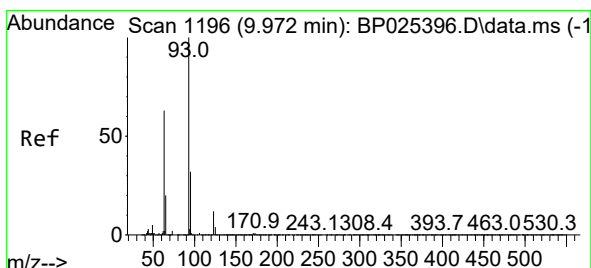
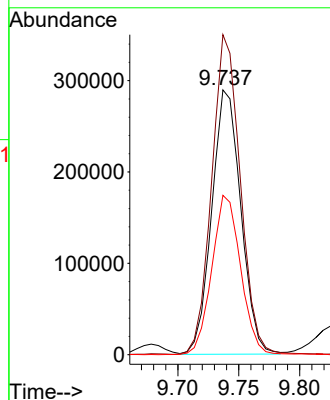
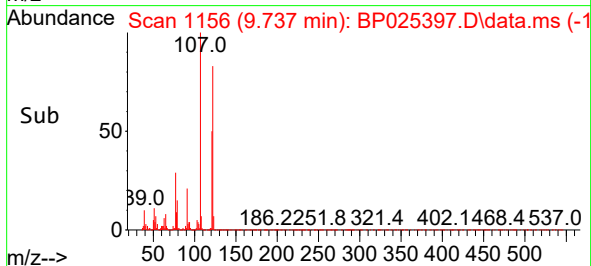
Tgt Ion: 122 Resp: 48150
Ion Ratio Lower Upper
122 100
107 120.8 93.7 140.5
121 60.2 46.6 69.8

Manual Integrations

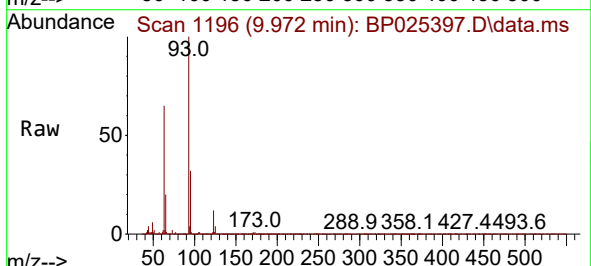
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

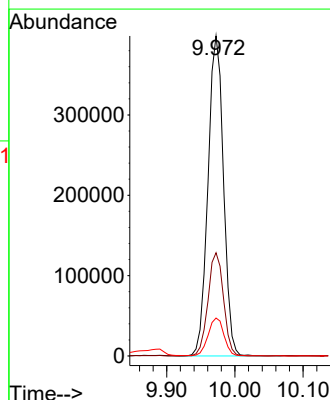
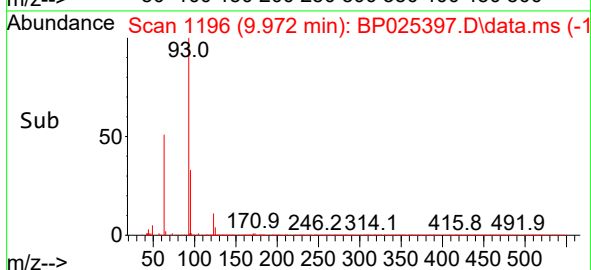
Supervised By :Jagrut Upadhyay 08/15/2025

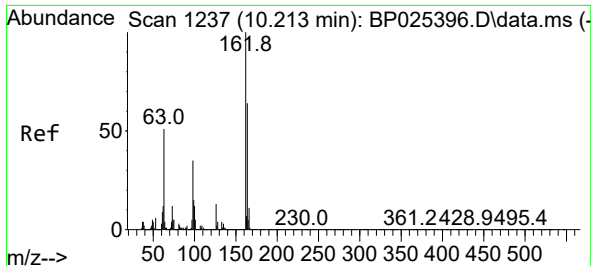


#28
bis(2-Chloroethoxy)methane
Concen: 51.909 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



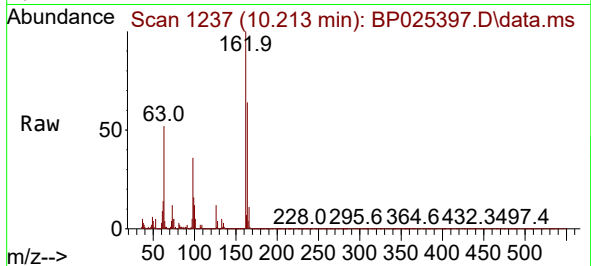
Tgt Ion: 93 Resp: 630027
Ion Ratio Lower Upper
93 100
95 32.2 25.4 38.0
123 11.8 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 53.478 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

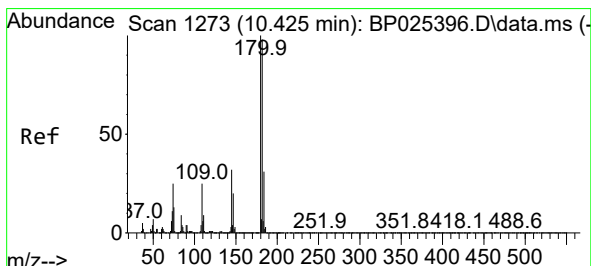
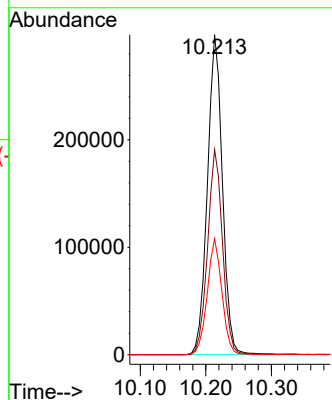
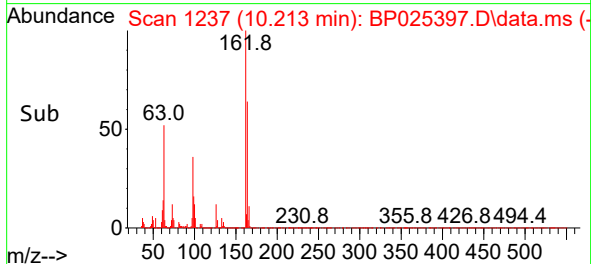
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



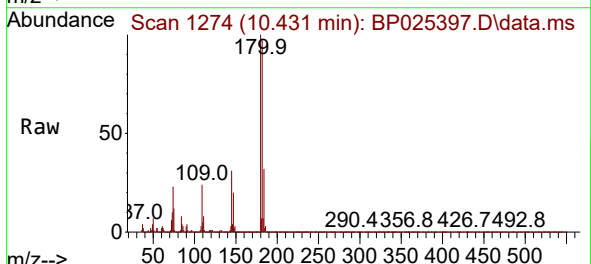
Tgt Ion:162 Resp: 475400
Ion Ratio Lower Upper
162 100
164 64.1 44.4 84.4
98 36.2 14.9 54.9

Manual Integrations
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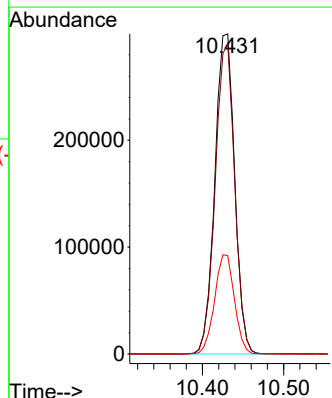
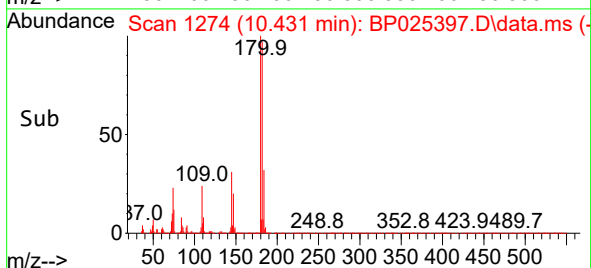
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

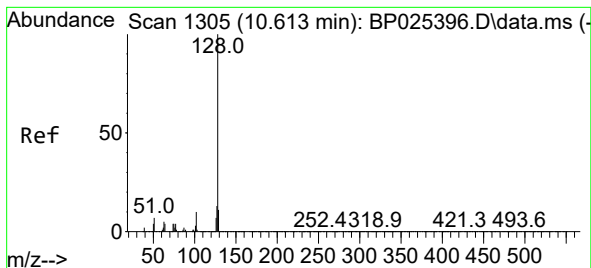


#30
1,2,4-Trichlorobenzene
Concen: 52.101 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



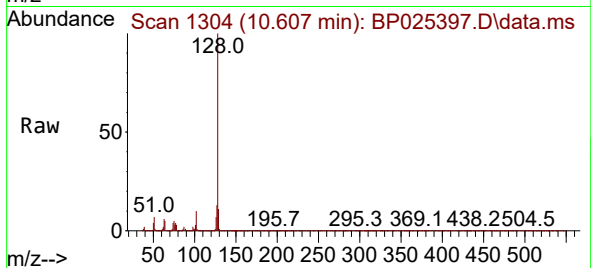
Tgt Ion:180 Resp: 507724
Ion Ratio Lower Upper
180 100
182 97.0 78.0 117.0
145 30.8 25.9 38.9





#31
Naphthalene
Concen: 52.305 ng
RT: 10.607 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

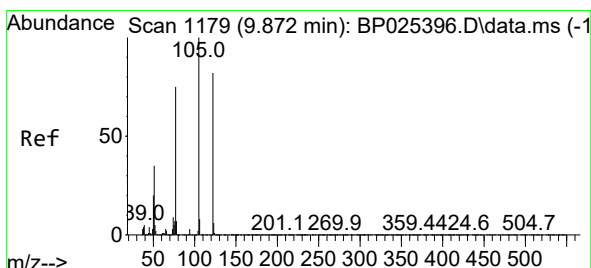
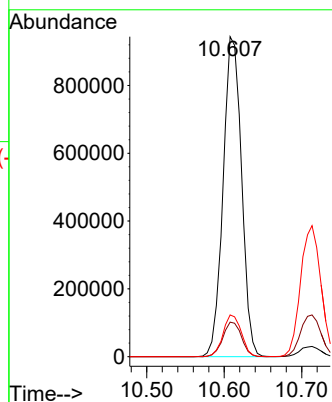
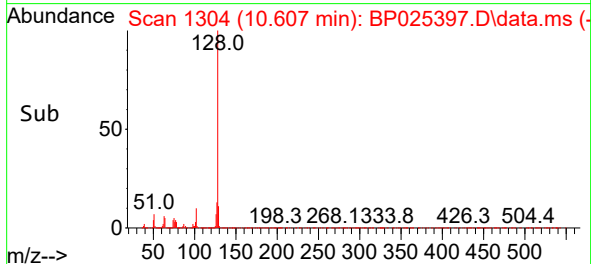
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 1560240
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.7 16.1

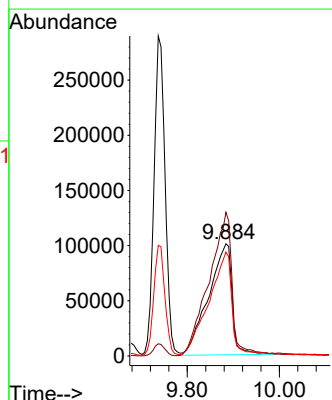
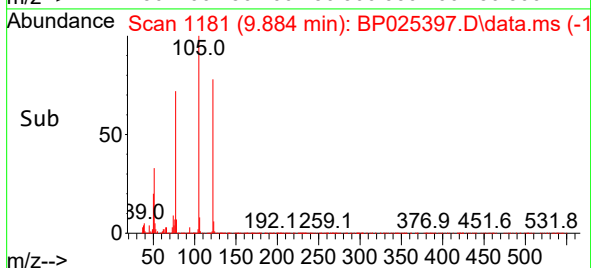
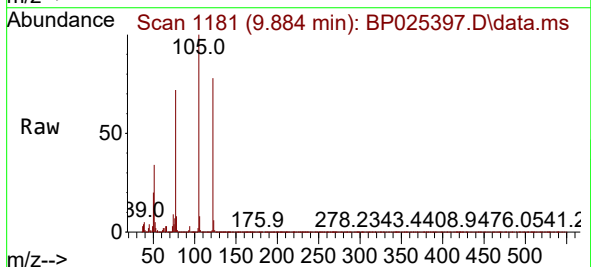
Manual Integrations
APPROVED

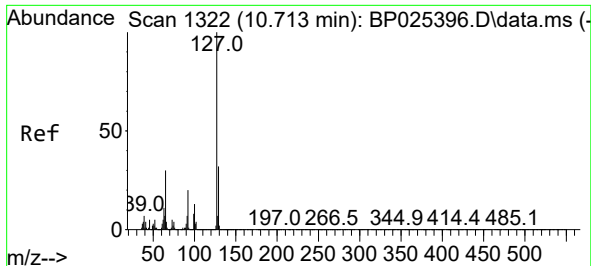
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#32
Benzoic acid
Concen: 54.274 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

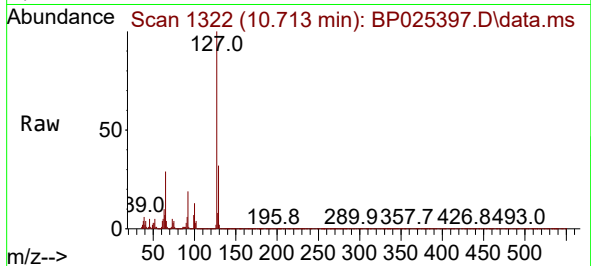
Tgt Ion:122 Resp: 357706
Ion Ratio Lower Upper
122 100
105 128.1 100.6 140.6
77 92.6 71.5 111.5





#33
4-Chloroaniline
Concen: 53.548 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

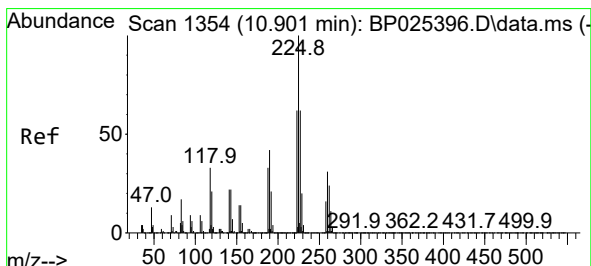
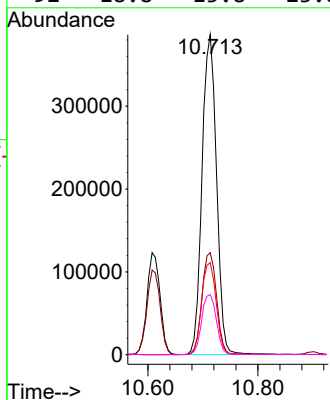
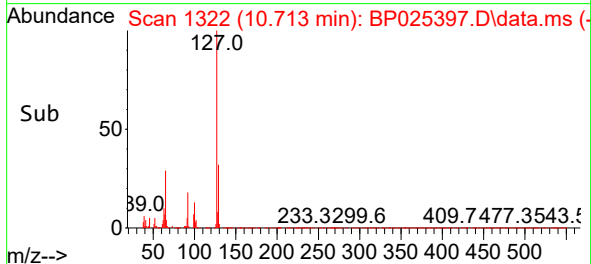
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	28.7	23.8	35.6
92	18.8	15.8	23.8

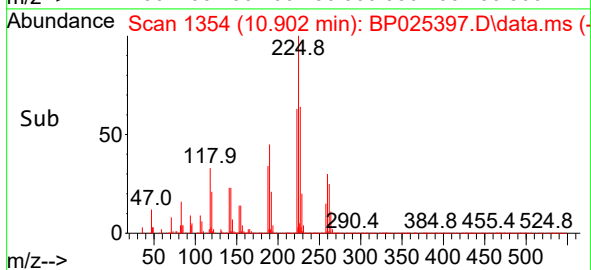
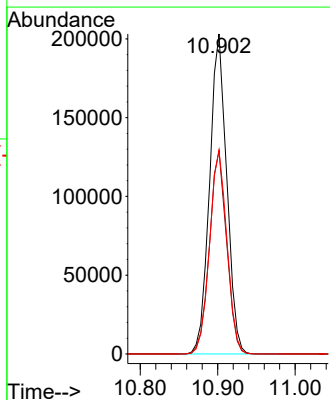
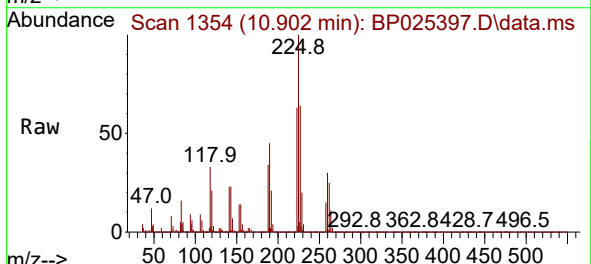
Manual Integrations
APPROVED

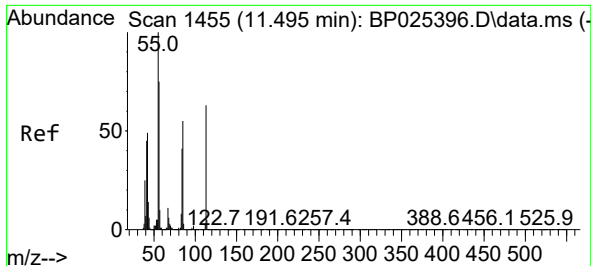
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#34
Hexachlorobutadiene
Concen: 51.436 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

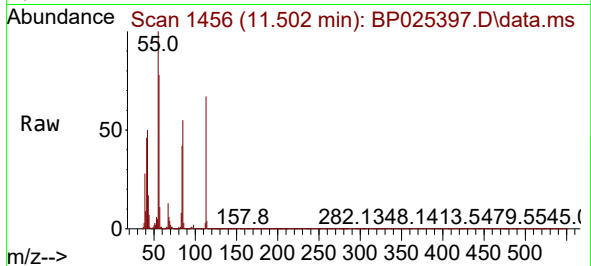
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0
227	63.7	49.7	74.5





#35
Caprolactam
Concen: 52.969 ng
RT: 11.502 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

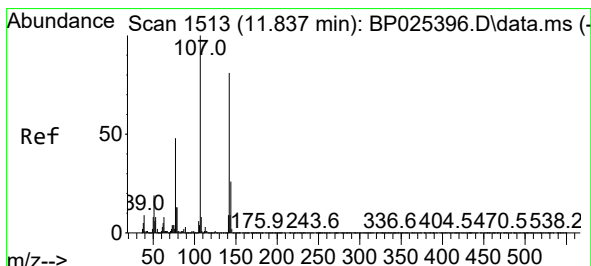
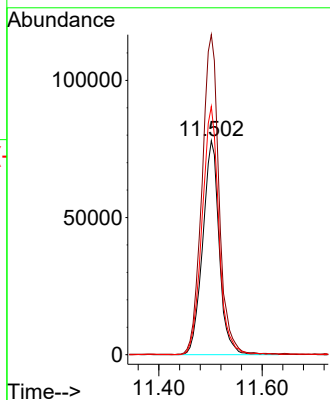
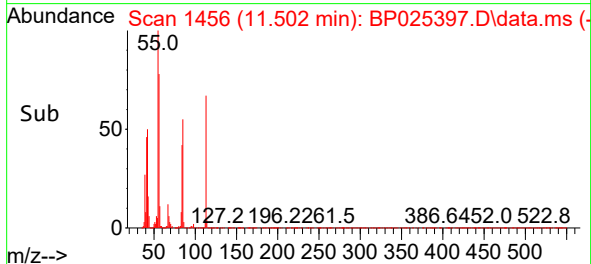
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



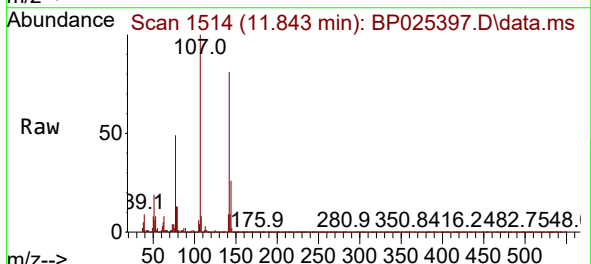
Tgt Ion:113 Resp: 17266
Ion Ratio Lower Upper
113 100
55 149.6 140.0 180.0
56 116.0 100.0 140.0

Manual Integrations
APPROVED

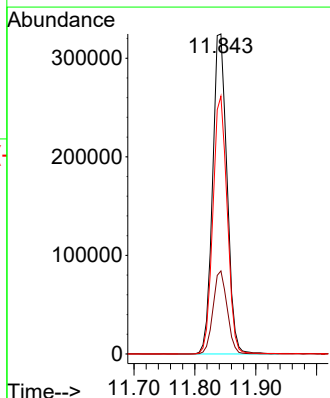
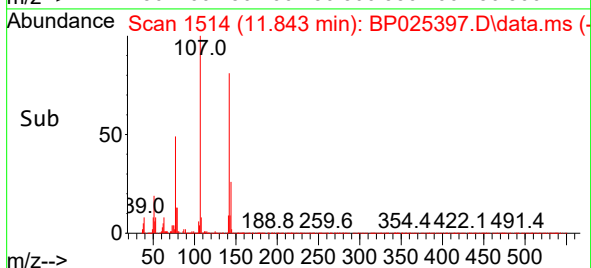
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

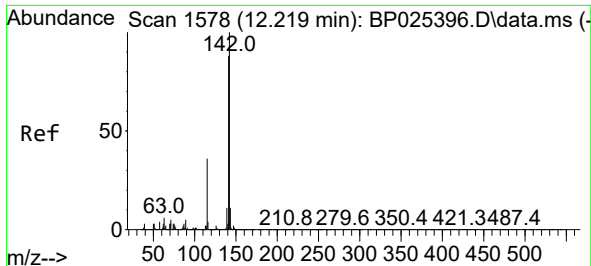


#36
4-Chloro-3-methylphenol
Concen: 52.407 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



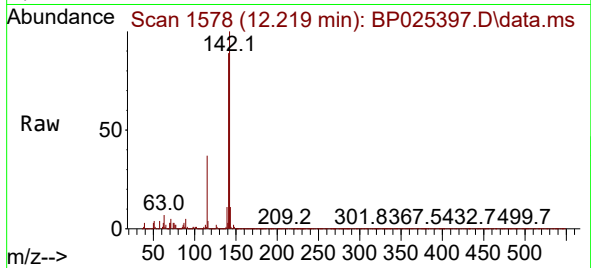
Tgt Ion:107 Resp: 534583
Ion Ratio Lower Upper
107 100
144 26.0 21.0 31.4
142 80.6 64.6 97.0





#37
2-Methylnaphthalene
Concen: 51.710 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

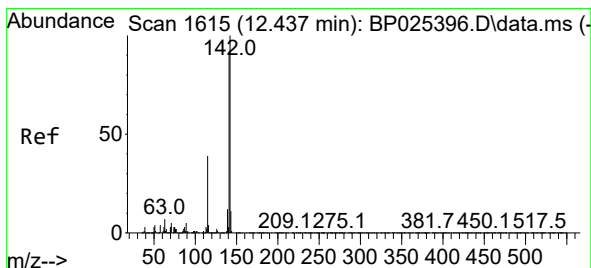
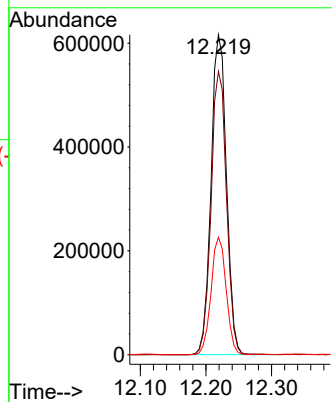
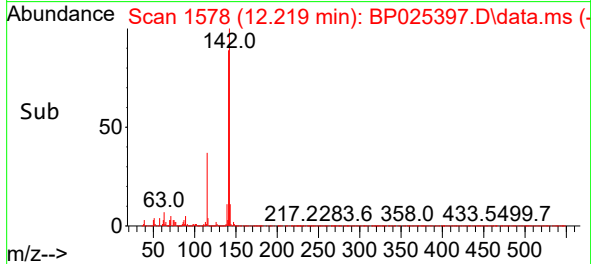
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



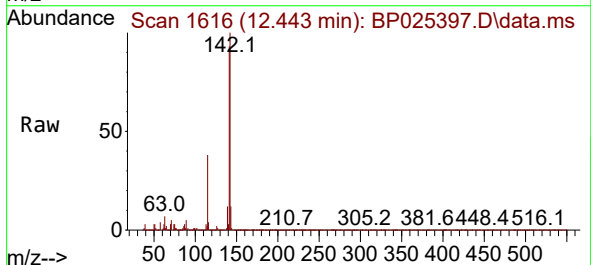
Tgt Ion:142 Resp: 100381
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 36.7 28.9 43.3

Manual Integrations
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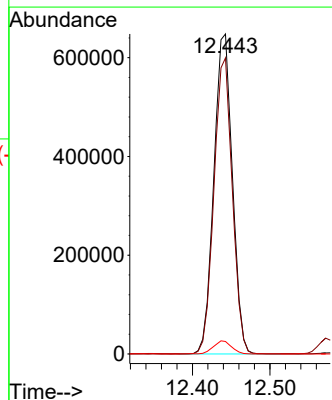
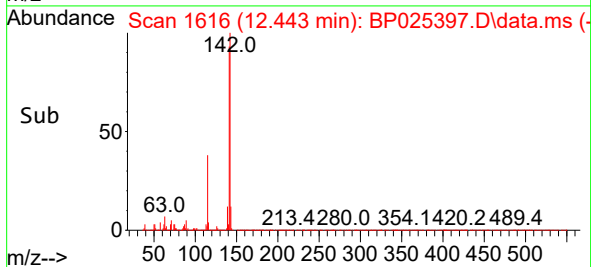
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

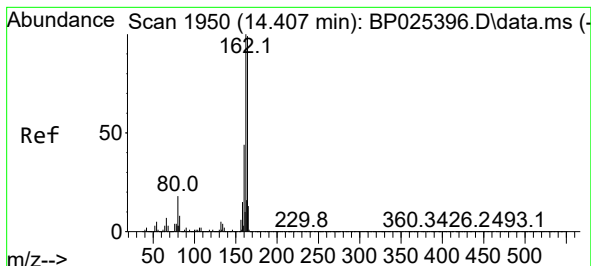


#38
1-Methylnaphthalene
Concen: 52.167 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



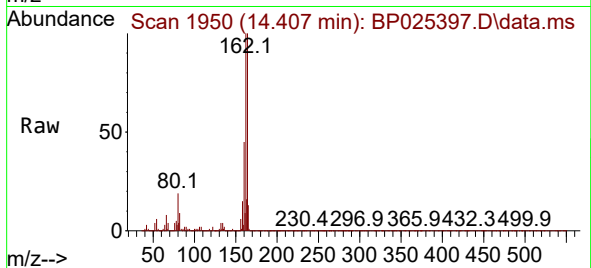
Tgt Ion:142 Resp: 1076949
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7
116 3.9 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

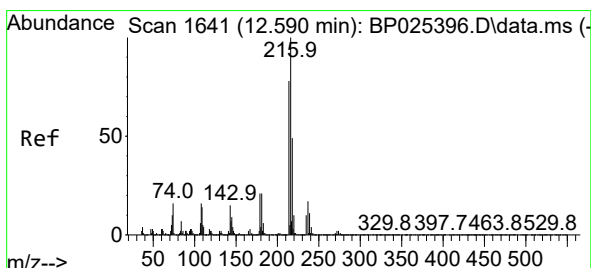
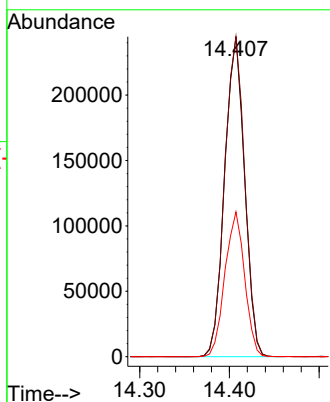
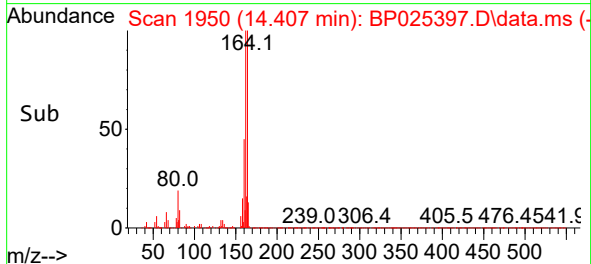
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



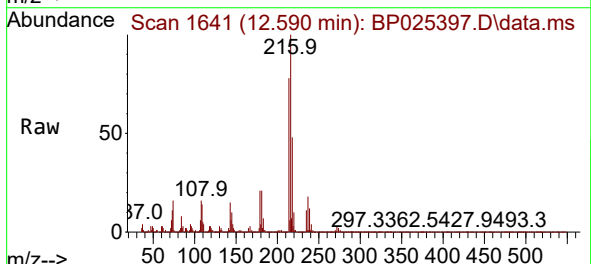
Tgt Ion:164 Resp: 37673
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.6
160 45.2 35.4 53.2

Manual Integrations
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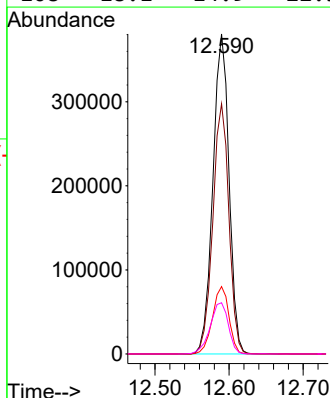
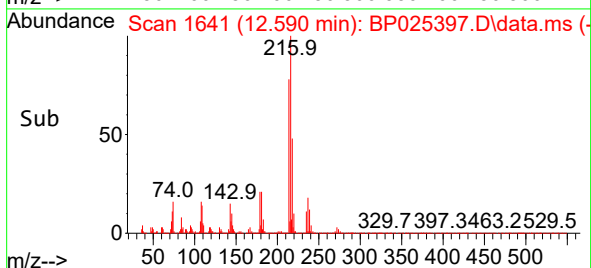
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

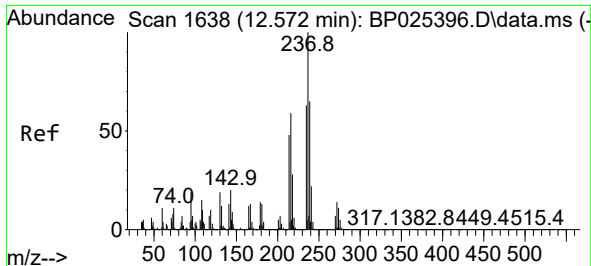


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.769 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



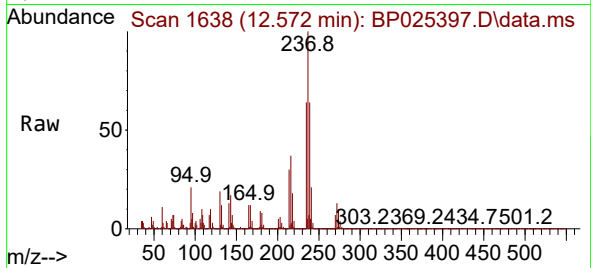
Tgt Ion:216 Resp: 574152
Ion Ratio Lower Upper
216 100
214 78.2 63.0 94.4
179 21.5 17.1 25.7
108 18.1 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 55.392 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

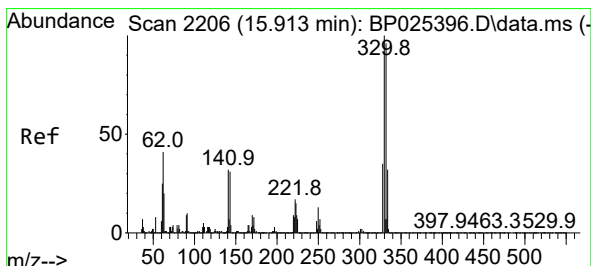
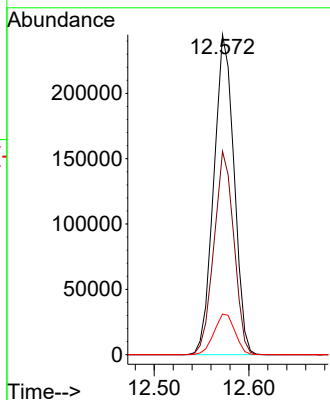
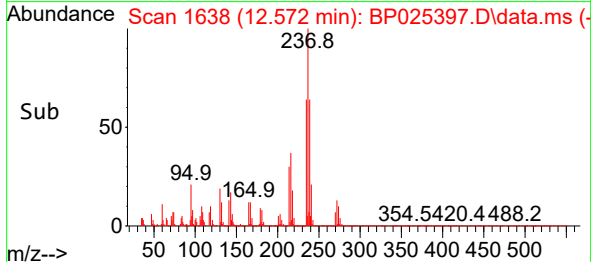
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion: 237 Resp: 36404
Ion Ratio Lower Upper
237 100
235 63.6 42.7 82.7
272 12.7 0.0 34.0

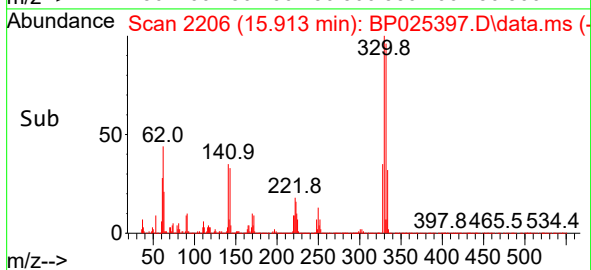
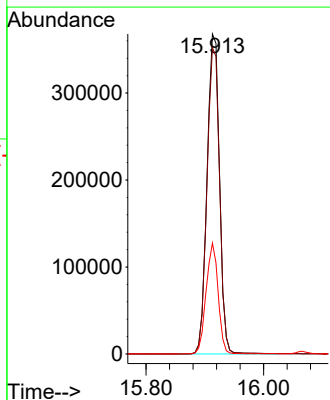
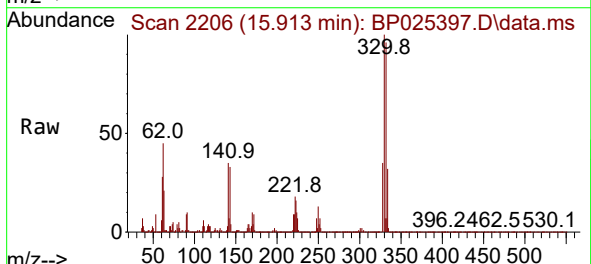
Manual Integrations
APPROVED

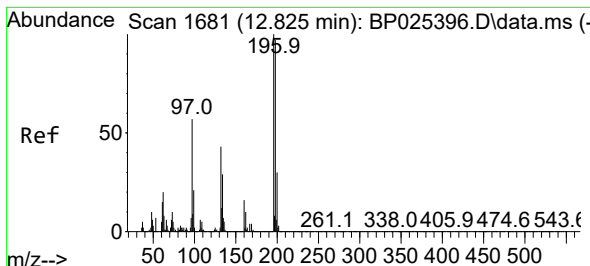
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#42
2,4,6-Tribromophenol
Concen: 106.352 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

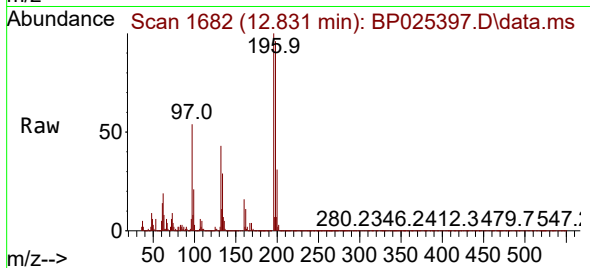
Tgt Ion: 330 Resp: 539295
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 33.5 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 53.971 ng
RT: 12.831 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

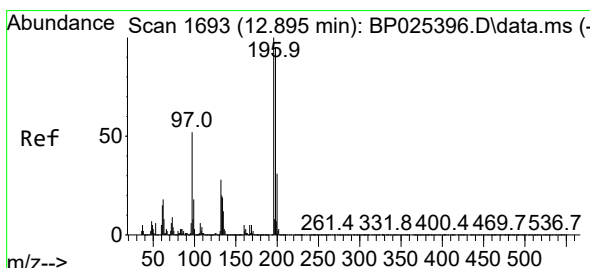
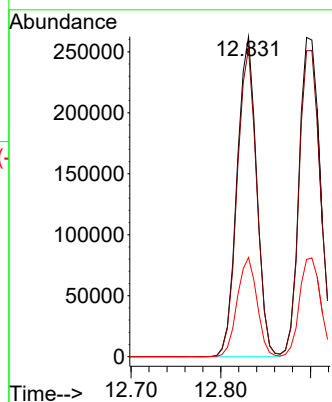
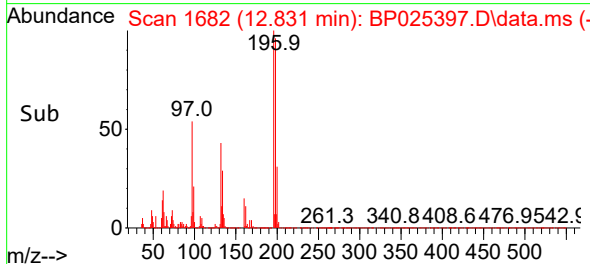
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



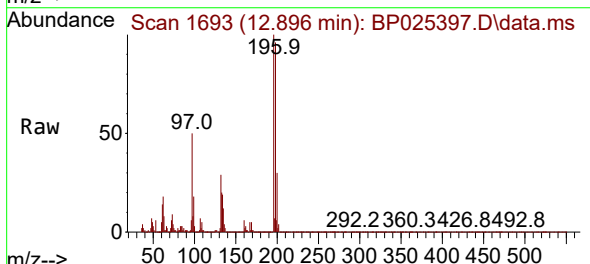
Tgt Ion:196 Resp: 396440
Ion Ratio Lower Upper
196 100
198 96.3 77.2 115.8
200 31.0 23.9 35.9

Manual Integrations
APPROVED

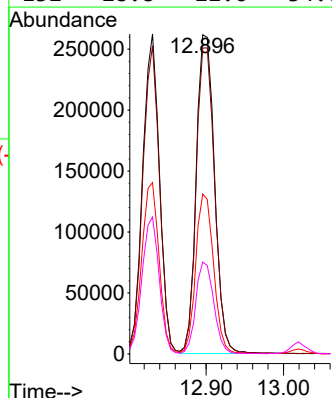
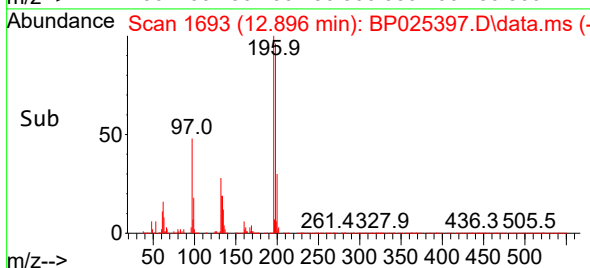
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

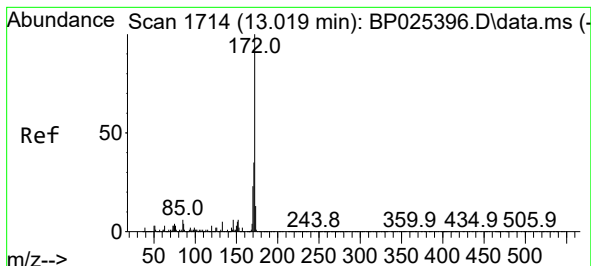


#44
2,4,5-Trichlorophenol
Concen: 53.421 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



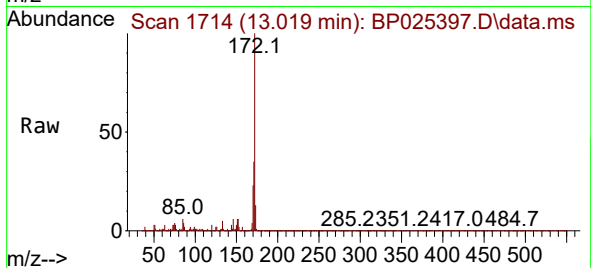
Tgt Ion:196 Resp: 430061
Ion Ratio Lower Upper
196 100
198 95.8 76.2 114.2
97 50.1 41.2 61.8
132 28.8 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 103.632 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

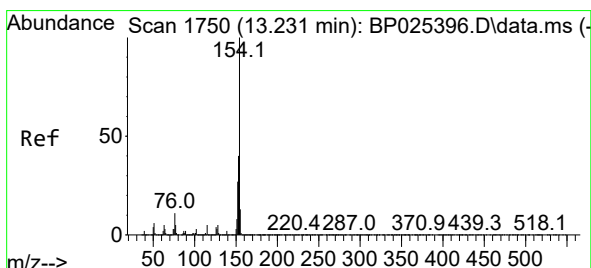
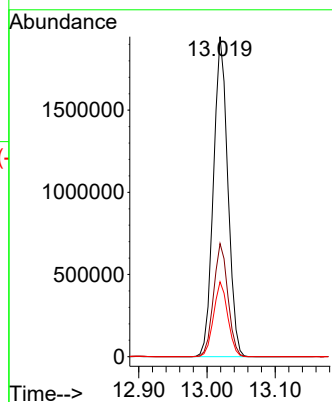
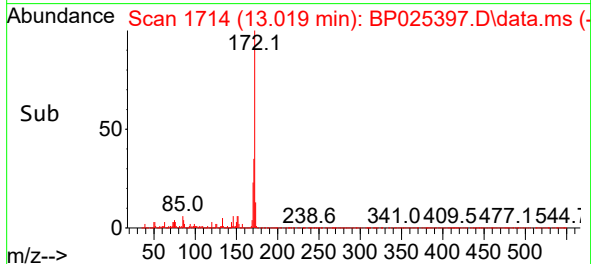
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



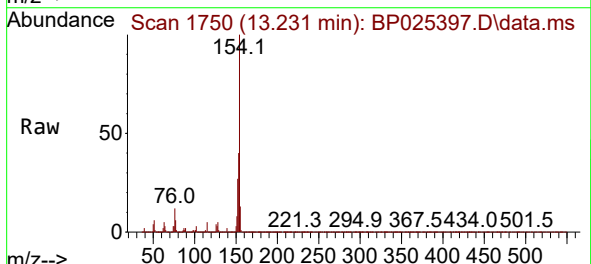
Tgt Ion:172 Resp: 2856639
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.4 18.6 28.0

Manual Integrations
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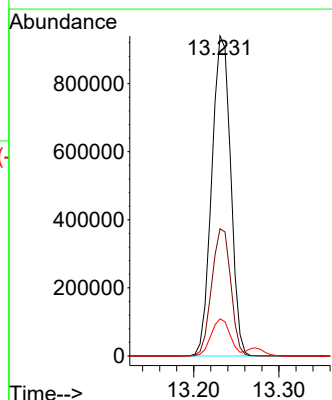
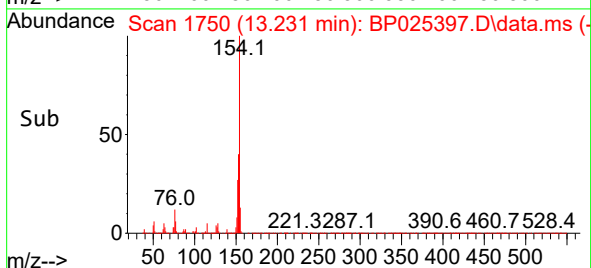
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

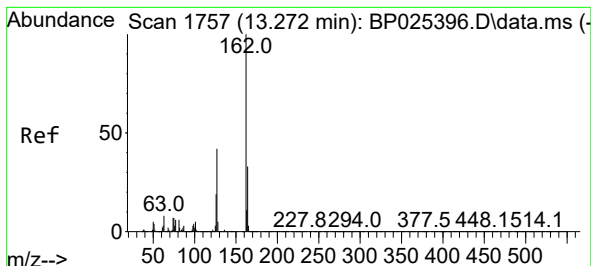


#46
1,1'-Biphenyl
Concen: 52.922 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



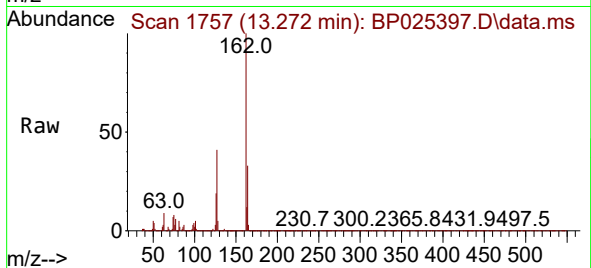
Tgt Ion:154 Resp: 1447968
Ion Ratio Lower Upper
154 100
153 39.8 19.5 59.5
76 11.6 0.0 31.1





#47
2-Chloronaphthalene
Concen: 52.344 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

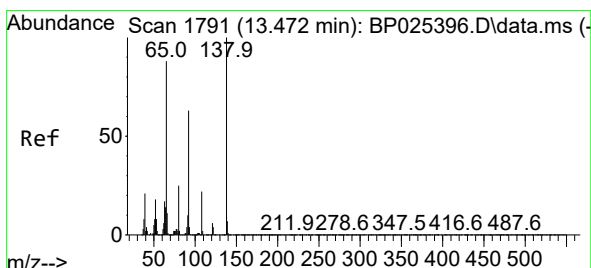
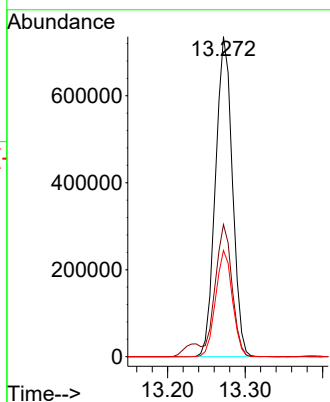
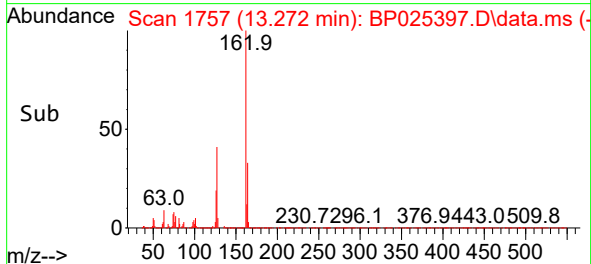
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



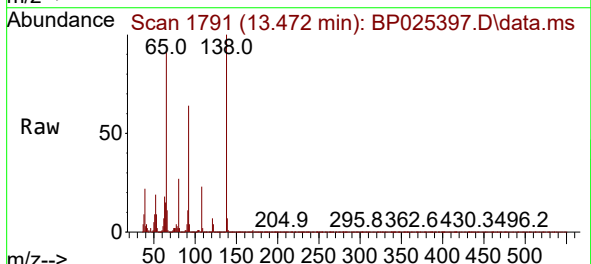
Tgt Ion:162 Resp: 111492
Ion Ratio Lower Upper
162 100
127 41.3 33.4 50.2
164 33.2 26.2 39.2

Manual Integrations
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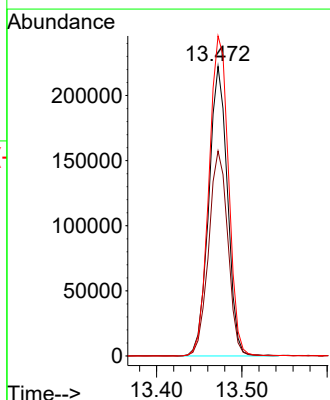
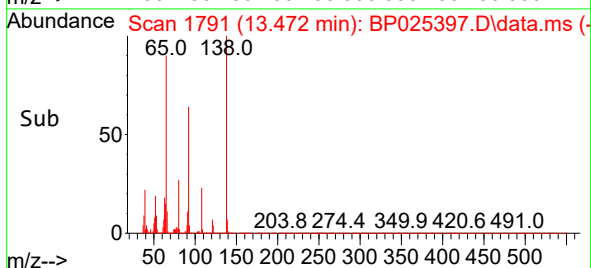
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

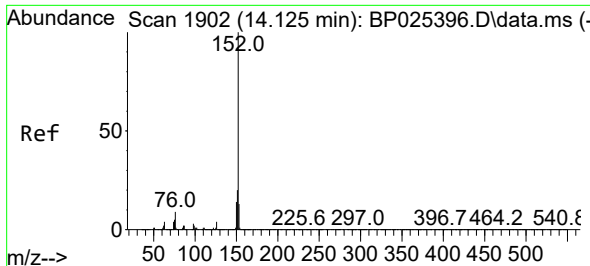


#48
2-Nitroaniline
Concen: 54.613 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



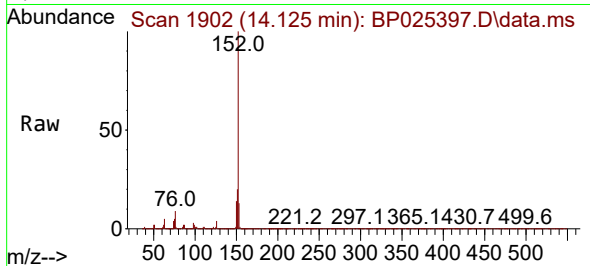
Tgt Ion: 65 Resp: 338939
Ion Ratio Lower Upper
65 100
92 70.7 57.6 86.4
138 110.5 91.0 136.6





#49
Acenaphthylene
Concen: 53.227 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

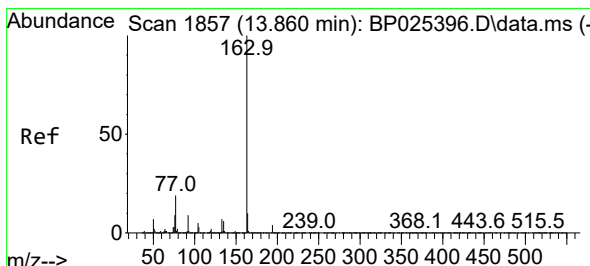
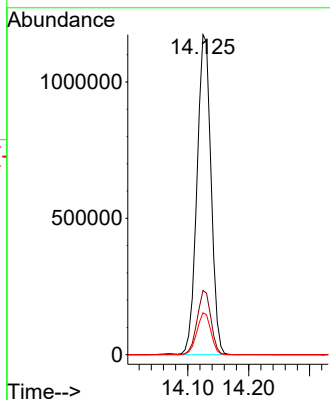
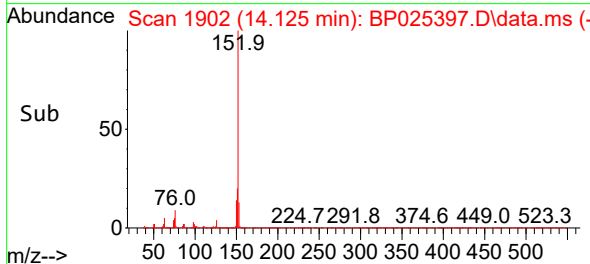
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



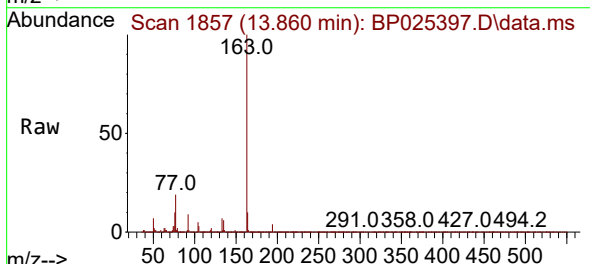
Tgt Ion:152 Resp: 1875998
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.1 10.6 15.8

Manual Integrations
APPROVED

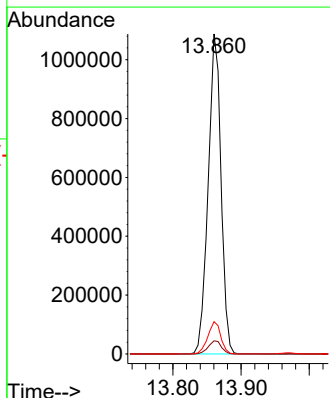
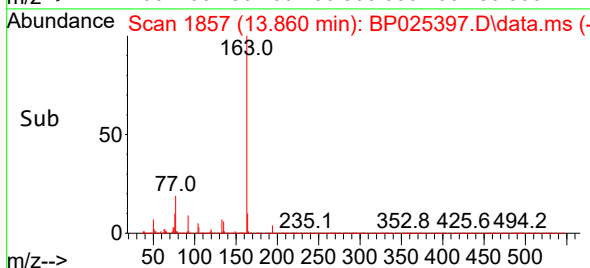
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

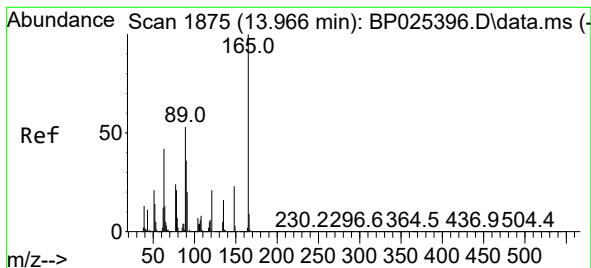


#50
Dimethylphthalate
Concen: 51.622 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



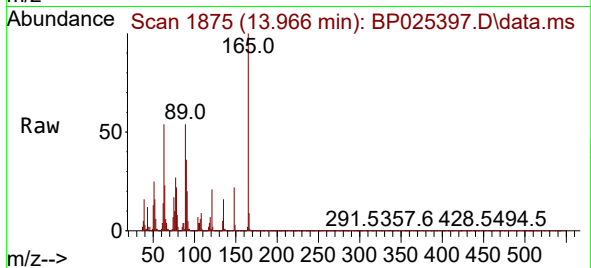
Tgt Ion:163 Resp: 1424127
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 53.683 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

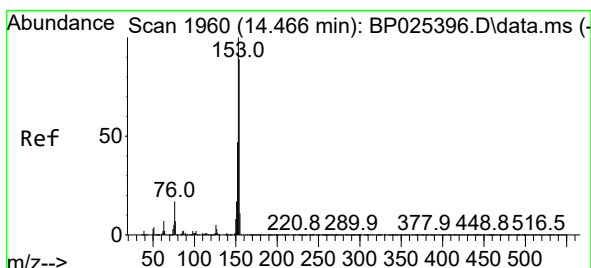
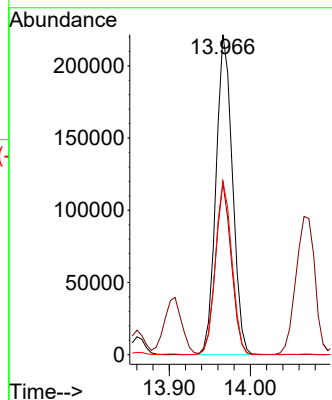
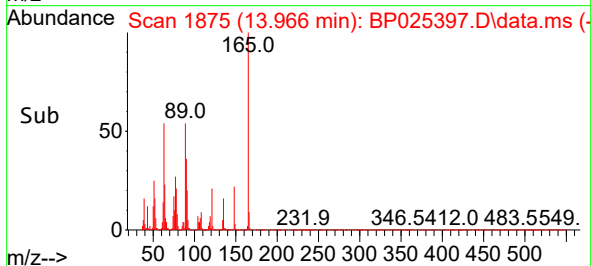
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



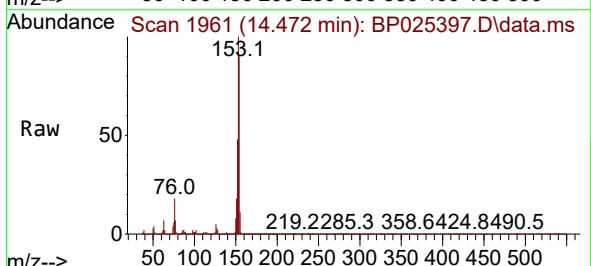
Tgt Ion:165 Resp: 312149
Ion Ratio Lower Upper
165 100
63 53.8 40.9 61.3
89 54.2 42.1 63.1

Manual Integrations
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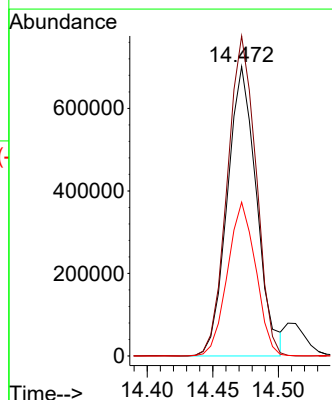
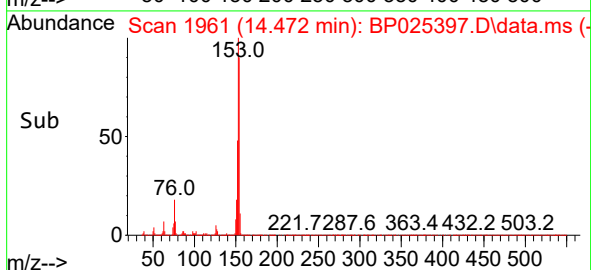
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

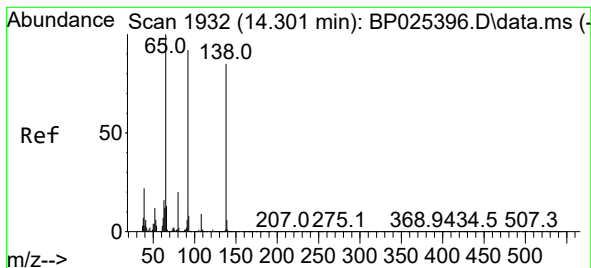


#52
Acenaphthene
Concen: 52.577 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



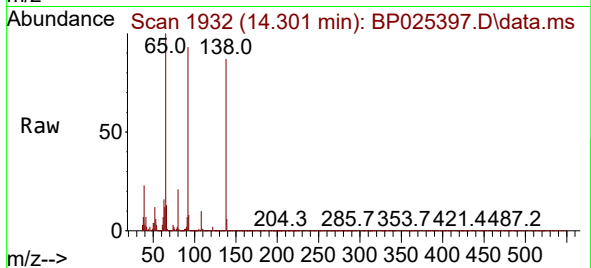
Tgt Ion:154 Resp: 1087721
Ion Ratio Lower Upper
154 100
153 110.6 90.2 135.2
152 53.1 42.1 63.1





#53
3-Nitroaniline
Concen: 55.339 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

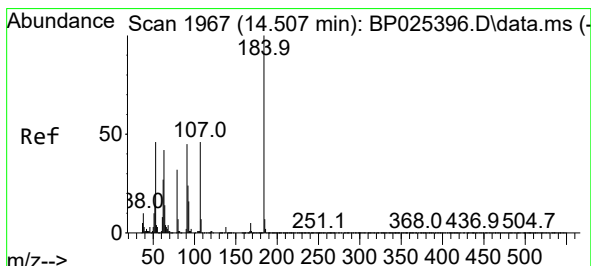
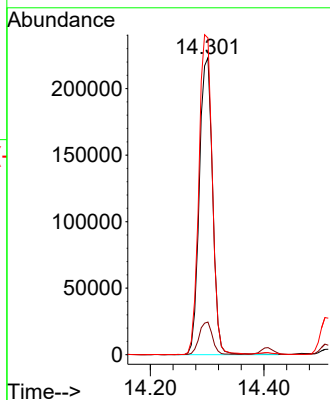
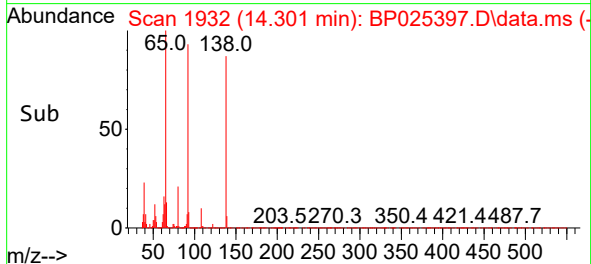
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



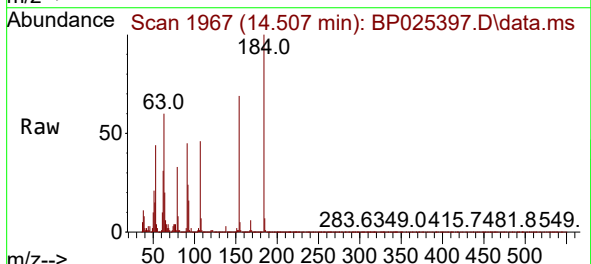
Tgt Ion:138 Resp: 362030
Ion Ratio Lower Upper
138 100
108 11.0 8.3 12.5
92 106.6 86.2 129.2

Manual Integrations
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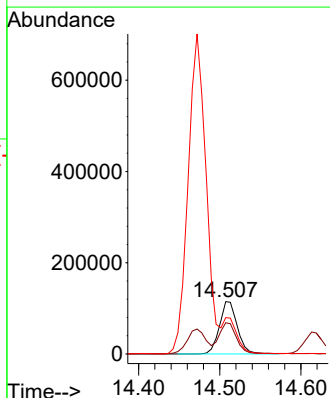
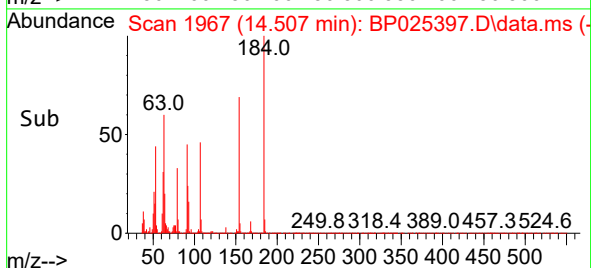
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

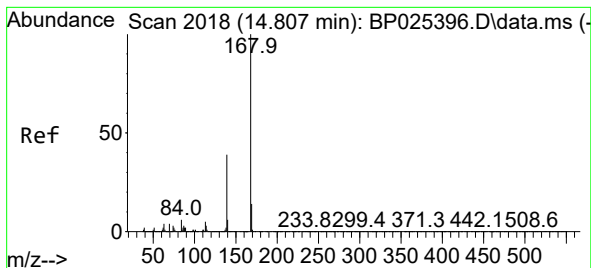


#54
2,4-Dinitrophenol
Concen: 56.503 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



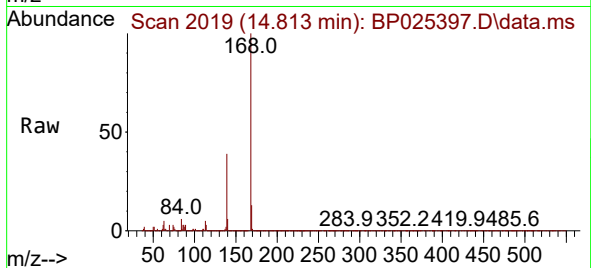
Tgt Ion:184 Resp: 175453
Ion Ratio Lower Upper
184 100
63 59.7 49.4 74.2
154 69.4 54.6 82.0





#55
Dibenzenofuran
Concen: 52.147 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

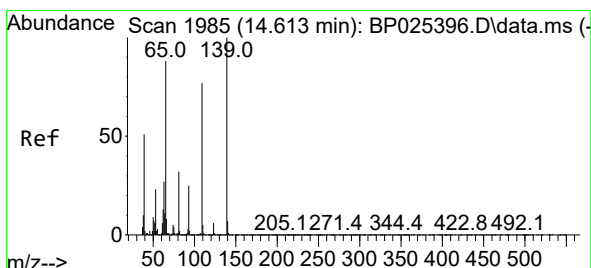
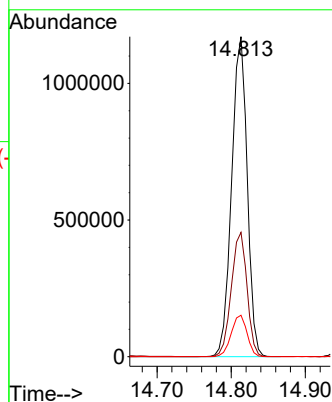
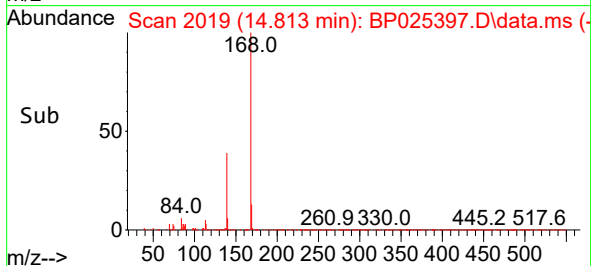
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



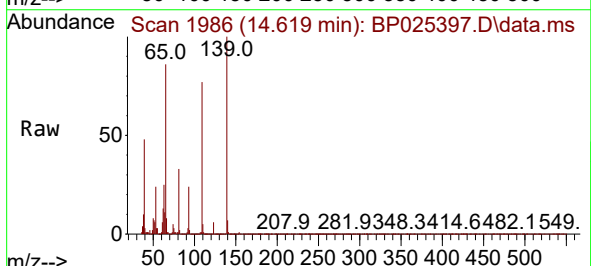
Tgt Ion:168 Resp: 1705630
Ion Ratio Lower Upper
168 100
139 38.9 31.5 47.3
169 13.0 10.9 16.3

Manual Integrations
APPROVED

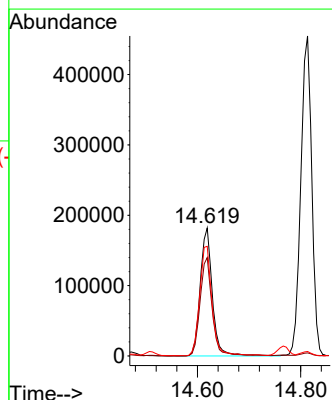
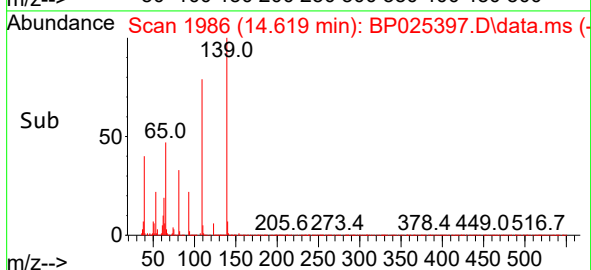
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

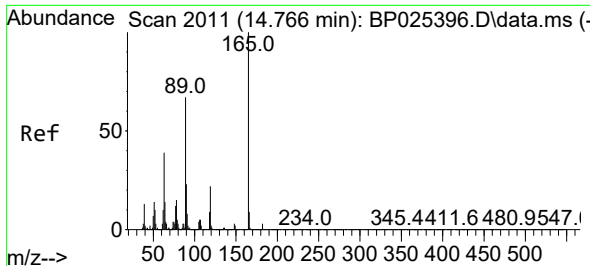


#56
4-Nitrophenol
Concen: 55.103 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



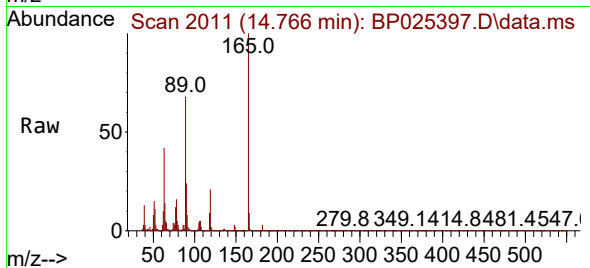
Tgt Ion:139 Resp: 296227
Ion Ratio Lower Upper
139 100
109 76.8 56.6 96.6
65 85.5 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 54.354 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

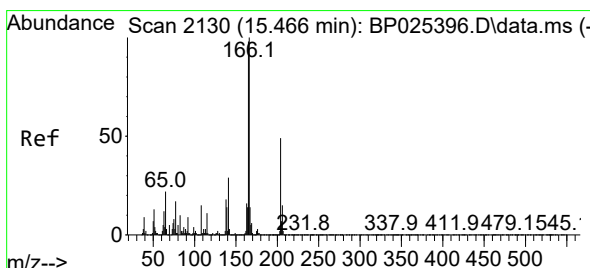
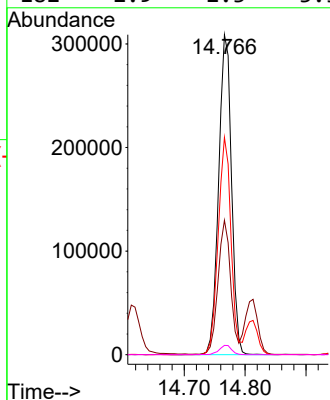
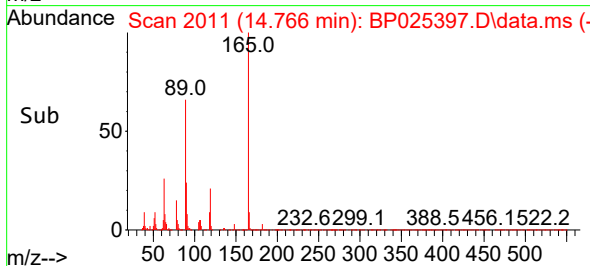
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



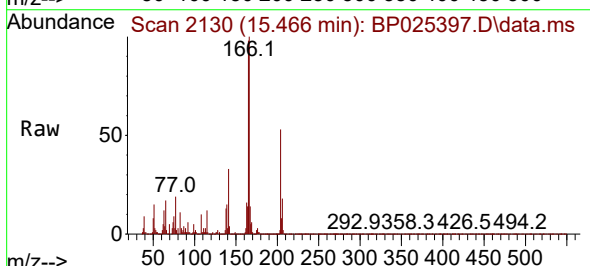
Tgt Ion:165 Resp: 45092.0
Ion Ratio Lower Upper
165 100
63 42.0 31.4 47.2
89 67.9 53.3 79.9
182 2.9 2.3 3.5

Manual Integrations
APPROVED

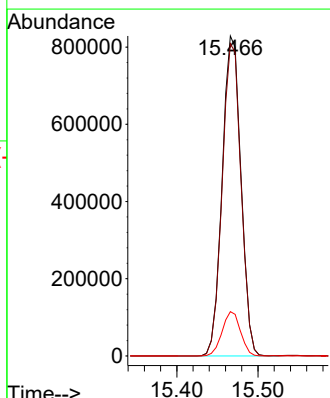
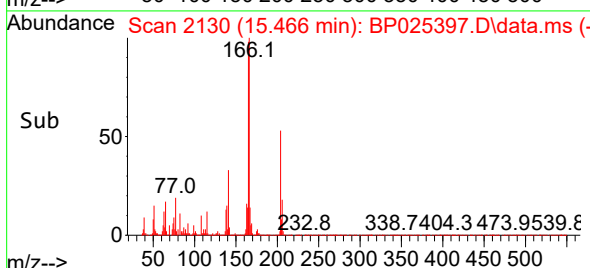
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

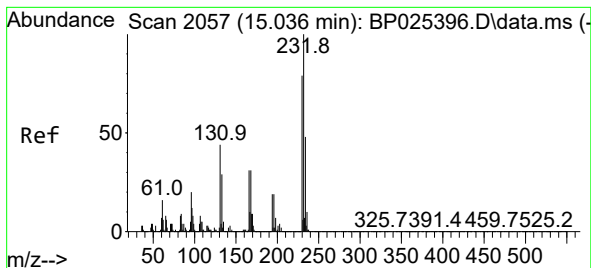


#58
Fluorene
Concen: 51.627 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



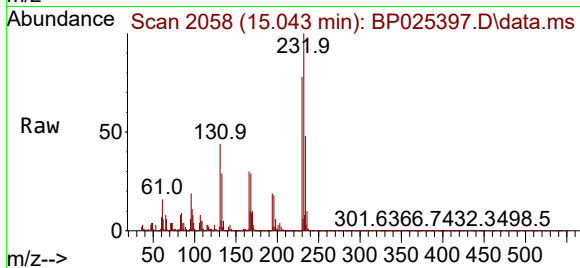
Tgt Ion:166 Resp: 1332448
Ion Ratio Lower Upper
166 100
165 97.6 78.8 118.2
167 13.9 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.281 ng
RT: 15.043 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

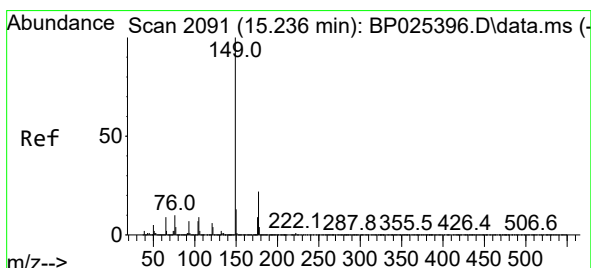
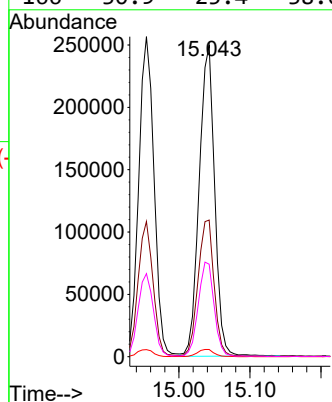
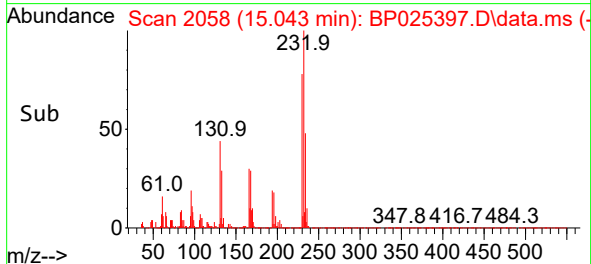
Instrument :
BNA_P
Client Sample Id :
SSTDICC050



Tgt Ion: 232 Resp: 37874
Ion Ratio Lower Upper
232 100
131 46.0 37.0 55.6
130 2.5 1.9 2.9
166 30.9 25.4 38.0

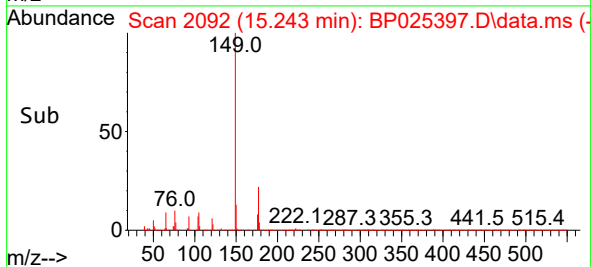
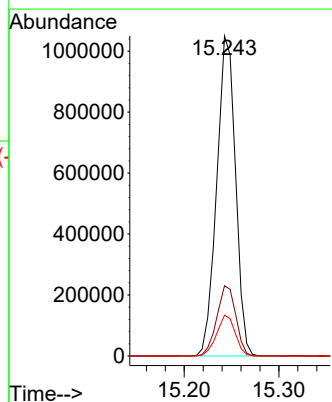
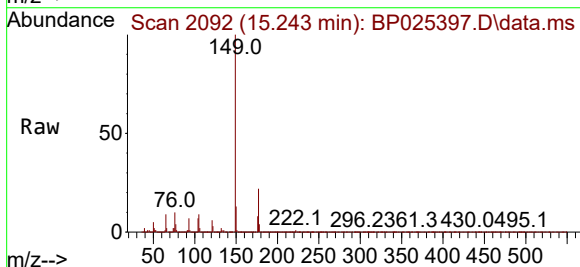
Manual Integrations
APPROVED

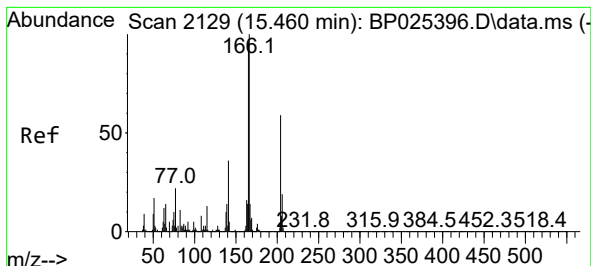
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#60
Diethylphthalate
Concen: 51.728 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

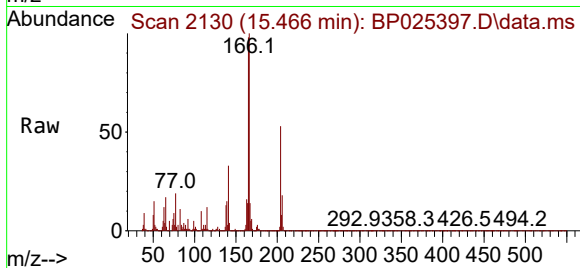
Tgt Ion: 149 Resp: 1450033
Ion Ratio Lower Upper
149 100
177 21.9 17.3 25.9
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 50.647 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

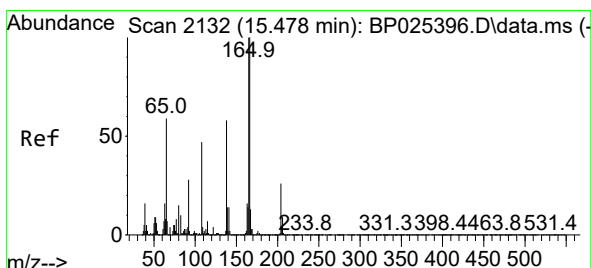
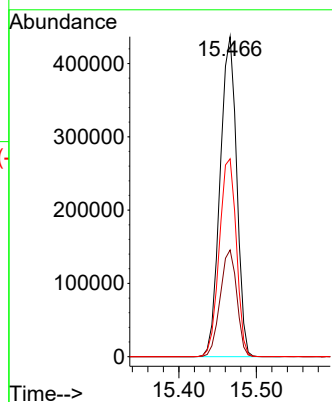
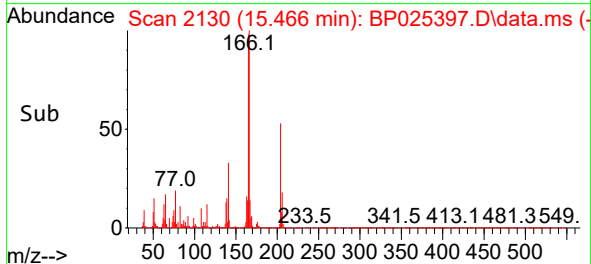
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



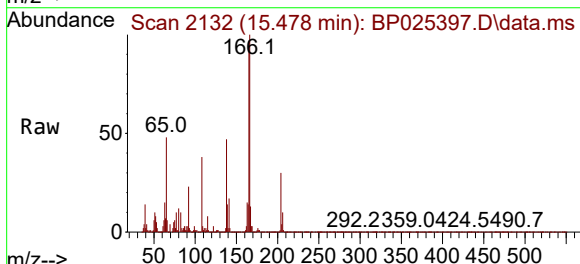
Tgt Ion:204 Resp: 65010
Ion Ratio Lower Upper
204 100
206 33.4 25.8 38.8
141 61.8 49.4 74.2

Manual Integrations
APPROVED

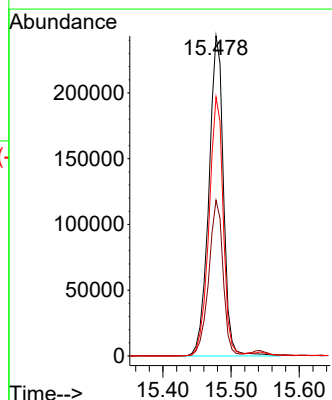
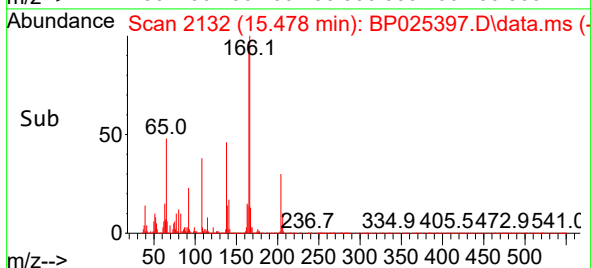
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

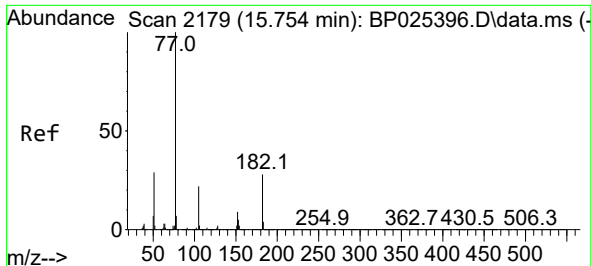


#62
4-Nitroaniline
Concen: 54.278 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



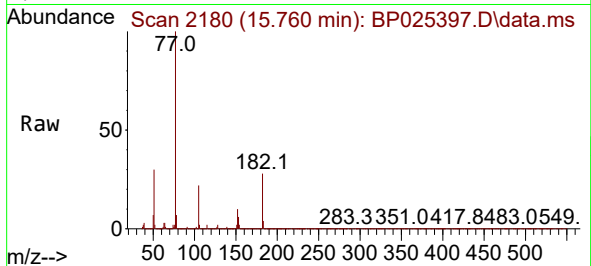
Tgt Ion:138 Resp: 364030
Ion Ratio Lower Upper
138 100
92 48.6 29.1 69.1
108 80.9 61.5 101.5





#63
Azobenzene
Concen: 52.602 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

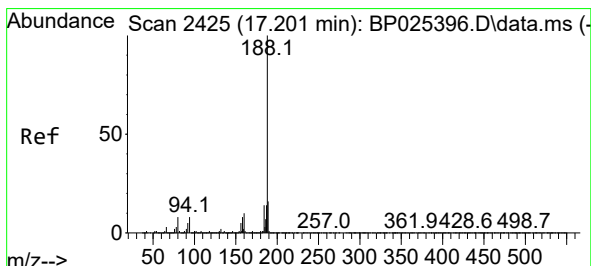
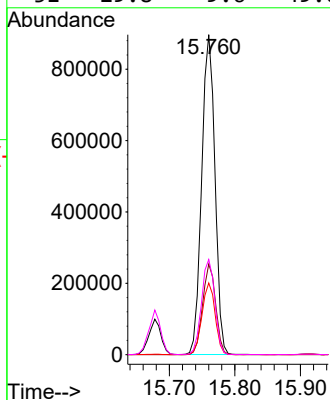
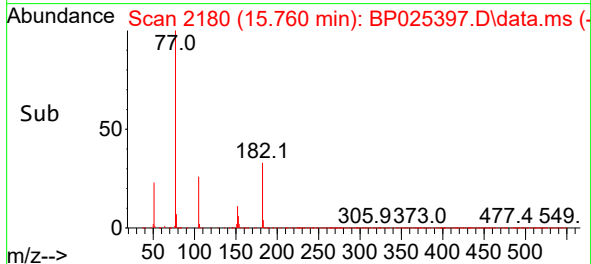
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



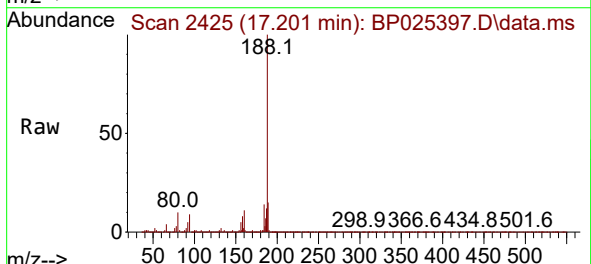
Tgt Ion: 77 Resp: 1262570
Ion Ratio Lower Upper
77 100
182 28.3 7.5 47.5
105 22.4 2.1 42.1
51 29.8 9.6 49.6

Manual Integrations
APPROVED

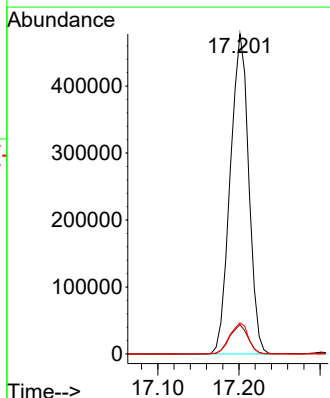
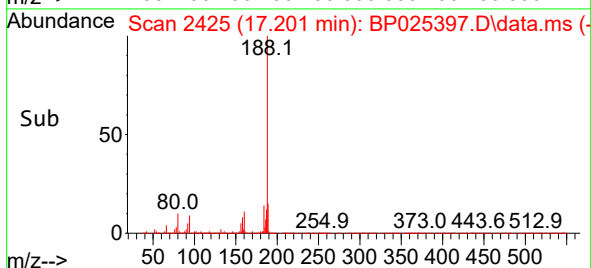
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

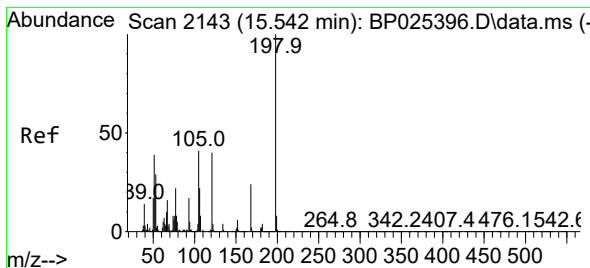


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



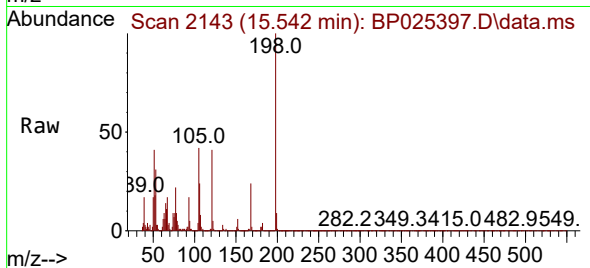
Tgt Ion:188 Resp: 753705
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.8 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 55.792 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

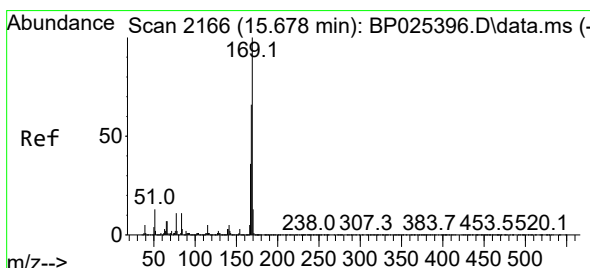
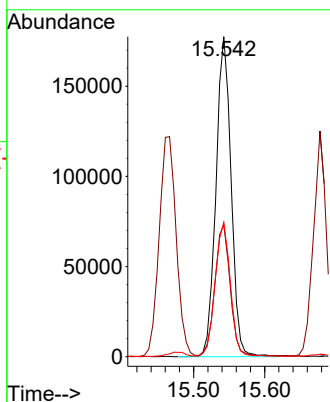
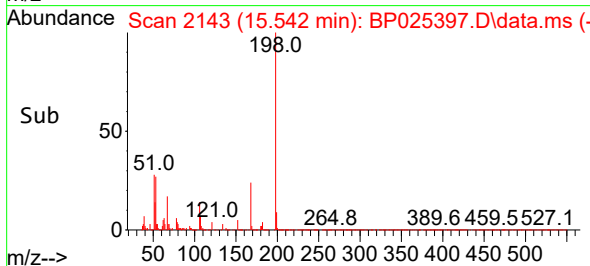
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 262120
Ion Ratio Lower Upper
198 100
51 41.2 19.6 59.6
105 42.0 20.9 60.9

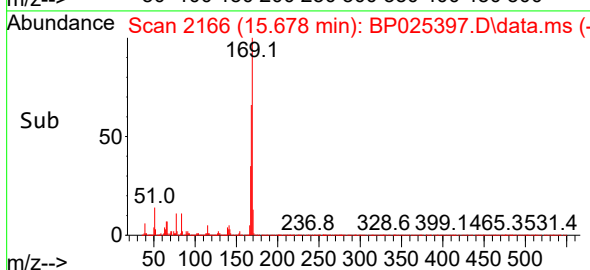
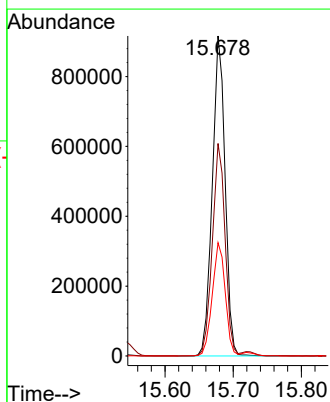
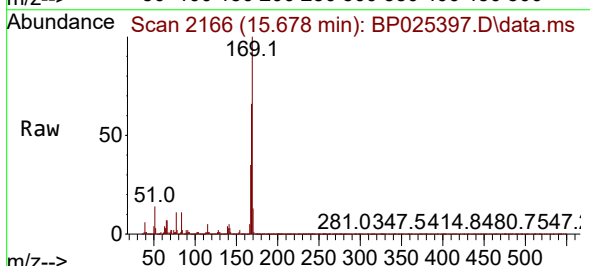
Manual Integrations
APPROVED

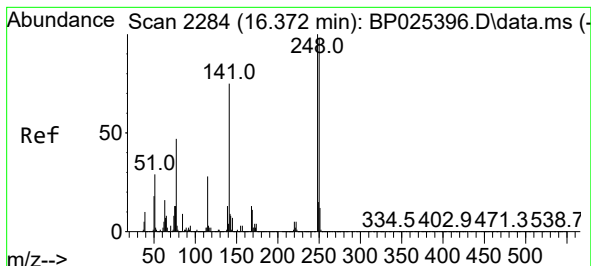
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 51.997 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

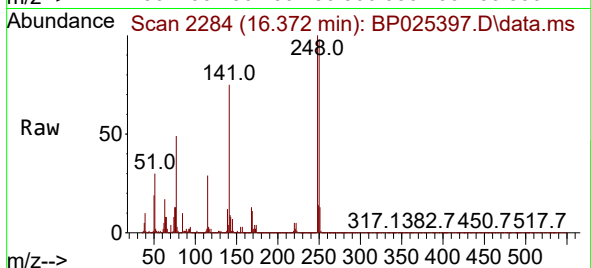
Tgt Ion:169 Resp: 1195077
Ion Ratio Lower Upper
169 100
168 66.4 53.2 79.8
167 35.4 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 52.325 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

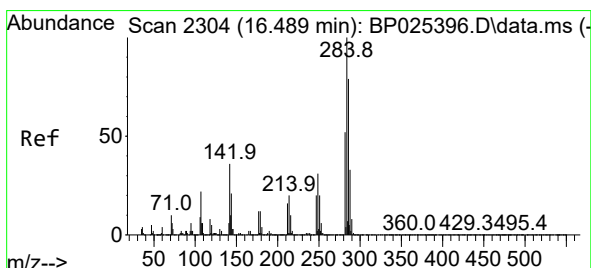
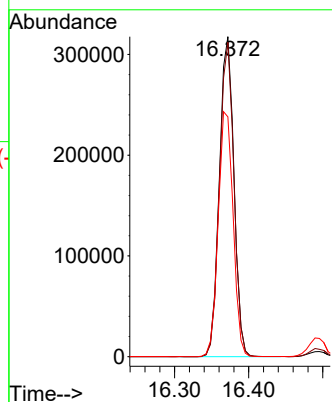
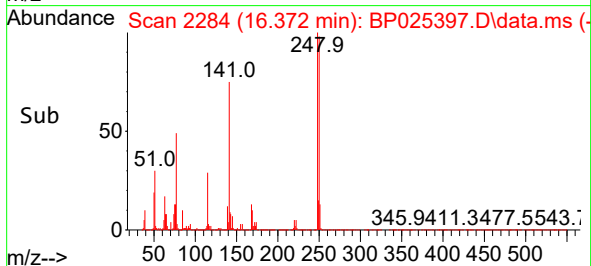
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



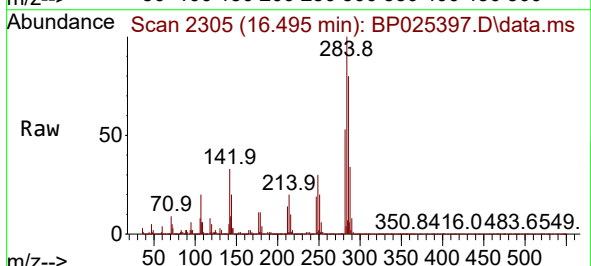
Tgt Ion:248 Resp: 433740
Ion Ratio Lower Upper
248 100
250 98.3 78.2 117.2
141 75.0 59.6 89.4

Manual Integrations
APPROVED

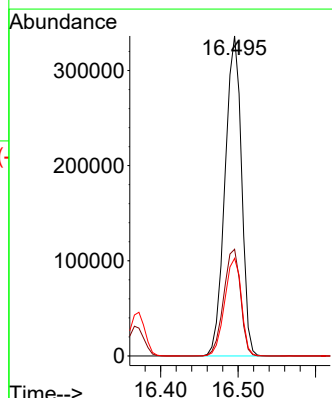
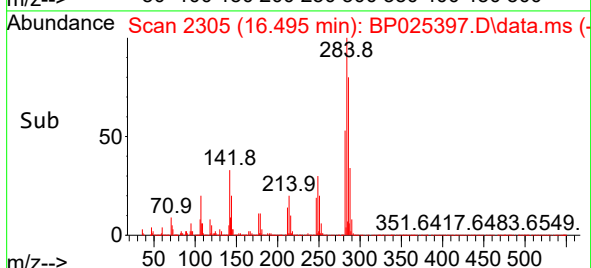
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

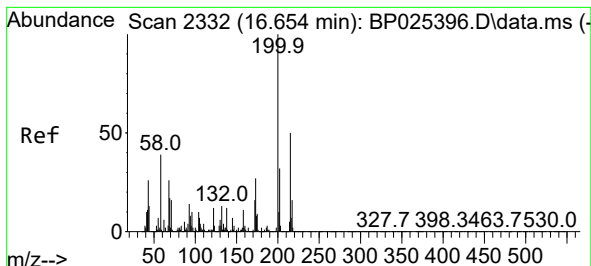


#68
Hexachlorobenzene
Concen: 51.816 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion:284 Resp: 497906
Ion Ratio Lower Upper
284 100
142 33.3 29.1 43.7
249 30.5 25.0 37.4





#69

Atrazine

Concen: 52.479 ng

RT: 16.654 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

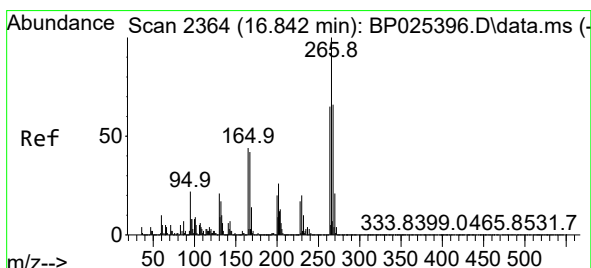
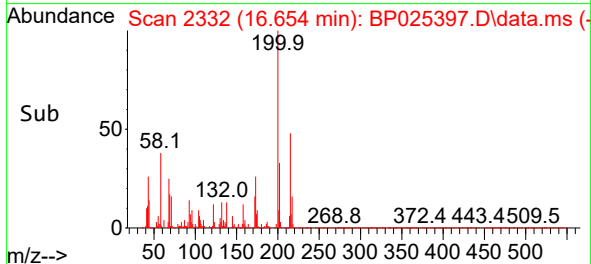
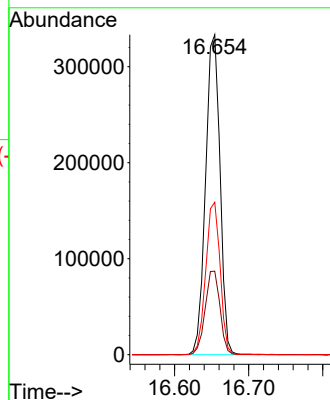
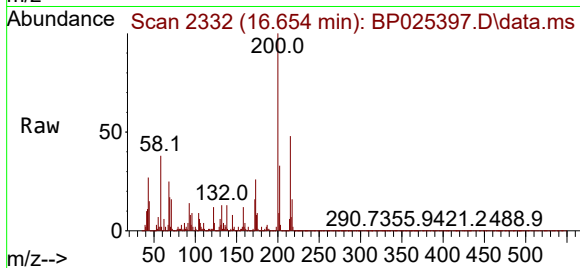
Tgt Ion:	200	Resp:	451704
Ion Ratio	Lower	Upper	
200	100		
173	26.1	6.7	46.7
215	47.7	29.7	69.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 54.872 ng

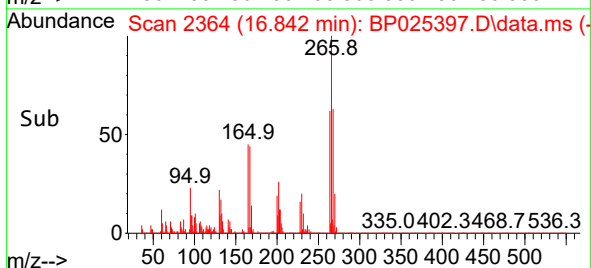
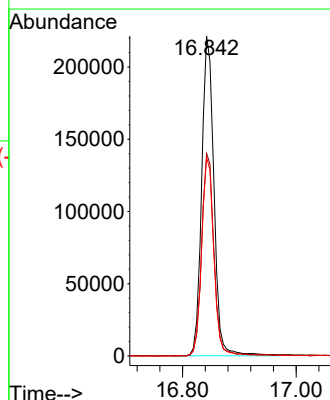
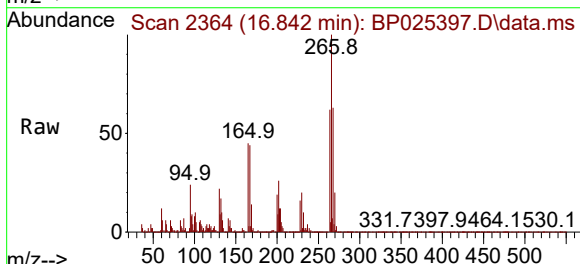
RT: 16.842 min Scan# 2364

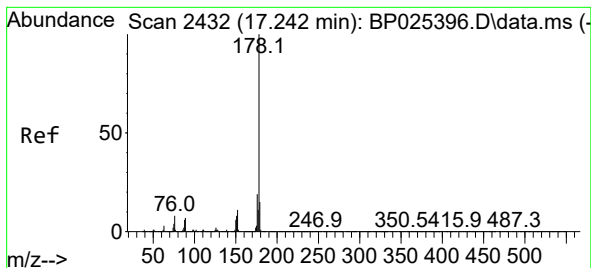
Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Tgt Ion:	266	Resp:	332839
Ion Ratio	Lower	Upper	
266	100		
268	63.2	52.6	79.0
264	62.1	52.0	78.0





#71

Phenanthrene

Concen: 51.673 ng

RT: 17.248 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:178 Resp: 213943

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

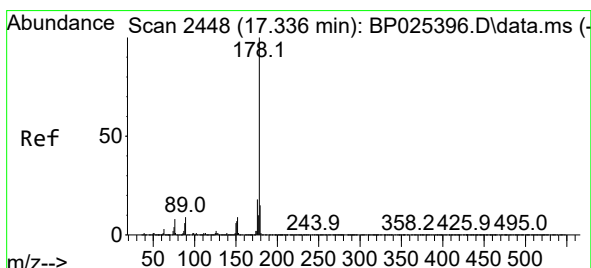
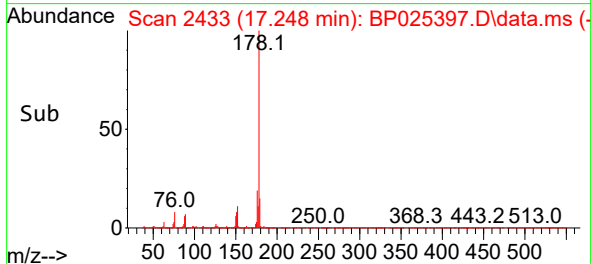
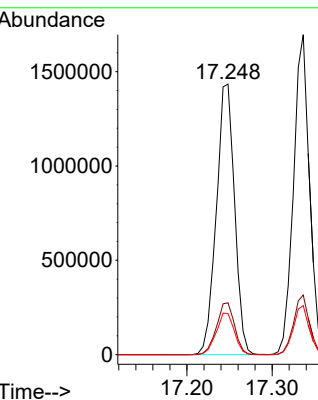
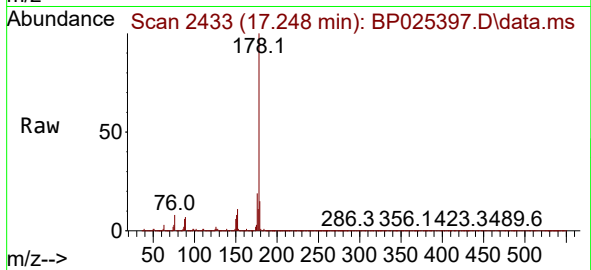
179 15.2 12.2 18.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#72

Anthracene

Concen: 52.385 ng

RT: 17.337 min Scan# 2448

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

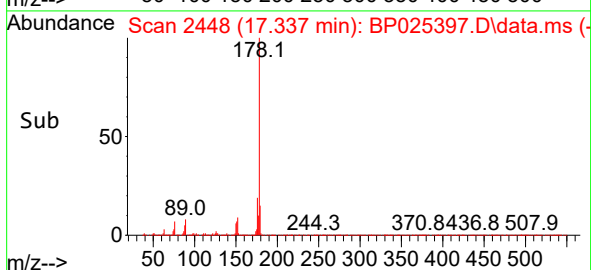
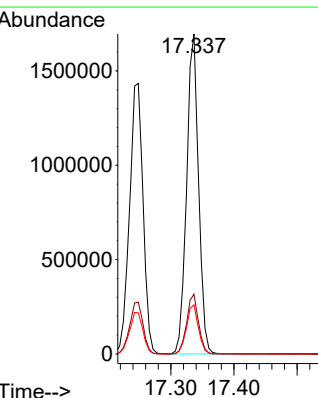
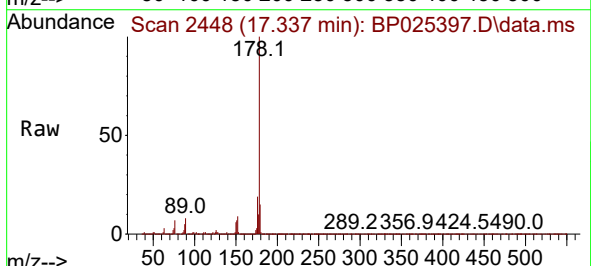
Tgt Ion:178 Resp: 2214911

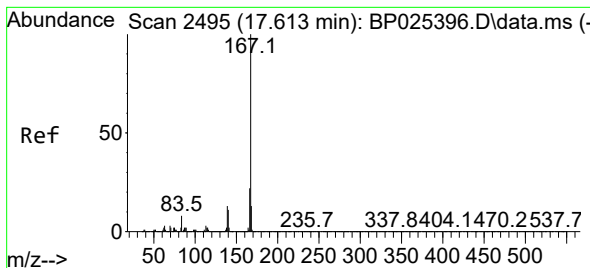
Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

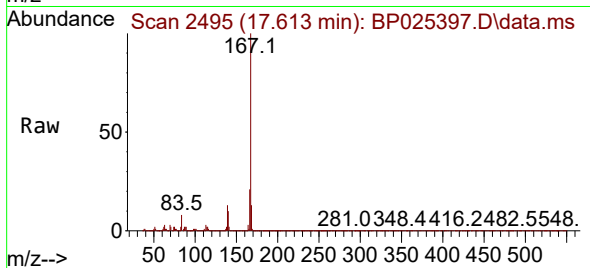
179 15.4 12.2 18.2





#73
 Carbazole
 Concen: 52.559 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

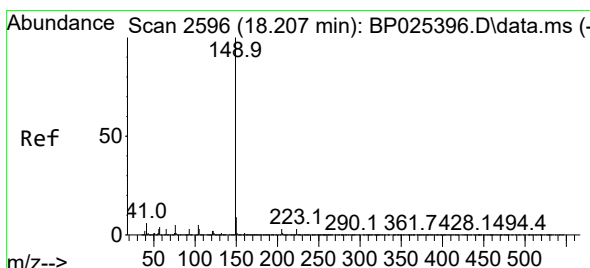
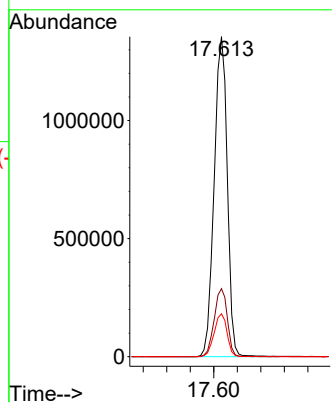
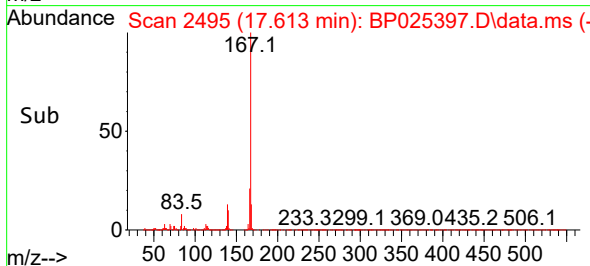
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050



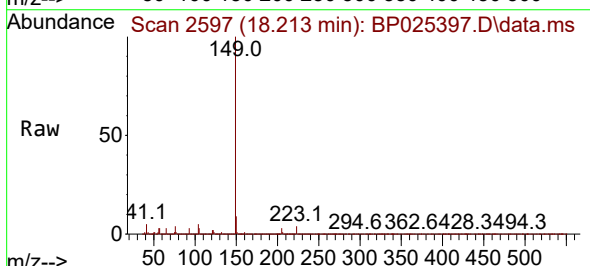
Tgt Ion:167 Resp: 209317
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.5 26.3
 139 13.4 10.6 16.0

Manual Integrations
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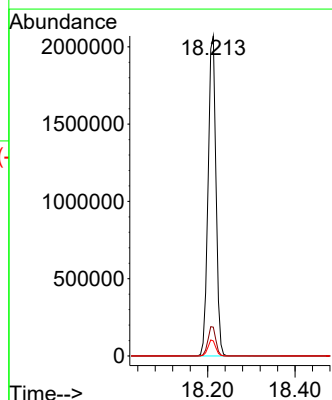
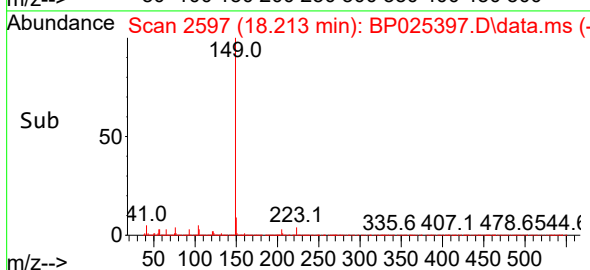
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

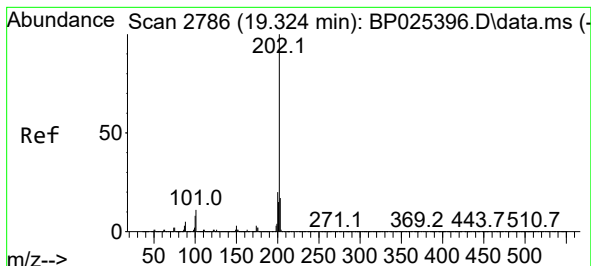


#74
 Di-n-butylphthalate
 Concen: 52.849 ng
 RT: 18.213 min Scan# 2597
 Delta R.T. 0.006 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01



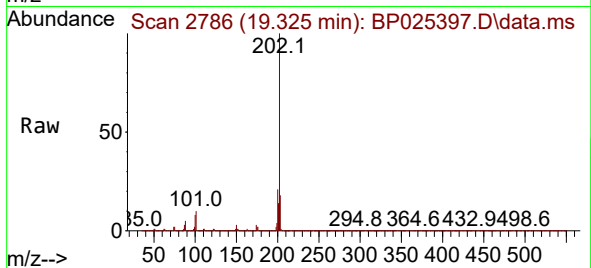
Tgt Ion:149 Resp: 2589522
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 4.7 4.2 6.2





#75
Fluoranthene
Concen: 51.910 ng
RT: 19.325 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

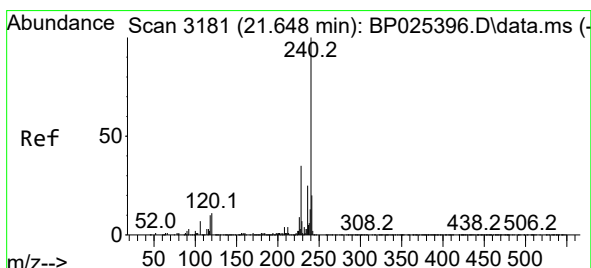
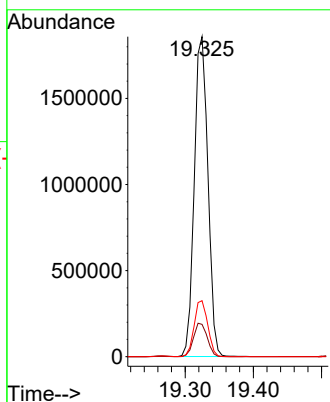
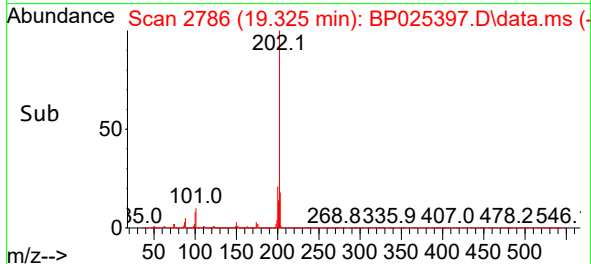
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 256370
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.1
203 17.5 0.0 37.3

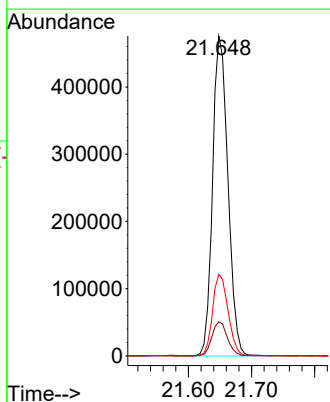
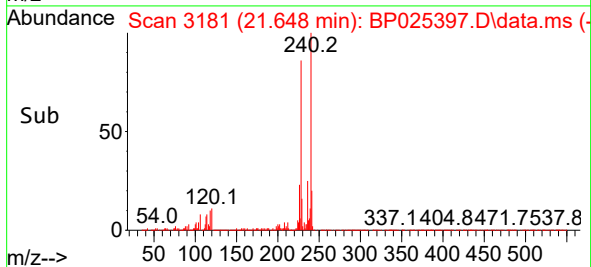
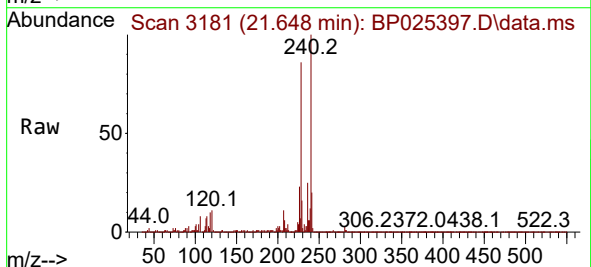
Manual Integrations
APPROVED

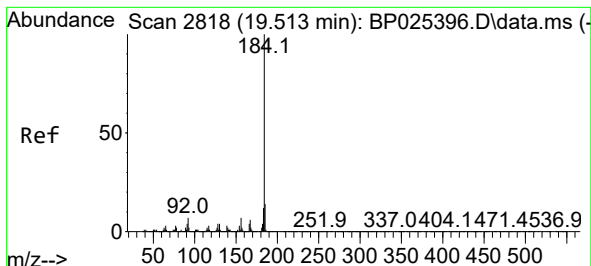
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

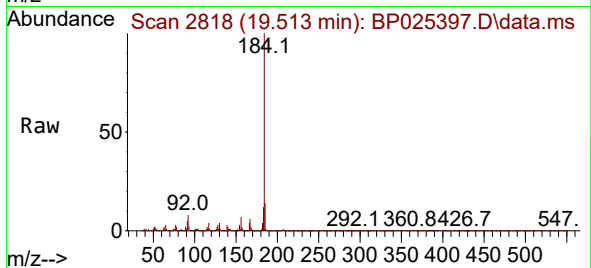
Tgt Ion:240 Resp: 801742
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.5 19.8 29.8





#77
Benzidine
Concen: 48.615 ng
RT: 19.513 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

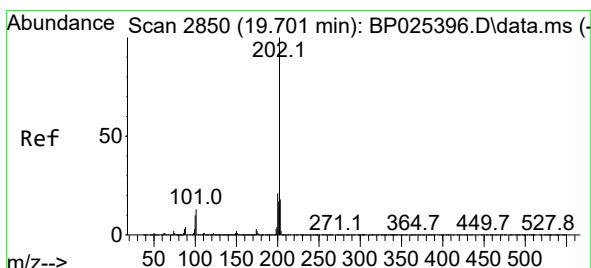
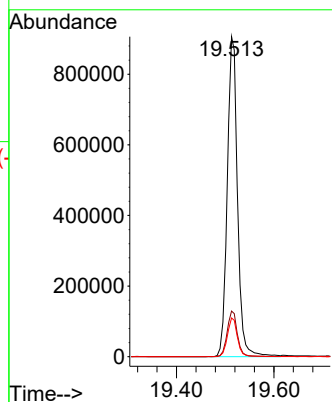
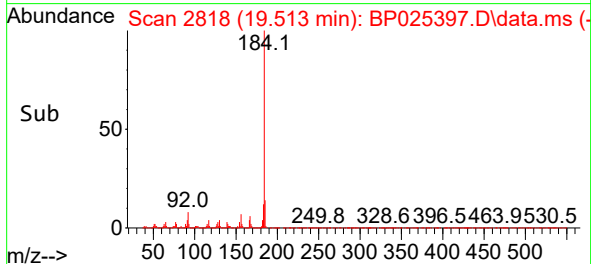
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 1330198
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 12.1 9.4 14.2

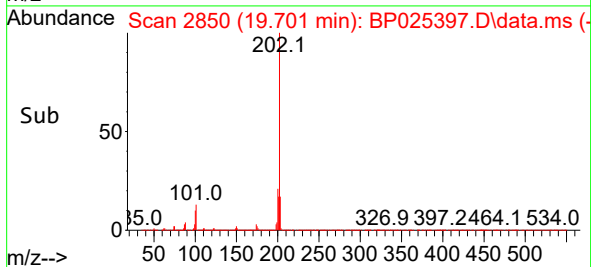
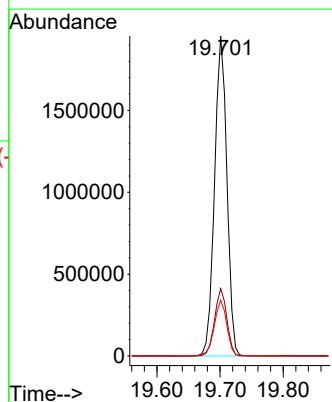
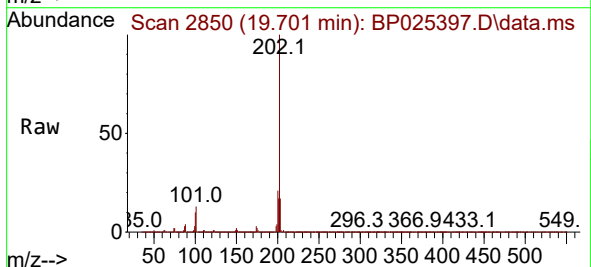
Manual Integrations
APPROVED

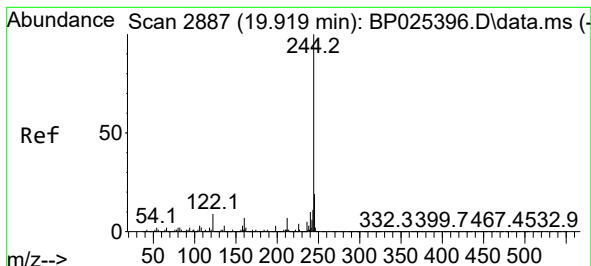
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#78
Pyrene
Concen: 50.754 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:202 Resp: 2644850
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 100.615 ng

RT: 19.925 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:244 Resp: 4409094

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

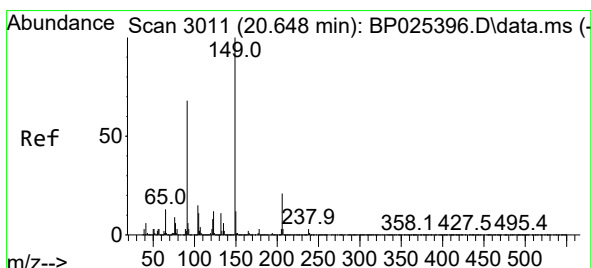
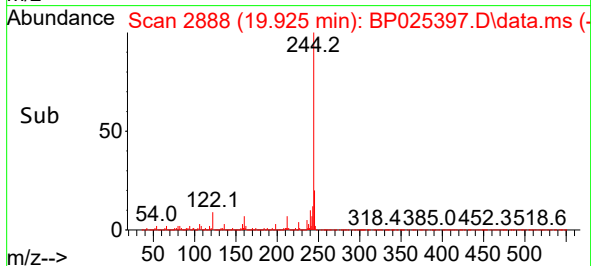
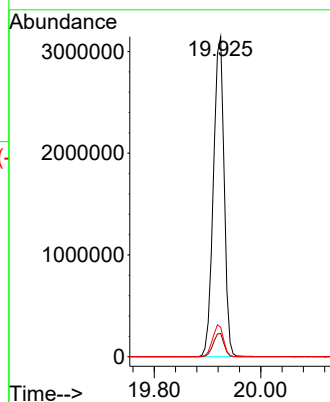
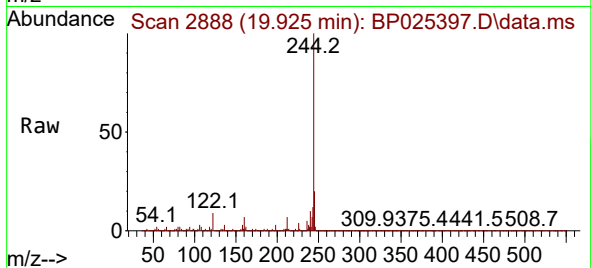
122 9.2 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 52.139 ng

RT: 20.660 min Scan# 3013

Delta R.T. 0.012 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

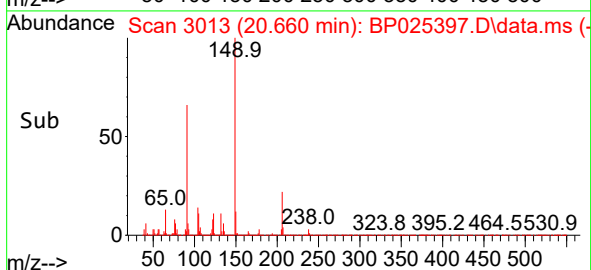
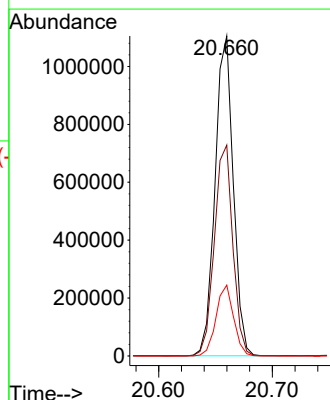
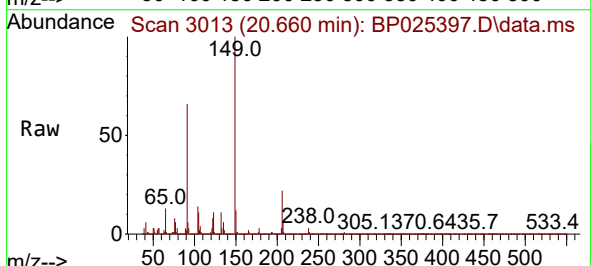
Tgt Ion:149 Resp: 1231376

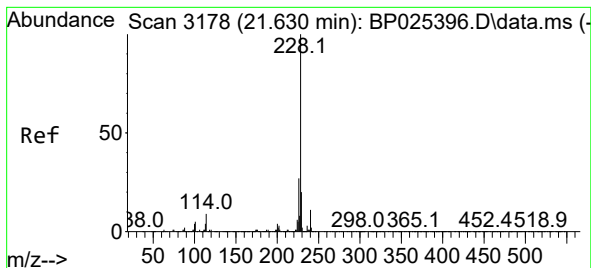
Ion Ratio Lower Upper

149 100

91 65.9 54.2 81.2

206 22.2 16.6 24.8





#81

Benzo(a)anthracene

Concen: 51.499 ng

RT: 21.630 min Scan# 3178

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:228 Resp: 2723000

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

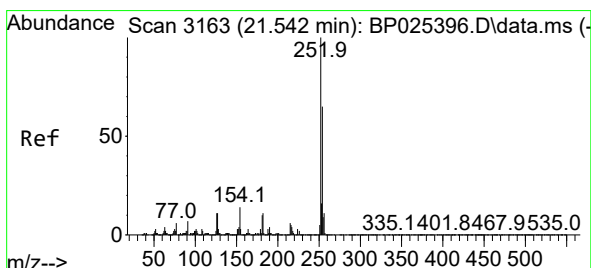
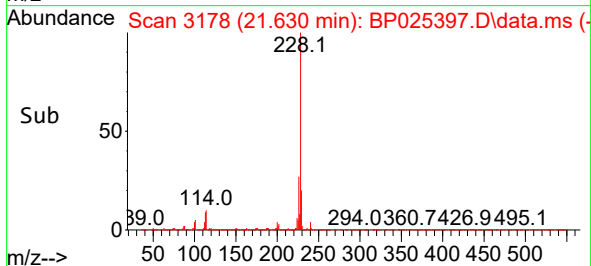
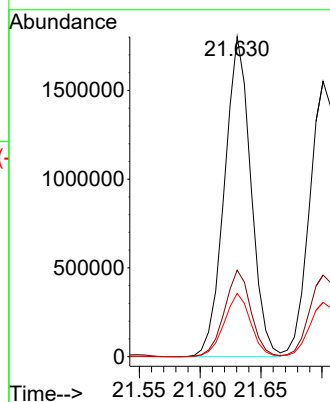
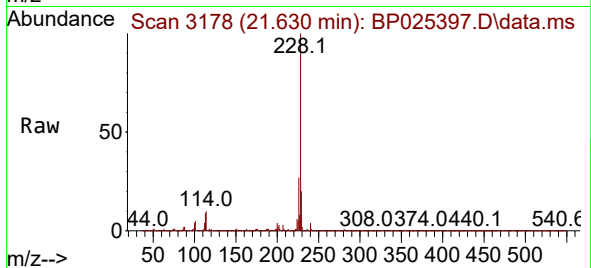
229 19.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 52.357 ng

RT: 21.548 min Scan# 3164

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

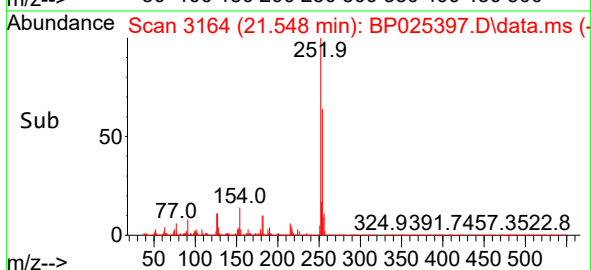
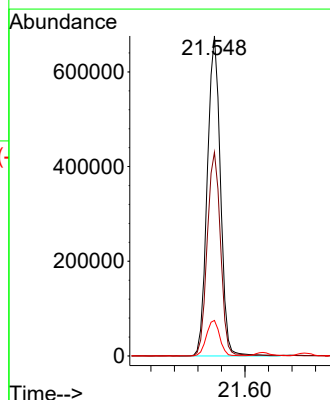
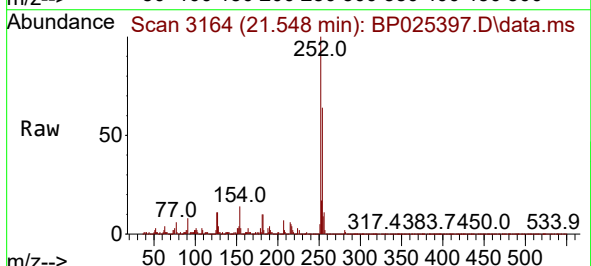
Tgt Ion:252 Resp: 1043476

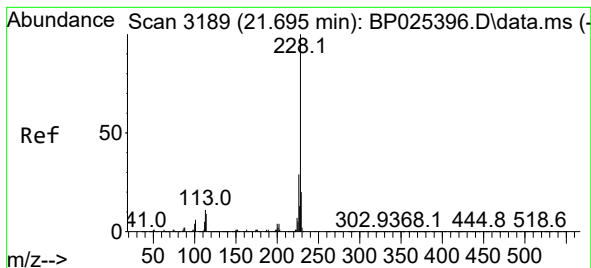
Ion Ratio Lower Upper

252 100

254 63.7 51.8 77.6

126 11.1 9.1 13.7





#83

Chrysene

Concen: 51.817 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

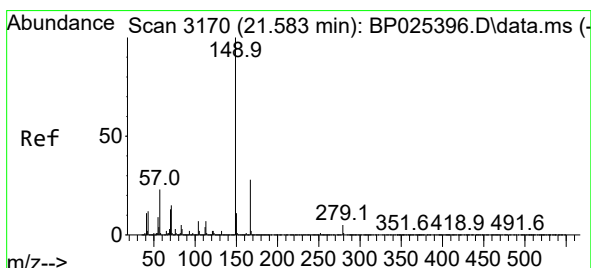
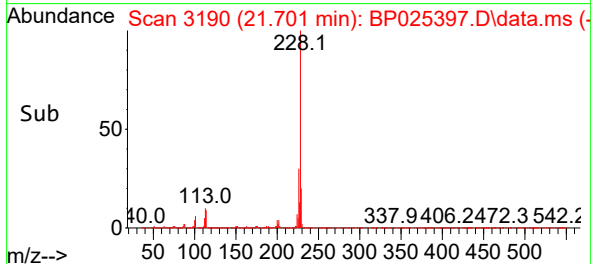
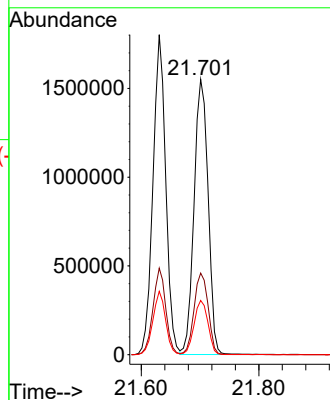
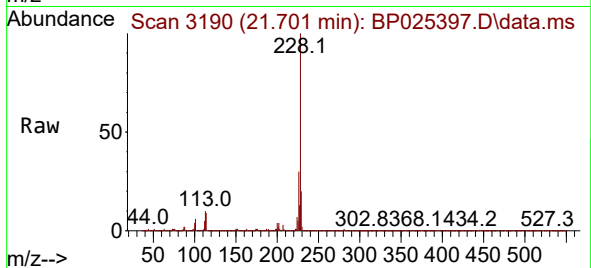
Tgt Ion:228 Resp: 2565850
Ion Ratio Lower Upper
228 100
226 29.6 23.2 34.8
229 19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.933 ng

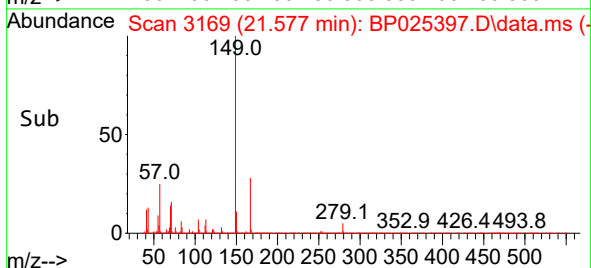
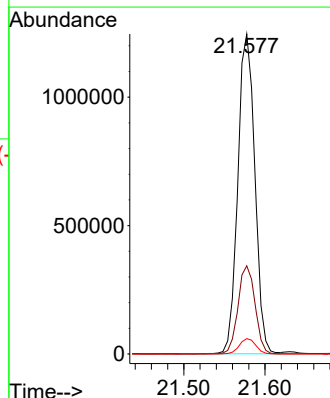
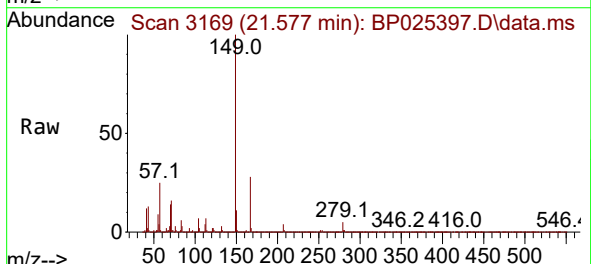
RT: 21.577 min Scan# 3169

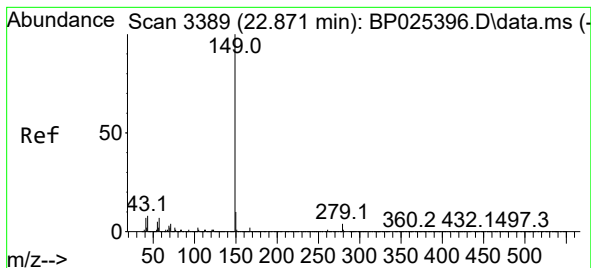
Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

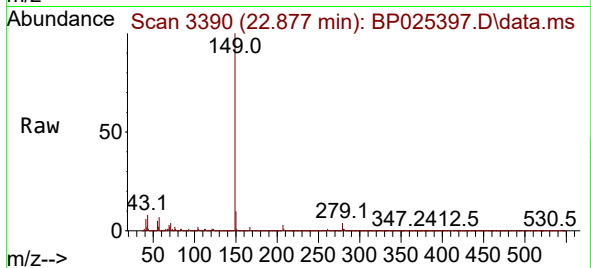
Tgt Ion:149 Resp: 1805478
Ion Ratio Lower Upper
149 100
167 27.6 22.1 33.1
279 4.8 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 52.690 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

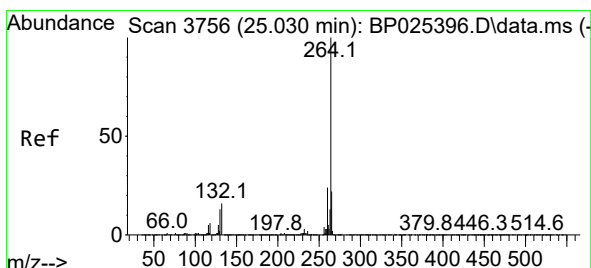
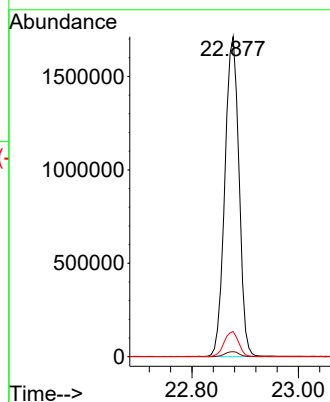
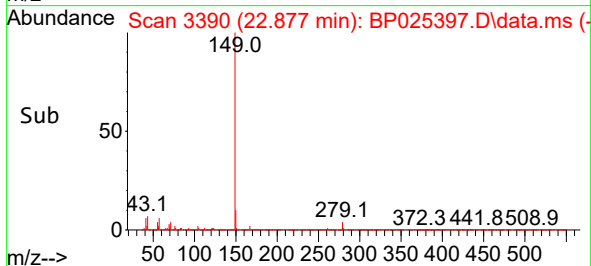
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



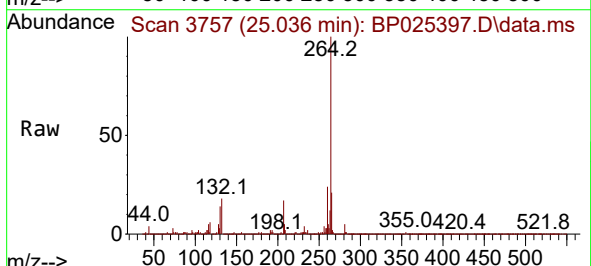
Tgt Ion:149 Resp: 3150824
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5

Manual Integrations
APPROVED

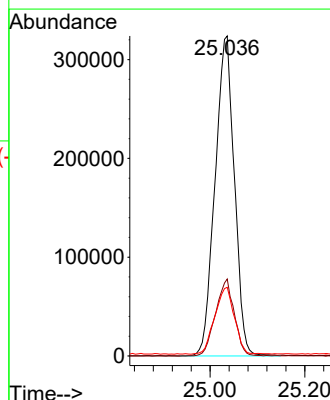
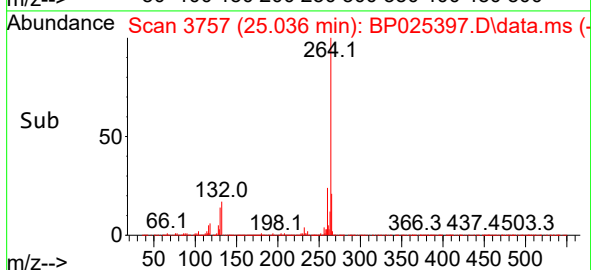
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

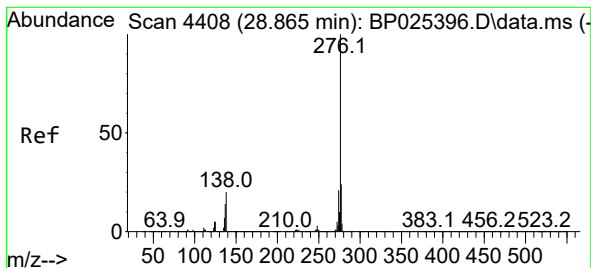


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion:264 Resp: 918939
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.463 ng m

RT: 28.859 min Scan# 4408

Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:276 Resp: 3604179

Ion Ratio Lower Upper

276 100

138 8.3 12.9 19.3

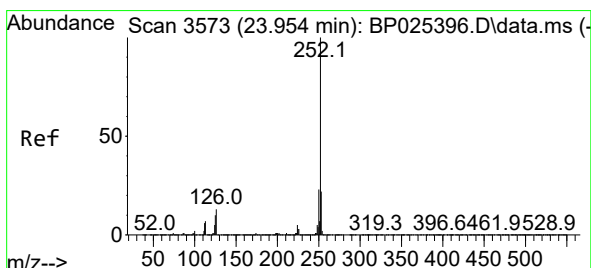
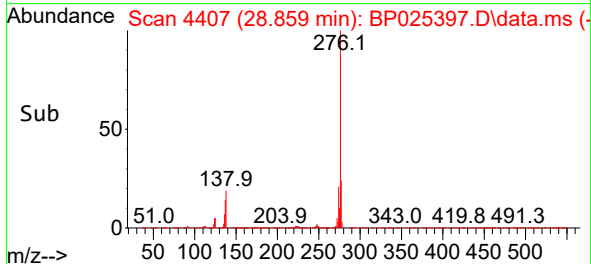
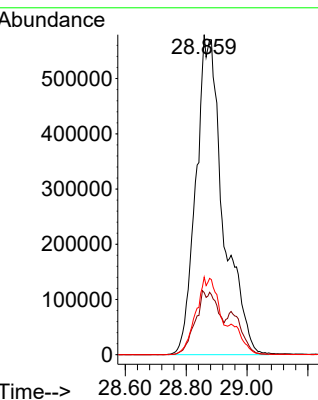
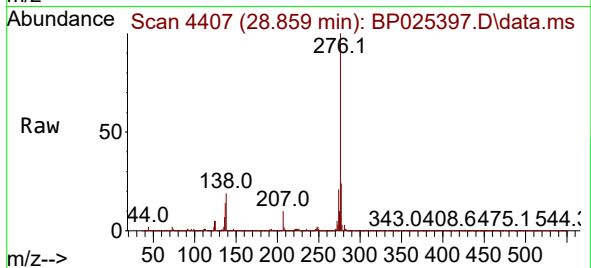
277 9.7 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 52.982 ng

RT: 23.960 min Scan# 3574

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

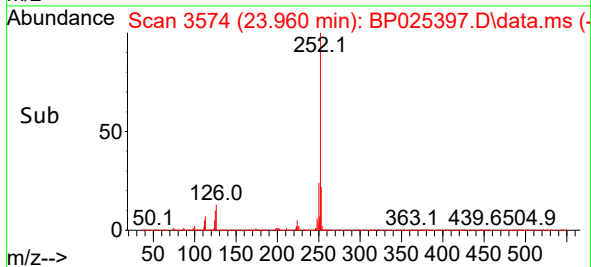
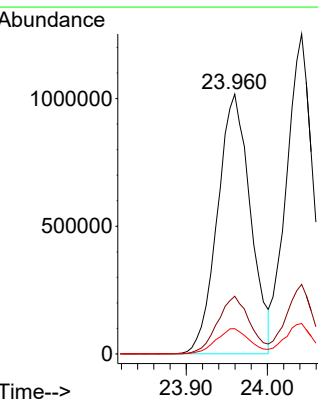
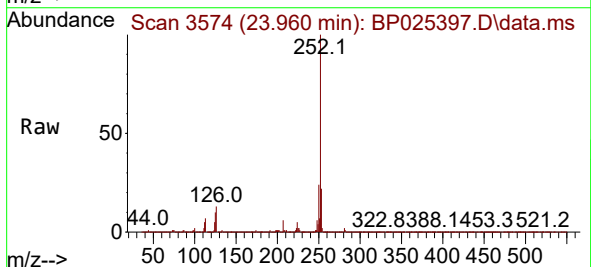
Tgt Ion:252 Resp: 2870971

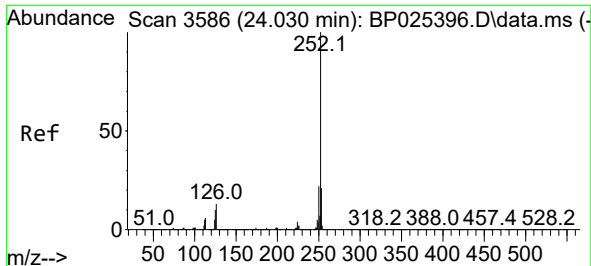
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

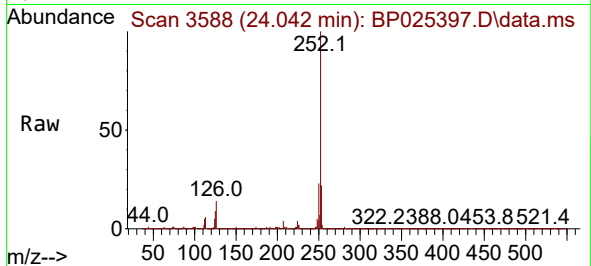
125 9.8 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 51.956 ng
RT: 24.042 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

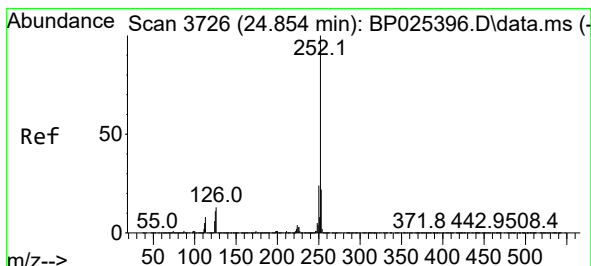
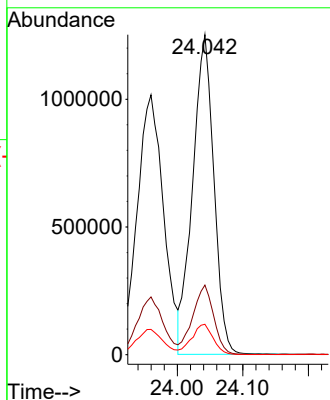
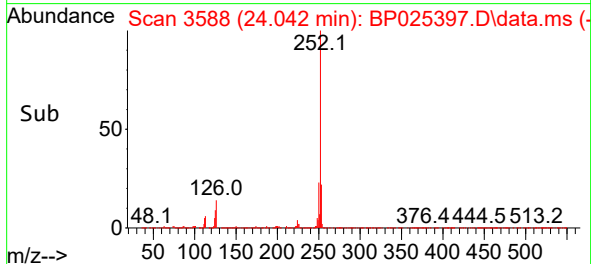
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



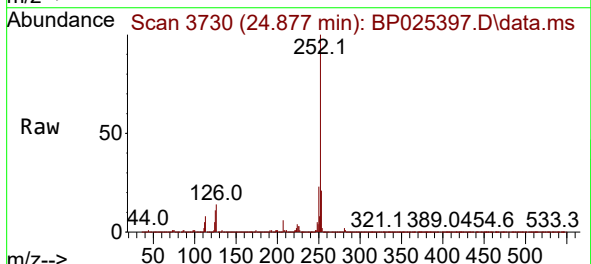
Tgt Ion:252 Resp: 2817270
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 9.5 7.8 11.6

Manual Integrations
APPROVED

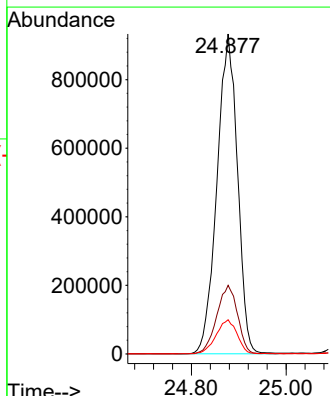
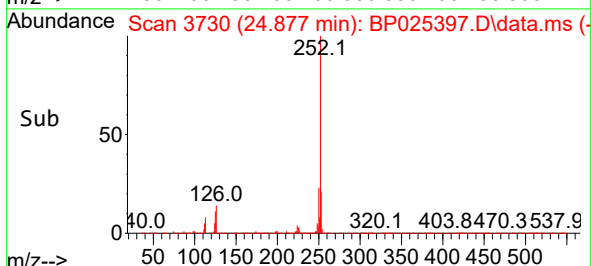
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

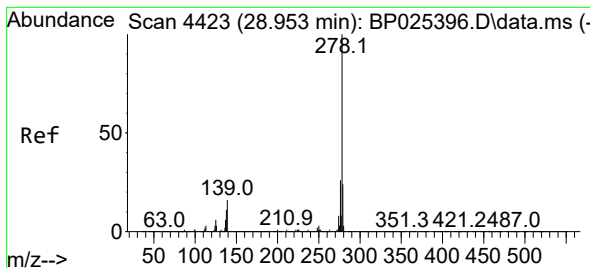


#90
Benzo(a)pyrene
Concen: 53.100 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion:252 Resp: 2800880
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.7 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 53.795 ng

RT: 28.965 min Scan# 4423

Delta R.T. 0.012 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:278 Resp: 296262

Ion Ratio Lower Upper

278 100

139 15.5 13.0 19.4

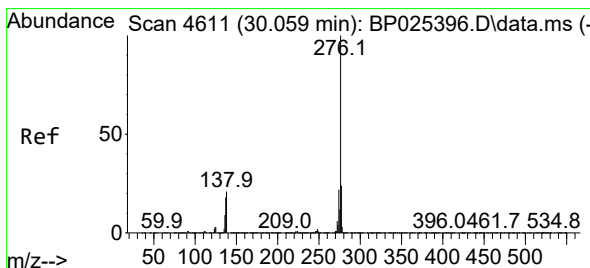
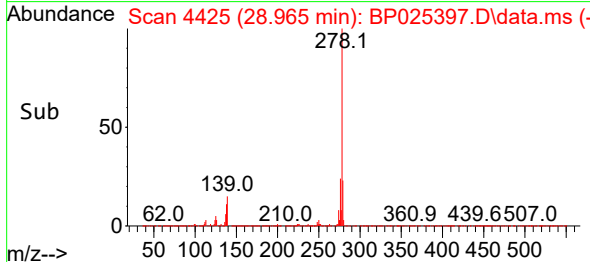
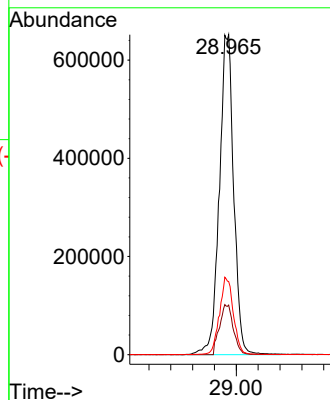
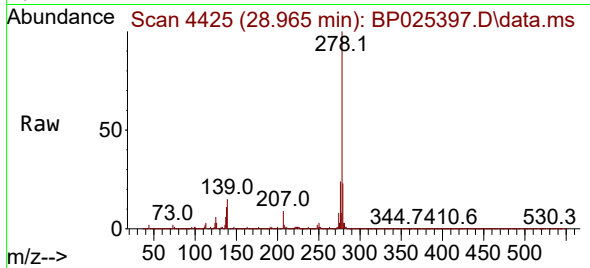
279 22.9 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 52.960 ng m

RT: 30.053 min Scan# 4610

Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

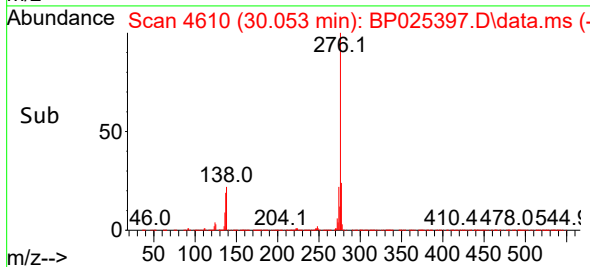
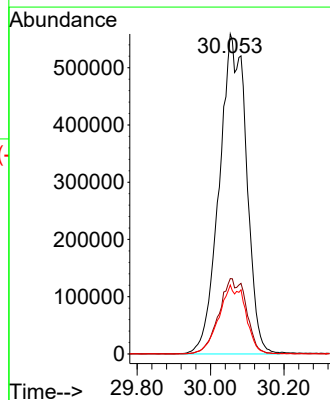
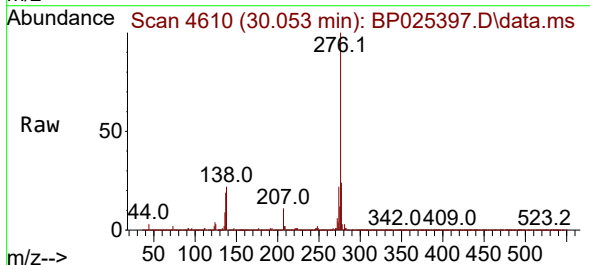
Tgt Ion:276 Resp: 2866689

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 21.6 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025398.D
 Acq On : 14 Aug 2025 16:42
 Operator : CG/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 14 17:58:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	162248	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	693237	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	460439	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	923402	20.000	ng	0.01
76) Chrysene-d12	21.666	240	926019	20.000	ng	0.02
86) Perylene-d12	25.042	264	1081163	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1193329	122.144	ng	0.00
7) Phenol-d6	6.972	99	1566626	125.072	ng	0.00
23) Nitrobenzene-d5	8.931	82	1698557	123.944	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	760738	122.748	ng	0.01
45) 2-Fluorobiphenyl	13.025	172	3963871	117.656	ng	0.00
79) Terphenyl-d14	19.930	244	5896004	116.490	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	225015	58.799	ng	99
3) Pyridine	3.731	79	623639	59.539	ng	97
4) n-Nitrosodimethylamine	3.637	42	269971	62.518	ng	100
6) Aniline	7.125	93	1053232	62.408	ng	99
8) 2-Chlorophenol	7.366	128	688094	62.413	ng	100
9) Benzaldehyde	6.943	77	489205	55.745	ng	97
10) Phenol	7.002	94	821863	62.530	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	634374	61.925	ng	99
12) 1,3-Dichlorobenzene	7.684	146	744884	61.273	ng	99
13) 1,4-Dichlorobenzene	7.825	146	751354	60.469	ng	100
14) 1,2-Dichlorobenzene	8.143	146	723663	60.165	ng	99
15) Benzyl Alcohol	8.025	79	627198	63.019	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	846896	61.712	ng	99
17) 2-Methylphenol	8.225	107	579471	63.480	ng	99
18) Hexachloroethane	8.866	117	281129	61.535	ng	95
19) n-Nitroso-di-n-propyla...	8.590	70	507223	61.060	ng	98
20) 3+4-Methylphenols	8.555	107	798107	63.075	ng	96
22) Acetophenone	8.602	105	1051848	60.503	ng	# 99
24) Nitrobenzene	8.978	77	752762	61.461	ng	98
25) Isophorone	9.502	82	1475193	60.825	ng	99
26) 2-Nitrophenol	9.678	139	405821	64.564	ng	98
27) 2,4-Dimethylphenol	9.743	122	675186	62.463	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	894872	61.040	ng	99
29) 2,4-Dichlorophenol	10.213	162	673952	62.764	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	715954	60.823	ng	98
31) Naphthalene	10.613	128	2187912	60.722	ng	100
32) Benzoic acid	9.907	122	530609	66.651	ng	98
33) 4-Chloroaniline	10.713	127	993155	62.401	ng	99
34) Hexachlorobutadiene	10.901	225	442929	60.421	ng	100
35) Caprolactam	11.513	113	241521	61.340	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	764338	62.033	ng	98
37) 2-Methylnaphthalene	12.219	142	1418882	60.511	ng	99
38) 1-Methylnaphthalene	12.437	142	1494304	59.925	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	802737	60.365	ng	100
41) Hexachlorocyclopentadiene	12.572	237	536440	66.784	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	564165	62.841	ng	99

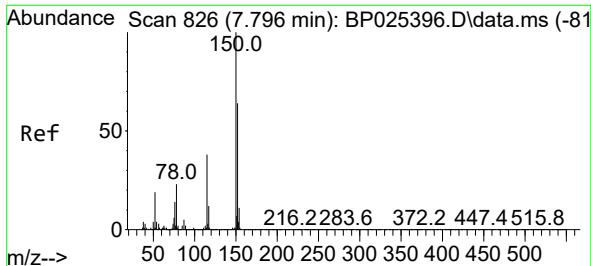
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025398.D
 Acq On : 14 Aug 2025 16:42
 Operator : CG/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 14 17:58:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	619246	62.937	ng	97
46) 1,1'-Biphenyl	13.237	154	1996186	59.695	ng	99
47) 2-Chloronaphthalene	13.272	162	1577577	60.600	ng	99
48) 2-Nitroaniline	13.472	65	485429	63.996	ng	100
49) Acenaphthylene	14.131	152	2634005	61.147	ng	99
50) Dimethylphthalate	13.866	163	2042324	60.572	ng	99
51) 2,6-Dinitrotoluene	13.972	165	446520	62.831	ng	100
52) Acenaphthene	14.478	154	1527191	60.399	ng	100
53) 3-Nitroaniline	14.301	138	506373	63.331	ng	96
54) 2,4-Dinitrophenol	14.519	184	265089	69.849	ng	98
55) Dibenzofuran	14.819	168	2387933	59.734	ng	100
56) 4-Nitrophenol	14.625	139	419801	63.893	ng	99
57) 2,4-Dinitrotoluene	14.778	165	650054	64.112	ng	96
58) Fluorene	15.478	166	1836972	58.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.042	232	541317	62.307	ng	100
60) Diethylphthalate	15.254	149	2015888	58.840	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	926280	59.044	ng	99
62) 4-Nitroaniline	15.489	138	510438	62.272	ng	99
63) Azobenzene	15.766	77	1796580	61.242	ng	99
65) 4,6-Dinitro-2-methylph...	15.554	198	385873	67.038	ng	98
66) n-Nitrosodiphenylamine	15.684	169	1674806	59.478	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	616767	60.731	ng	97
68) Hexachlorobenzene	16.501	284	711778	60.461	ng	100
69) Atrazine	16.666	200	633381	60.063	ng	99
70) Pentachlorophenol	16.854	266	474276	63.820	ng	97
71) Phenanthrene	17.260	178	3006132	59.263	ng	100
72) Anthracene	17.342	178	3050794	58.895	ng	99
73) Carbazole	17.625	167	2916606	59.776	ng	99
74) Di-n-butylphthalate	18.219	149	3560427	59.310	ng	100
75) Fluoranthene	19.342	202	3563798	58.899	ng	99
77) Benzidine	19.525	184	1690432	53.489	ng	99
78) Pyrene	19.713	202	3664453	60.883	ng	100
80) Butylbenzylphthalate	20.660	149	1710246	62.697	ng	99
81) Benzo(a)anthracene	21.648	228	3702064	60.619	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1405597	61.062	ng	100
83) Chrysene	21.707	228	3453736	60.387	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	2450963	61.038	ng	100
85) Di-n-octyl phthalate	22.883	149	4342211	62.869	ng	100
87) Indeno(1,2,3-cd)pyrene	28.901	276	4937235	62.248	ng	96
88) Benzo(b)fluoranthene	23.960	252	3883465	60.914	ng	99
89) Benzo(k)fluoranthene	24.036	252	3912900	61.334	ng	99
90) Benzo(a)pyrene	24.883	252	3845093	61.959	ng	99
91) Dibenzo(a,h)anthracene	28.977	278	4035414	62.280	ng	98
92) Benzo(g,h,i)perylene	30.083	276	3958545	62.159	ng	100

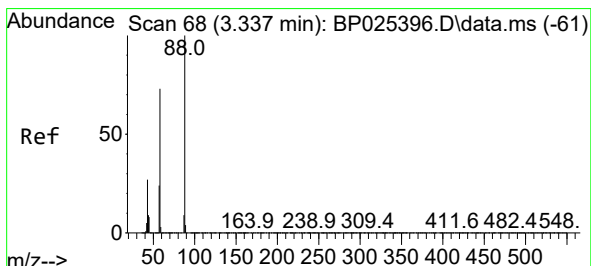
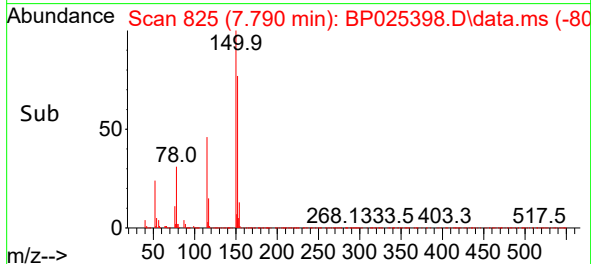
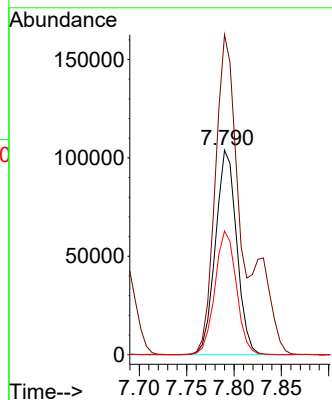
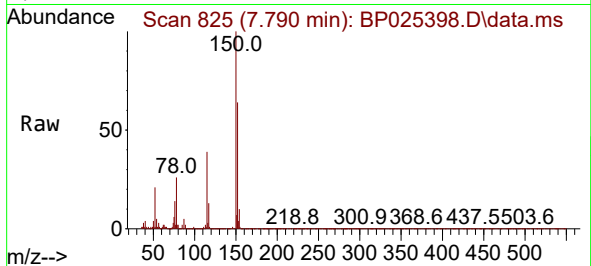
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

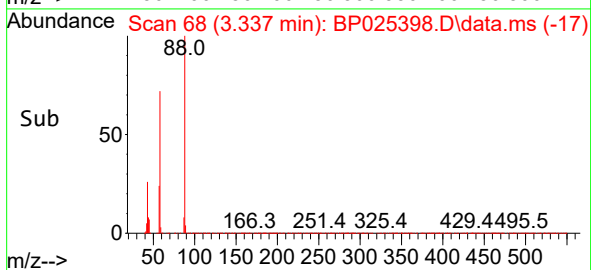
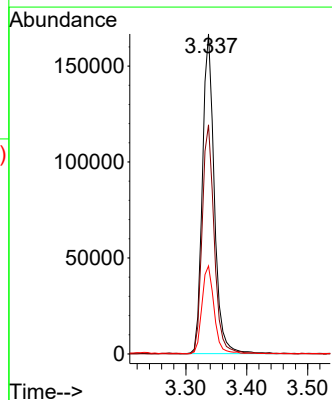
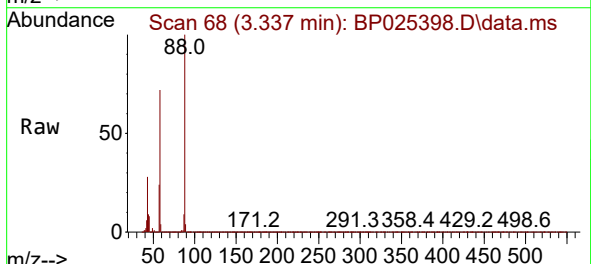
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

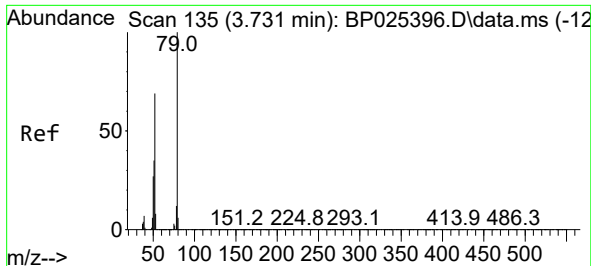
Tgt Ion:152 Resp: 162248
Ion Ratio Lower Upper
152 100
150 156.4 125.9 188.9
115 60.5 48.5 72.7



#2
1,4-Dioxane
Concen: 58.799 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 88 Resp: 225015
Ion Ratio Lower Upper
88 100
58 73.0 59.2 88.8
43 27.9 21.7 32.5

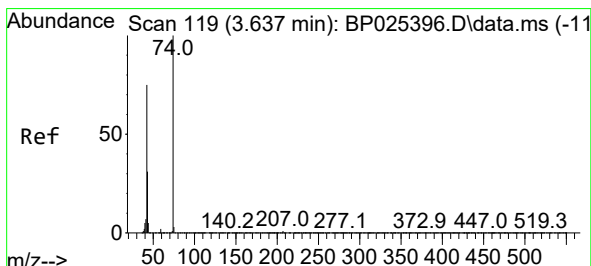
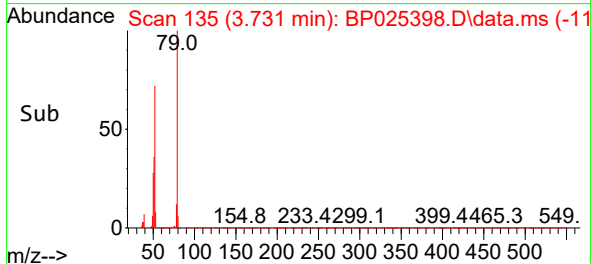
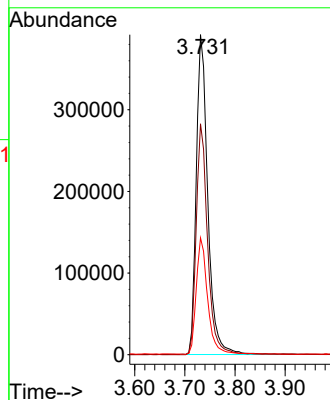
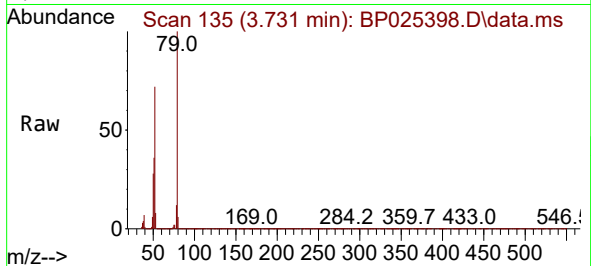




#3
Pyridine
Concen: 59.539 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

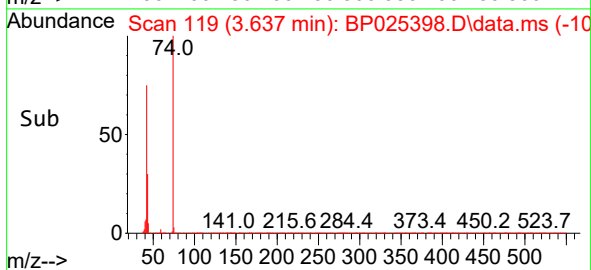
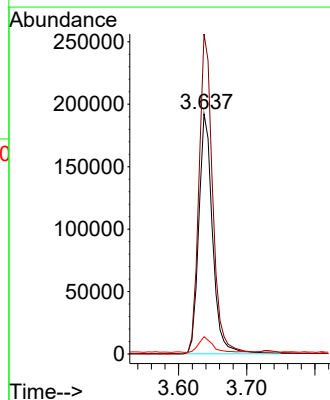
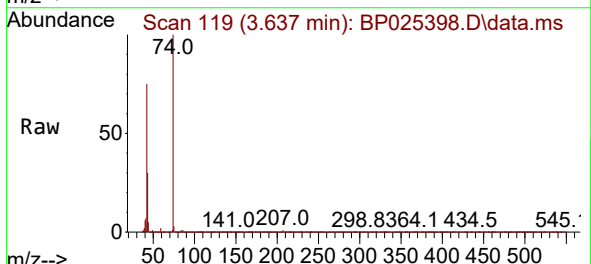
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

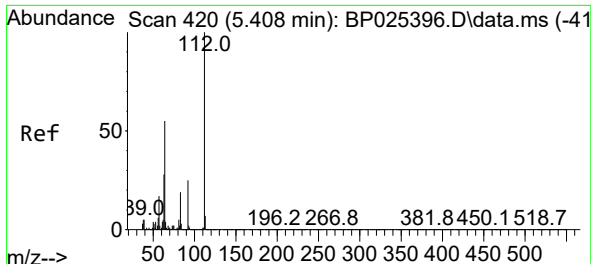
Tgt Ion: 79 Resp: 623639
Ion Ratio Lower Upper
79 100
52 72.1 55.5 83.3
51 36.5 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 62.518 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 42 Resp: 269971
Ion Ratio Lower Upper
42 100
74 133.4 107.0 160.4
44 7.2 6.2 9.4

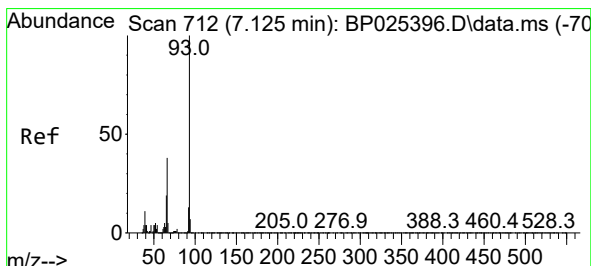
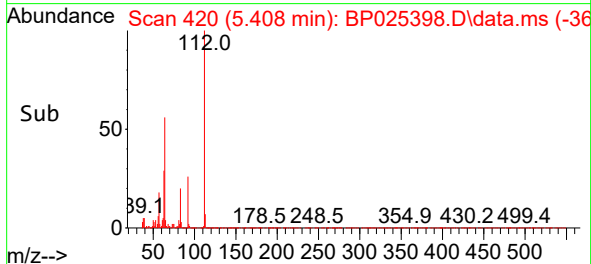
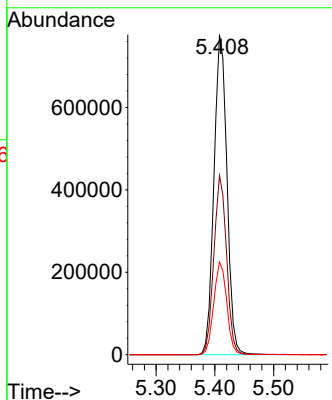
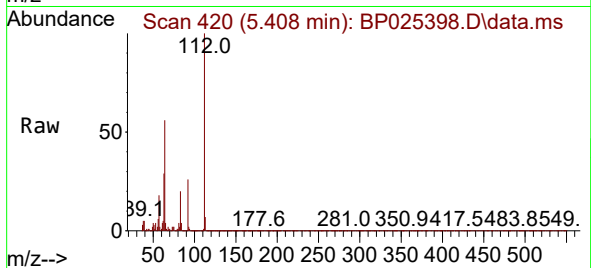




#5
2-Fluorophenol
Concen: 122.144 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

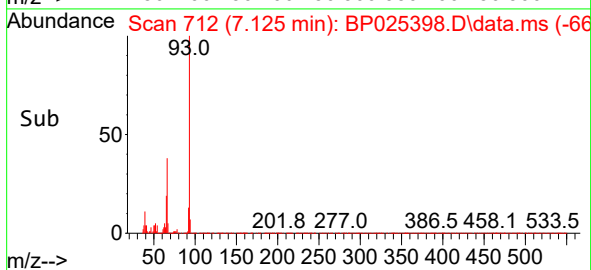
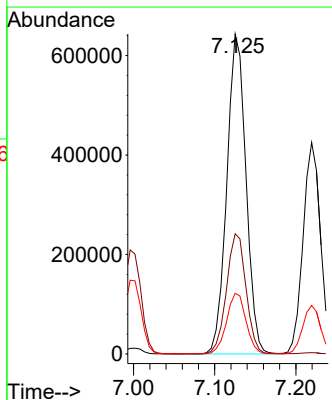
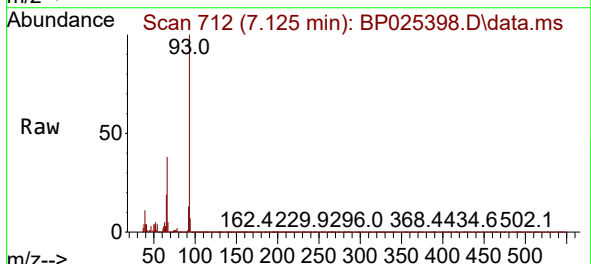
Instrument :
BNA_P
ClientSampleId :
SSTDIC060

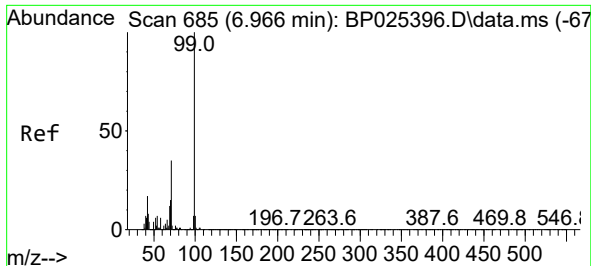
Tgt Ion:112 Resp: 1193329
Ion Ratio Lower Upper
112 100
64 56.0 43.8 65.8
63 29.0 22.7 34.1



#6
Aniline
Concen: 62.408 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 93 Resp: 1053232
Ion Ratio Lower Upper
93 100
66 37.5 30.4 45.6
65 18.9 15.3 22.9

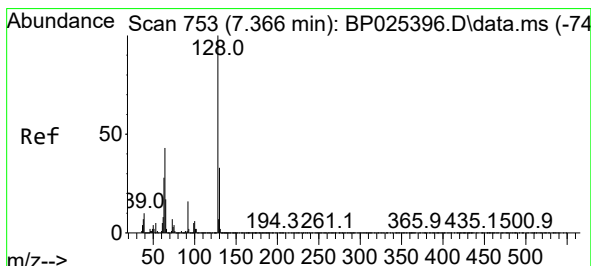
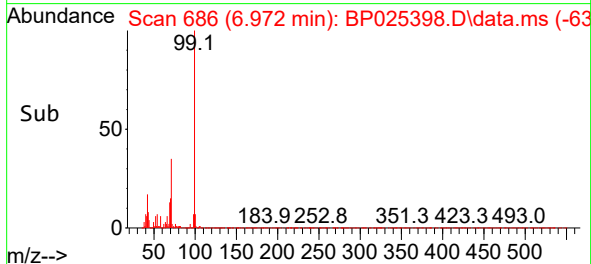
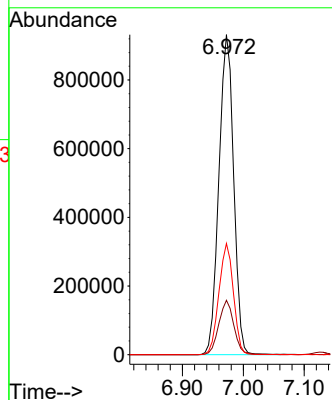
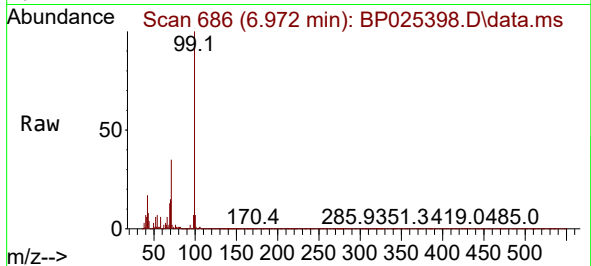




#7
Phenol-d6
Concen: 125.072 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

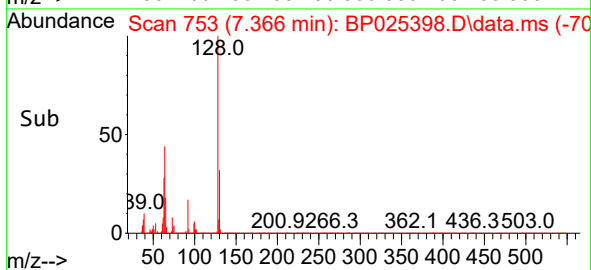
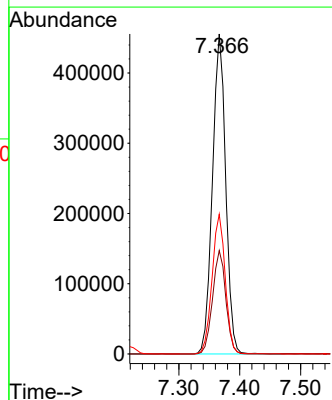
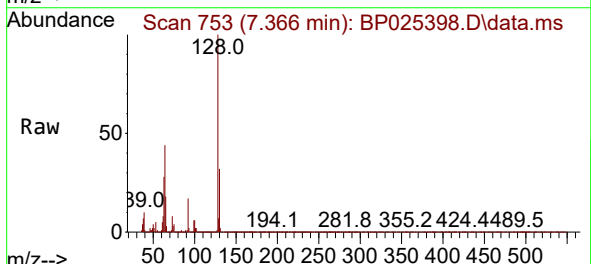
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

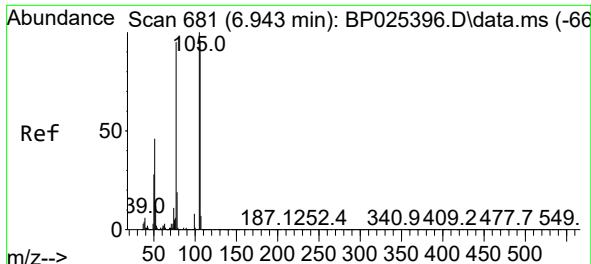
Tgt Ion: 99 Resp: 1566626
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 34.8 28.2 42.4



#8
2-Chlorophenol
Concen: 62.413 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 128 Resp: 688094
Ion Ratio Lower Upper
128 100
130 32.3 12.6 52.6
64 43.7 23.4 63.4

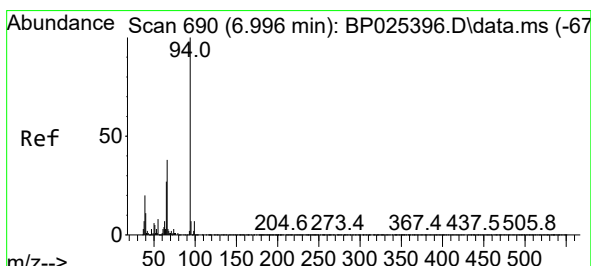
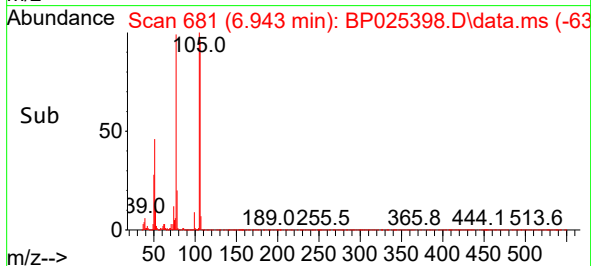
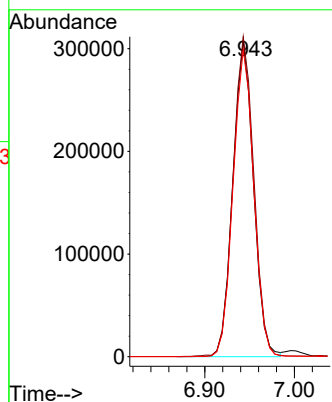
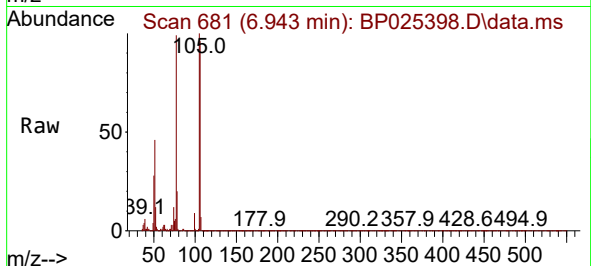




#9
Benzaldehyde
Concen: 55.745 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

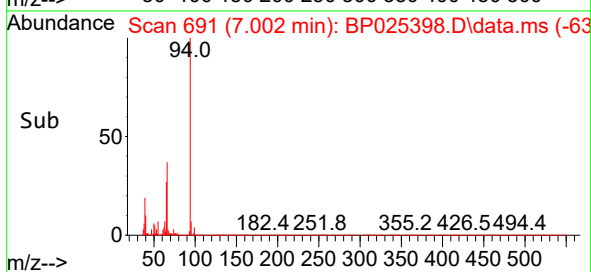
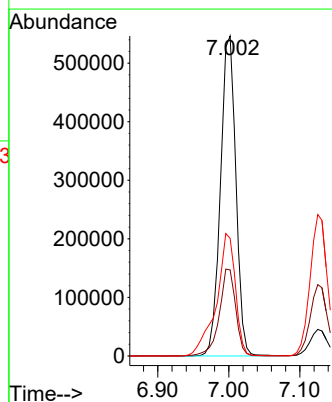
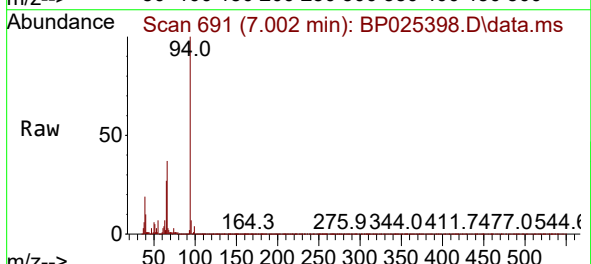
Instrument :
BNA_P
ClientSampleId :
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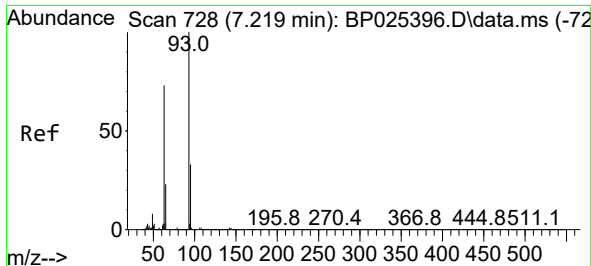
Tgt Ion: 77 Resp: 489205
Ion Ratio Lower Upper
77 100
105 101.4 84.8 124.8
106 97.4 80.5 120.5



#10
Phenol
Concen: 62.530 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 94 Resp: 821863
Ion Ratio Lower Upper
94 100
65 26.9 6.8 46.8
66 36.8 18.2 58.2

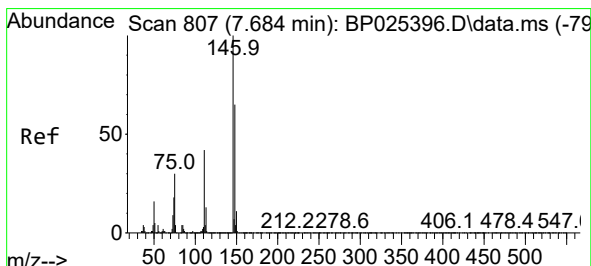
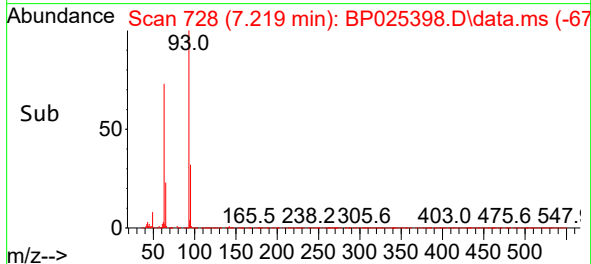
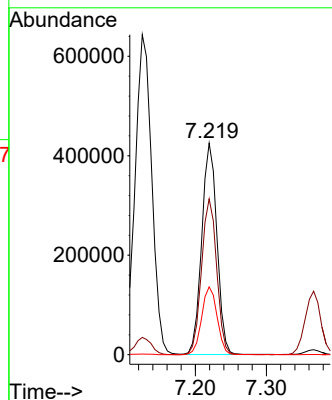
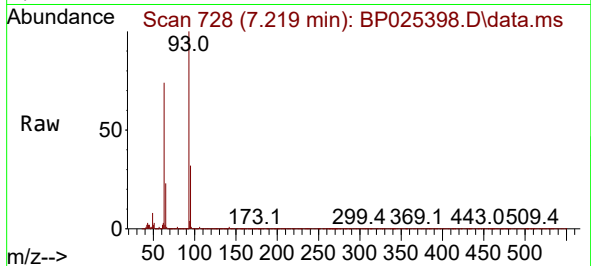




#11
bis(2-Chloroethyl)ether
Concen: 61.925 ng
RT: 7.219 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

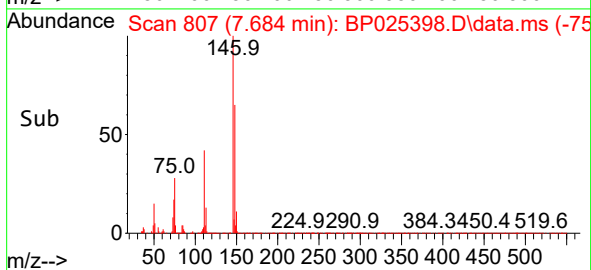
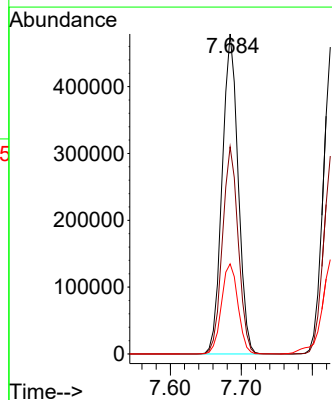
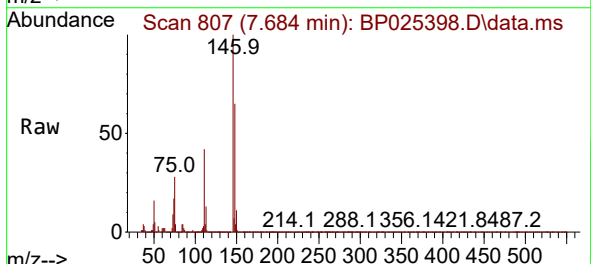
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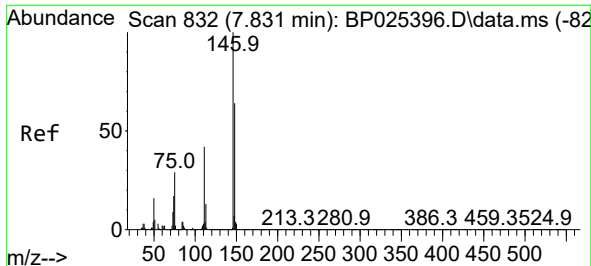
Tgt Ion:	93	Resp:	634374
Ion	Ratio	Lower	Upper
93	100		
63	73.6	52.6	92.6
95	32.0	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 61.273 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:	146	Resp:	744884
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	28.2	23.7	35.5

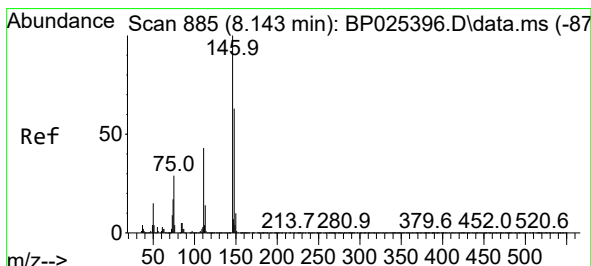
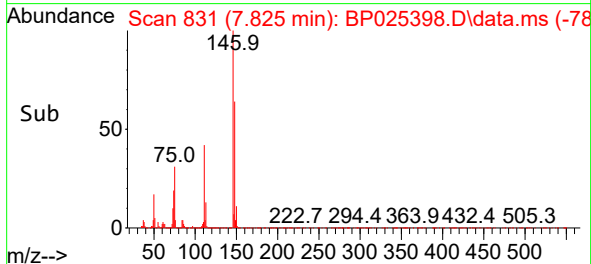
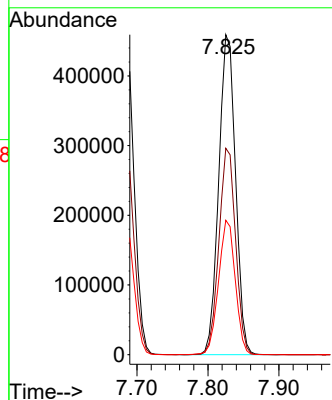
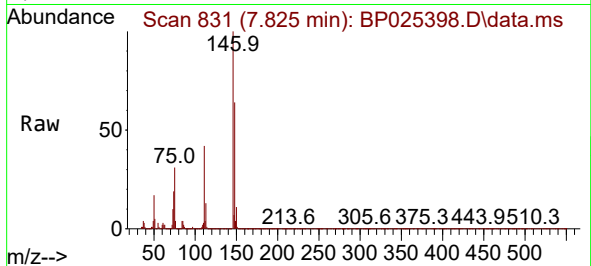




#13
1,4-Dichlorobenzene
Concen: 60.469 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

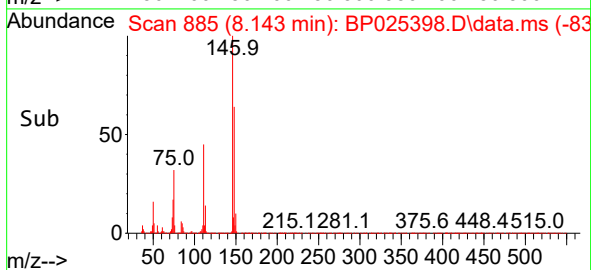
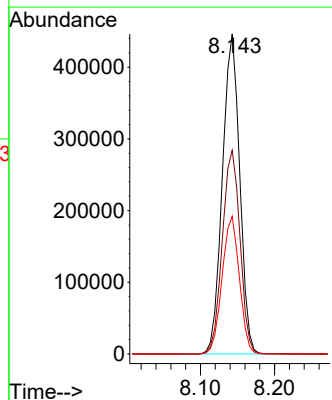
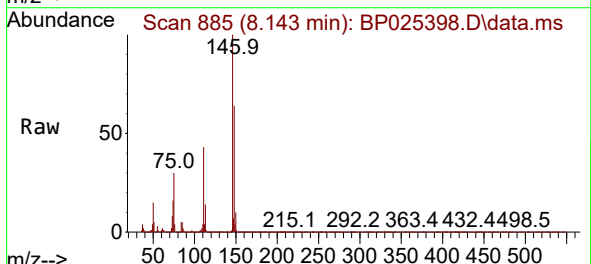
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

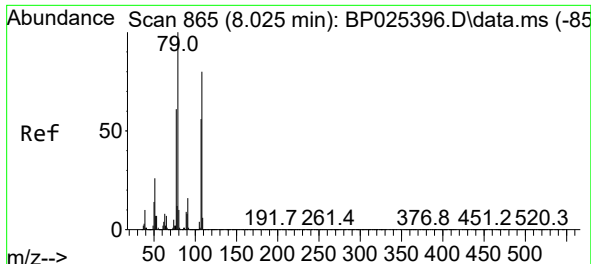
Tgt Ion:146 Resp: 751354
Ion Ratio Lower Upper
146 100
148 64.5 51.6 77.4
111 42.0 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 60.165 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:146 Resp: 723663
Ion Ratio Lower Upper
146 100
148 63.6 50.4 75.6
111 43.0 34.5 51.7

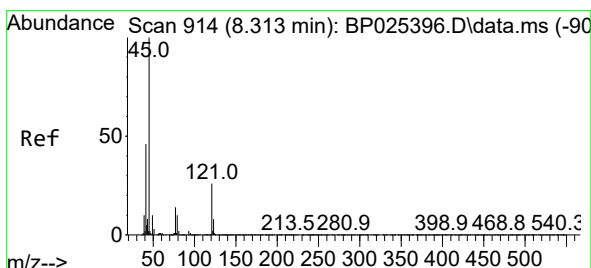
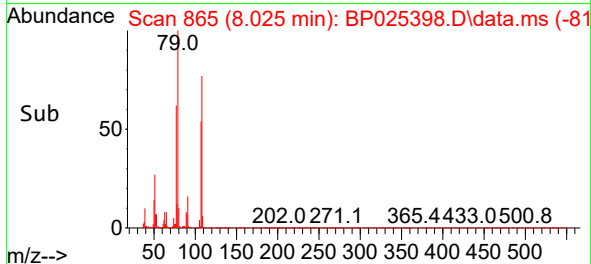
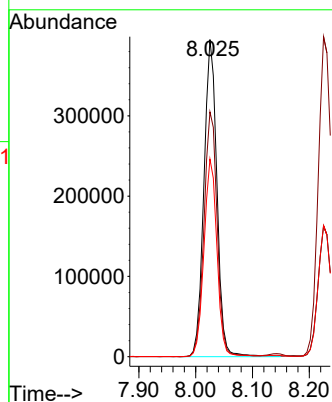
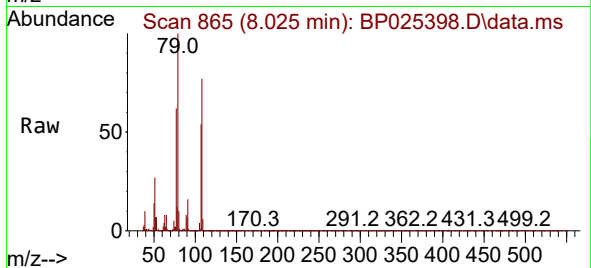




#15
Benzyl Alcohol
Concen: 63.019 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

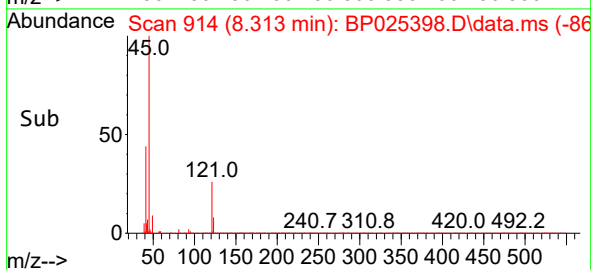
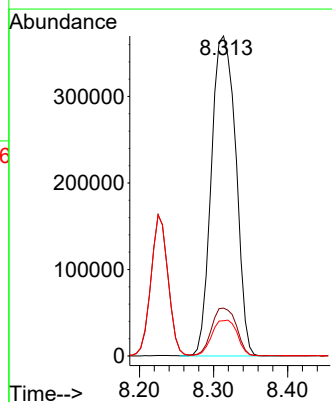
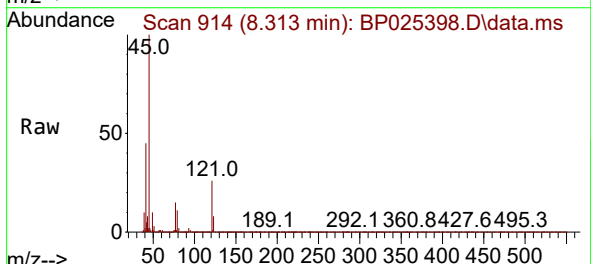
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

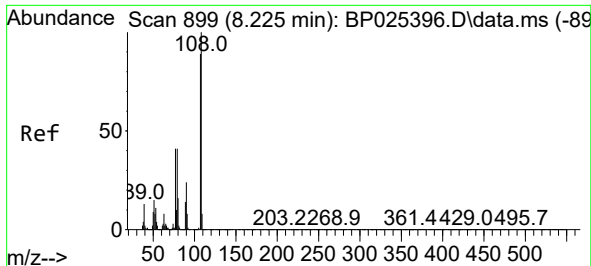
Tgt Ion: 79 Resp: 627198
Ion Ratio Lower Upper
79 100
108 77.2 63.8 95.6
77 62.3 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.712 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 45 Resp: 846896
Ion Ratio Lower Upper
45 100
77 14.9 0.0 35.3
79 11.0 0.0 31.8

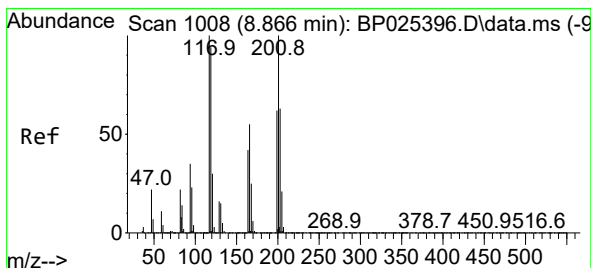
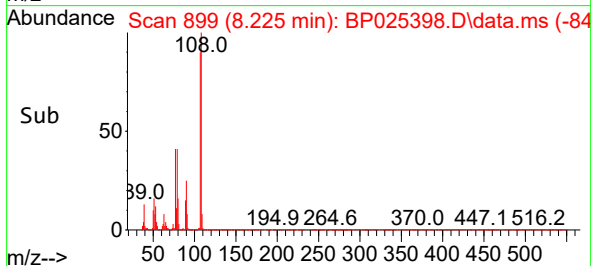
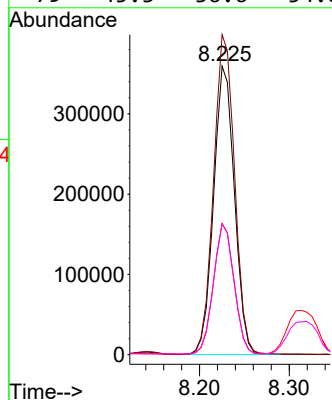
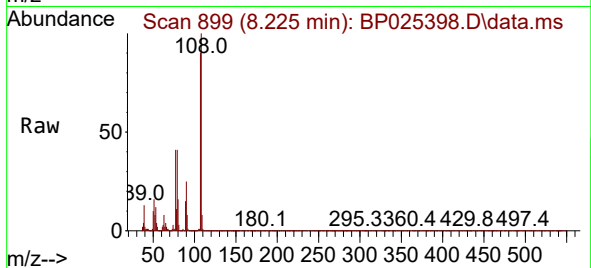




#17
2-Methylphenol
Concen: 63.480 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

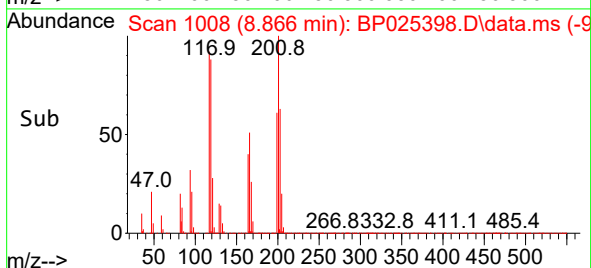
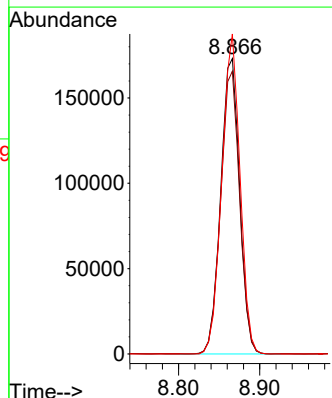
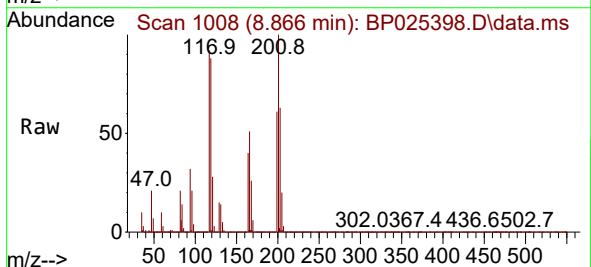
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

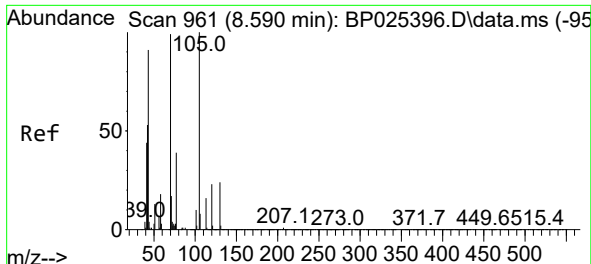
Tgt Ion:	107	Resp:	579471
Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.4	134.0
77	45.5	36.3	54.5
79	45.3	36.6	54.8



#18
Hexachloroethane
Concen: 61.535 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:	117	Resp:	281129
Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.1	112.7
201	108.4	80.1	120.1



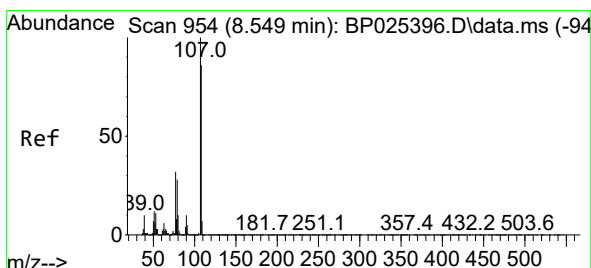
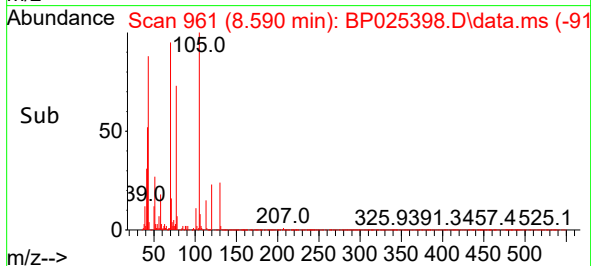
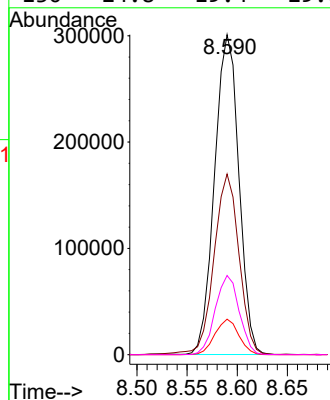
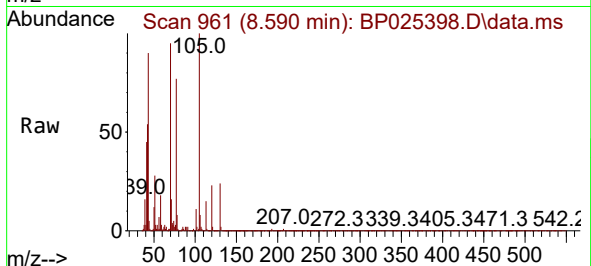


#19
n-Nitroso-di-n-propylamine
Concen: 61.060 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 507223

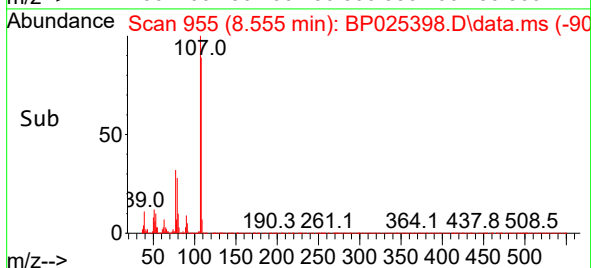
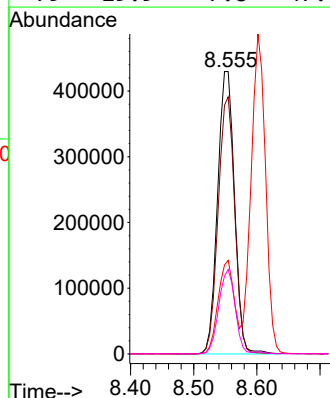
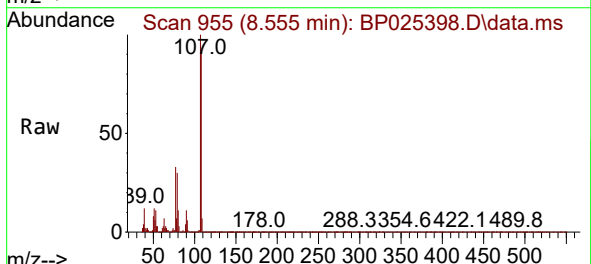
Ion	Ratio	Lower	Upper
70	100		
42	56.5	43.8	65.6
101	11.1	8.5	12.7
130	24.8	19.4	29.0

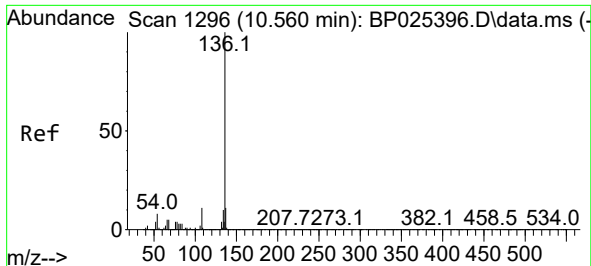


#20
3+4-Methylphenols
Concen: 63.075 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 107 Resp: 798107

Ion	Ratio	Lower	Upper
107	100		
108	91.0	66.3	106.3
77	33.1	12.3	52.3
79	29.9	7.8	47.8

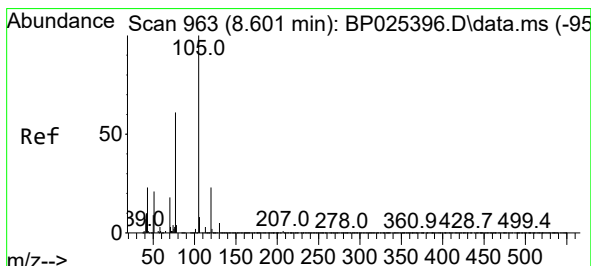
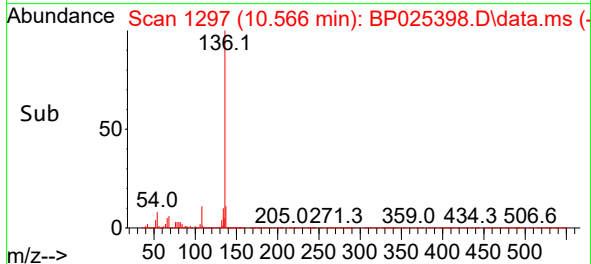
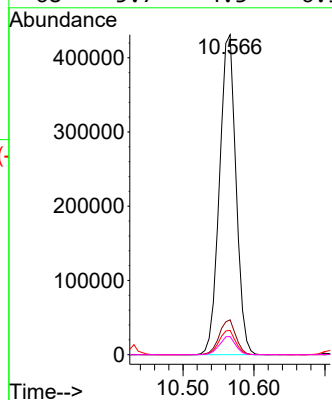
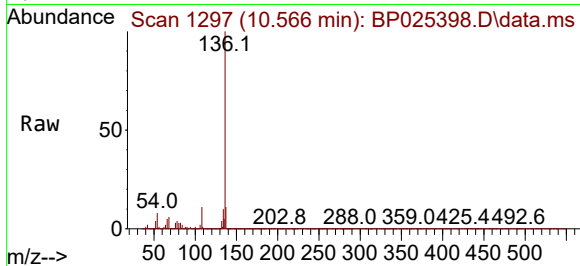




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

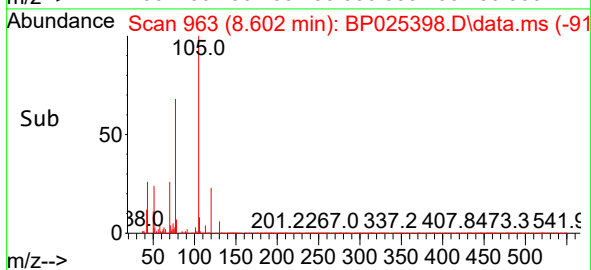
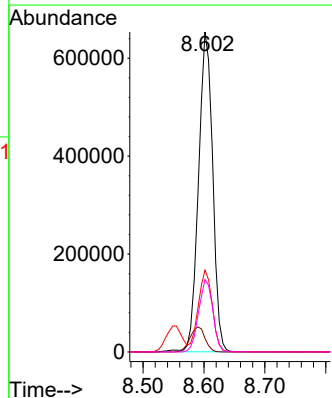
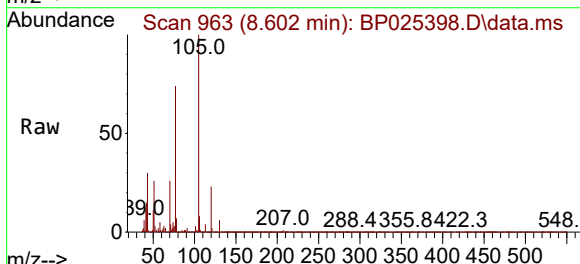
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

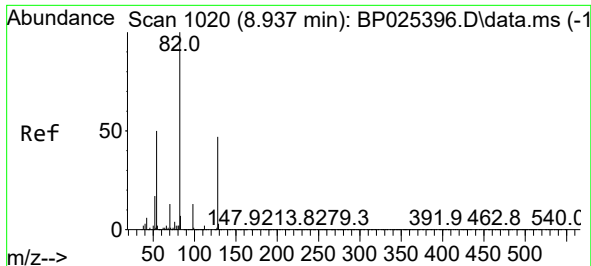
Tgt Ion:	136	Resp:	693237
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.2	13.8
54	7.6	6.0	9.0
68	5.7	4.3	6.5



#22
Acetophenone
Concen: 60.503 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:	105	Resp:	1051848
Ion Ratio	Lower	Upper	
105	100		
71	4.2	2.6	4.0#
51	25.5	20.6	30.8
120	22.6	18.6	27.8





#23

Nitrobenzene-d5

Concen: 123.944 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

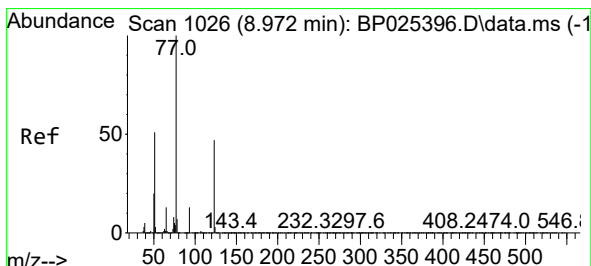
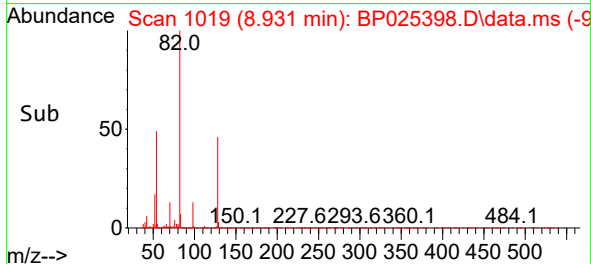
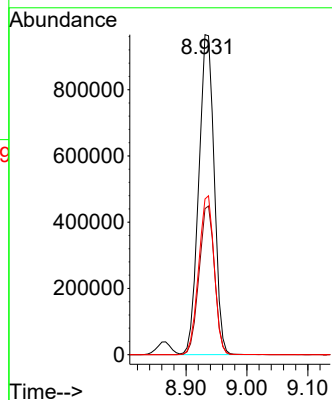
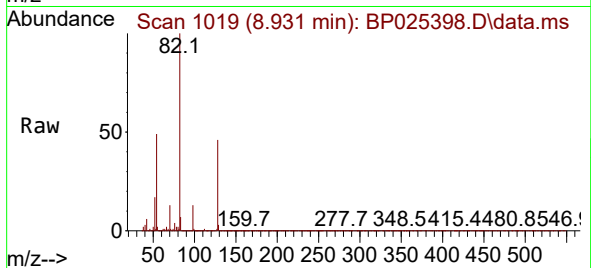
Tgt Ion: 82 Resp: 1698557

Ion Ratio Lower Upper

82 100

128 45.7 37.7 56.5

54 48.6 39.8 59.6



#24

Nitrobenzene

Concen: 61.461 ng

RT: 8.978 min Scan# 1027

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

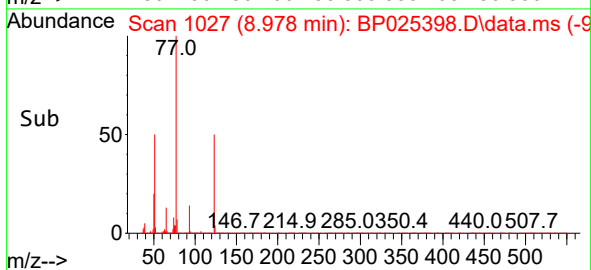
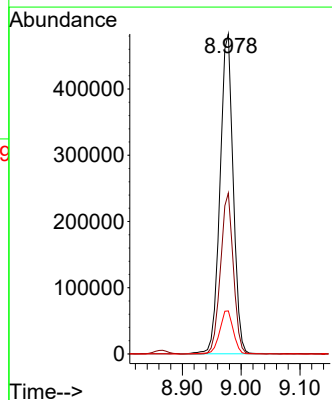
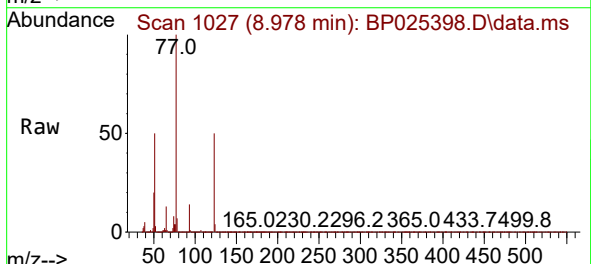
Tgt Ion: 77 Resp: 752762

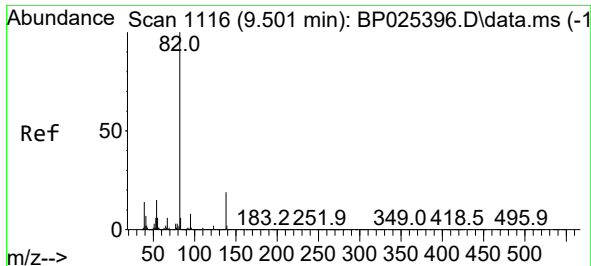
Ion Ratio Lower Upper

77 100

123 50.3 38.6 58.0

65 13.4 10.6 15.8

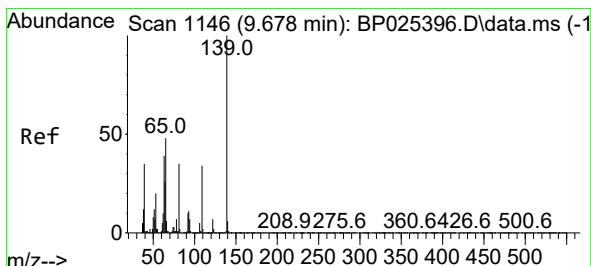
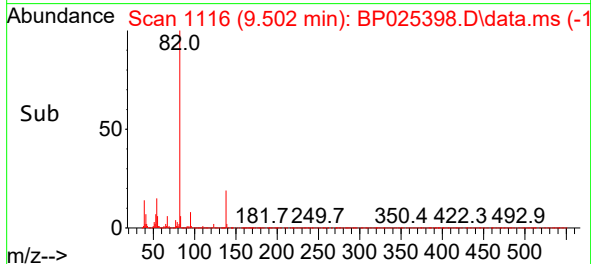
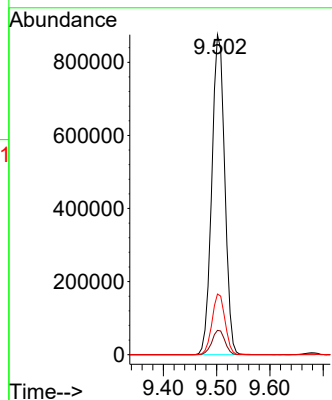
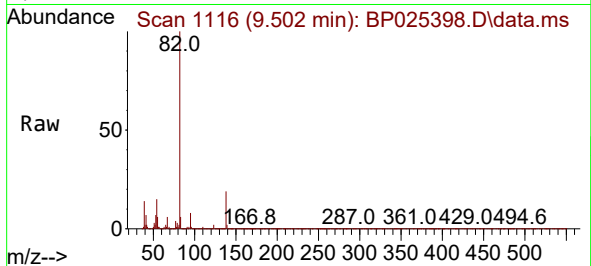




#25
Isophorone
Concen: 60.825 ng
RT: 9.502 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

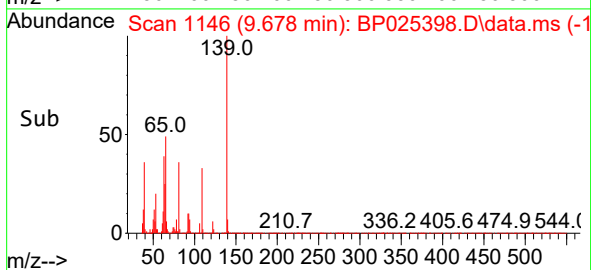
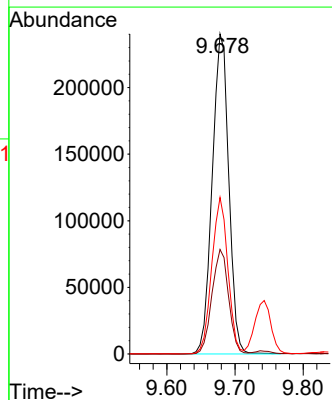
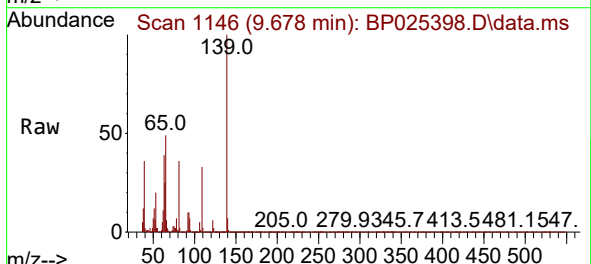
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

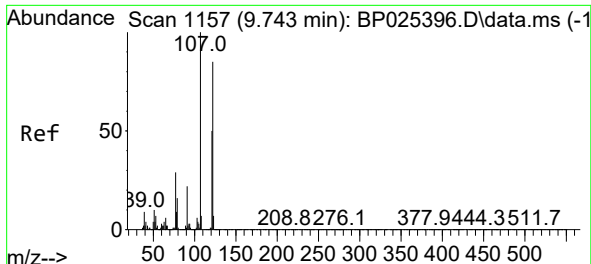
Tgt Ion: 82 Resp: 1475193
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 19.0 15.4 23.0



#26
2-Nitrophenol
Concen: 64.564 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 139 Resp: 405821
Ion Ratio Lower Upper
139 100
109 32.7 26.9 40.3
65 48.9 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 62.463 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

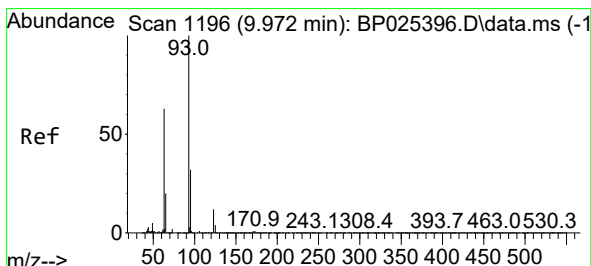
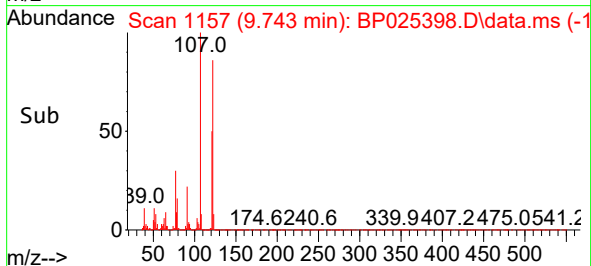
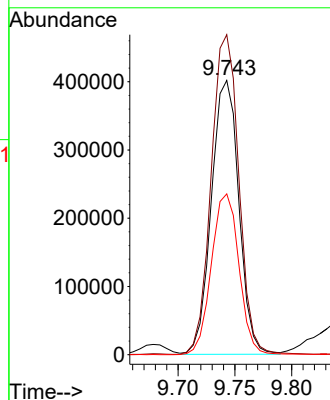
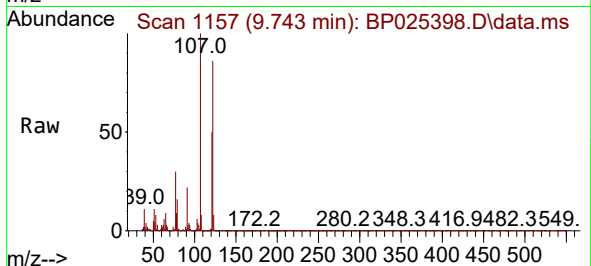
Tgt Ion:122 Resp: 675186

Ion Ratio Lower Upper

122 100

107 116.7 93.7 140.5

121 58.6 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 61.040 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

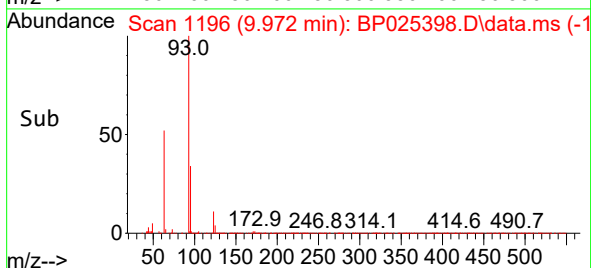
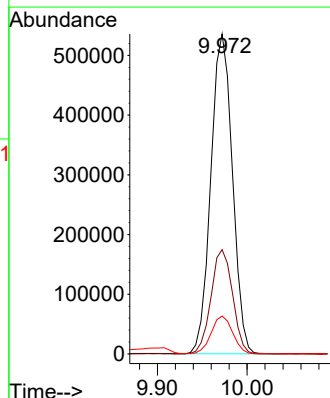
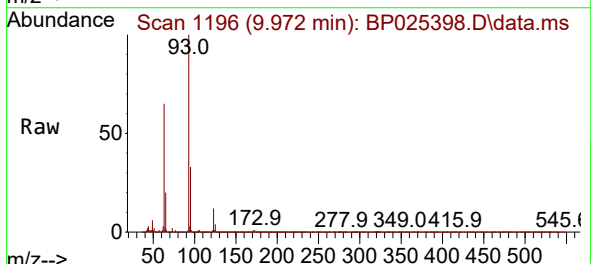
Tgt Ion: 93 Resp: 894872

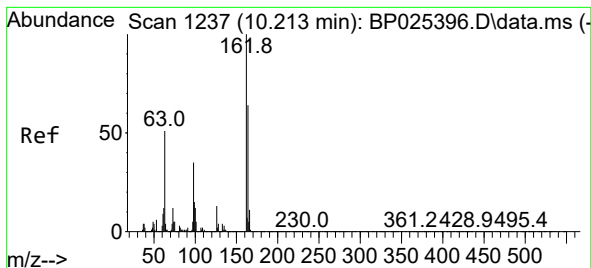
Ion Ratio Lower Upper

93 100

95 32.6 25.4 38.0

123 11.9 9.4 14.0

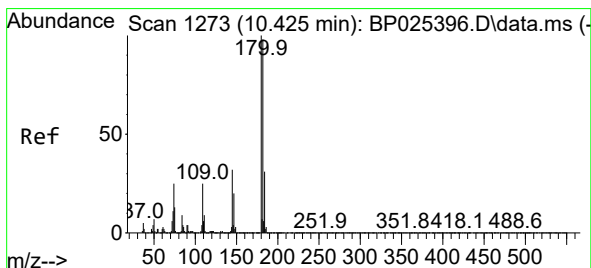
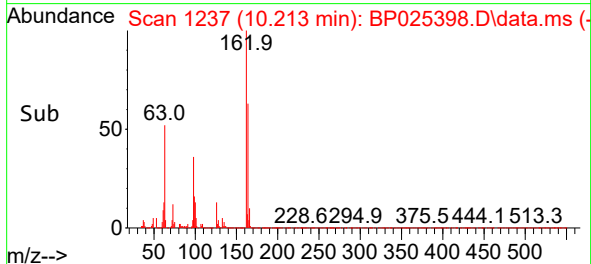
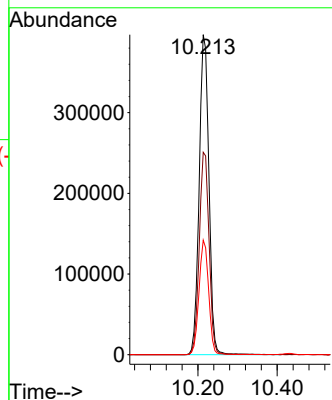
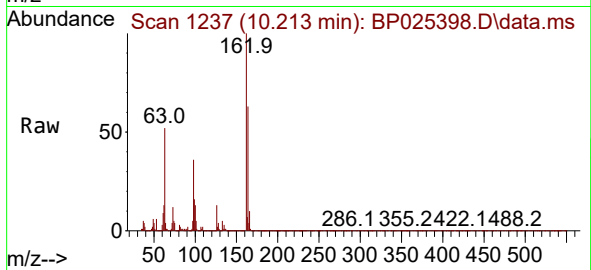




#29
2,4-Dichlorophenol
Concen: 62.764 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

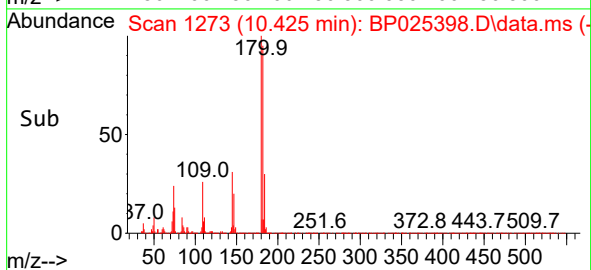
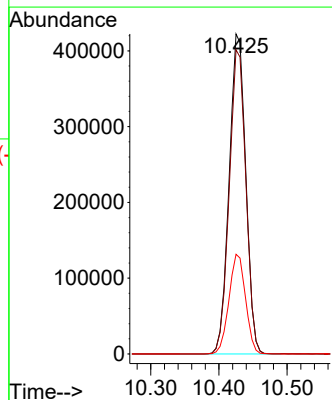
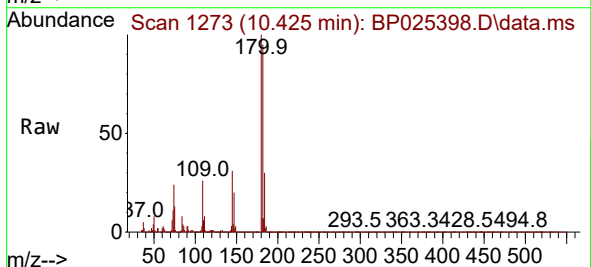
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

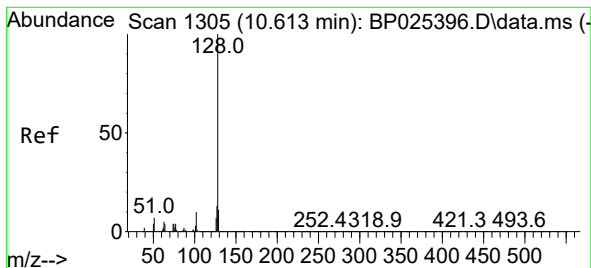
Tgt Ion:162 Resp: 673952
Ion Ratio Lower Upper
162 100
164 63.3 44.4 84.4
98 35.8 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 60.823 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:180 Resp: 715954
Ion Ratio Lower Upper
180 100
182 95.0 78.0 117.0
145 31.2 25.9 38.9

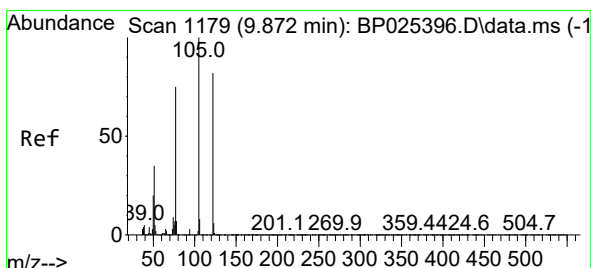
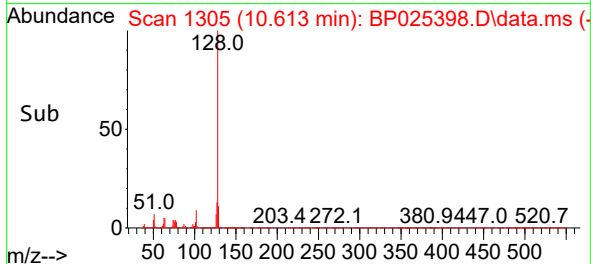
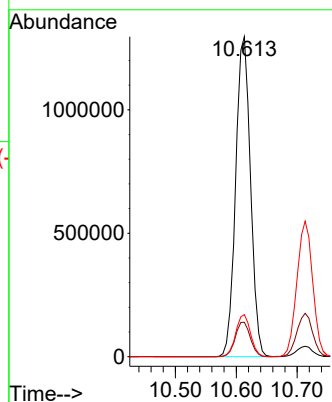
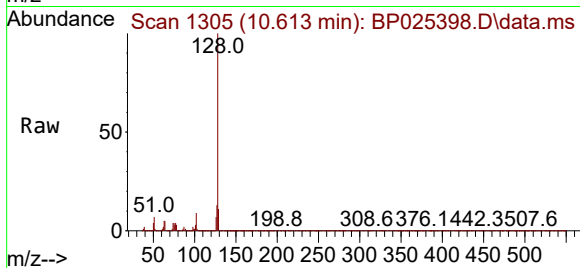




#31
Naphthalene
Concen: 60.722 ng
RT: 10.613 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

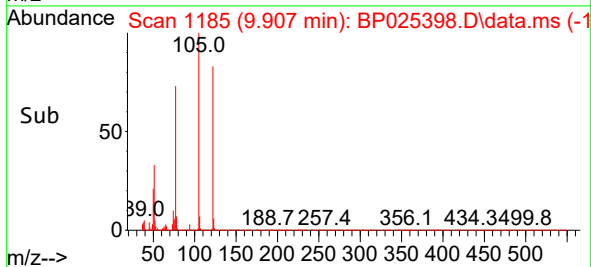
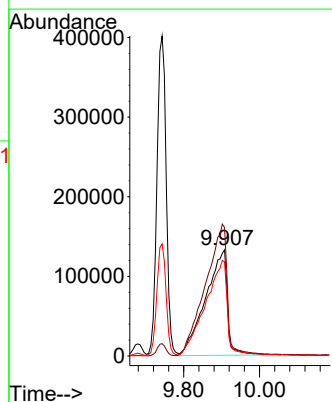
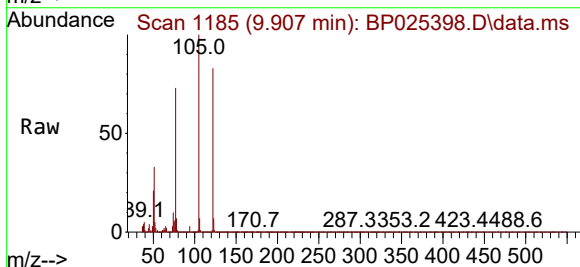
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

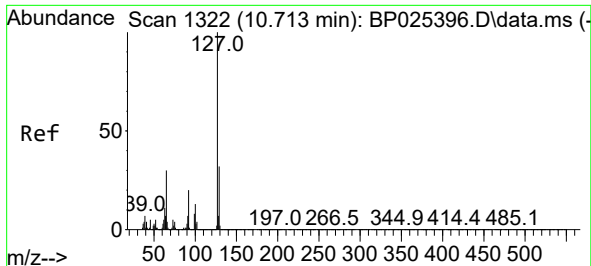
Tgt Ion:128 Resp: 2187912
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 66.651 ng
RT: 9.907 min Scan# 1185
Delta R.T. 0.035 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:122 Resp: 530609
Ion Ratio Lower Upper
122 100
105 121.0 100.6 140.6
77 88.6 71.5 111.5

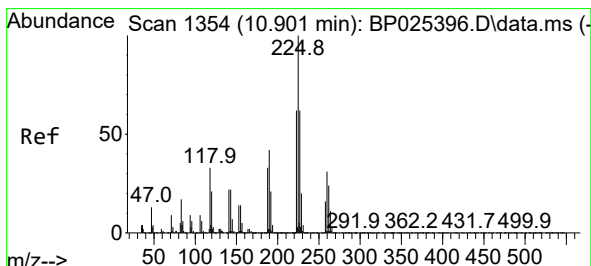
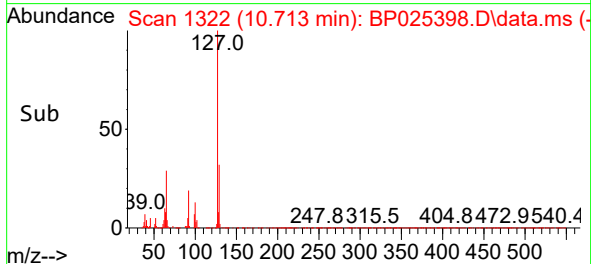
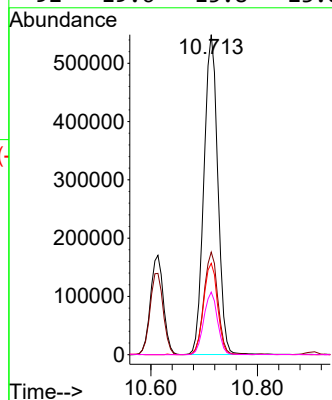
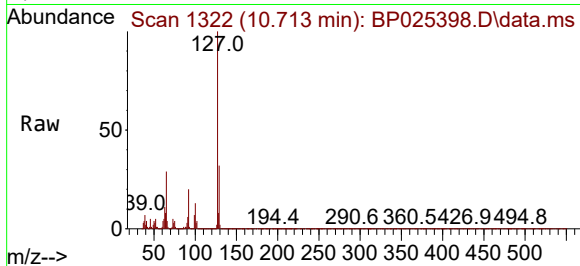




#33
4-Chloroaniline
Concen: 62.401 ng
RT: 10.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

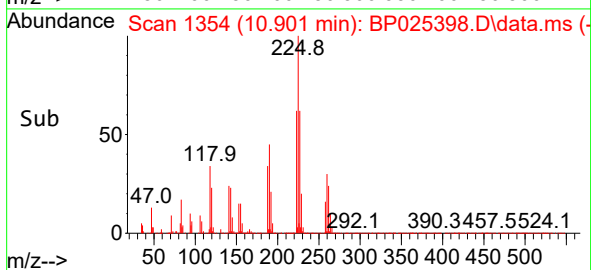
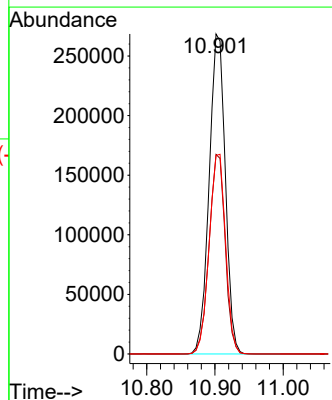
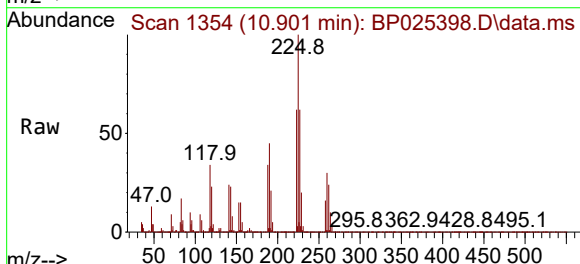
Instrument :
BNA_P
ClientSampleId :
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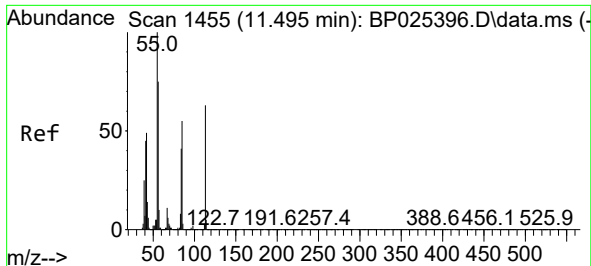
Tgt Ion:	127	Resp:	993155
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.4	38.2
65	28.5	23.8	35.6
92	19.6	15.8	23.8



#34
Hexachlorobutadiene
Concen: 60.421 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:	225	Resp:	442929
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.0	75.0
227	62.1	49.7	74.5

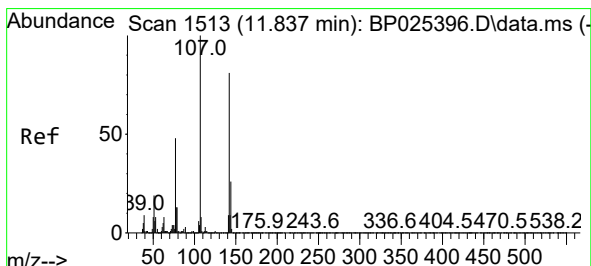
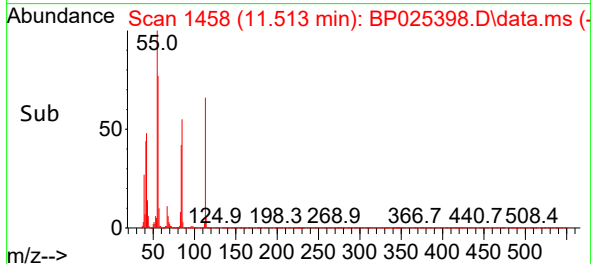
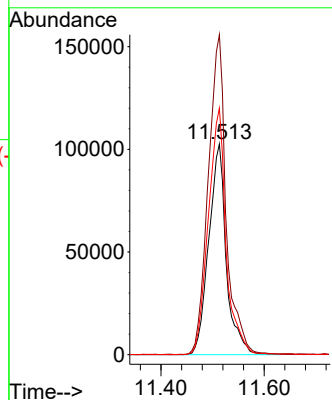
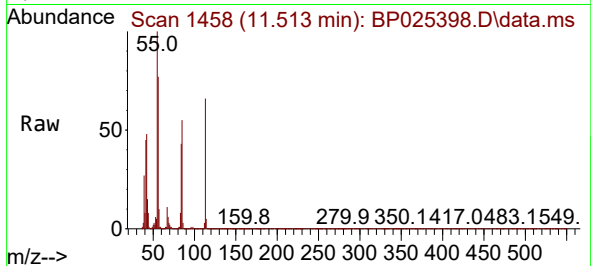




#35
Caprolactam
Concen: 61.340 ng
RT: 11.513 min Scan# 1455
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

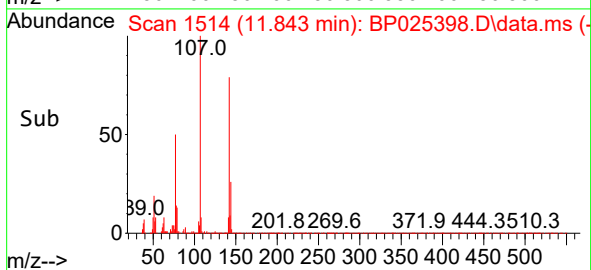
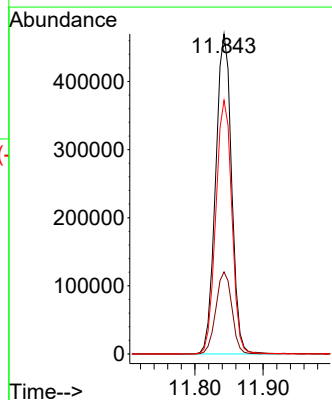
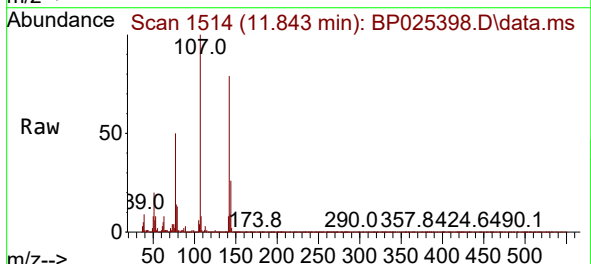
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

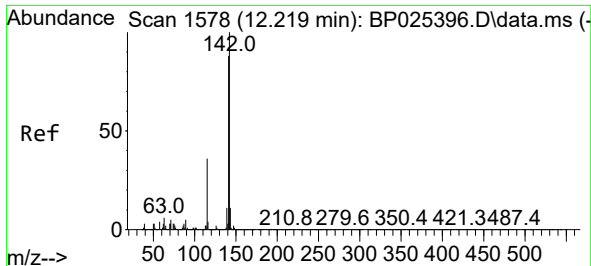
Tgt Ion:113 Resp: 241521
Ion Ratio Lower Upper
113 100
55 151.8 140.0 180.0
56 117.0 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 62.033 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:107 Resp: 764338
Ion Ratio Lower Upper
107 100
144 25.7 21.0 31.4
142 79.2 64.6 97.0

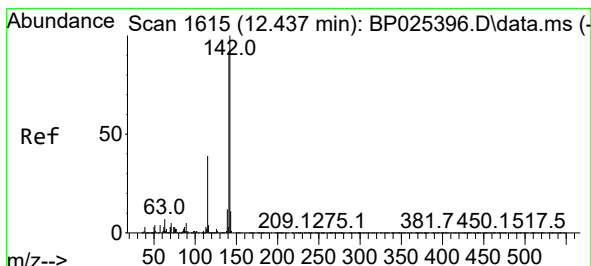
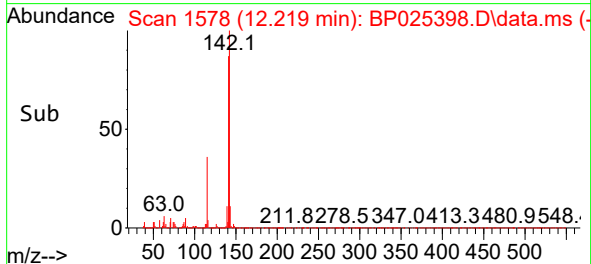
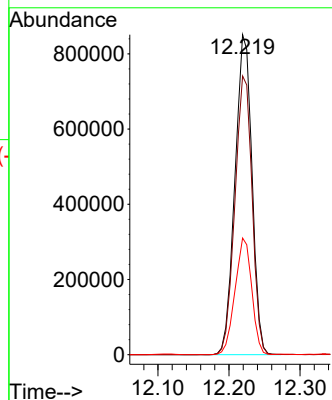
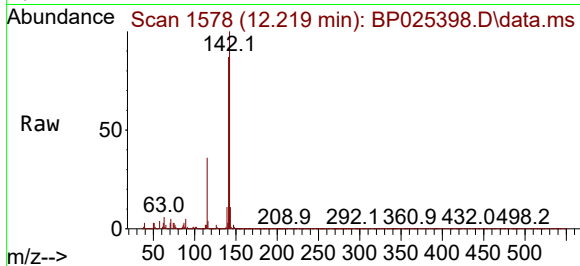




#37
2-Methylnaphthalene
Concen: 60.511 ng
RT: 12.219 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

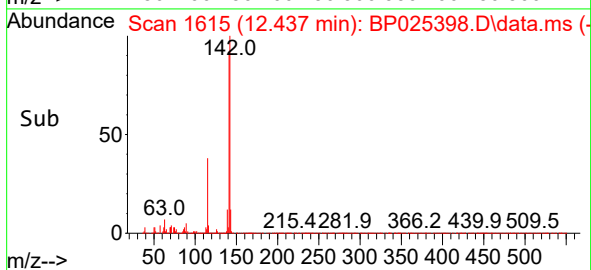
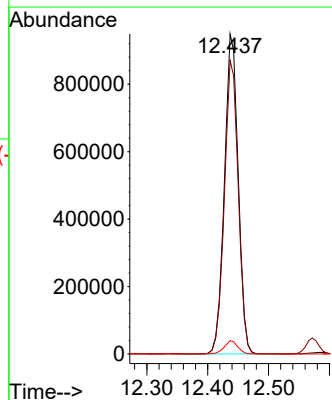
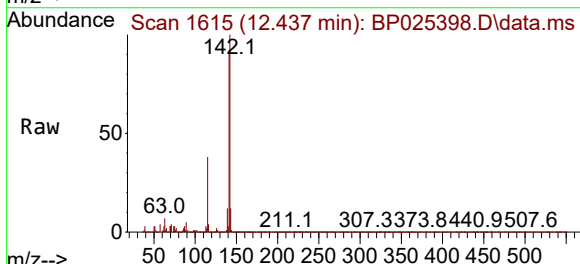
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

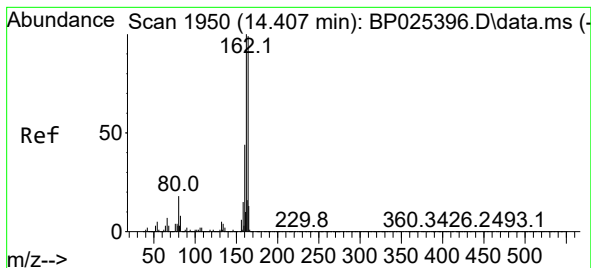
Tgt Ion:142 Resp: 1418882
Ion Ratio Lower Upper
142 100
141 87.1 70.3 105.5
115 36.5 28.9 43.3



#38
1-Methylnaphthalene
Concen: 59.925 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

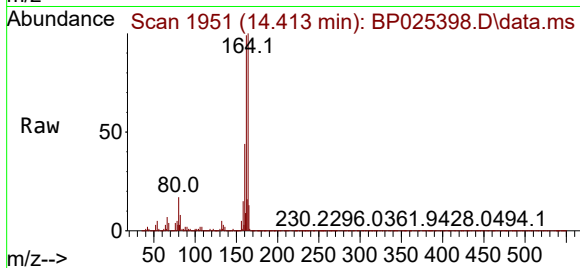
Tgt Ion:142 Resp: 1494304
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7
116 4.1 3.2 4.8



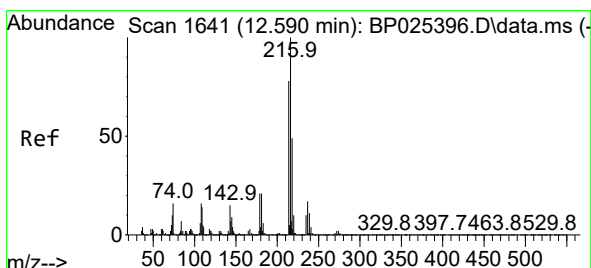
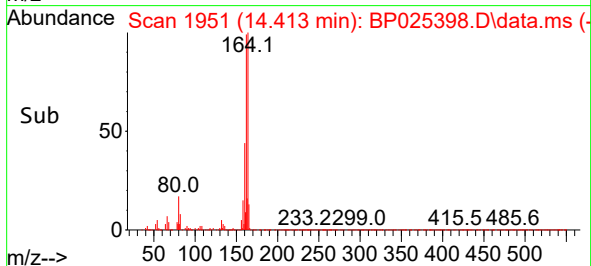
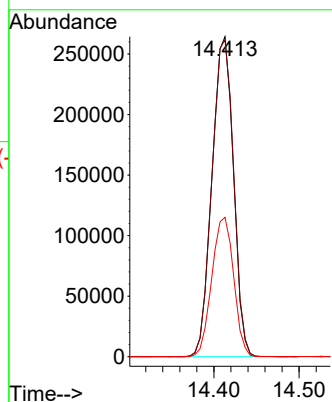


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

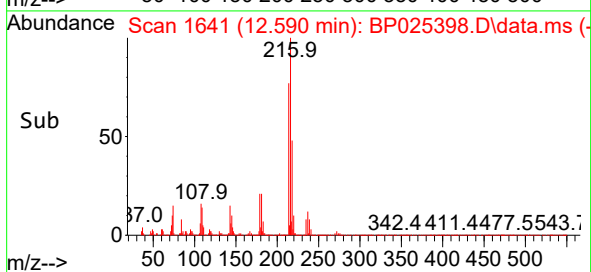
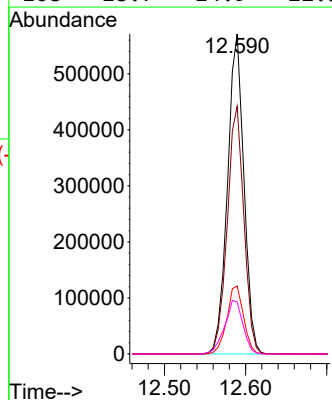
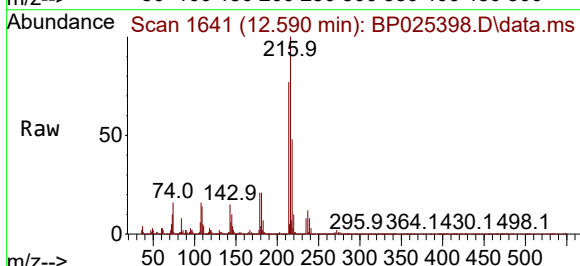


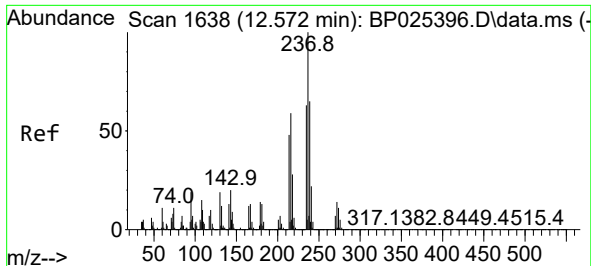
Tgt Ion:164 Resp: 460439
Ion Ratio Lower Upper
164 100
162 99.0 81.0 121.6
160 43.6 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.365 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:216 Resp: 802737
Ion Ratio Lower Upper
216 100
214 78.3 63.0 94.4
179 21.6 17.1 25.7
108 18.7 14.9 22.3

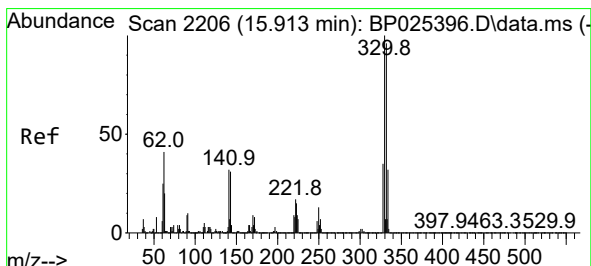
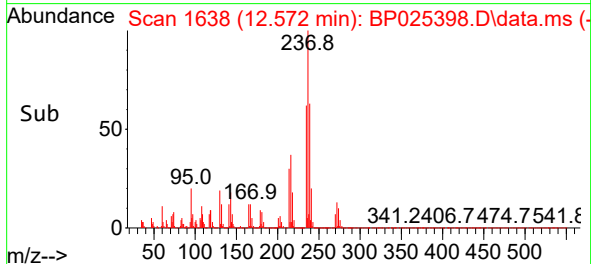
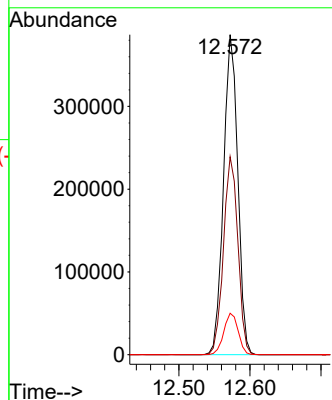
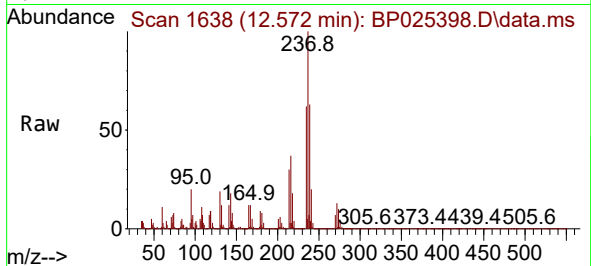




#41
Hexachlorocyclopentadiene
Concen: 66.784 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

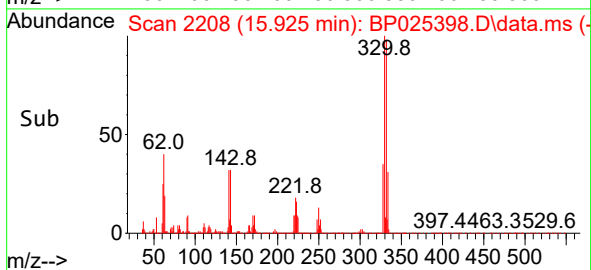
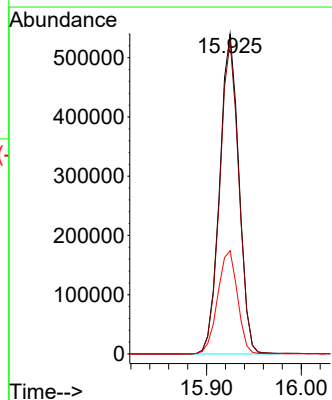
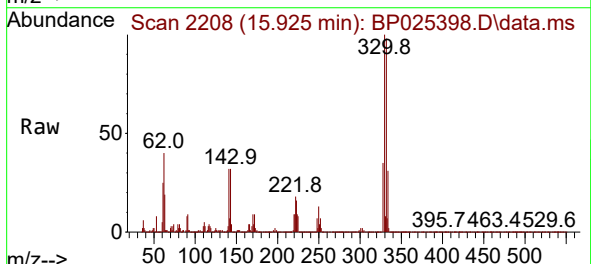
Instrument :
BNA_P
ClientSampleId :
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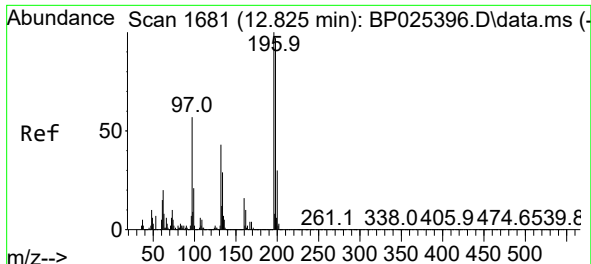
Tgt Ion:237 Resp: 536440
Ion Ratio Lower Upper
237 100
235 61.9 42.7 82.7
272 13.0 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 122.748 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:330 Resp: 760738
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 33.3 26.6 39.8

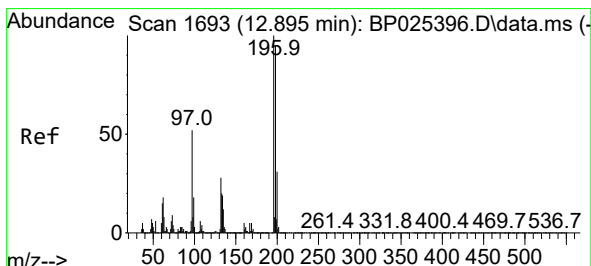
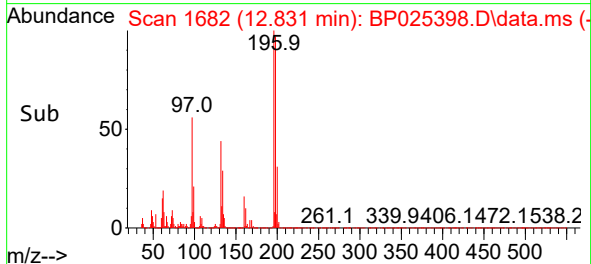
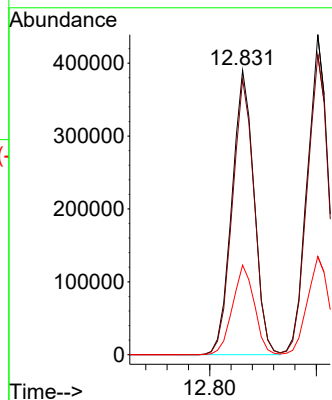
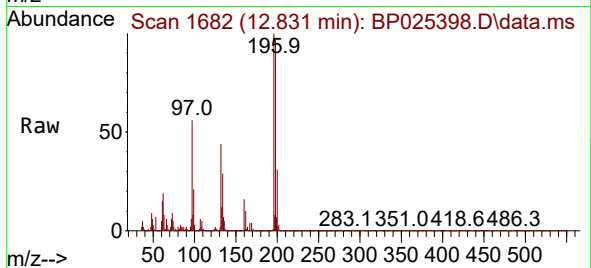




#43
2,4,6-Trichlorophenol
Concen: 62.841 ng
RT: 12.831 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

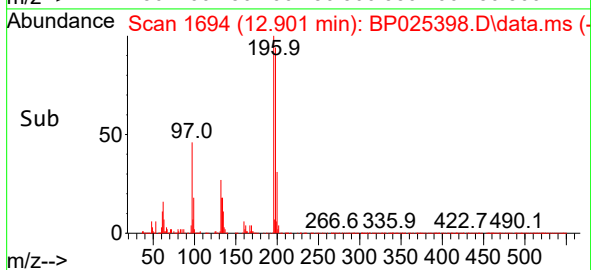
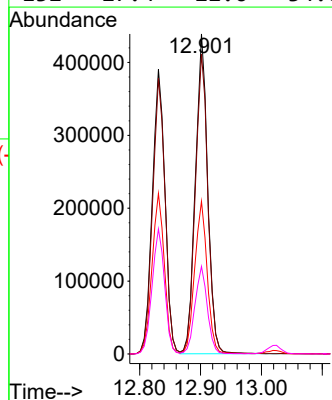
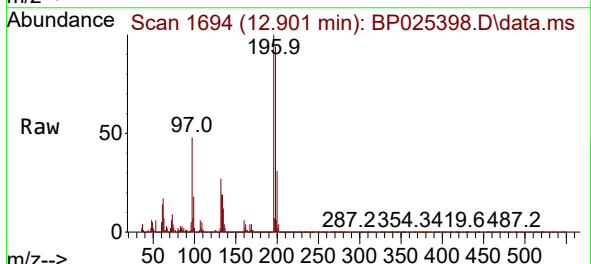
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

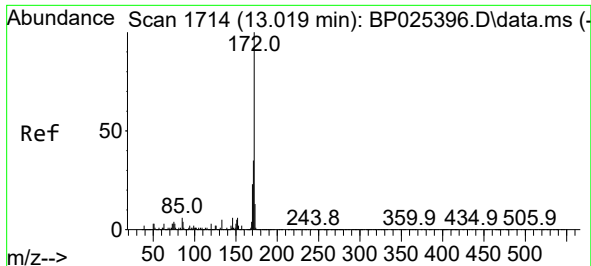
Tgt Ion:196 Resp: 564165
Ion Ratio Lower Upper
196 100
198 96.9 77.2 115.8
200 31.5 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 62.937 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:196 Resp: 619246
Ion Ratio Lower Upper
196 100
198 93.8 76.2 114.2
97 47.7 41.2 61.8
132 27.4 22.6 34.0

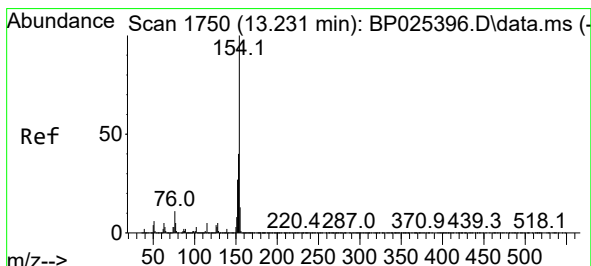
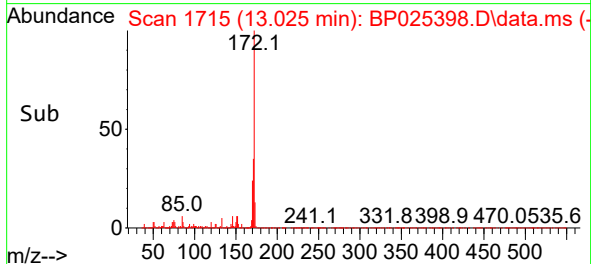
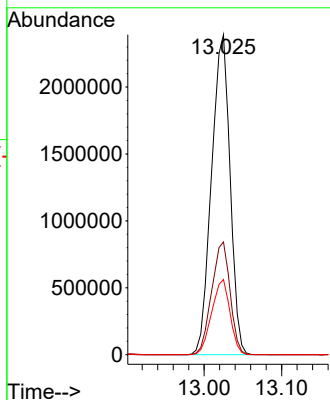
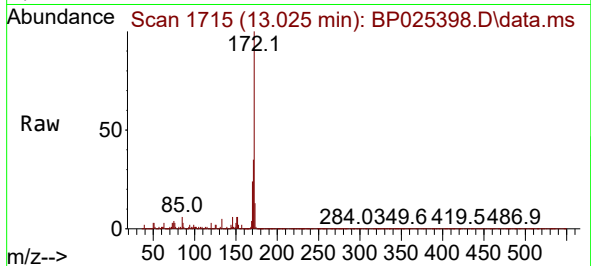




#45
2-Fluorobiphenyl
Concen: 117.656 ng
RT: 13.025 min Scan# 1715
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

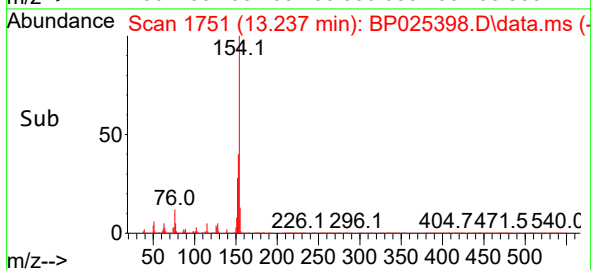
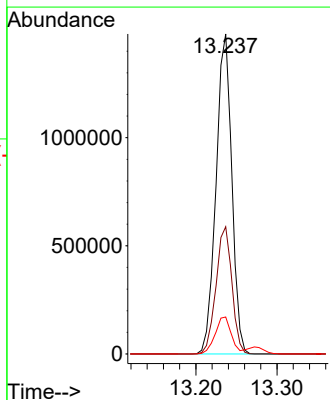
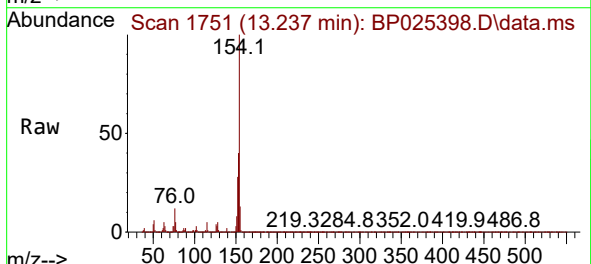
Instrument :
BNA_P
ClientSampleId :
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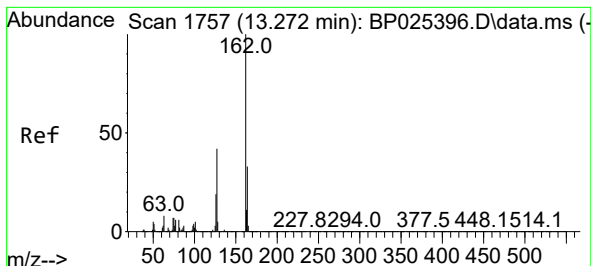
Tgt Ion:172 Resp: 3963871
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 59.695 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:154 Resp: 1996186
Ion Ratio Lower Upper
154 100
153 39.8 19.5 59.5
76 11.6 0.0 31.1

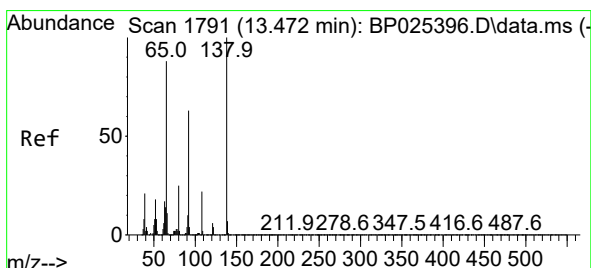
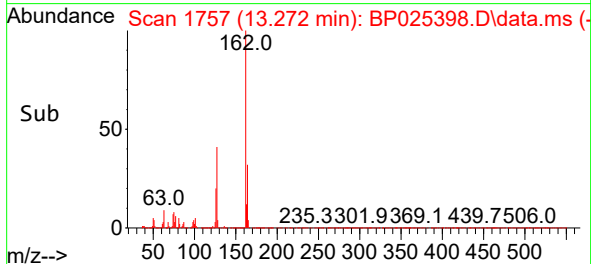
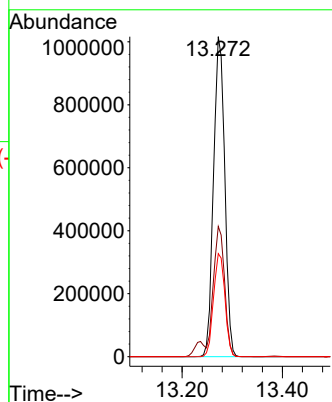
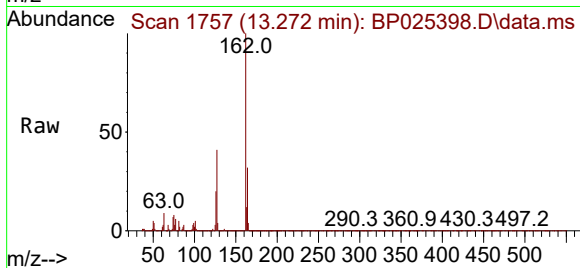




#47
2-Chloronaphthalene
Concen: 60.600 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

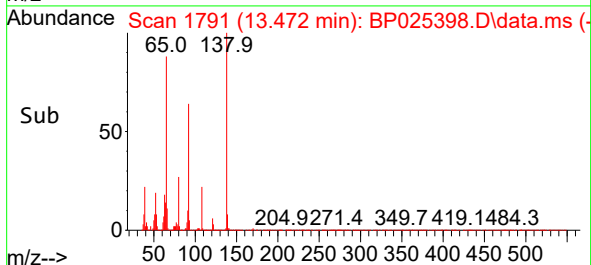
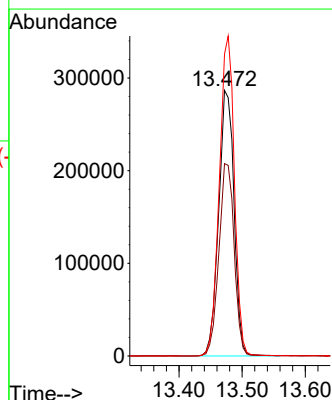
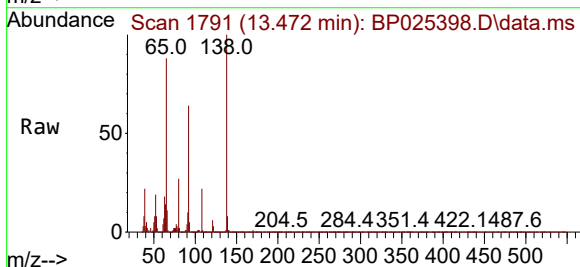
Instrument :
BNA_P
ClientSampleId :
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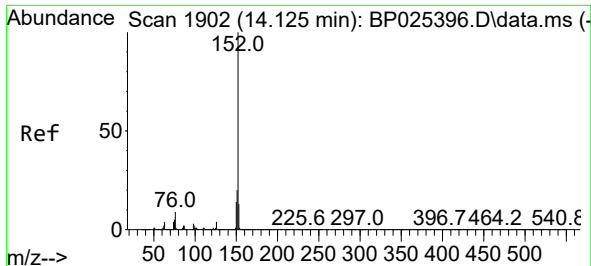
Tgt Ion:162 Resp: 1577577
Ion Ratio Lower Upper
162 100
127 40.7 33.4 50.2
164 32.2 26.2 39.2



#48
2-Nitroaniline
Concen: 63.996 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 65 Resp: 485429
Ion Ratio Lower Upper
65 100
92 72.4 57.6 86.4
138 113.7 91.0 136.6

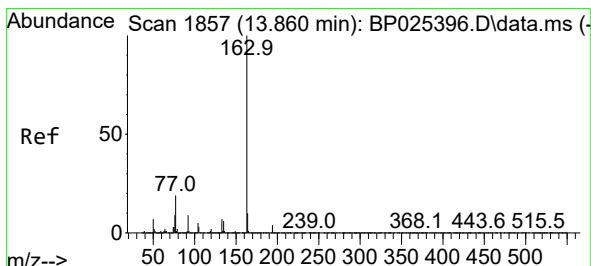
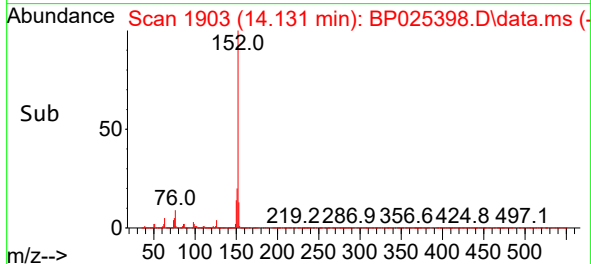
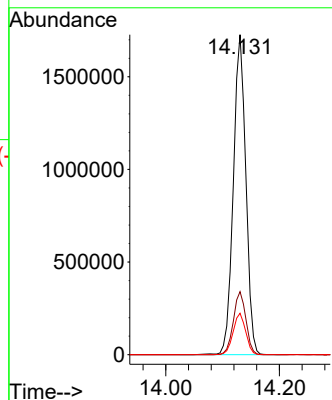
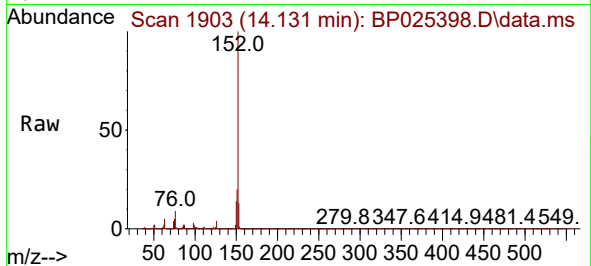




#49
Acenaphthylene
Concen: 61.147 ng
RT: 14.131 min Scan# 1903
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

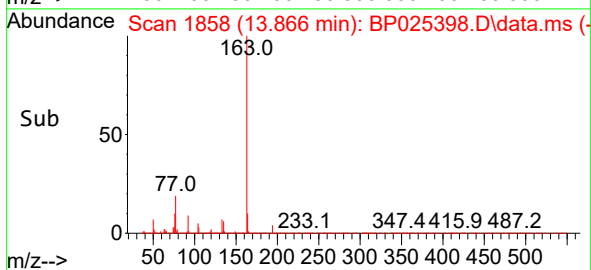
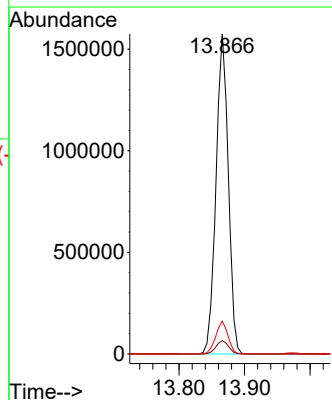
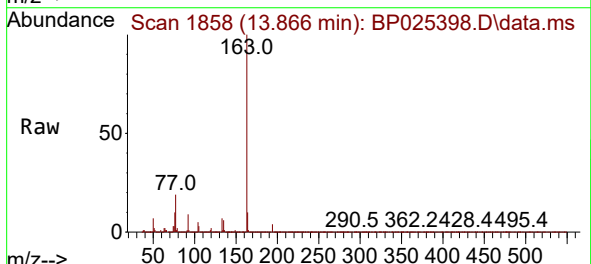
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

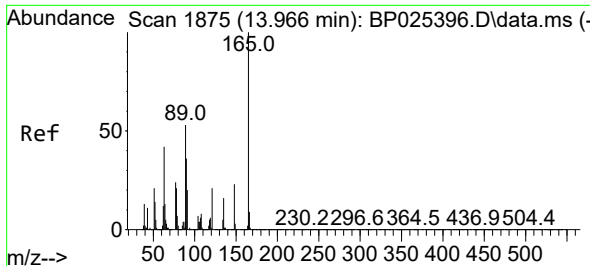
Tgt Ion:152 Resp: 2634005
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 13.0 10.6 15.8



#50
Dimethylphthalate
Concen: 60.572 ng
RT: 13.866 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:163 Resp: 2042324
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.3 7.9 11.9

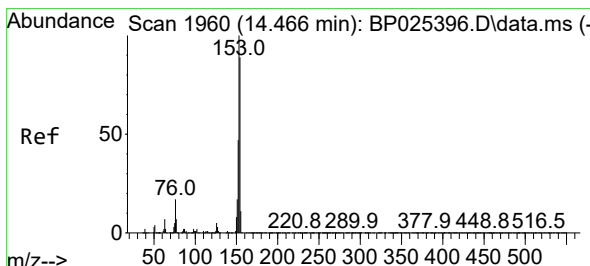
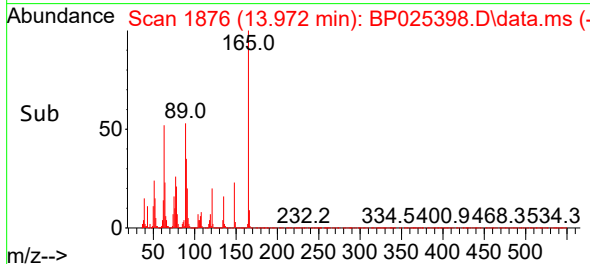
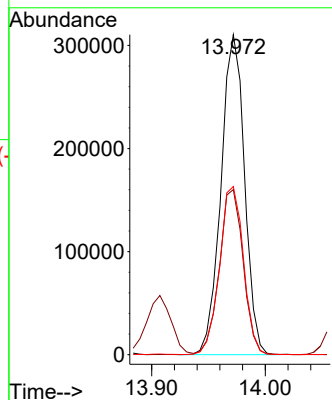
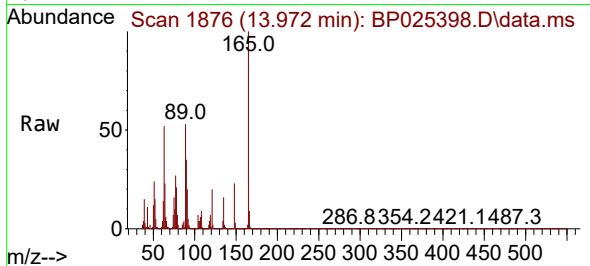




#51
2,6-Dinitrotoluene
Concen: 62.831 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

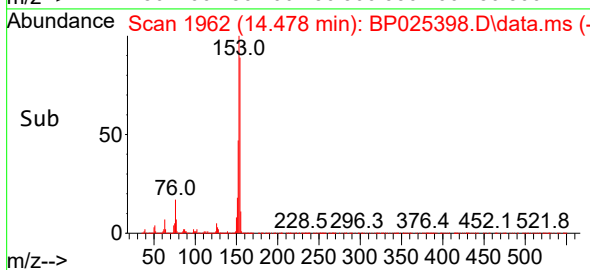
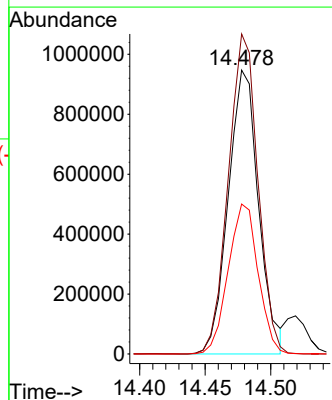
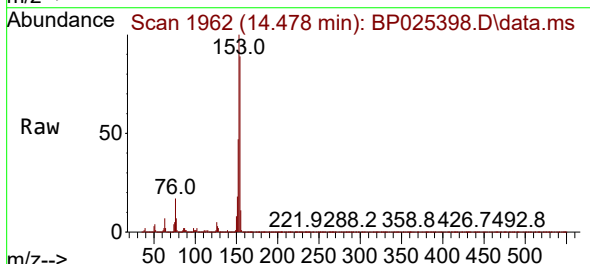
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

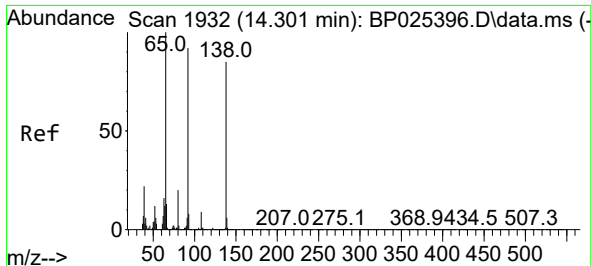
Tgt Ion:165 Resp: 446520
Ion Ratio Lower Upper
165 100
63 51.6 40.9 61.3
89 52.5 42.1 63.1



#52
Acenaphthene
Concen: 60.399 ng
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:154 Resp: 1527191
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.2
152 52.8 42.1 63.1

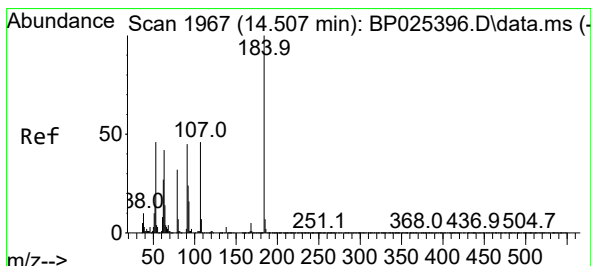
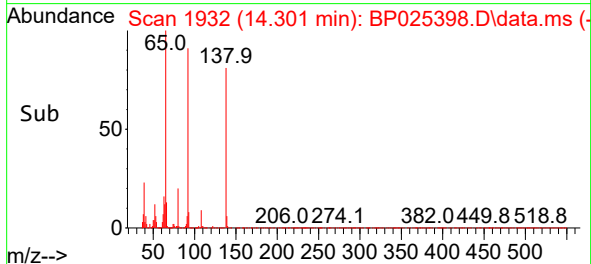
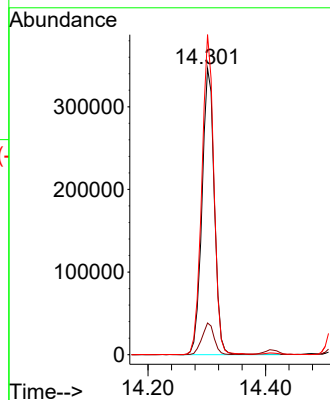
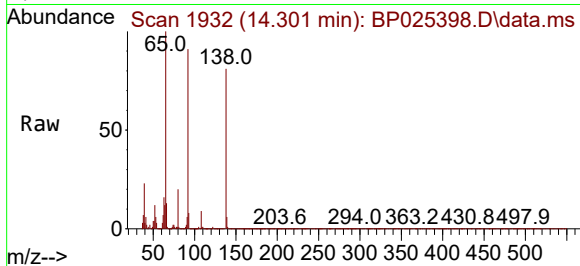




#53
3-Nitroaniline
Concen: 63.331 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

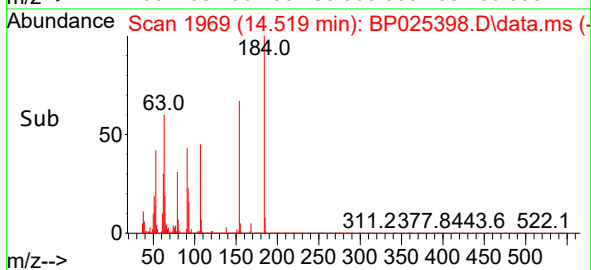
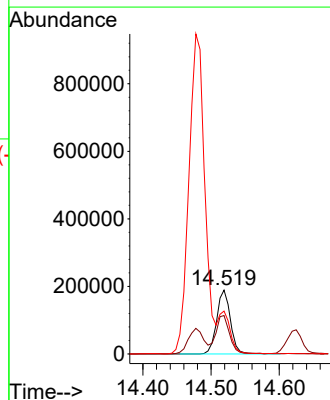
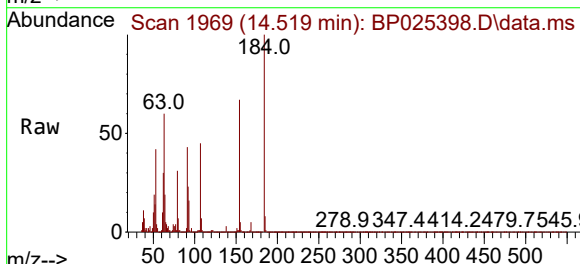
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

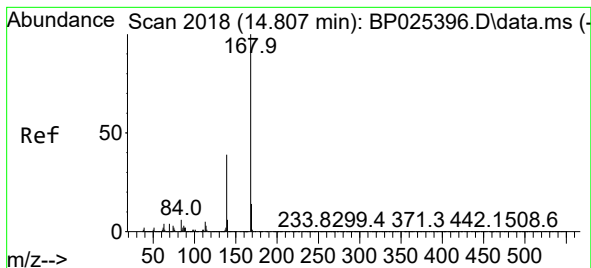
Tgt Ion:138 Resp: 506373
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 111.9 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 69.849 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:184 Resp: 265089
Ion Ratio Lower Upper
184 100
63 60.1 49.4 74.2
154 67.3 54.6 82.0

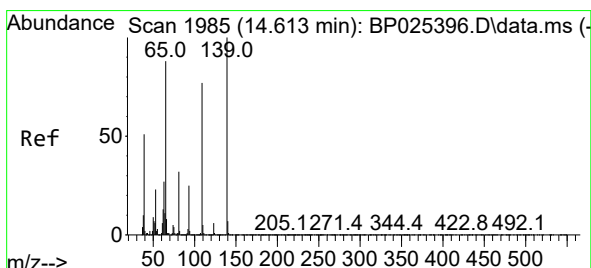
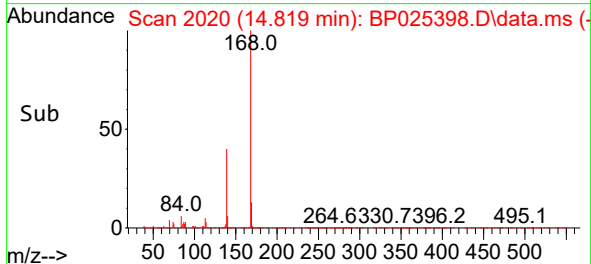
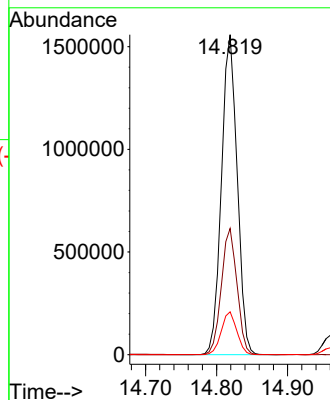
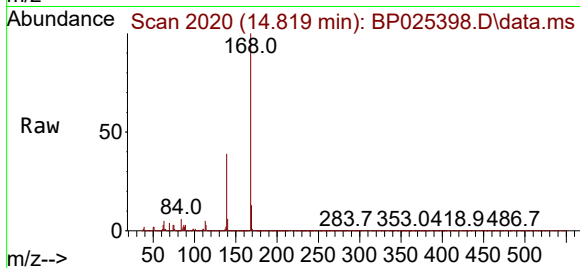




#55
Dibenzenofuran
Concen: 59.734 ng
RT: 14.819 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

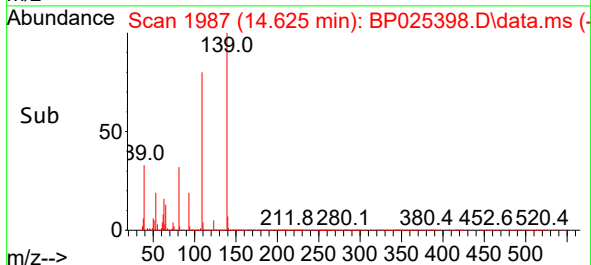
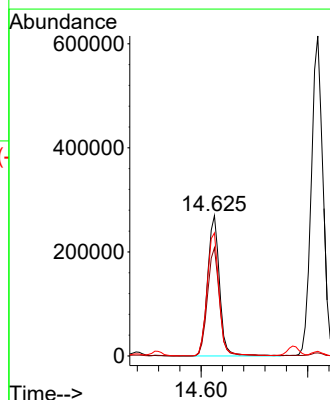
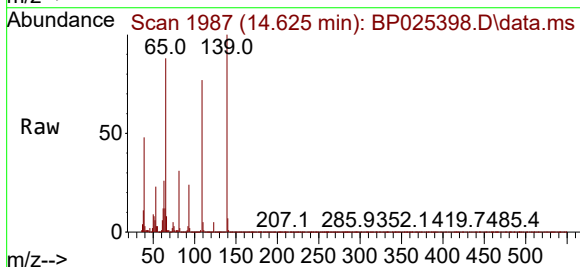
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

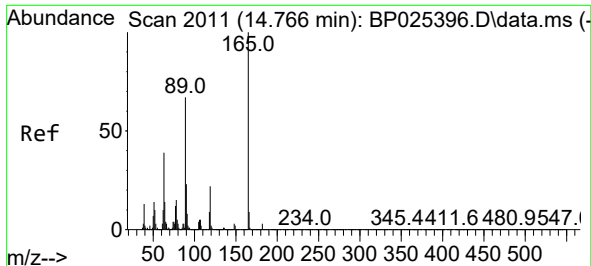
Tgt Ion:168 Resp: 2387933
Ion Ratio Lower Upper
168 100
139 39.5 31.5 47.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 63.893 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:139 Resp: 419801
Ion Ratio Lower Upper
139 100
109 77.0 56.6 96.6
65 87.6 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 64.112 ng

RT: 14.778 min Scan# 2013

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:165 Resp: 650054

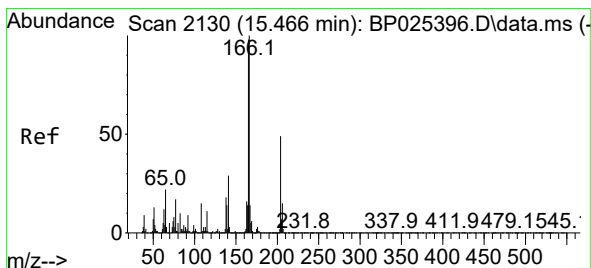
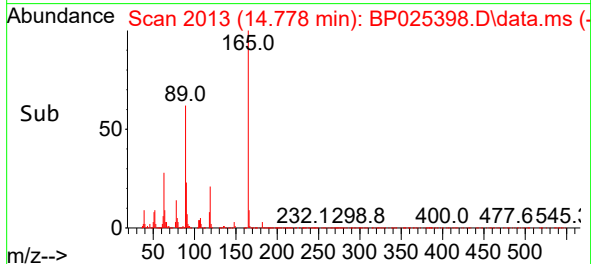
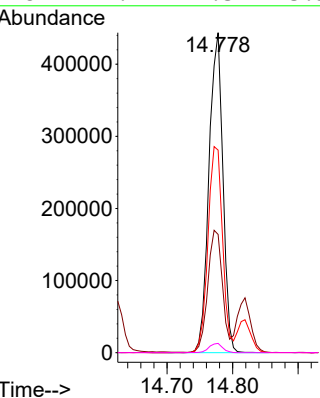
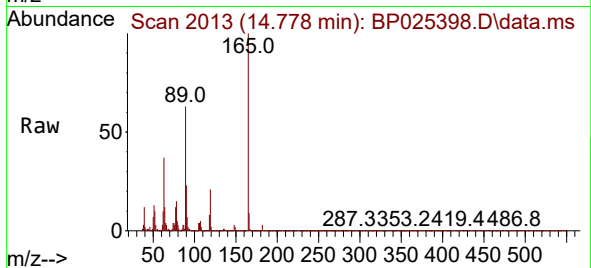
Ion Ratio Lower Upper

165 100

63 37.0 31.4 47.2

89 63.3 53.3 79.9

182 2.9 2.3 3.5



#58

Fluorene

Concen: 58.236 ng

RT: 15.478 min Scan# 2132

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

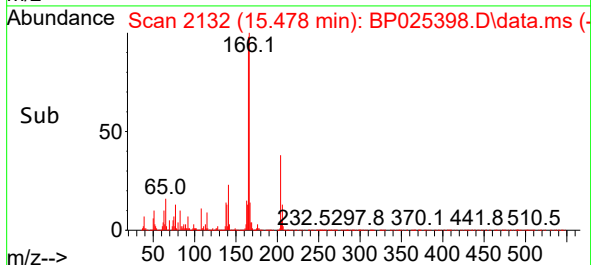
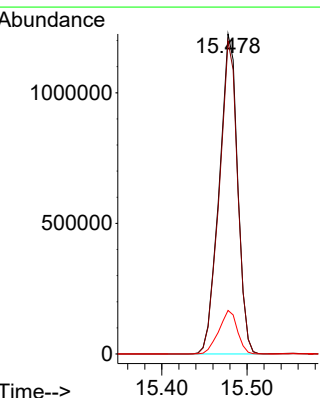
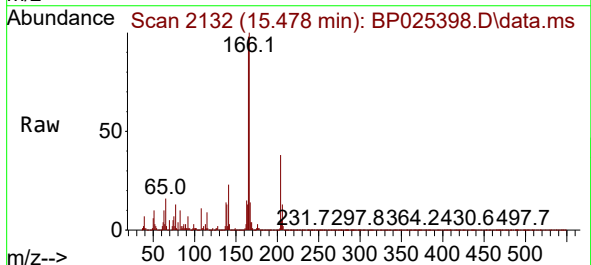
Tgt Ion:166 Resp: 1836972

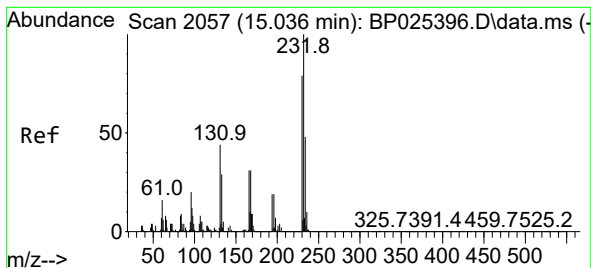
Ion Ratio Lower Upper

166 100

165 97.8 78.8 118.2

167 13.6 11.0 16.4

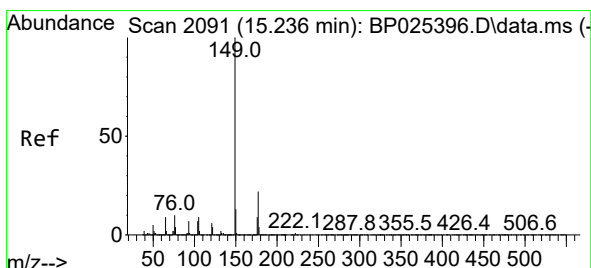
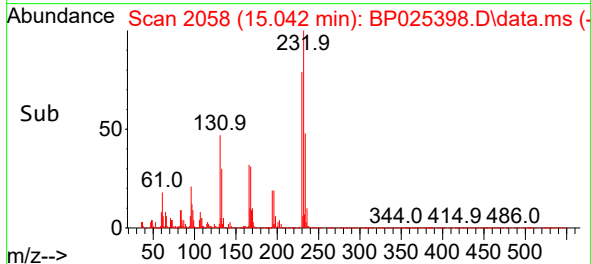
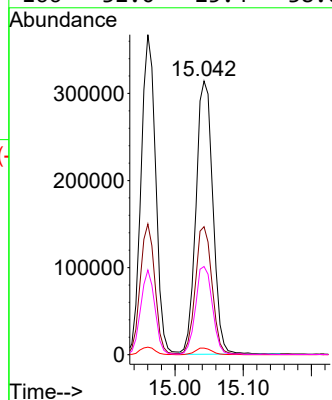
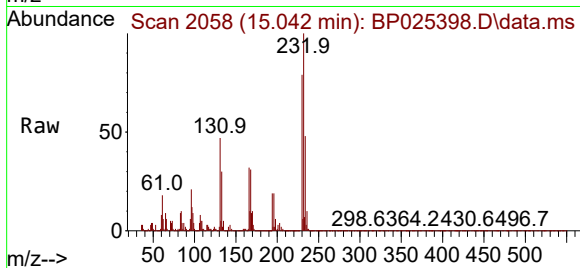




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.307 ng
RT: 15.042 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

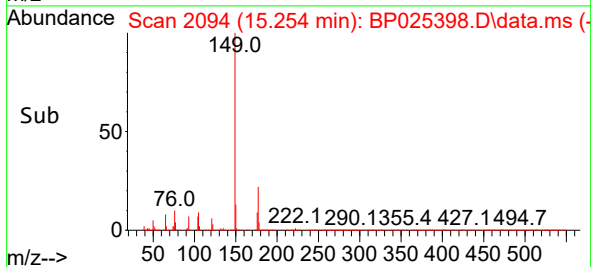
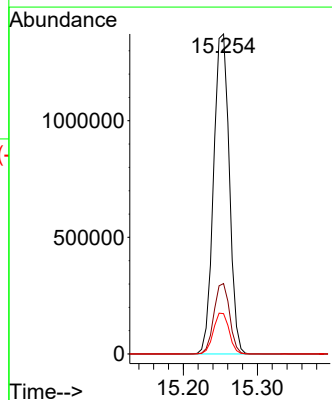
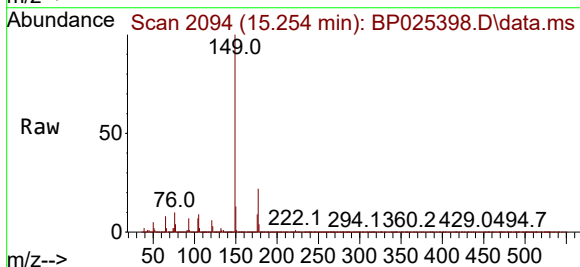
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

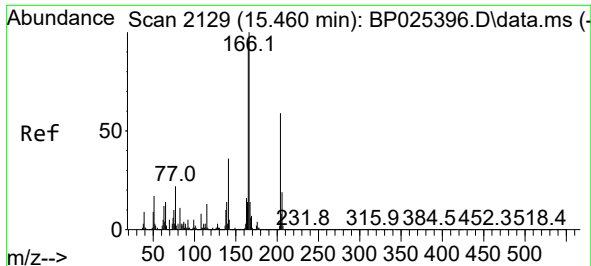
Tgt Ion:232	Resp:	541317
Ion Ratio	Lower	Upper
232	100	
131	46.2	37.0 55.6
130	2.4	1.9 2.9
166	32.0	25.4 38.0



#60
Diethylphthalate
Concen: 58.840 ng
RT: 15.254 min Scan# 2094
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149	Resp:	2015888
Ion Ratio	Lower	Upper
149	100	
177	22.0	17.3 25.9
150	12.6	10.3 15.5

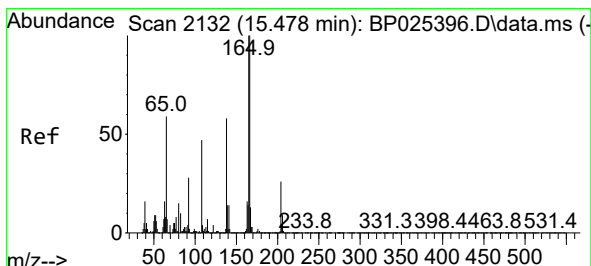
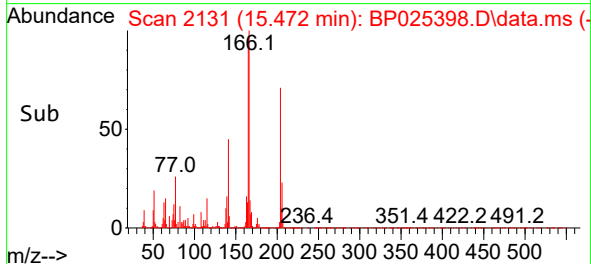
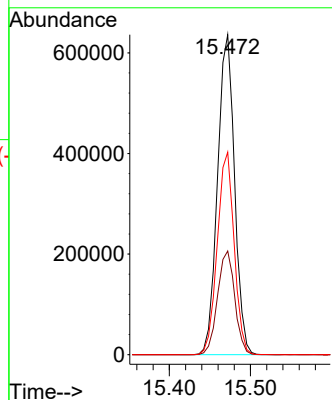
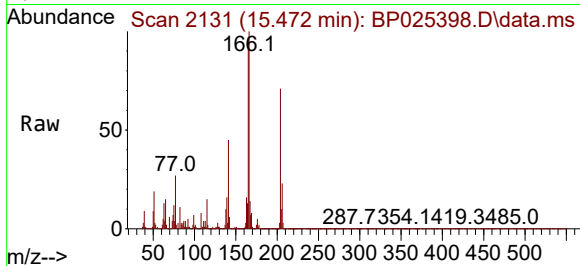




#61
4-Chlorophenyl-phenylether
Concen: 59.044 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

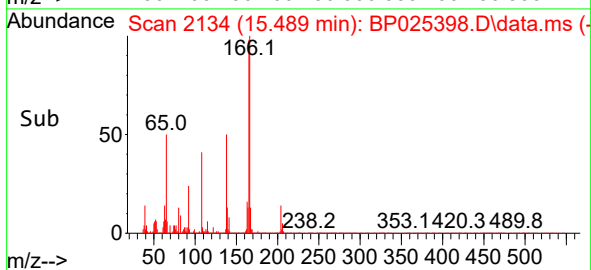
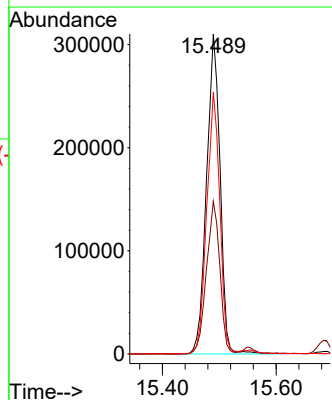
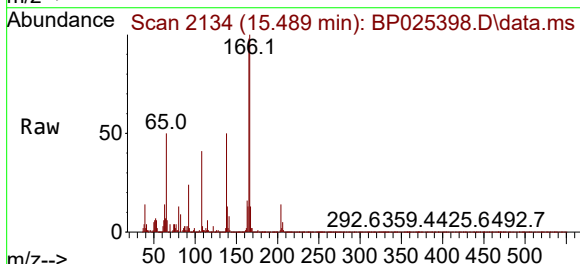
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

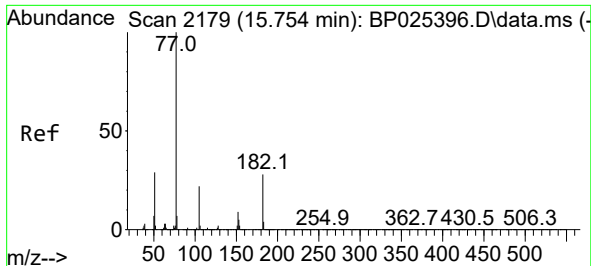
Tgt Ion:204 Resp: 926280
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 63.3 49.4 74.2



#62
4-Nitroaniline
Concen: 62.272 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:138 Resp: 510438
Ion Ratio Lower Upper
138 100
92 47.7 29.1 69.1
108 81.8 61.5 101.5



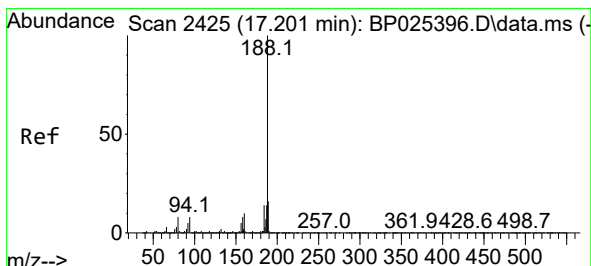
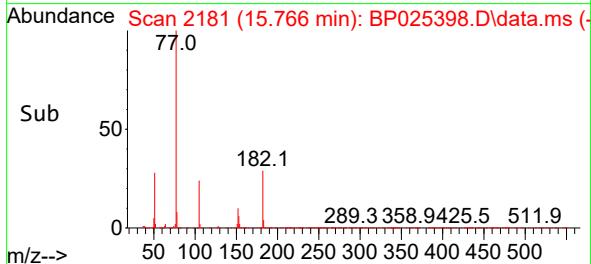
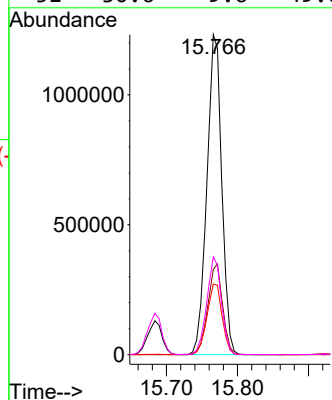
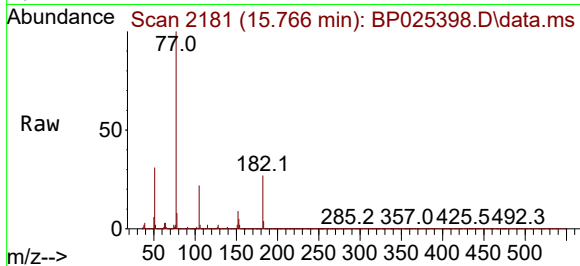


#63
Azobenzene
Concen: 61.242 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1796580

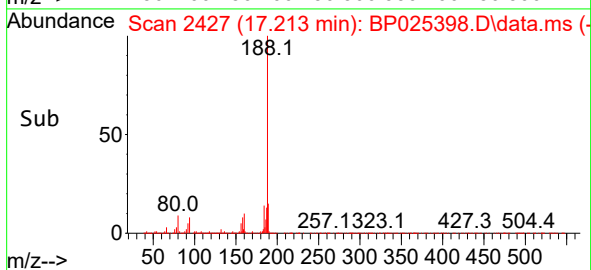
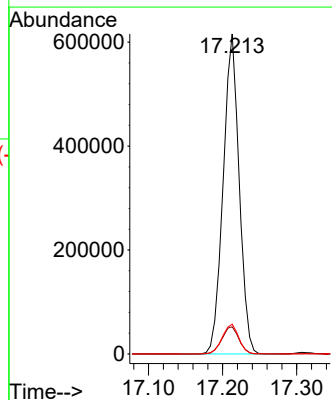
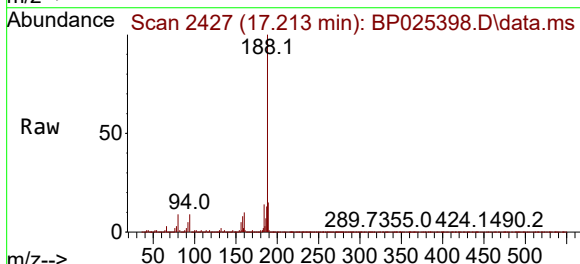
Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.5	47.5
105	22.1	2.1	42.1
51	30.6	9.6	49.6

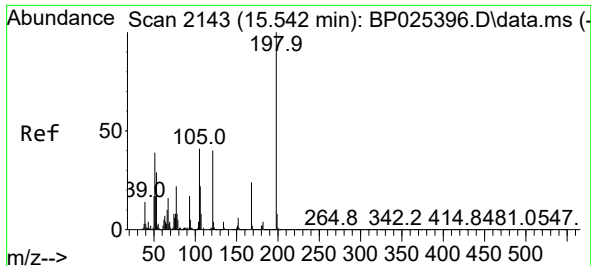


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 188 Resp: 923402

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1

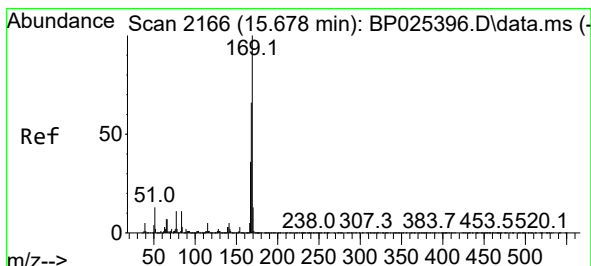
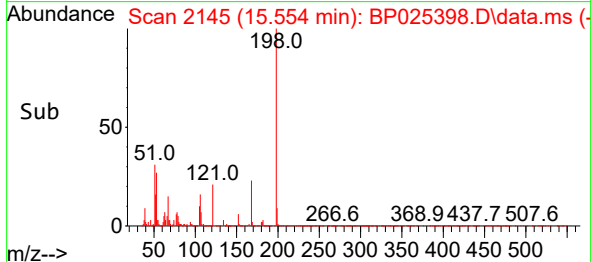
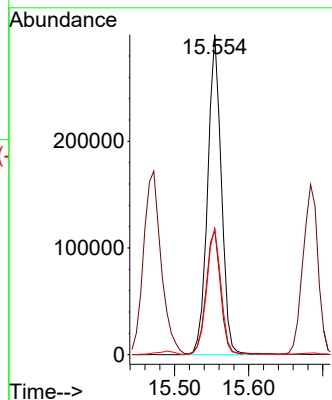
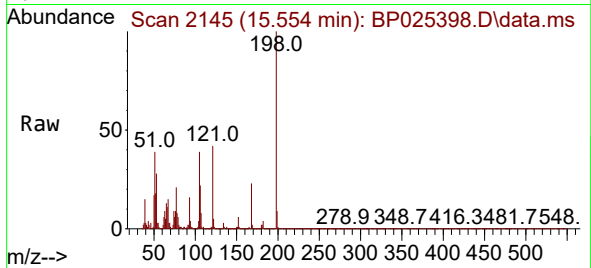




#65
4,6-Dinitro-2-methylphenol
Concen: 67.038 ng
RT: 15.554 min Scan# 2145
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

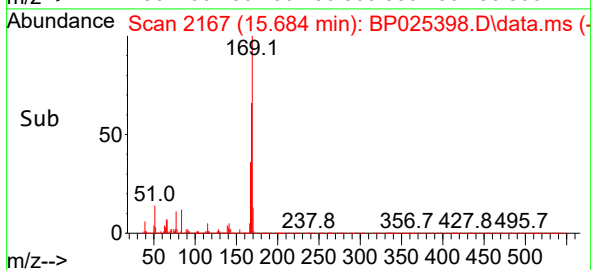
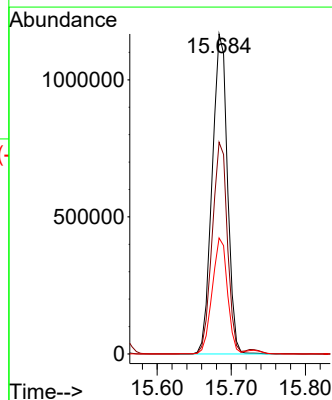
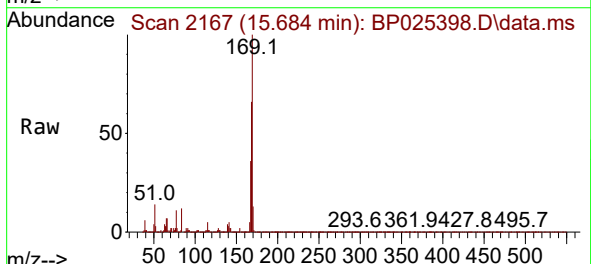
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

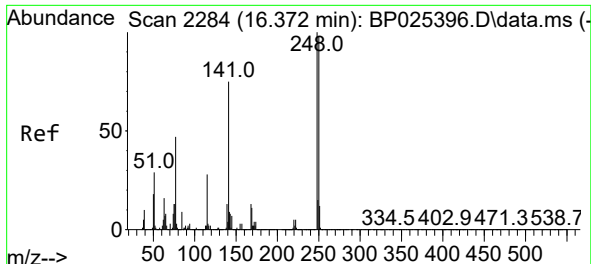
Tgt Ion:198 Resp: 385873
Ion Ratio Lower Upper
198 100
51 38.9 19.6 59.6
105 39.4 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 59.478 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:169 Resp: 1674806
Ion Ratio Lower Upper
169 100
168 66.1 53.2 79.8
167 36.3 28.7 43.1

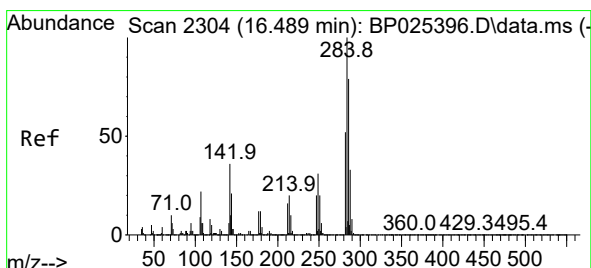
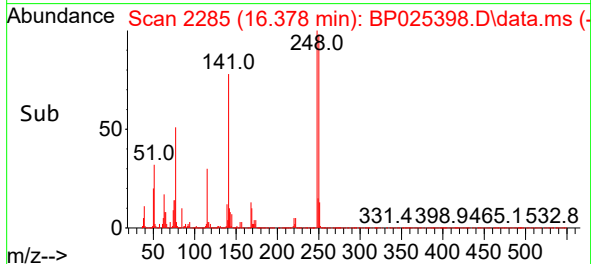
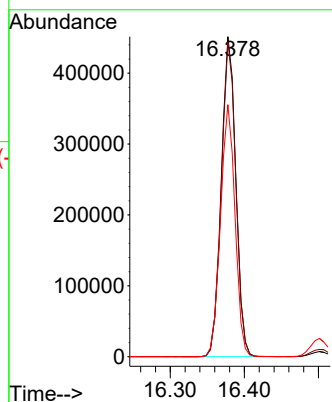
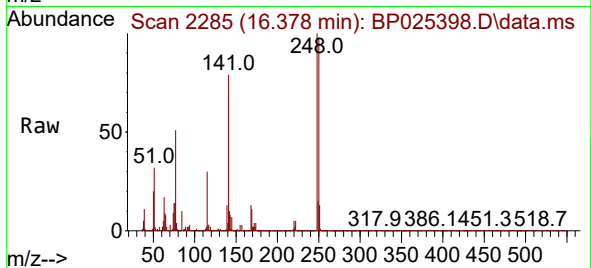




#67
4-Bromophenyl-phenylether
Concen: 60.731 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

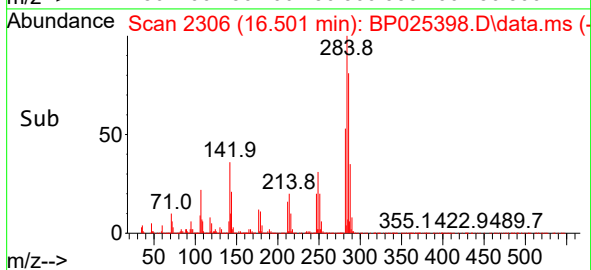
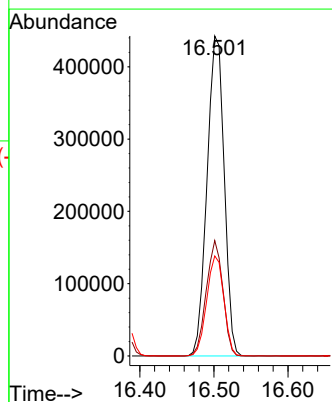
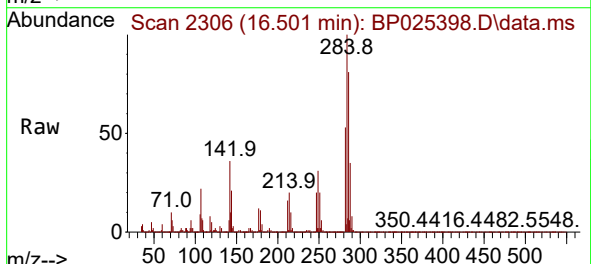
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

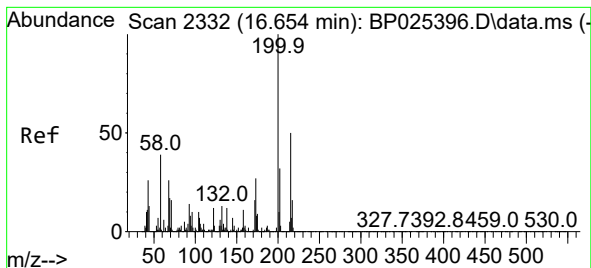
Tgt Ion:248 Resp: 616767
Ion Ratio Lower Upper
248 100
250 98.4 78.2 117.2
141 78.7 59.6 89.4



#68
Hexachlorobenzene
Concen: 60.461 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:284 Resp: 711778
Ion Ratio Lower Upper
284 100
142 36.1 29.1 43.7
249 31.3 25.0 37.4





#69

Atrazine

Concen: 60.063 ng

RT: 16.666 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

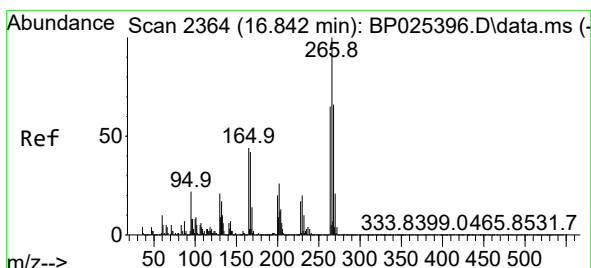
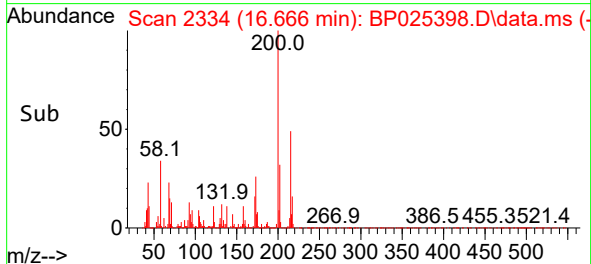
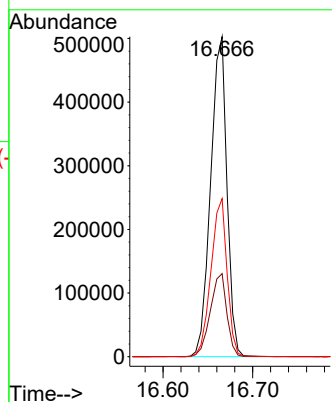
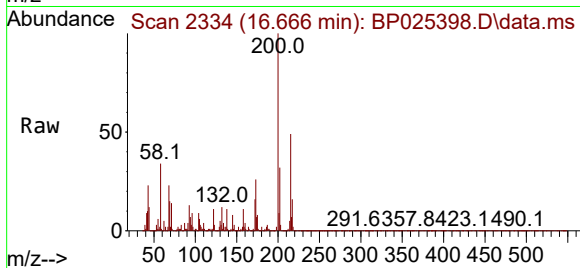
Tgt Ion:200 Resp: 633381

Ion Ratio Lower Upper

200 100

173 26.0 6.7 46.7

215 49.4 29.7 69.7



#70

Pentachlorophenol

Concen: 63.820 ng

RT: 16.854 min Scan# 2366

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

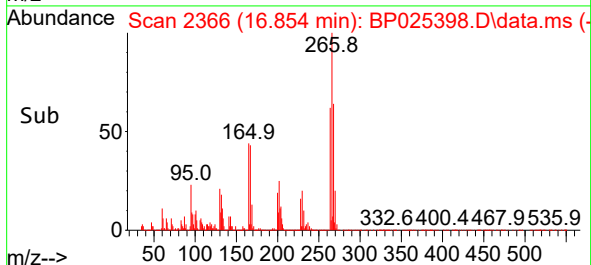
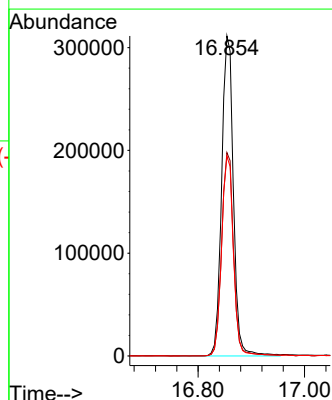
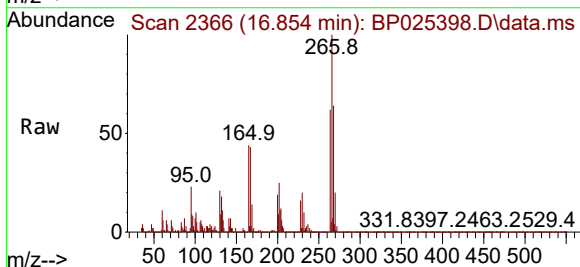
Tgt Ion:266 Resp: 474276

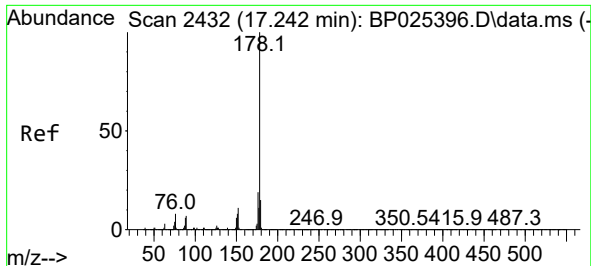
Ion Ratio Lower Upper

266 100

268 63.5 52.6 79.0

264 62.4 52.0 78.0

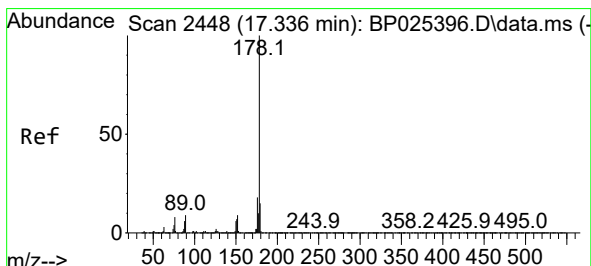
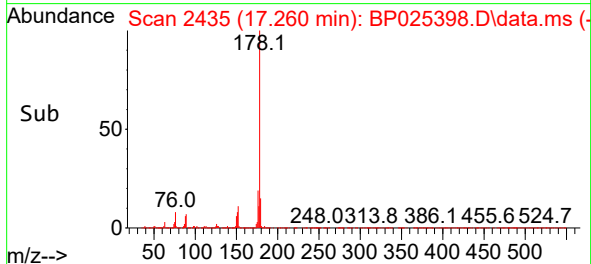
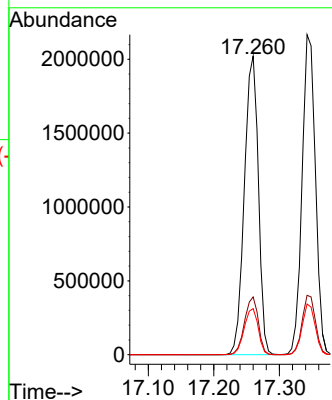
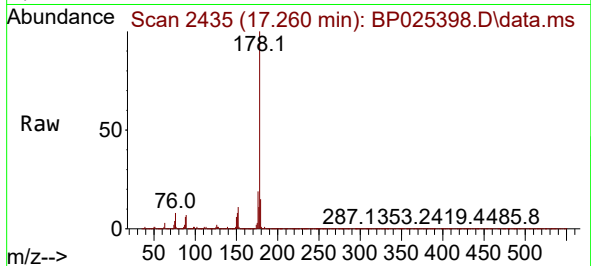




#71
Phenanthrene
Concen: 59.263 ng
RT: 17.260 min Scan# 2435
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

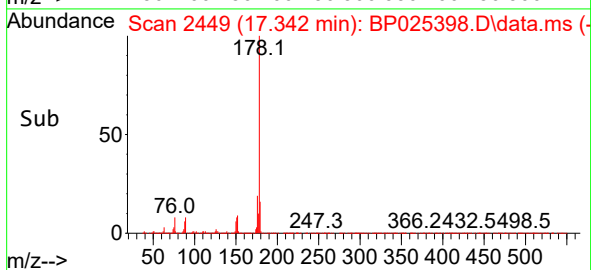
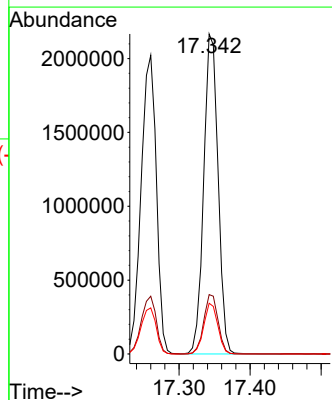
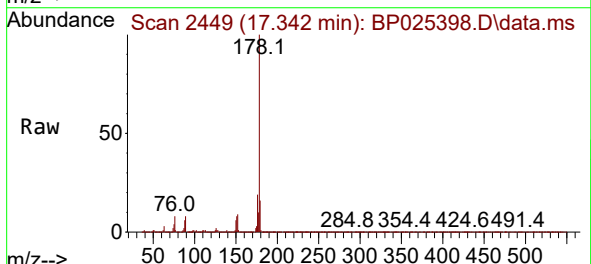
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

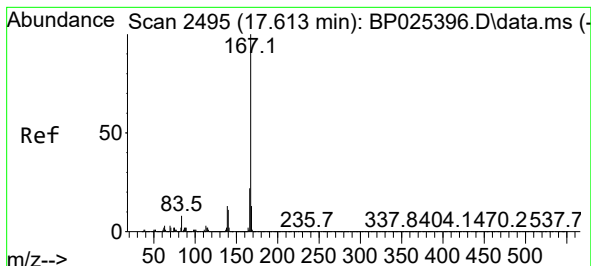
Tgt Ion:178 Resp: 3006132
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.4 12.2 18.4



#72
Anthracene
Concen: 58.895 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:178 Resp: 3050794
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.9 12.2 18.2





#73

Carbazole

Concen: 59.776 ng

RT: 17.625 min Scan# 2495

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

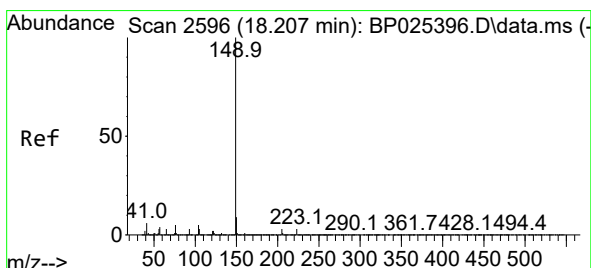
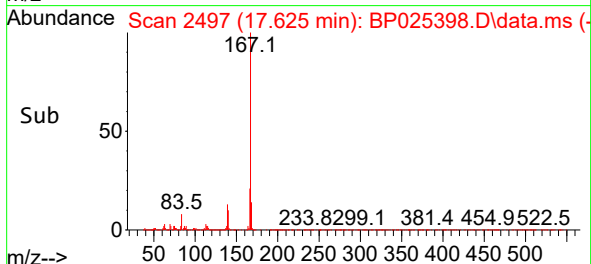
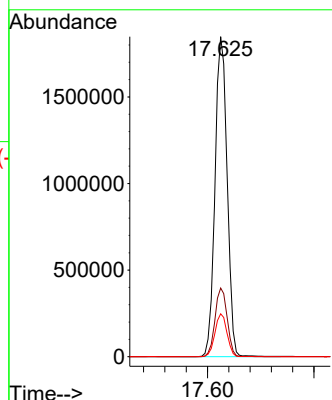
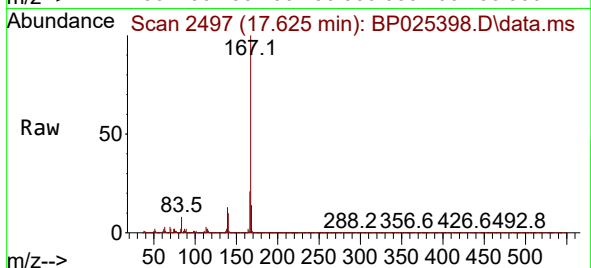
Tgt Ion:167 Resp: 2916606

Ion Ratio Lower Upper

167 100

166 21.4 17.5 26.3

139 13.4 10.6 16.0



#74

Di-n-butylphthalate

Concen: 59.310 ng

RT: 18.219 min Scan# 2598

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

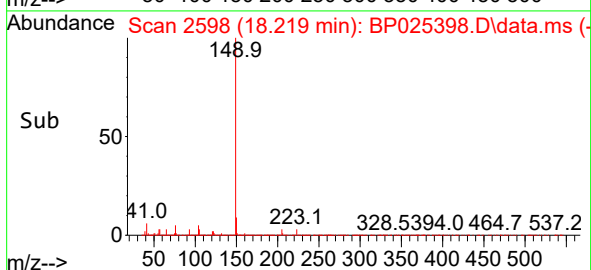
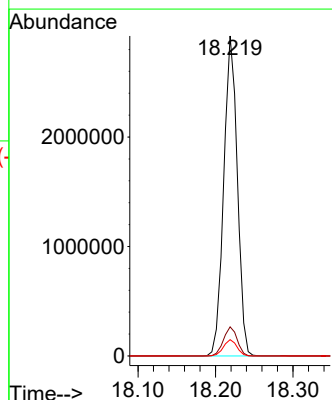
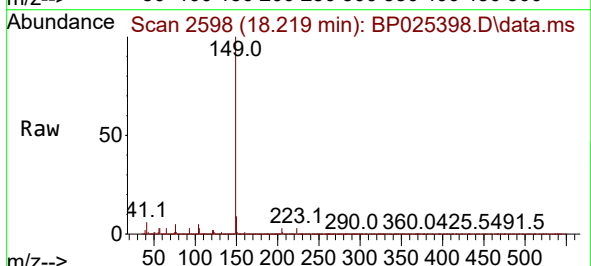
Tgt Ion:149 Resp: 3560427

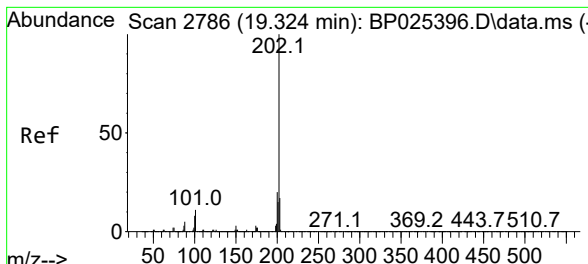
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.1 4.2 6.2



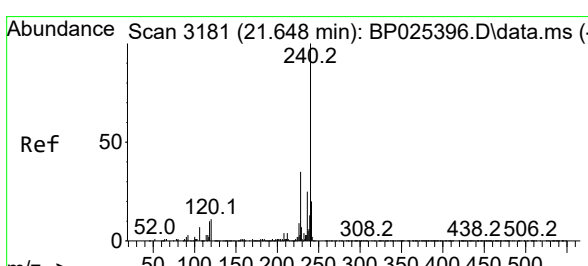
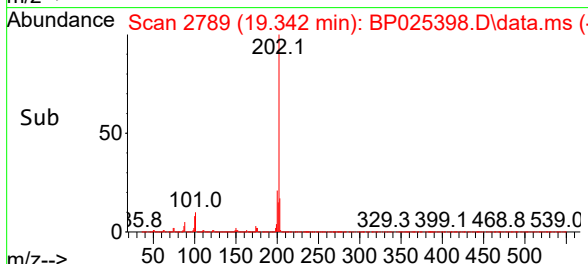
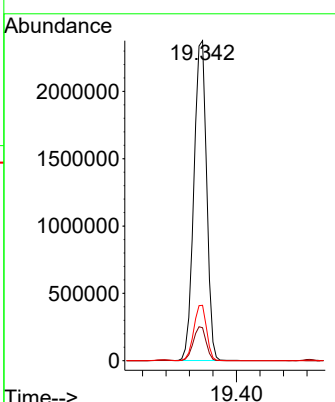
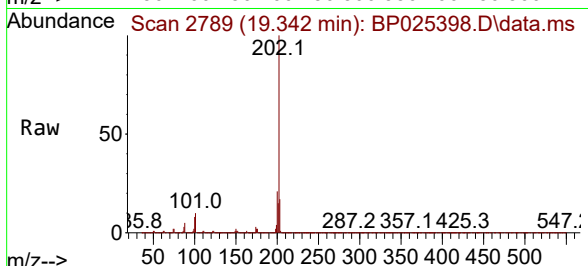


#75
 Fluoranthene
 Concen: 58.899 ng
 RT: 19.342 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BP025398.D
 Acq: 14 Aug 2025 16:42

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Tgt Ion: 202 Resp: 3563798

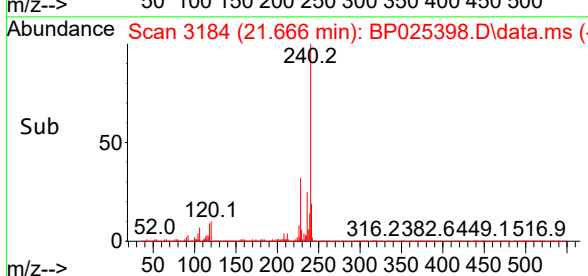
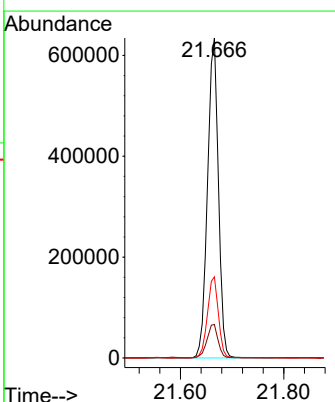
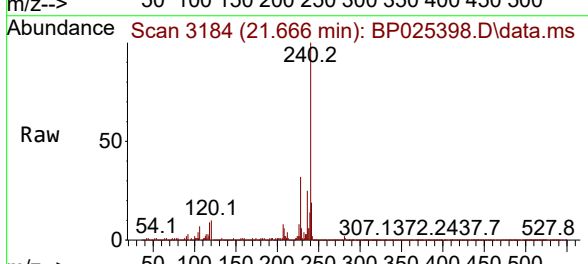
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.3	0.0	37.3

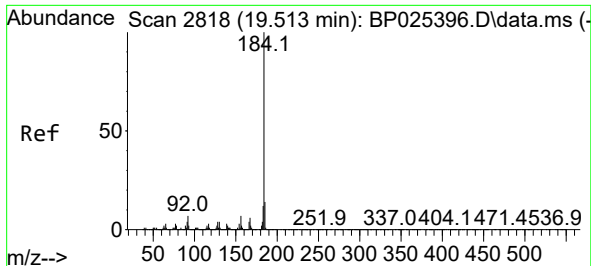


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.666 min Scan# 3184
 Delta R.T. 0.018 min
 Lab File: BP025398.D
 Acq: 14 Aug 2025 16:42

Tgt Ion: 240 Resp: 926019

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.3	19.8	29.8

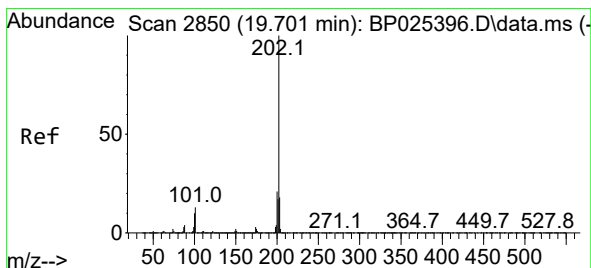
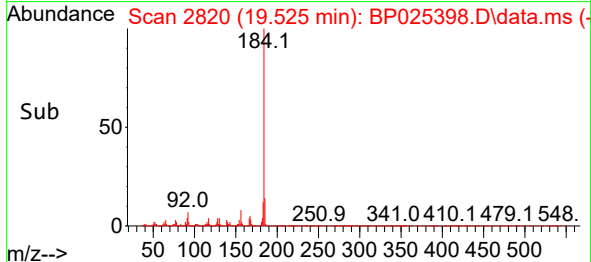
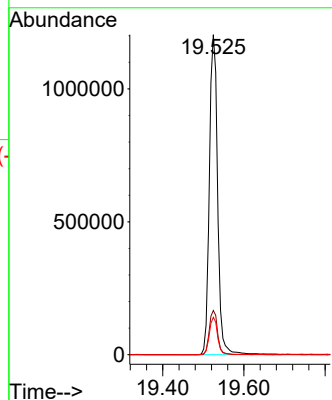
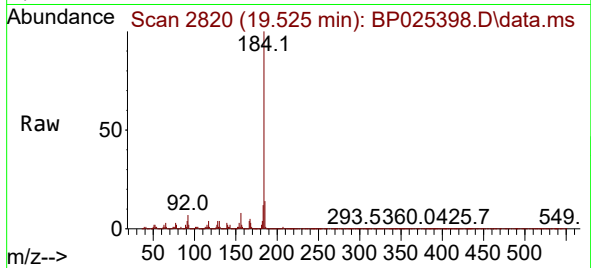




#77
Benzidine
Concen: 53.489 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

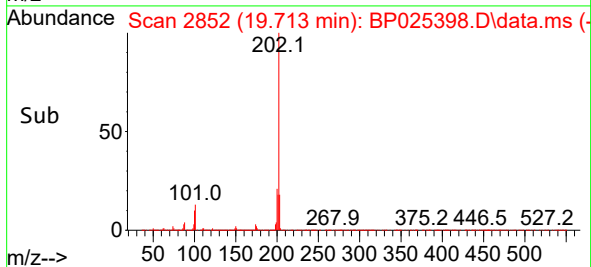
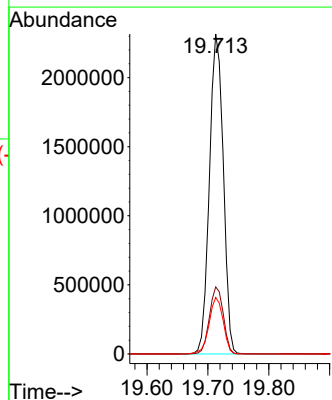
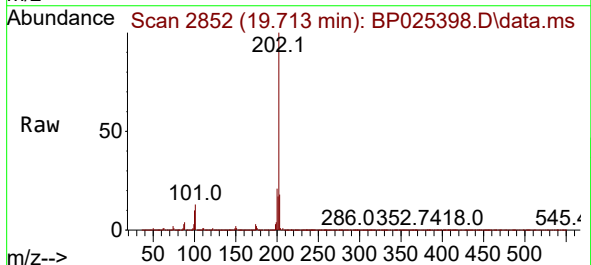
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

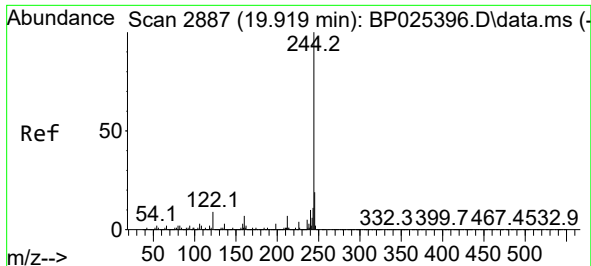
Tgt Ion:184 Resp: 1690432
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 11.7 9.4 14.2



#78
Pyrene
Concen: 60.883 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:202 Resp: 3664453
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.7 14.2 21.2

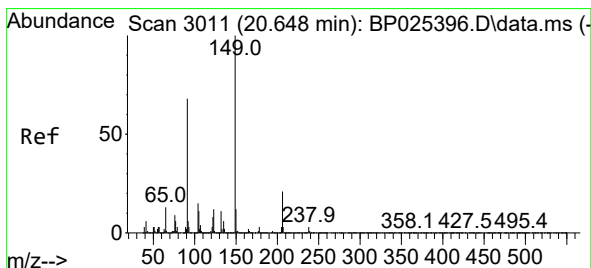
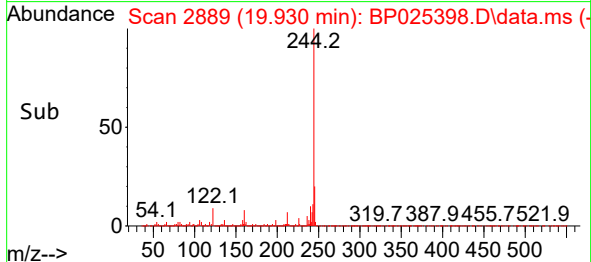
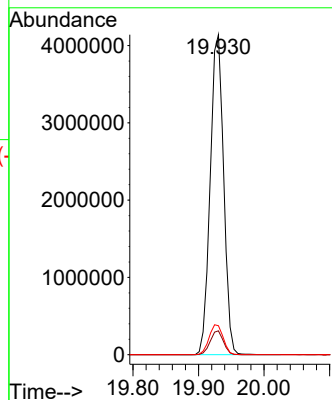
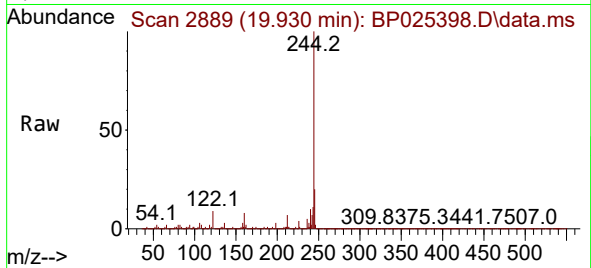




#79
Terphenyl-d14
Concen: 116.490 ng
RT: 19.930 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

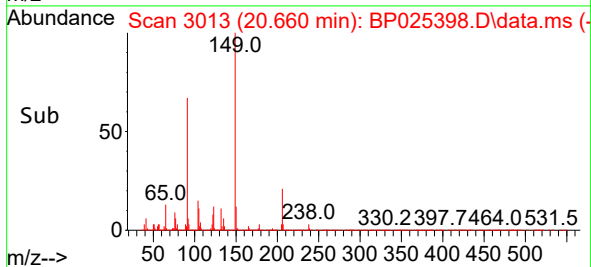
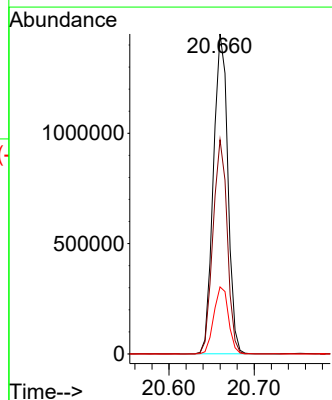
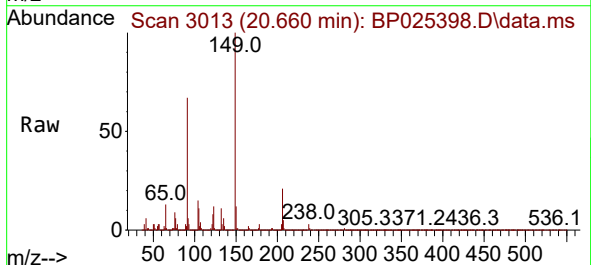
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

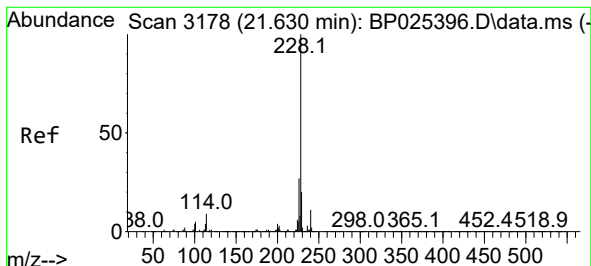
Tgt Ion:244 Resp: 5896004
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 9.0 7.4 11.2



#80
Butylbenzylphthalate
Concen: 62.697 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 1710246
Ion Ratio Lower Upper
149 100
91 66.9 54.2 81.2
206 20.9 16.6 24.8





#81

Benzo(a)anthracene

Concen: 60.619 ng

RT: 21.648 min Scan# 3181

Delta R.T. 0.018 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

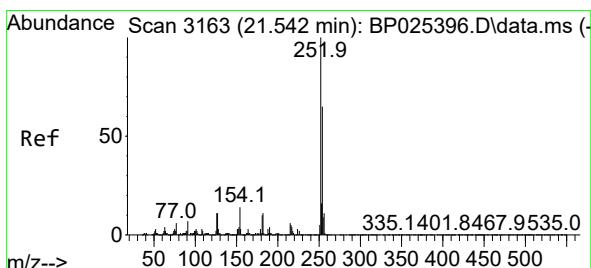
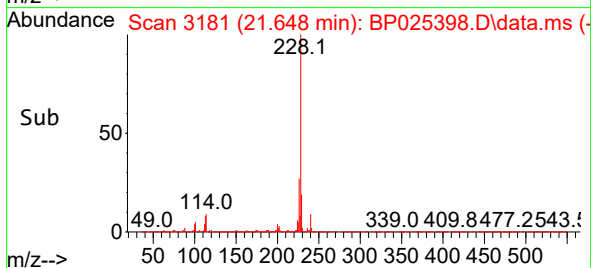
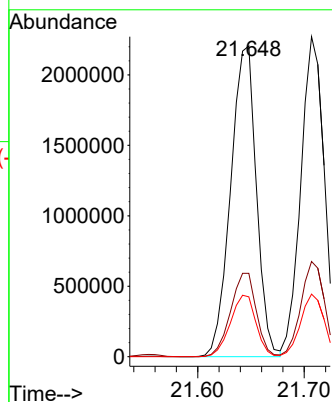
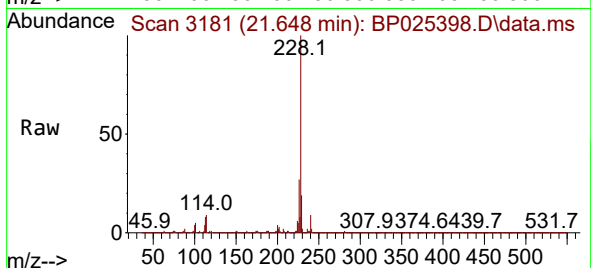
Tgt Ion:228 Resp: 3702064

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 19.2 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 61.062 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

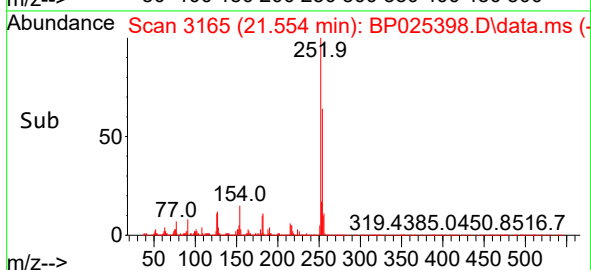
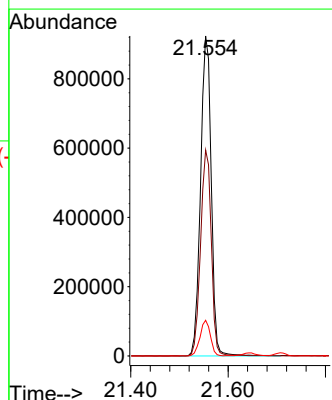
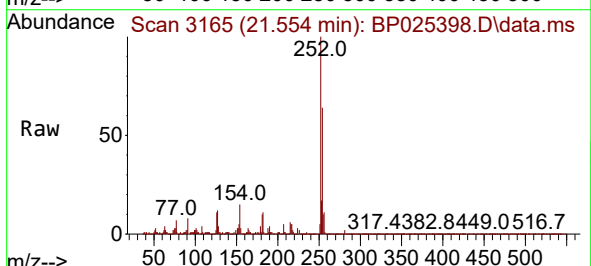
Tgt Ion:252 Resp: 1405597

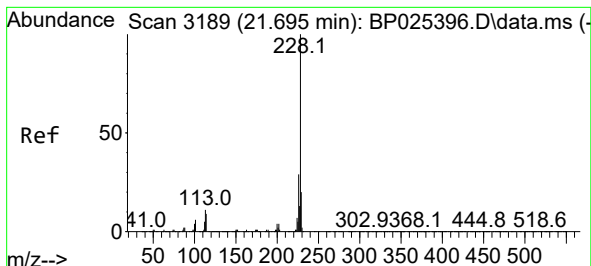
Ion Ratio Lower Upper

252 100

254 64.4 51.8 77.6

126 11.2 9.1 13.7





#83

Chrysene

Concen: 60.387 ng

RT: 21.707 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

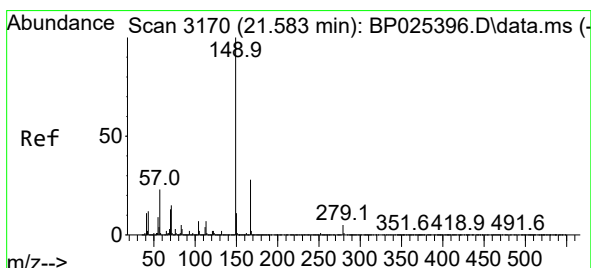
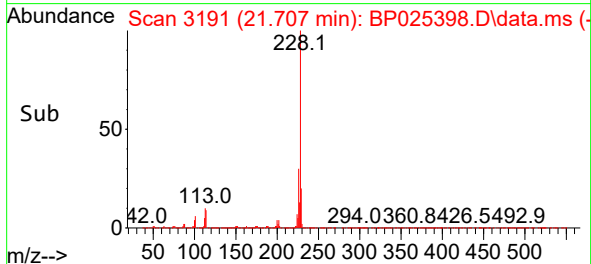
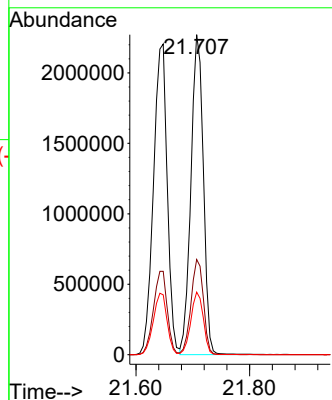
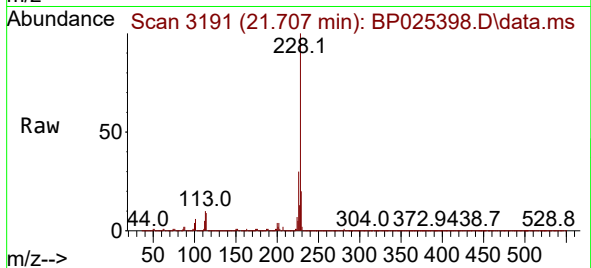
Tgt Ion:228 Resp: 3453736

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.038 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

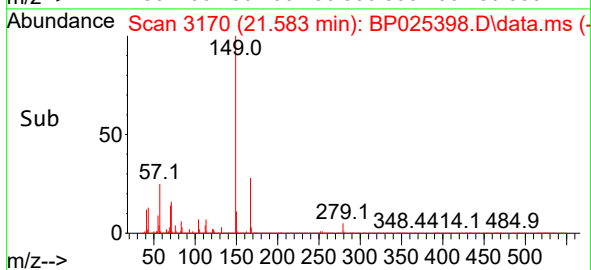
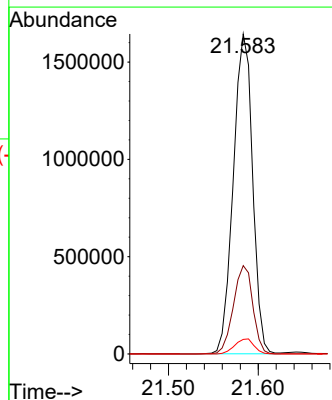
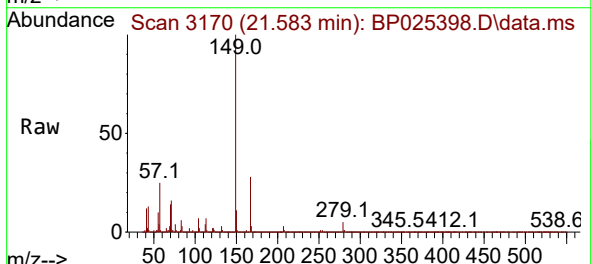
Tgt Ion:149 Resp: 2450963

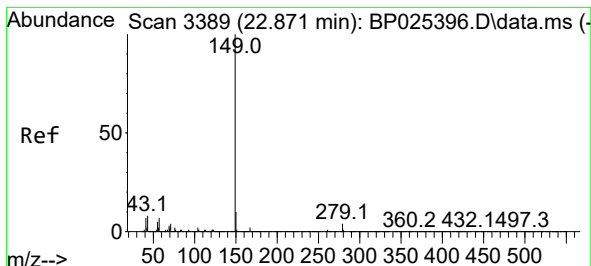
Ion Ratio Lower Upper

149 100

167 27.6 22.1 33.1

279 4.6 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 62.869 ng

RT: 22.883 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

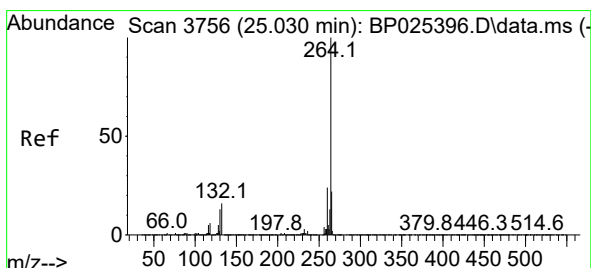
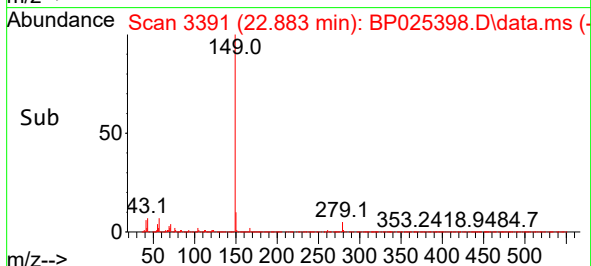
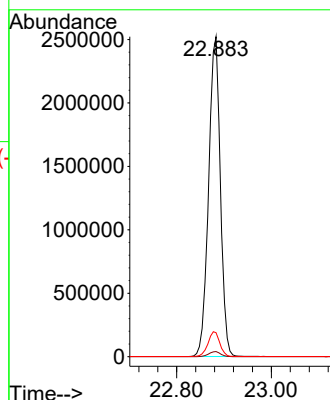
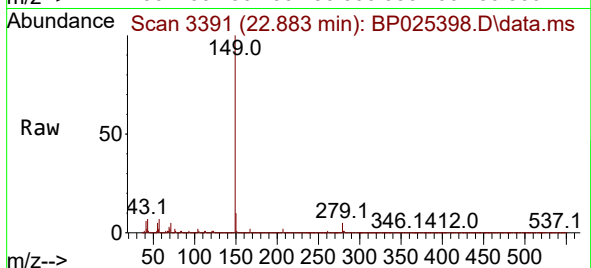
ClientSampleId :

SSTDICC060

Tgt Ion:149 Resp: 4342211

Ion Ratio Lower Upper

149	100		
167	1.6	1.3	1.9
43	7.8	6.3	9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.042 min Scan# 3758

Delta R.T. 0.012 min

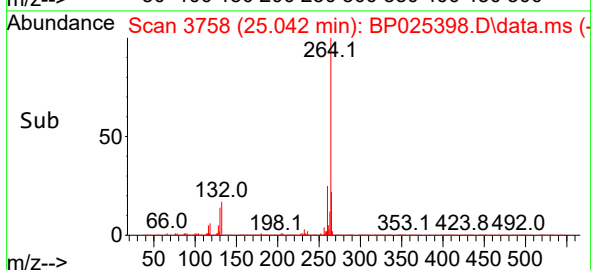
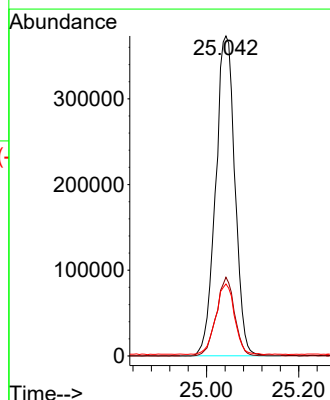
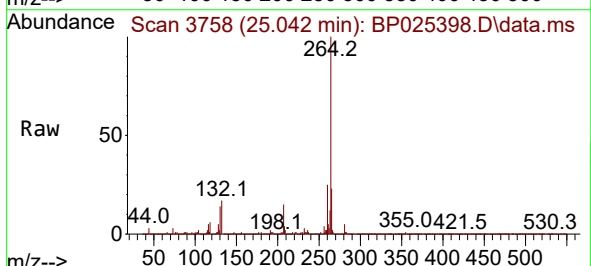
Lab File: BP025398.D

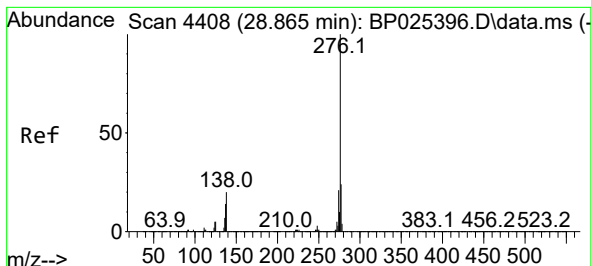
Acq: 14 Aug 2025 16:42

Tgt Ion:264 Resp: 1081163

Ion Ratio Lower Upper

264	100		
260	24.6	19.3	28.9
265	22.5	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 62.248 ng

RT: 28.901 min Scan# 4414

Delta R.T. 0.035 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

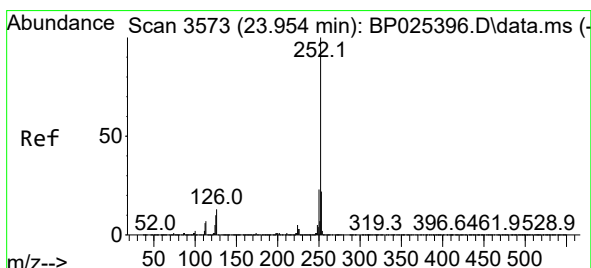
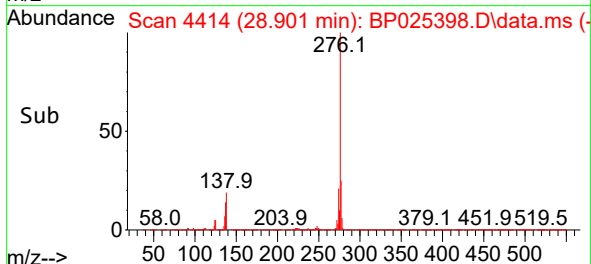
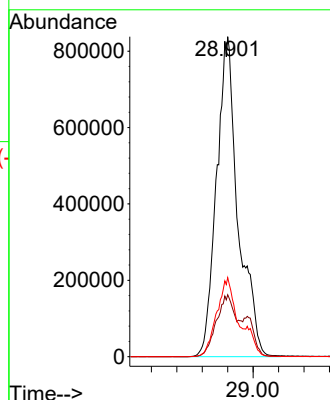
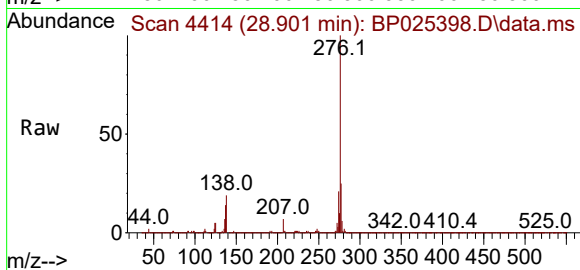
Tgt Ion:276 Resp: 4937235

Ion Ratio Lower Upper

276 100

138 18.5 12.9 19.3

277 22.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 60.914 ng

RT: 23.960 min Scan# 3574

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

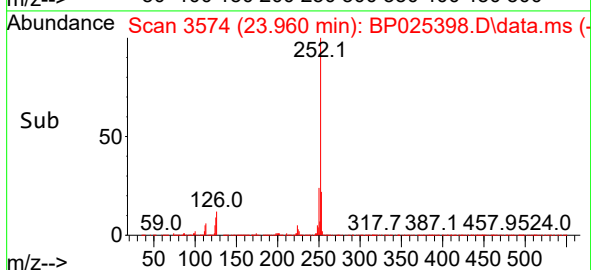
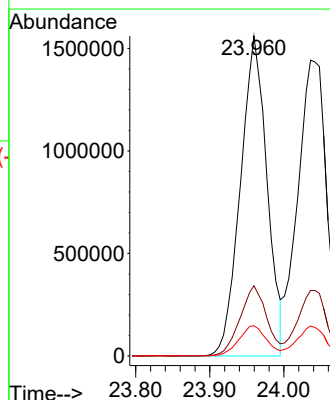
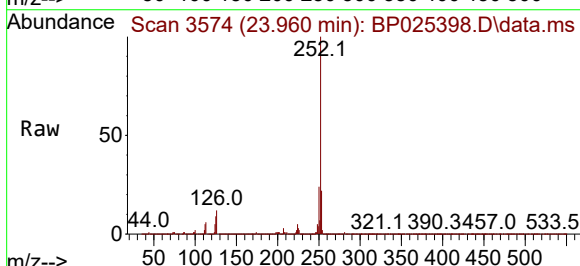
Tgt Ion:252 Resp: 3883465

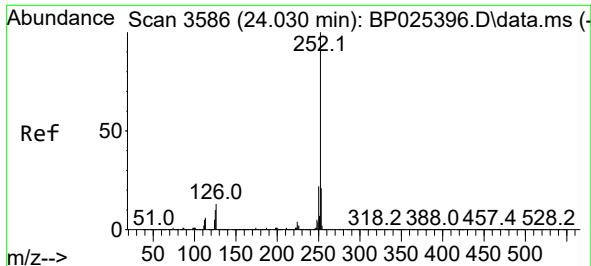
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 9.4 7.9 11.9

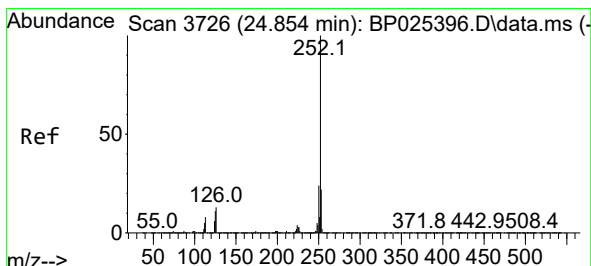
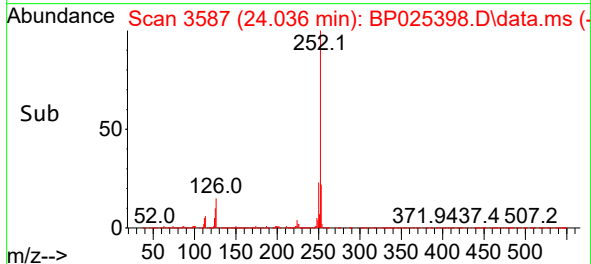
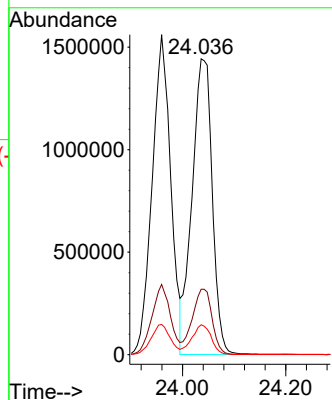
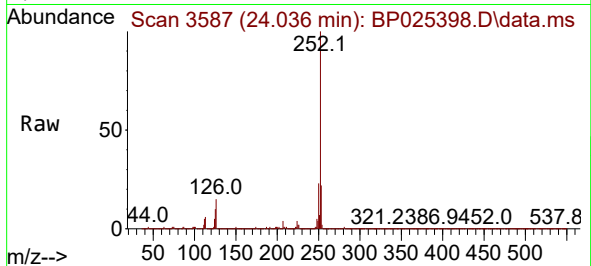




#89
Benzo(k)fluoranthene
Concen: 61.334 ng
RT: 24.036 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

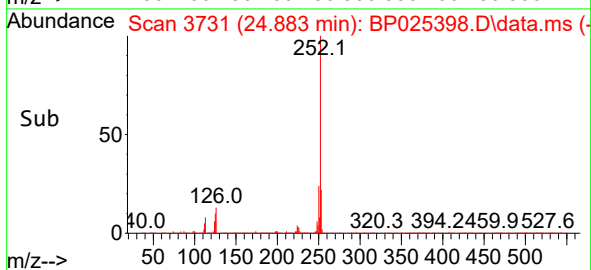
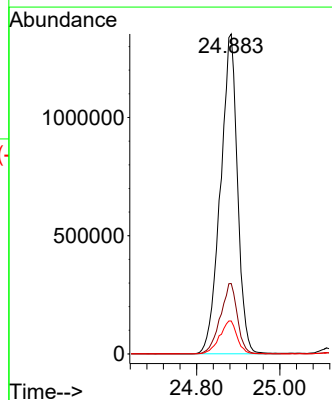
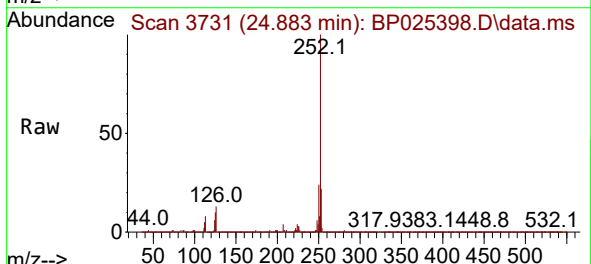
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

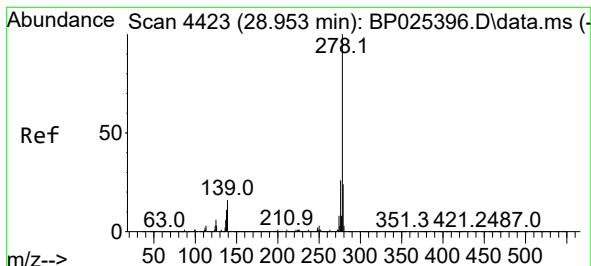
Tgt Ion:252 Resp: 3912900
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 10.1 7.8 11.6



#90
Benzo(a)pyrene
Concen: 61.959 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.030 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:252 Resp: 3845093
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.3 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 62.280 ng

RT: 28.977 min Scan# 4423

Delta R.T. 0.024 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

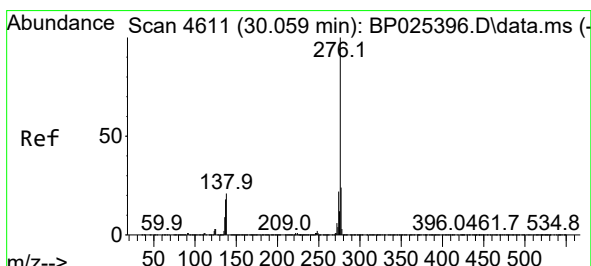
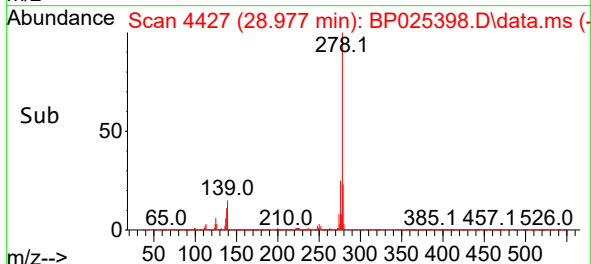
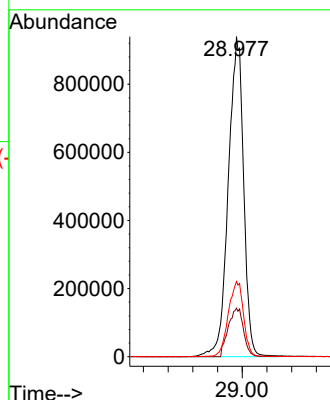
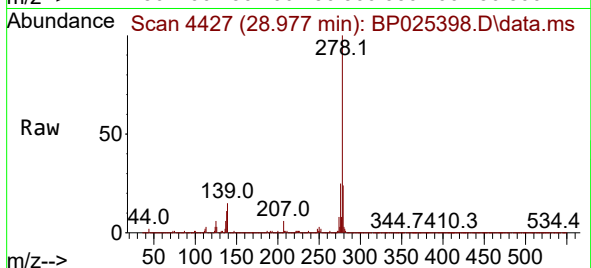
Tgt Ion:278 Resp: 4035414

Ion Ratio Lower Upper

278 100

139 15.1 13.0 19.4

279 23.5 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 62.159 ng

RT: 30.083 min Scan# 4615

Delta R.T. 0.024 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

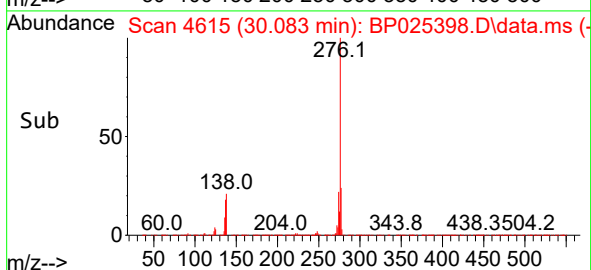
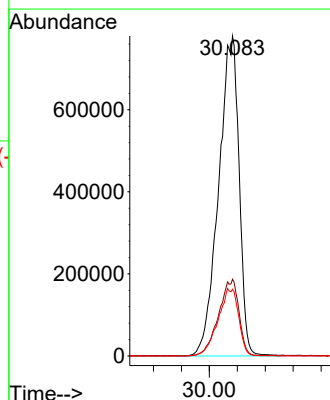
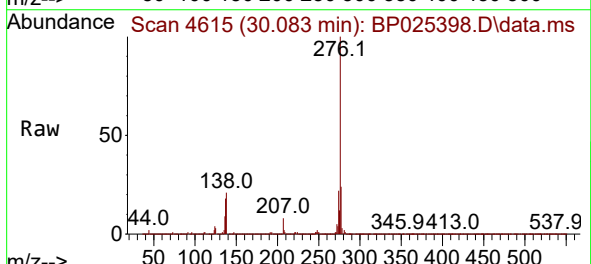
Tgt Ion:276 Resp: 3958545

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.0

138 20.8 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:59:43 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	159148	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	673018	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	436046	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	856946	20.000	ng	# 0.00
76) Chrysene-d12	21.660	240	888879	20.000	ng	0.01
86) Perylene-d12	25.030	264	1037707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1526166	159.254	ng	0.00
7) Phenol-d6	6.972	99	1989633	161.937	ng	0.00
23) Nitrobenzene-d5	8.937	82	2123522	159.609	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	936489	159.559	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	4712591	147.705	ng	0.00
79) Terphenyl-d14	19.930	244	7103816	146.217	ng	0.01
Target Compounds						
2) 1,4-Dioxane	3.337	88	291527	77.664	ng	Qvalue 99
3) Pyridine	3.731	79	807269	78.572	ng	97
4) n-Nitrosodimethylamine	3.637	42	344349	81.296	ng	99
6) Aniline	7.131	93	1333221	80.538	ng	100
8) 2-Chlorophenol	7.372	128	877073	81.104	ng	99
9) Benzaldehyde	6.943	77	582344	67.651	ng	98
10) Phenol	7.002	94	1040534	80.710	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	798672	79.481	ng	99
12) 1,3-Dichlorobenzene	7.684	146	950596	79.718	ng	98
13) 1,4-Dichlorobenzene	7.825	146	961421	78.882	ng	99
14) 1,2-Dichlorobenzene	8.143	146	922658	78.203	ng	99
15) Benzyl Alcohol	8.031	79	795618	81.498	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1059824	78.732	ng	99
17) 2-Methylphenol	8.225	107	734482	82.028	ng	100
18) Hexachloroethane	8.866	117	355791	79.395	ng	94
19) n-Nitroso-di-n-propyla...	8.596	70	636387	78.102	ng	99
20) 3+4-Methylphenols	8.555	107	1005632	81.023	ng	97
22) Acetophenone	8.607	105	1314548	77.886	ng	99
24) Nitrobenzene	8.978	77	947511	79.686	ng	99
25) Isophorone	9.507	82	1829675	77.708	ng	99
26) 2-Nitrophenol	9.678	139	511806	83.872	ng	99
27) 2,4-Dimethylphenol	9.743	122	842467	80.280	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	1103640	77.542	ng	99
29) 2,4-Dichlorophenol	10.213	162	844787	81.037	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	892771	78.123	ng	98
31) Naphthalene	10.613	128	2722703	77.835	ng	99
32) Benzoic acid	9.901	122	686791	88.861	ng	99
33) 4-Chloroaniline	10.713	127	1232431	79.761	ng	100
34) Hexachlorobutadiene	10.901	225	557922	78.393	ng	99
35) Caprolactam	11.519	113	302874	79.233	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	949779	79.399	ng	99
37) 2-Methylnaphthalene	12.213	142	1761325	77.372	ng	99
38) 1-Methylnaphthalene	12.437	142	1844376	76.186	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	995064	79.014	ng	100
41) Hexachlorocyclopentadiene	12.572	237	668771	87.916	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	706484	83.096	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

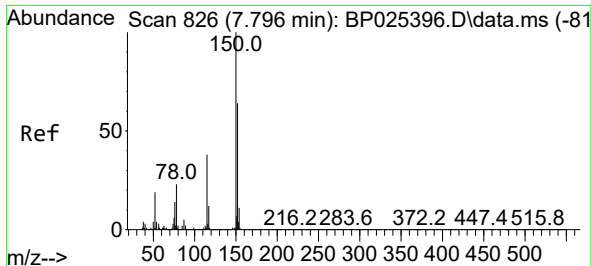
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

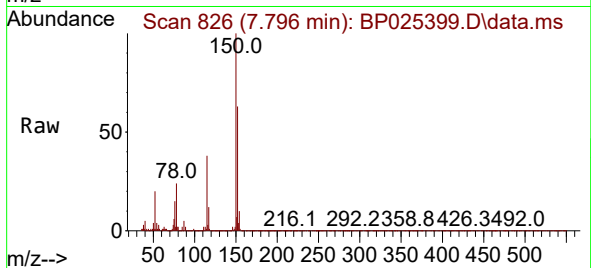
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	762861	81.870	ng	99
46) 1,1'-Biphenyl	13.231	154	2453536	77.476	ng	99
47) 2-Chloronaphthalene	13.272	162	1918120	77.804	ng	100
48) 2-Nitroaniline	13.472	65	594696	82.788	ng	96
49) Acenaphthylene	14.125	152	3194918	78.318	ng	100
50) Dimethylphthalate	13.860	163	2446951	76.632	ng	99
51) 2,6-Dinitrotoluene	13.972	165	542710	80.639	ng	99
52) Acenaphthene	14.472	154	1841448	76.902	ng	99
53) 3-Nitroaniline	14.301	138	618087	81.627	ng	100
54) 2,4-Dinitrophenol	14.507	184	339125	94.356	ng	100
55) Dibenzofuran	14.807	168	2915933	77.023	ng	99
56) 4-Nitrophenol	14.619	139	520294	83.618	ng	96
57) 2,4-Dinitrotoluene	14.766	165	791214	82.399	ng	99
58) Fluorene	15.466	166	2185593	73.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	661890	80.448	ng	100
60) Diethylphthalate	15.242	149	2494087	76.870	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	1105157	74.388	ng	97
62) 4-Nitroaniline	15.484	138	626525	80.710	ng	97
63) Azobenzene	15.760	77	2139674	77.017	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	472602	88.473	ng	93
66) n-Nitrosodiphenylamine	15.678	169	2034782	77.866	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	745915	79.144	ng	98
68) Hexachlorobenzene	16.495	284	860051	78.721	ng	97
69) Atrazine	16.654	200	783533	80.064	ng	98
70) Pentachlorophenol	16.842	266	589673	85.502	ng	98
71) Phenanthrene	17.242	178	3623454	76.972	ng	99
72) Anthracene	17.336	178	3702277	77.014	ng	99
73) Carbazole	17.607	167	3503273	77.368	ng	99
74) Di-n-butylphthalate	18.219	149	4336701	77.844	ng	100
75) Fluoranthene	19.330	202	4313301	76.815	ng	99
77) Benzidine	19.525	184	2036246	67.124	ng	99
78) Pyrene	19.707	202	4410693	76.343	ng	99
80) Butylbenzylphthalate	20.660	149	2054404	78.460	ng	97
81) Benzo(a)anthracene	21.642	228	4532763	77.322	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1705746	77.197	ng	100
83) Chrysene	21.707	228	4218161	76.835	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	3021891	78.400	ng	100
85) Di-n-octyl phthalate	22.877	149	5302080	79.974	ng	100
87) Indeno(1,2,3-cd)pyrene	28.895	276	6168570m	81.030	ng	
88) Benzo(b)fluoranthene	23.977	252	4876398	79.692	ng	100
89) Benzo(k)fluoranthene	24.054	252	4734637	77.323	ng	99
90) Benzo(a)pyrene	24.889	252	4735685	79.505	ng	99
91) Dibenzo(a,h)anthracene	28.983	278	5046260	81.142	ng	99
92) Benzo(g,h,i)perylene	30.106	276	4949477	80.973	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

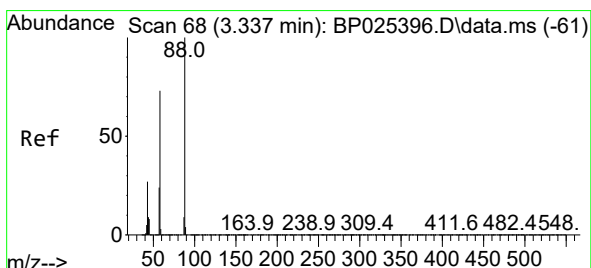
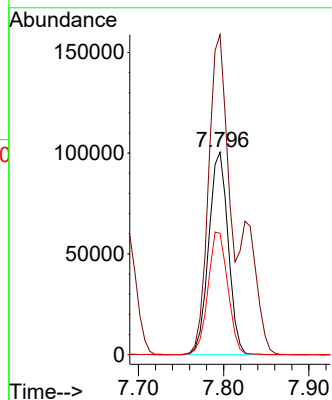
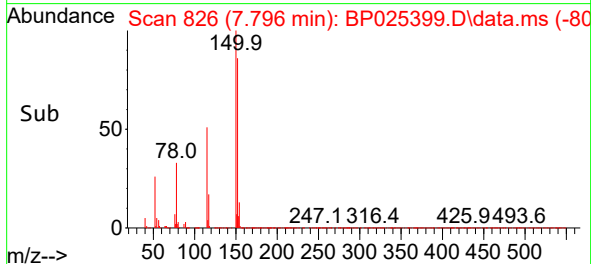
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



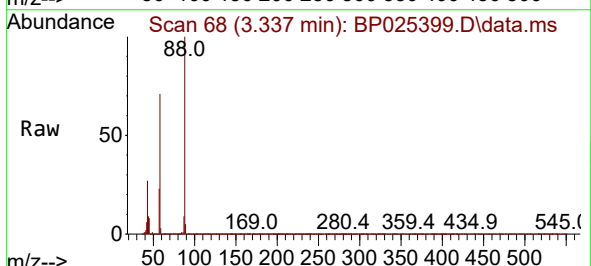
Tgt Ion:152 Resp: 15914
Ion Ratio Lower Upper
152 100
150 157.9 125.9 188.9
115 59.9 48.5 72.7

Manual Integrations
APPROVED

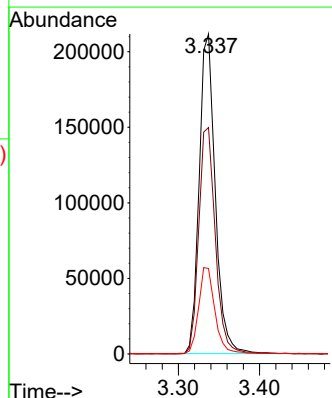
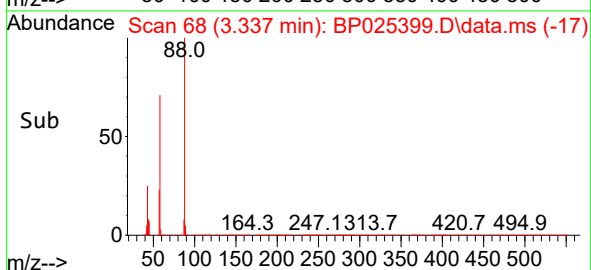
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

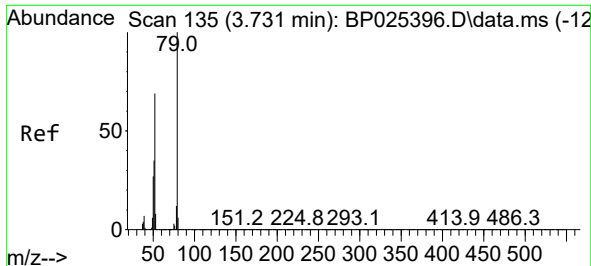


#2
1,4-Dioxane
Concen: 77.664 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



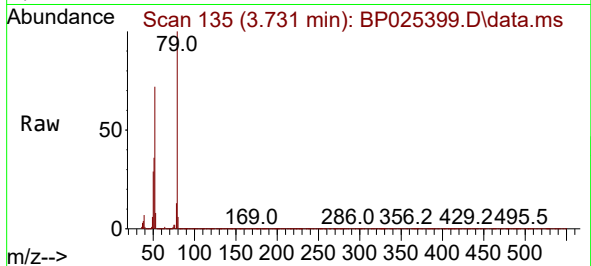
Tgt Ion: 88 Resp: 291527
Ion Ratio Lower Upper
88 100
58 73.3 59.2 88.8
43 27.4 21.7 32.5





#3
Pyridine
Concen: 78.572 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

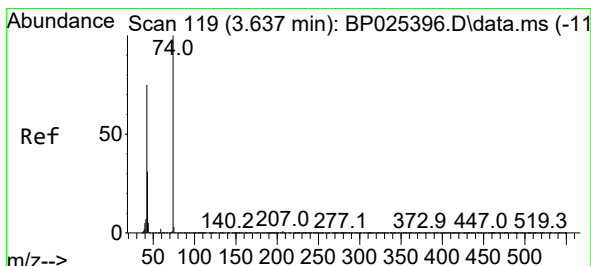
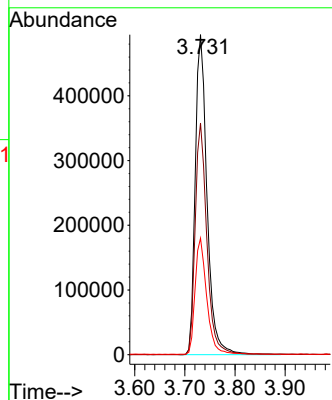
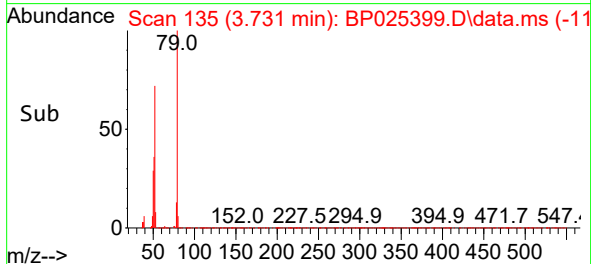
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



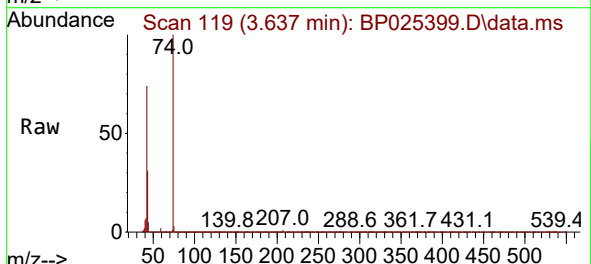
Tgt Ion: 79 Resp: 807269
Ion Ratio Lower Upper
79 100
52 72.4 55.5 83.3
51 36.4 28.3 42.5

Manual Integrations
APPROVED

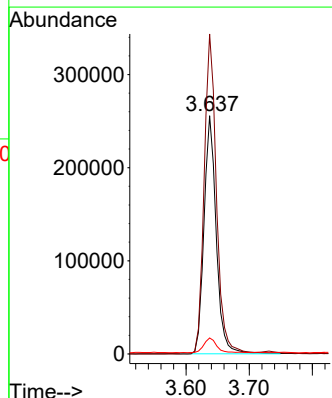
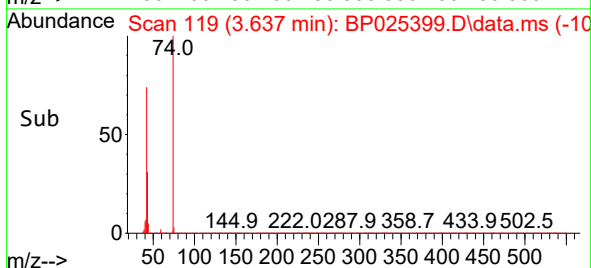
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

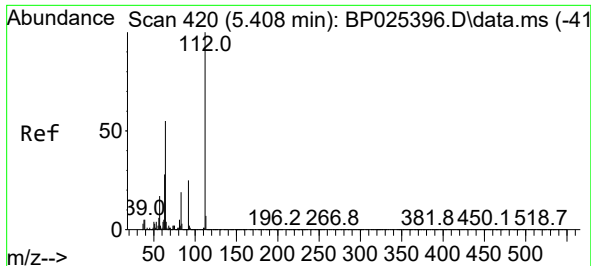


#4
n-Nitrosodimethylamine
Concen: 81.296 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



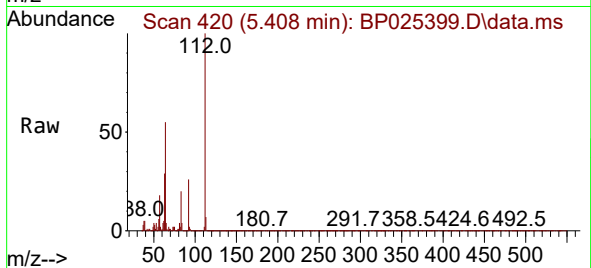
Tgt Ion: 42 Resp: 344349
Ion Ratio Lower Upper
42 100
74 134.3 107.0 160.4
44 6.7 6.2 9.4





#5
2-Fluorophenol
Concen: 159.254 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

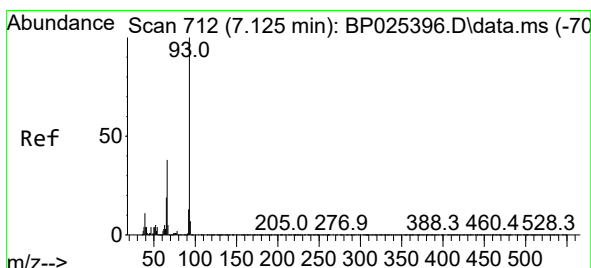
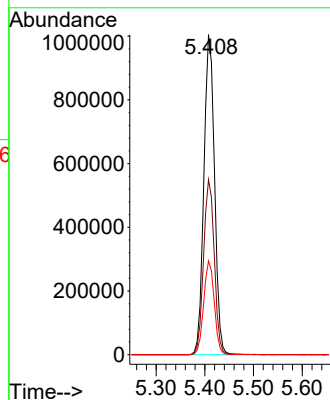
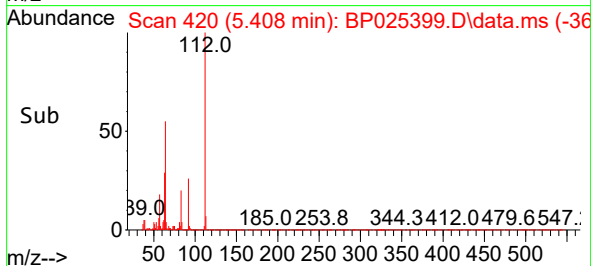
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 152616
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 29.3 22.7 34.1

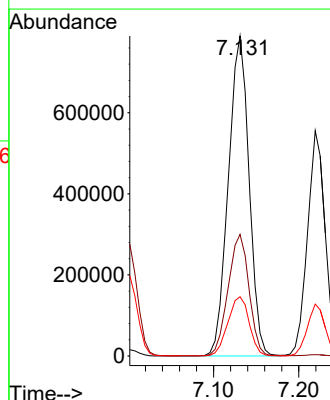
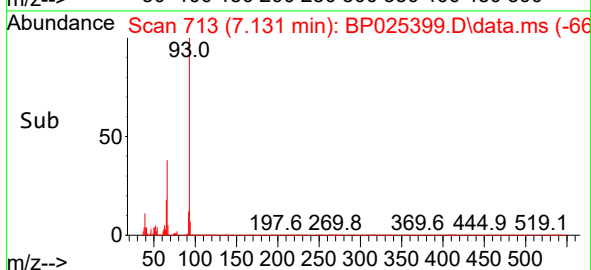
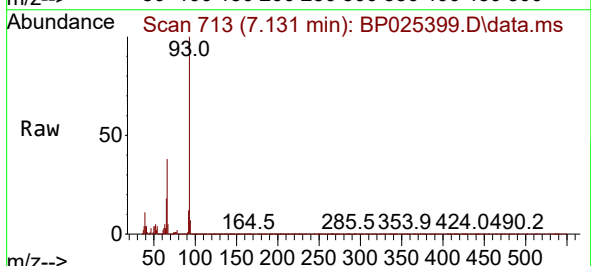
Manual Integrations
APPROVED

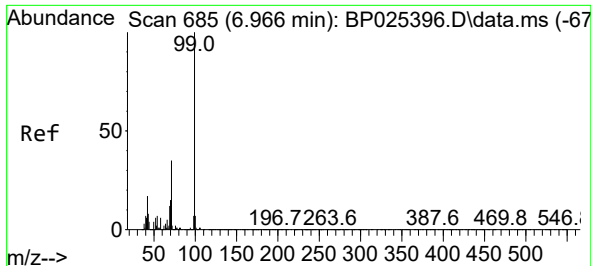
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 80.538 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1333221
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 18.5 15.3 22.9





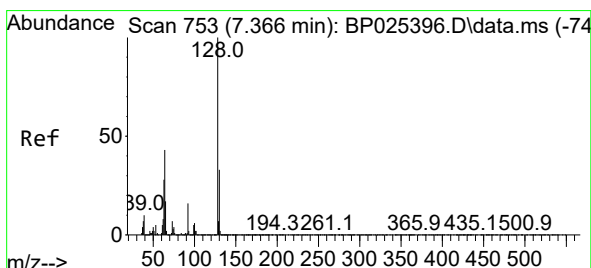
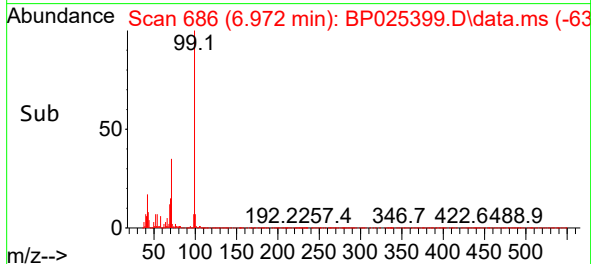
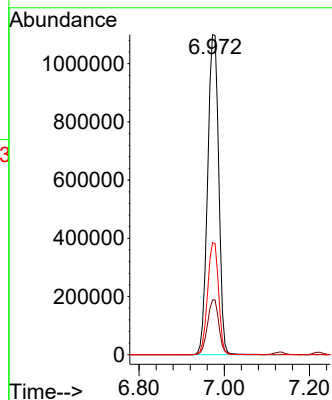
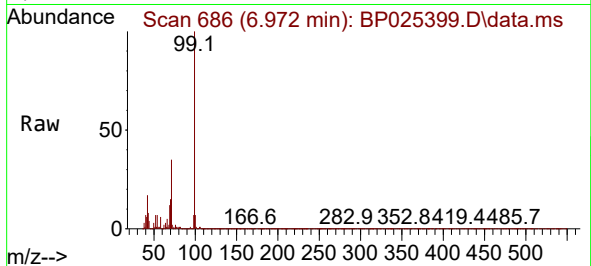
#7
Phenol-d6
Concen: 161.937 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 198963
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 35.1 28.2 42.4

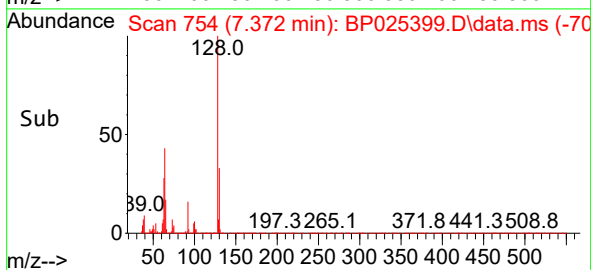
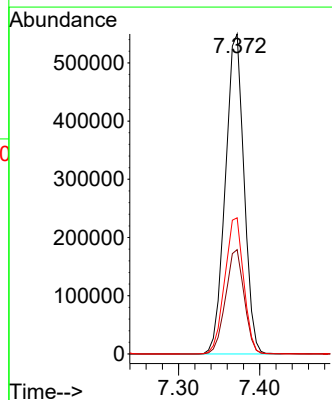
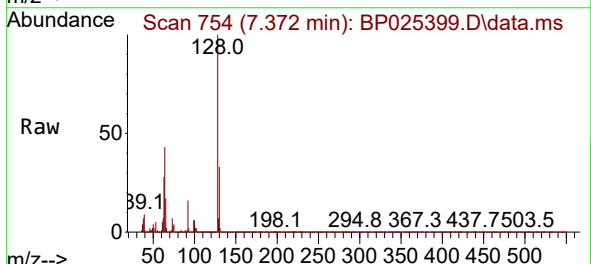
Manual Integrations
APPROVED

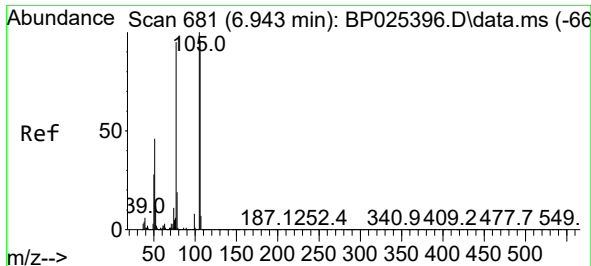
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 81.104 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

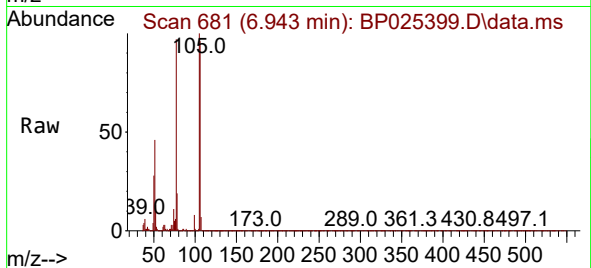
Tgt Ion:128 Resp: 877073
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 42.5 23.4 63.4





#9
Benzaldehyde
Concen: 67.651 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

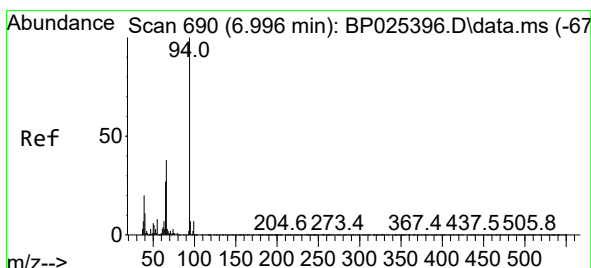
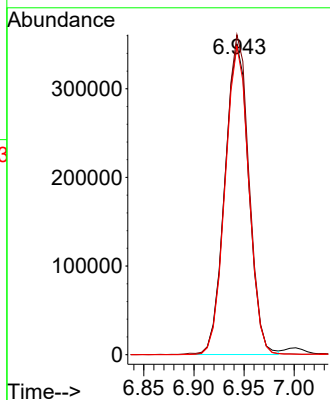
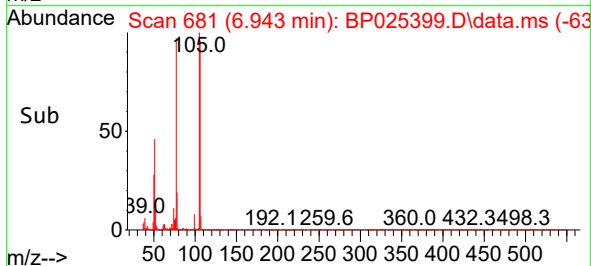
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



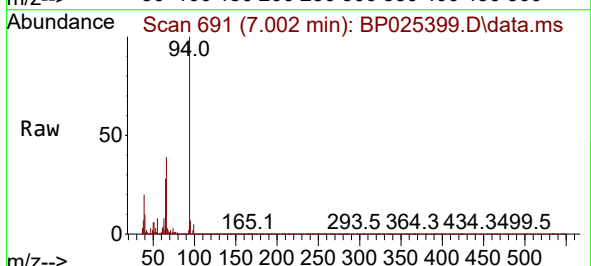
Tgt Ion: 77 Resp: 582344
Ion Ratio Lower Upper
77 100
105 103.0 84.8 124.8
106 99.3 80.5 120.5

Manual Integrations
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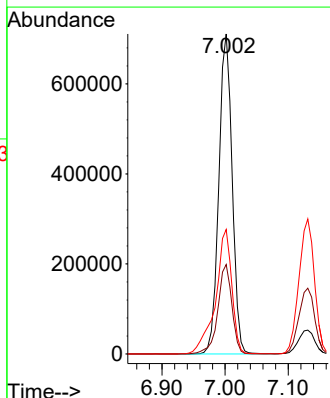
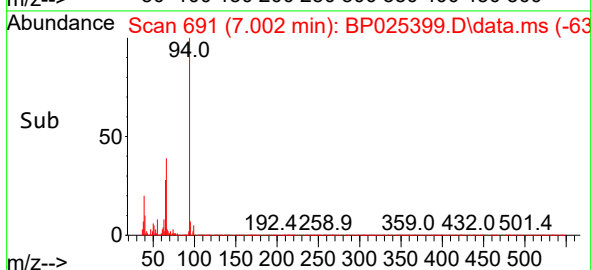
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

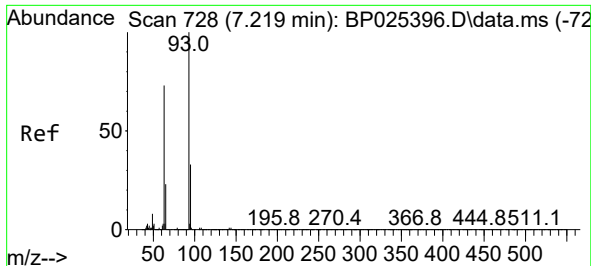


#10
Phenol
Concen: 80.710 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



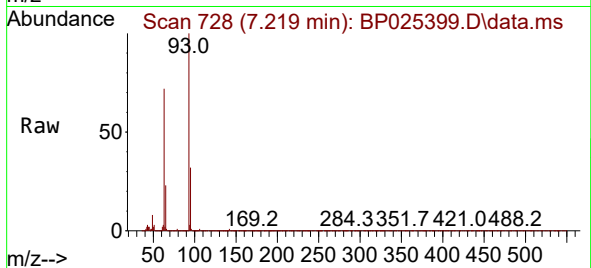
Tgt Ion: 94 Resp: 1040534
Ion Ratio Lower Upper
94 100
65 28.0 6.8 46.8
66 38.9 18.2 58.2





#11
 bis(2-Chloroethyl)ether
 Concen: 79.481 ng
 RT: 7.219 min Scan# 728
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

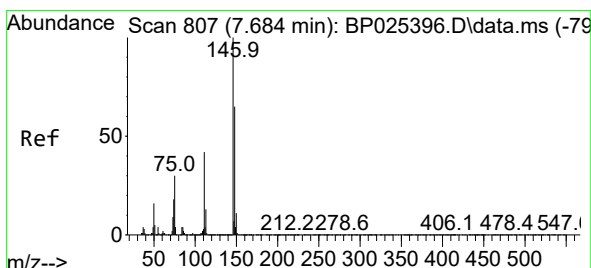
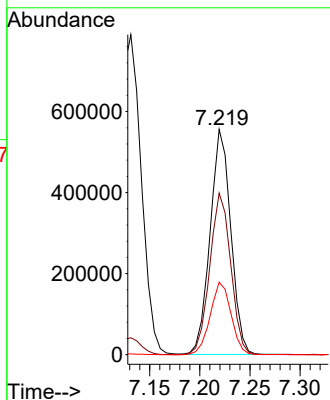
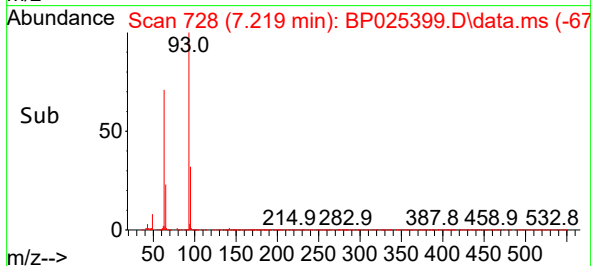
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080



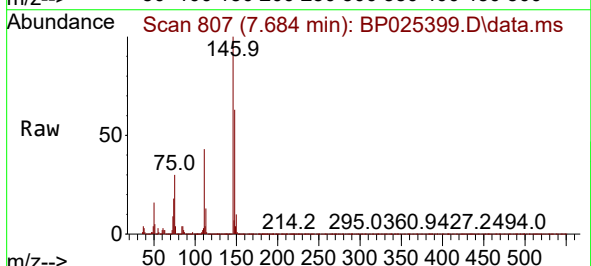
Tgt Ion: 93 Resp: 798672
 Ion Ratio Lower Upper
 93 100
 63 71.7 52.6 92.6
 95 32.2 12.7 52.7

Manual Integrations
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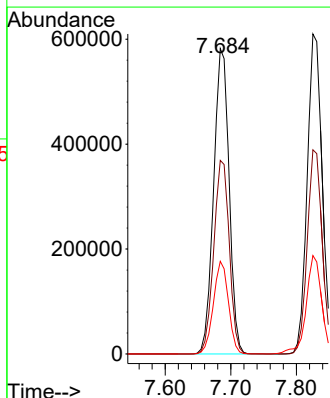
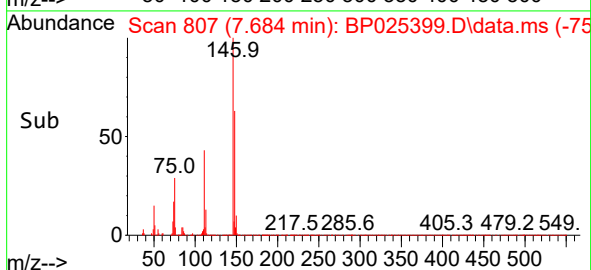
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

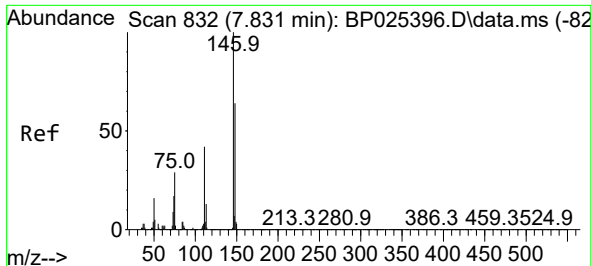


#12
 1,3-Dichlorobenzene
 Concen: 79.718 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24



Tgt Ion:146 Resp: 950596
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.9 77.9
 75 30.3 23.7 35.5





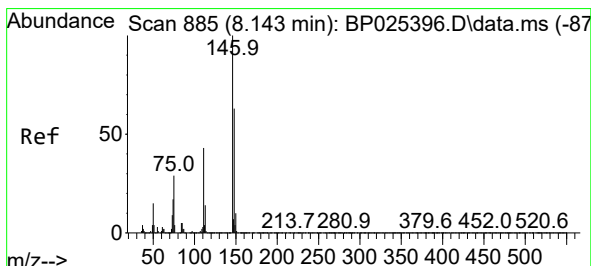
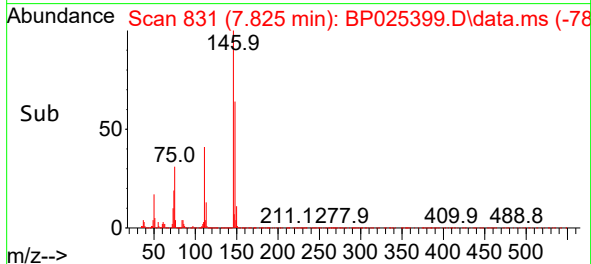
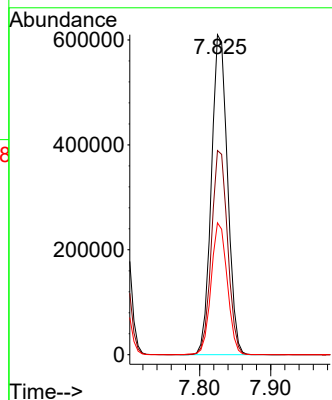
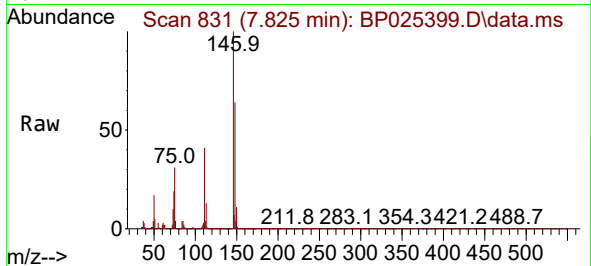
#13
1,4-Dichlorobenzene
Concen: 78.882 ng
RT: 7.825 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 96142
Ion Ratio Lower Upper
146 100
148 63.8 51.6 77.4
111 41.2 33.4 50.0

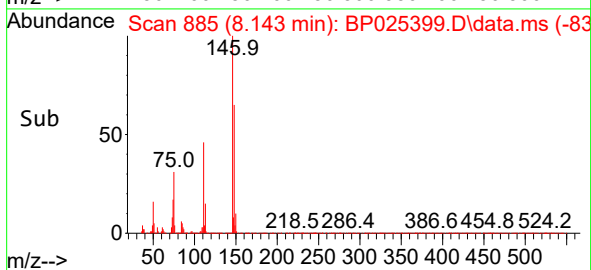
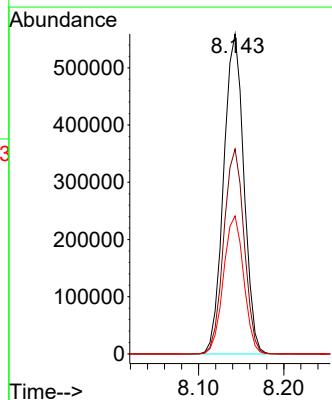
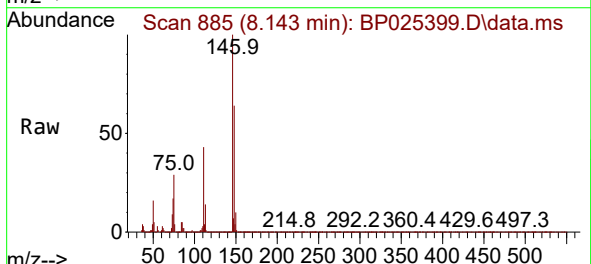
Manual Integrations
APPROVED

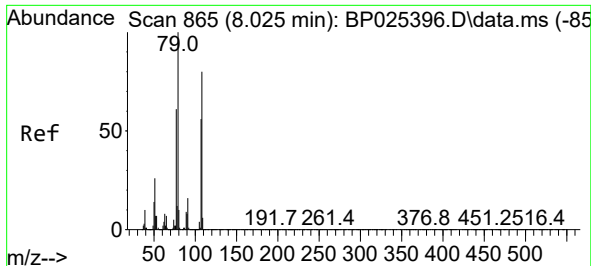
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#14
1,2-Dichlorobenzene
Concen: 78.203 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 922658
Ion Ratio Lower Upper
146 100
148 64.1 50.4 75.6
111 43.1 34.5 51.7





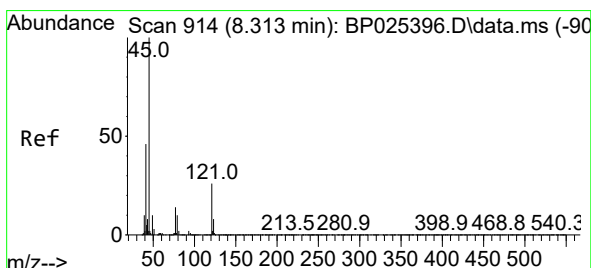
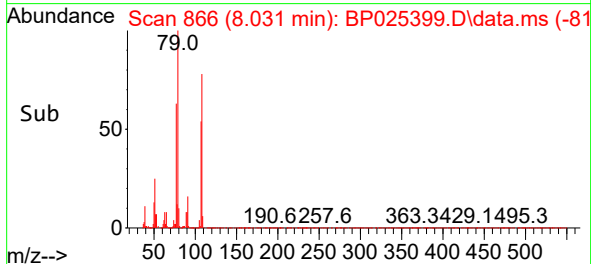
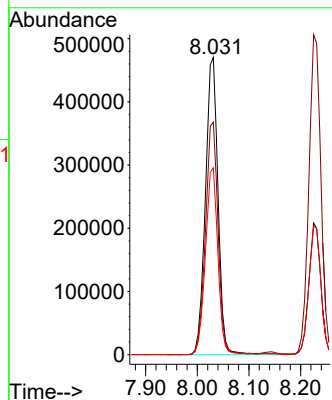
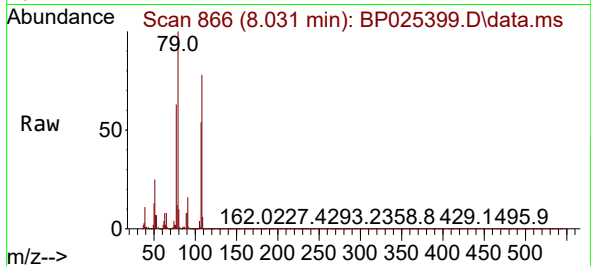
#15
Benzyl Alcohol
Concen: 81.498 ng
RT: 8.031 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 795618
Ion Ratio Lower Upper
79 100
108 78.3 63.8 95.6
77 62.8 49.0 73.4

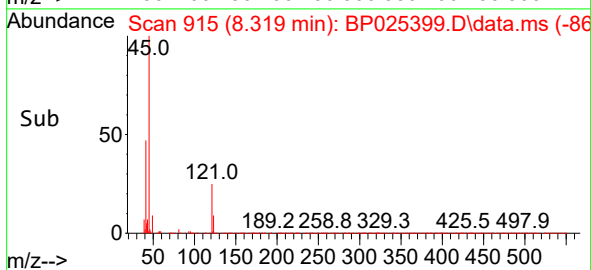
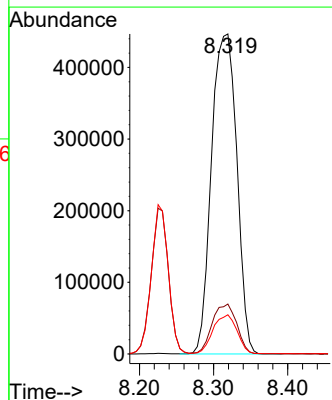
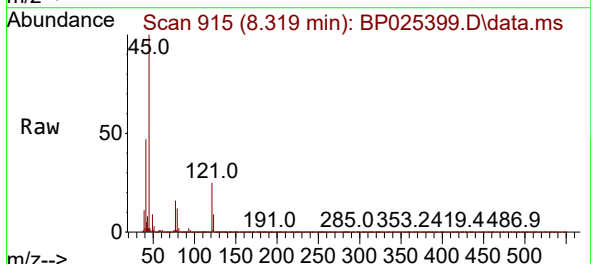
Manual Integrations
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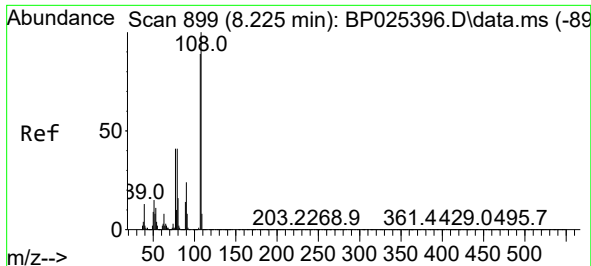
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 78.732 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 45 Resp: 1059824
Ion Ratio Lower Upper
45 100
77 15.6 0.0 35.3
79 12.2 0.0 31.8





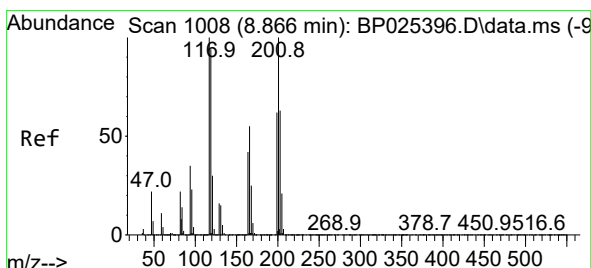
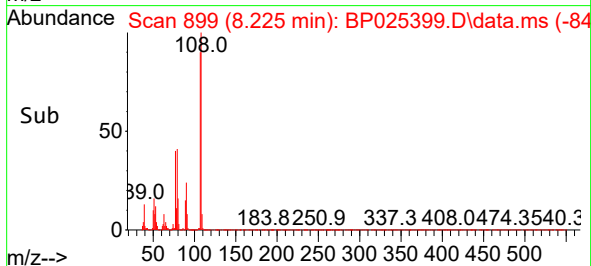
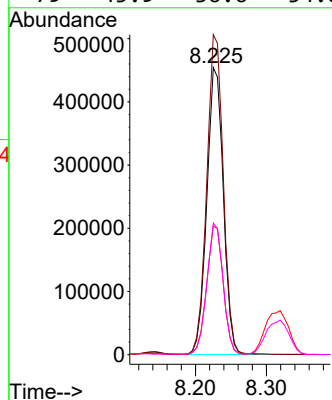
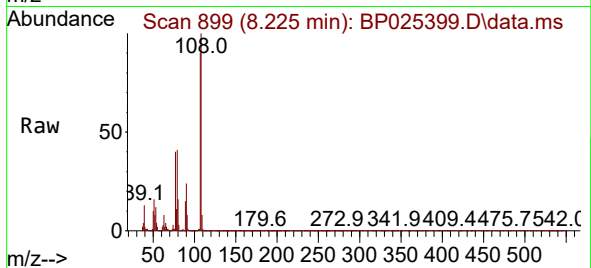
#17
2-Methylphenol
Concen: 82.028 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
Client Sample Id :
SSTDICC080

Tgt Ion:	107	Resp:	73448
Ion Ratio	Lower	Upper	
107	100		
108	111.5	89.4	134.0
77	44.8	36.3	54.5
79	45.9	36.6	54.8

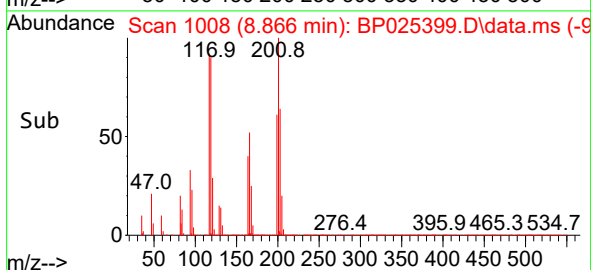
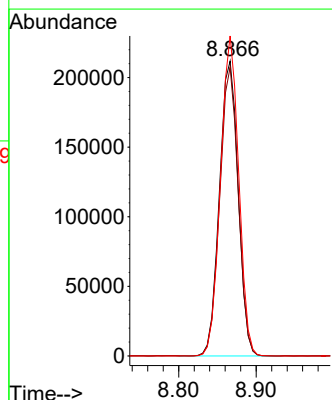
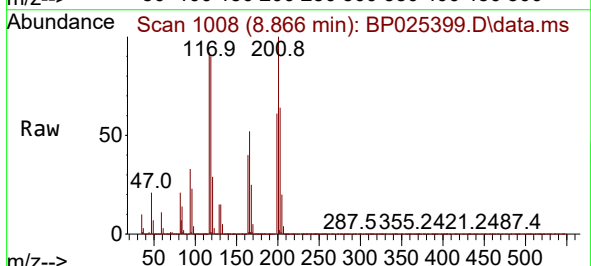
Manual Integrations
APPROVED

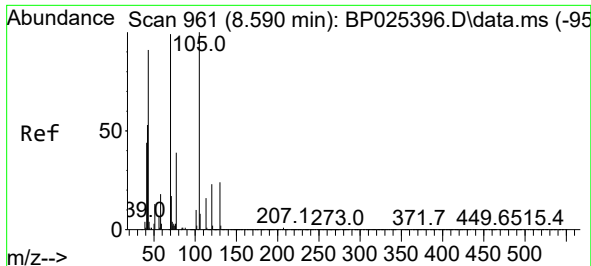
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#18
Hexachloroethane
Concen: 79.395 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

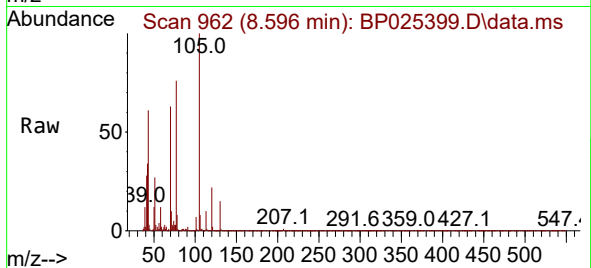
Tgt Ion:	117	Resp:	355791
Ion Ratio	Lower	Upper	
117	100		
119	97.9	75.1	112.7
201	108.5	80.1	120.1





#19
n-Nitroso-di-n-propylamine
Concen: 78.102 ng
RT: 8.596 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

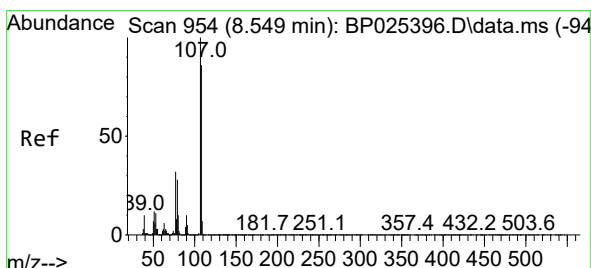
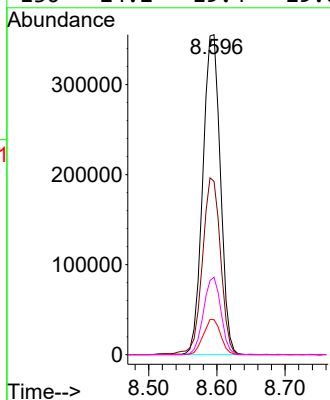
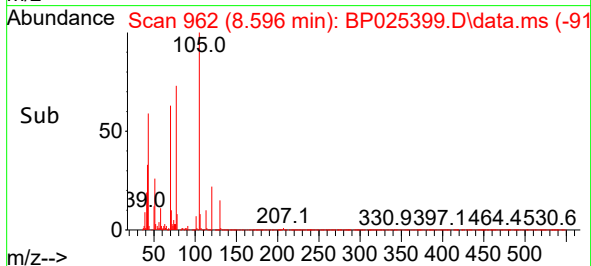
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



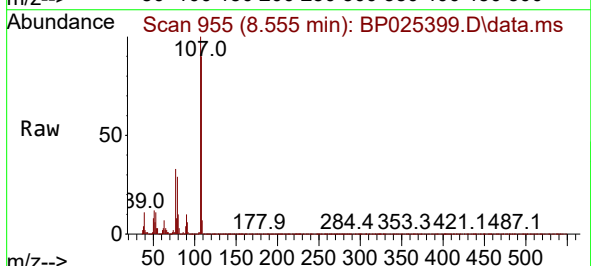
Tgt Ion: 70 Resp: 63638
Ion Ratio Lower Upper
70 100
42 54.2 43.8 65.6
101 11.0 8.5 12.7
130 24.2 19.4 29.0

Manual Integrations
APPROVED

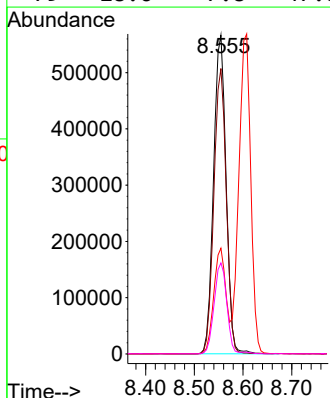
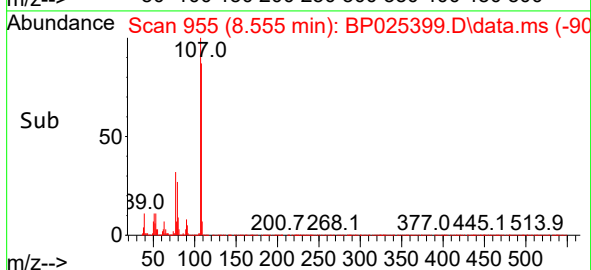
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

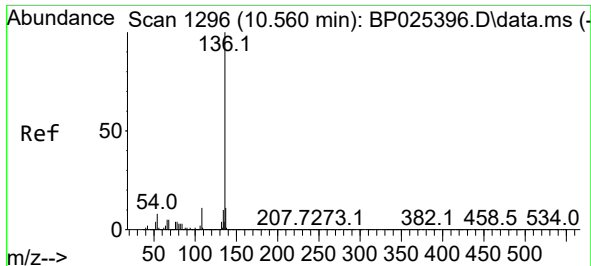


#20
3+4-Methylphenols
Concen: 81.023 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



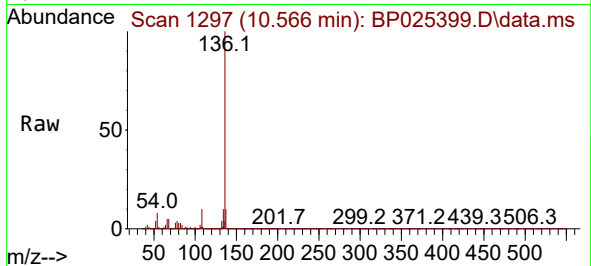
Tgt Ion:107 Resp: 1005632
Ion Ratio Lower Upper
107 100
108 89.6 66.3 106.3
77 33.2 12.3 52.3
79 28.6 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

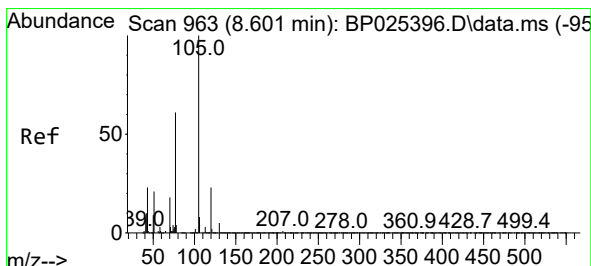
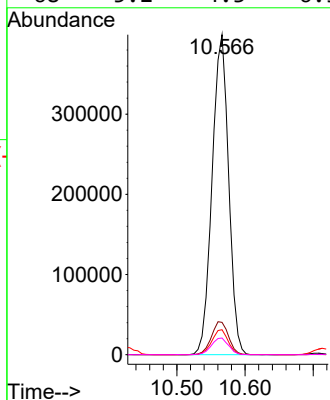
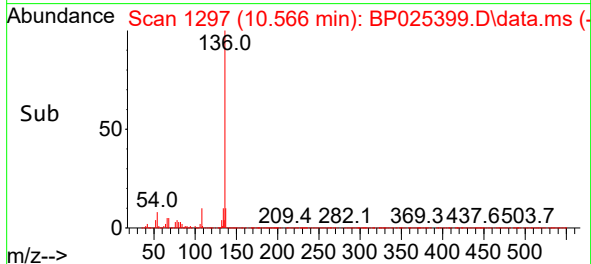
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



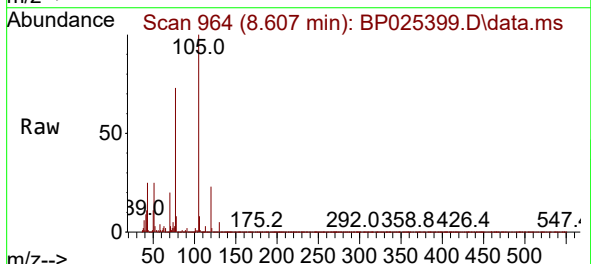
Tgt Ion:	136	Resp:	673018
Ion Ratio	Lower	Upper	
136	100		
137	10.1	9.2	13.8
54	7.8	6.0	9.0
68	5.2	4.3	6.5

Manual Integrations
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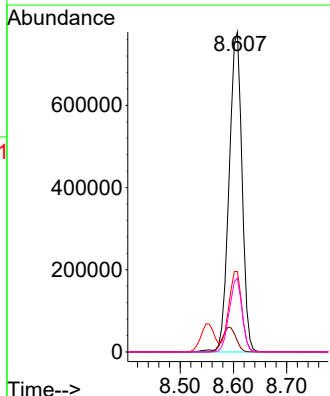
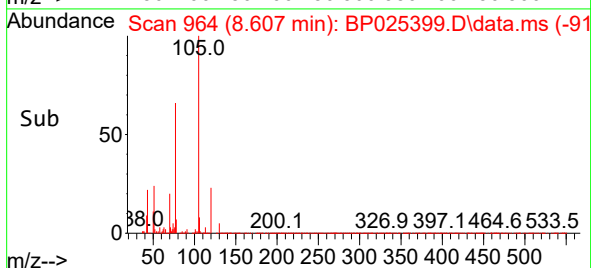
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

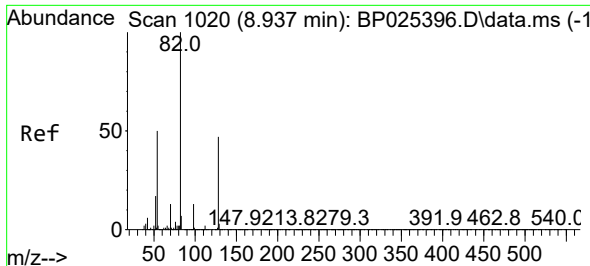


#22
Acetophenone
Concen: 77.886 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



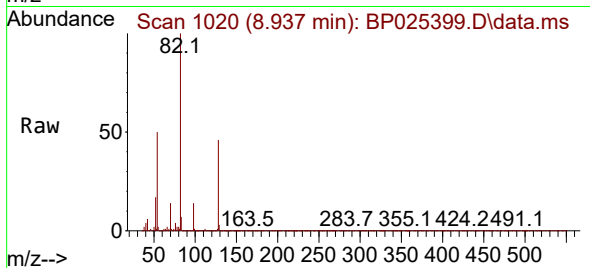
Tgt Ion:	105	Resp:	1314548
Ion Ratio	Lower	Upper	
105	100		
71	3.4	2.6	4.0
51	25.1	20.6	30.8
120	23.1	18.6	27.8





#23
Nitrobenzene-d5
Concen: 159.609 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

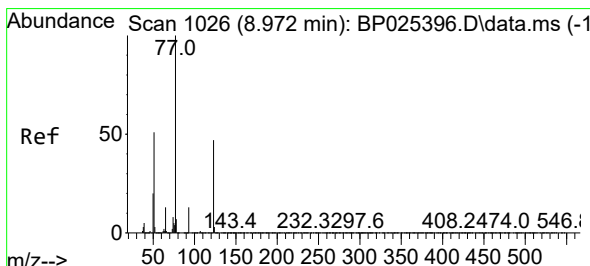
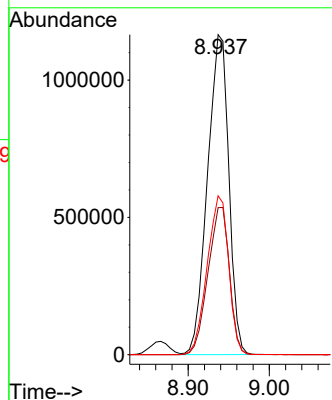
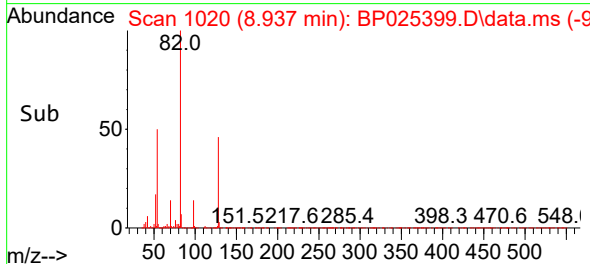
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



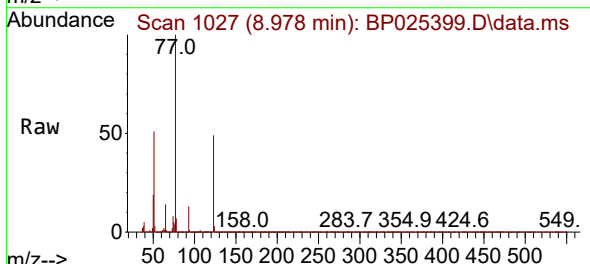
Tgt Ion: 82 Resp: 212352
Ion Ratio Lower Upper
82 100
128 46.0 37.7 56.5
54 49.7 39.8 59.6

Manual Integrations
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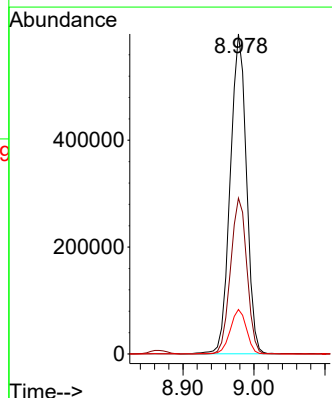
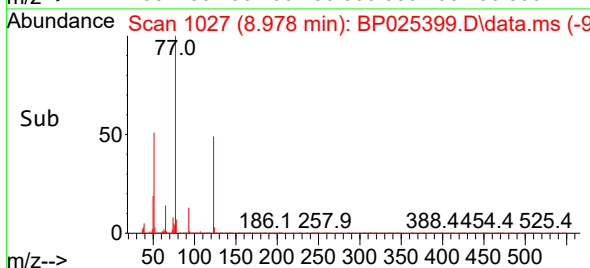
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

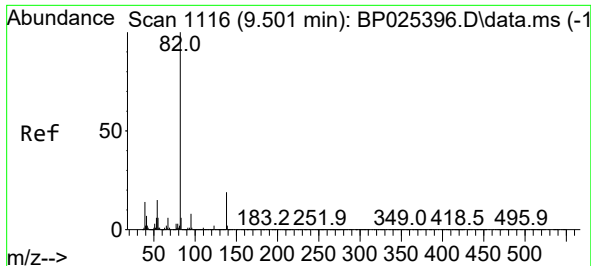


#24
Nitrobenzene
Concen: 79.686 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



Tgt Ion: 77 Resp: 947511
Ion Ratio Lower Upper
77 100
123 48.7 38.6 58.0
65 13.9 10.6 15.8





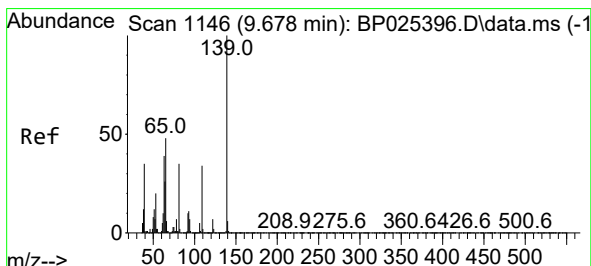
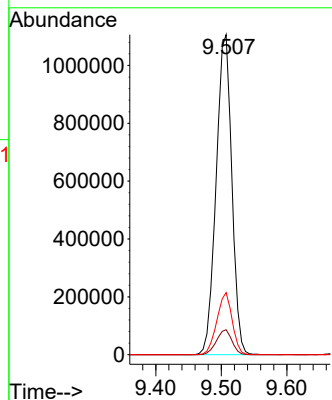
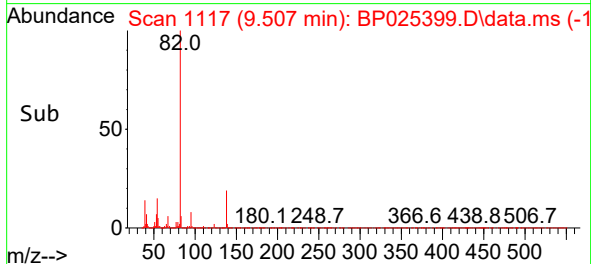
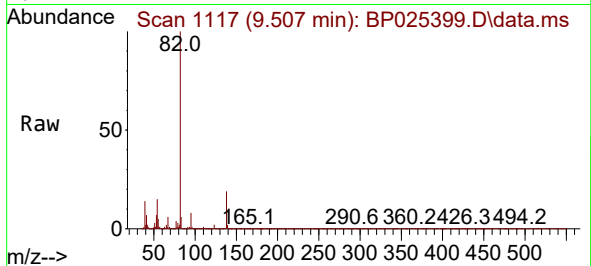
#25
Isophorone
Concen: 77.708 ng
RT: 9.507 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 182967
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 19.4 15.4 23.0

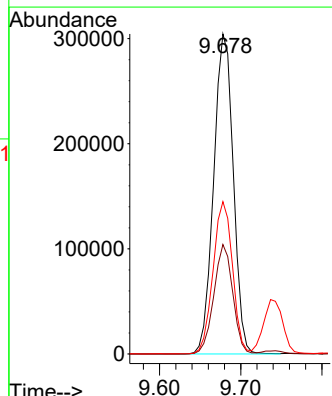
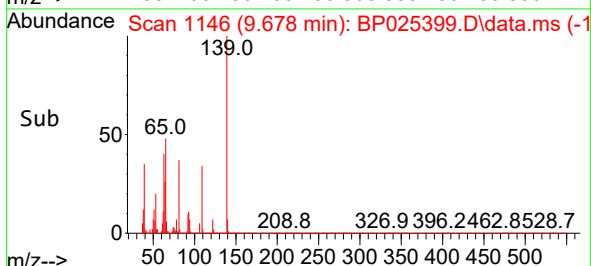
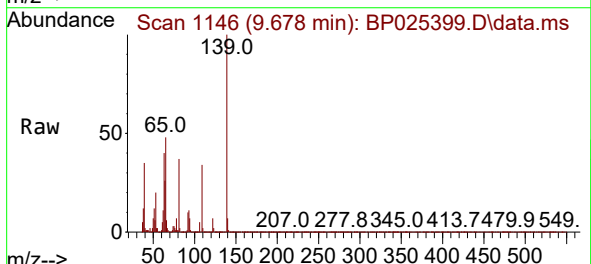
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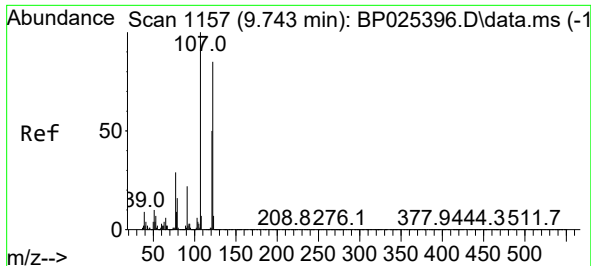
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#26
2-Nitrophenol
Concen: 83.872 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 511806
Ion Ratio Lower Upper
139 100
109 34.2 26.9 40.3
65 47.6 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 80.280 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025399.D

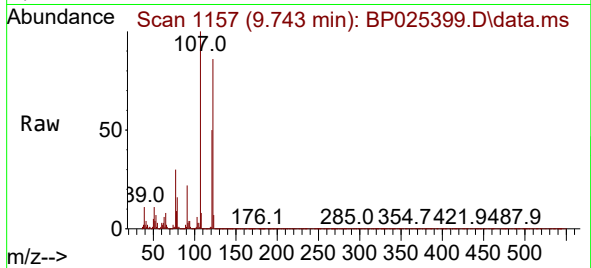
Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080



Tgt Ion:122 Resp: 84246

Ion Ratio Lower Upper

122 100

107 116.4 93.7 140.5

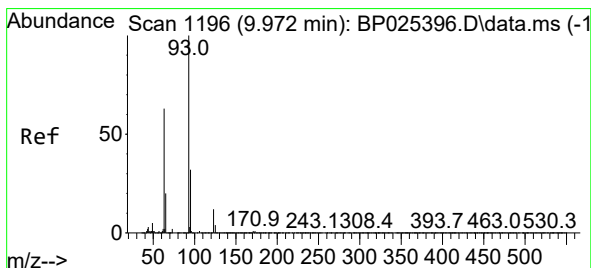
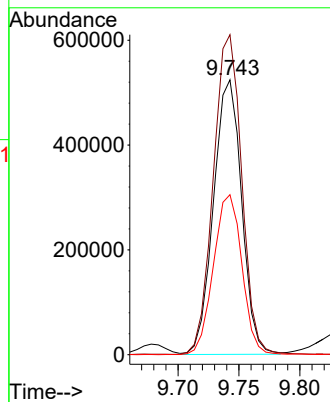
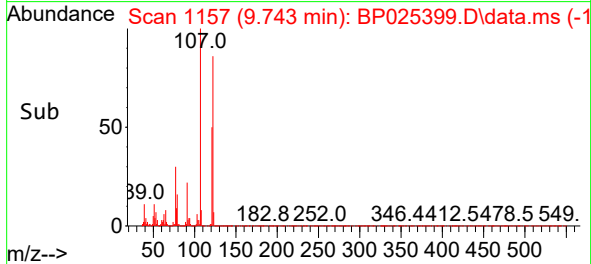
121 58.2 46.6 69.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 77.542 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

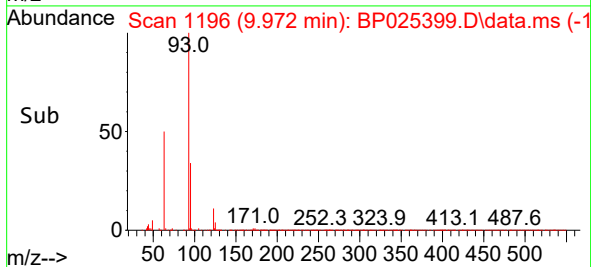
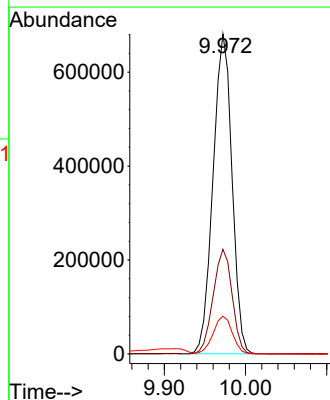
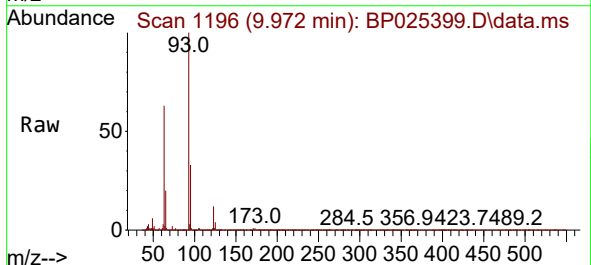
Tgt Ion: 93 Resp: 1103640

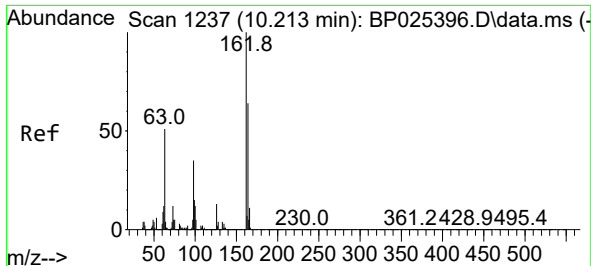
Ion Ratio Lower Upper

93 100

95 32.7 25.4 38.0

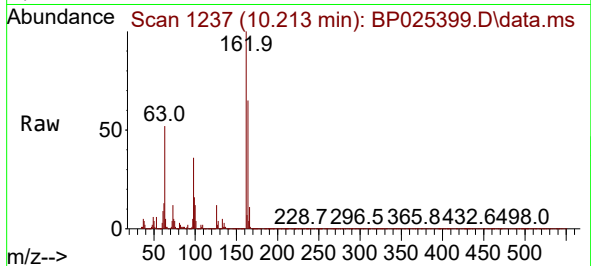
123 11.8 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 81.037 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

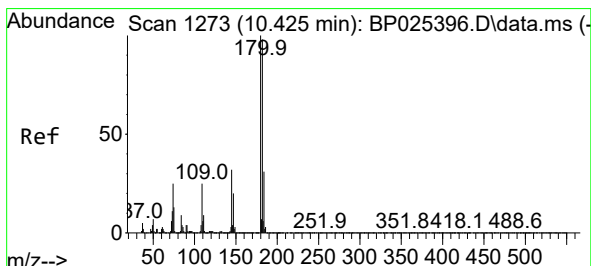
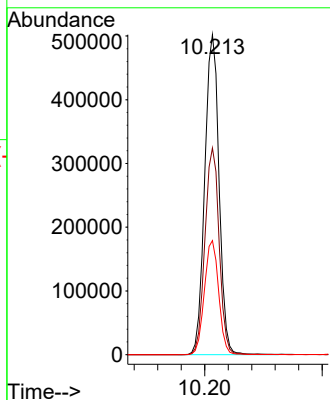
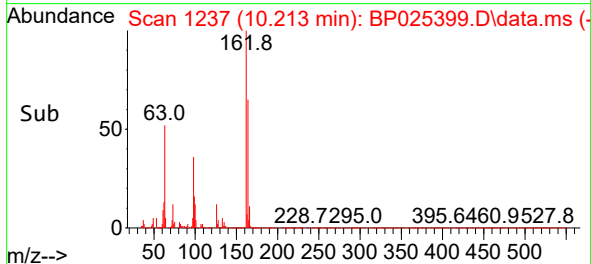
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:162 Resp: 84478
Ion Ratio Lower Upper
162 100
164 64.6 44.4 84.4
98 35.6 14.9 54.9

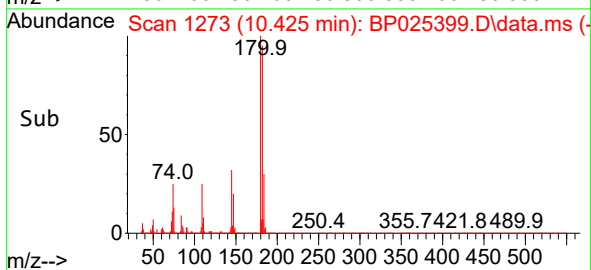
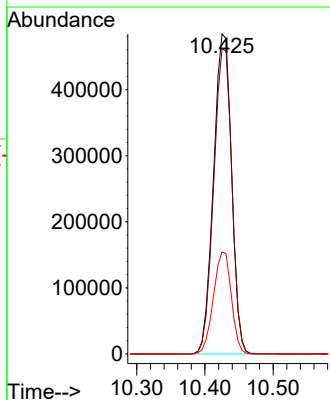
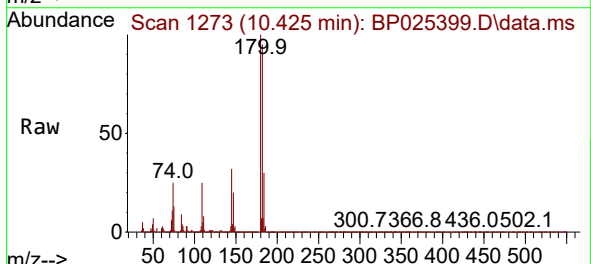
Manual Integrations
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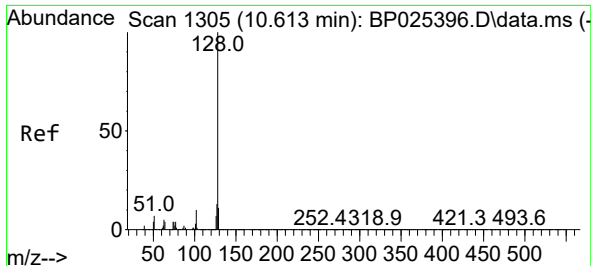
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#30
1,2,4-Trichlorobenzene
Concen: 78.123 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

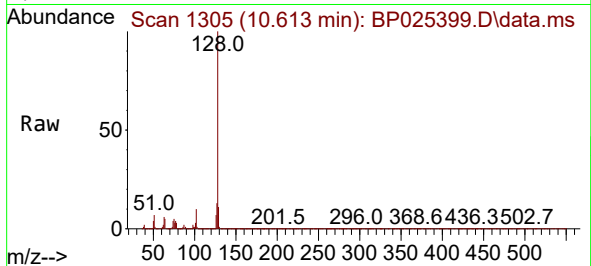
Tgt Ion:180 Resp: 892771
Ion Ratio Lower Upper
180 100
182 95.4 78.0 117.0
145 31.9 25.9 38.9





#31
Naphthalene
Concen: 77.835 ng
RT: 10.613 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

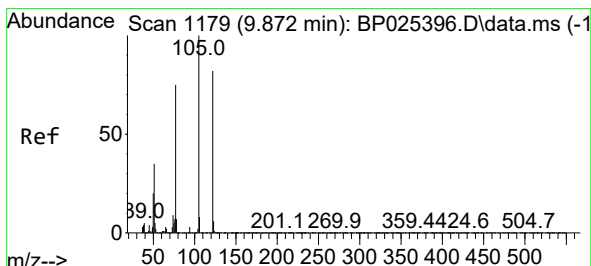
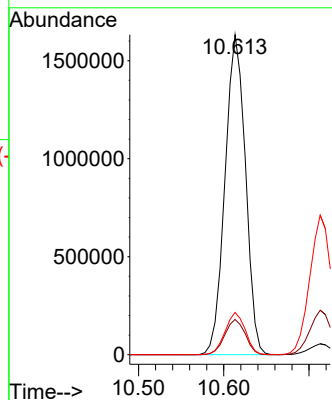
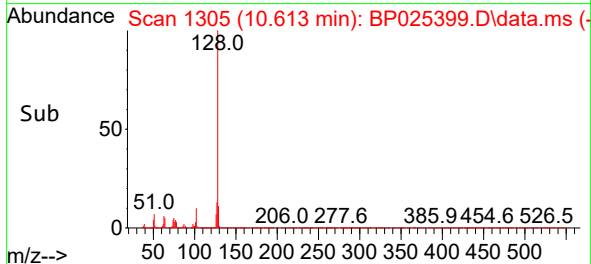
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



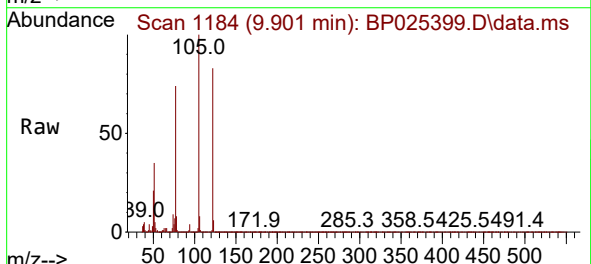
Tgt Ion:128 Resp: 272270
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.2 10.7 16.1

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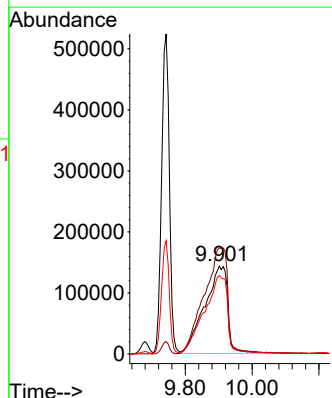
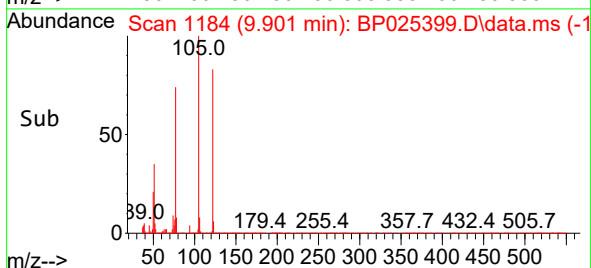
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

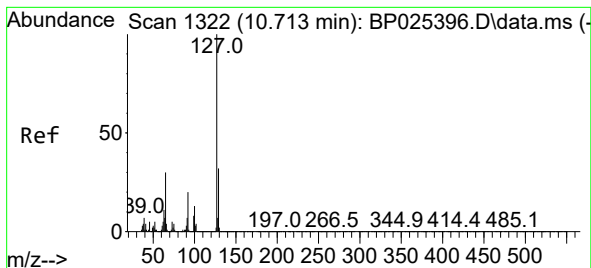


#32
Benzoic acid
Concen: 88.861 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



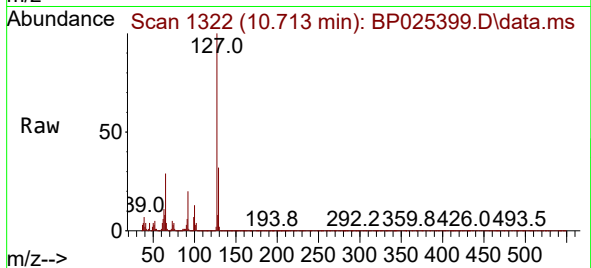
Tgt Ion:122 Resp: 686791
Ion Ratio Lower Upper
122 100
105 121.0 100.6 140.6
77 89.3 71.5 111.5





#33
4-Chloroaniline
Concen: 79.761 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

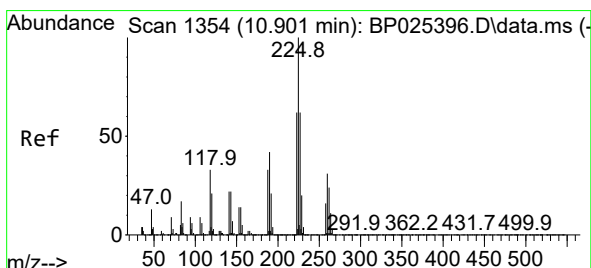
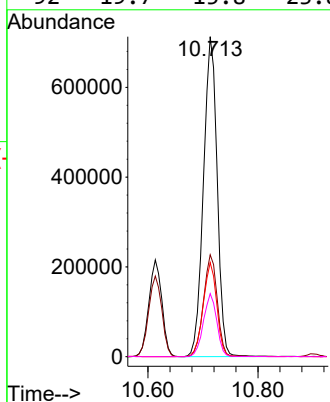
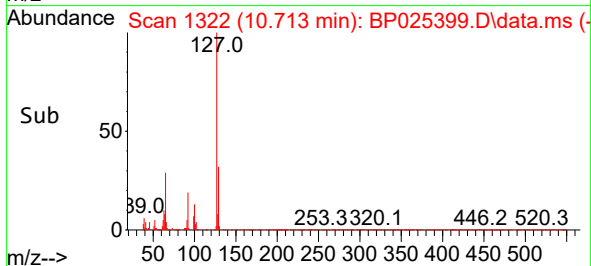
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	29.4	23.8	35.6
92	19.7	15.8	23.8

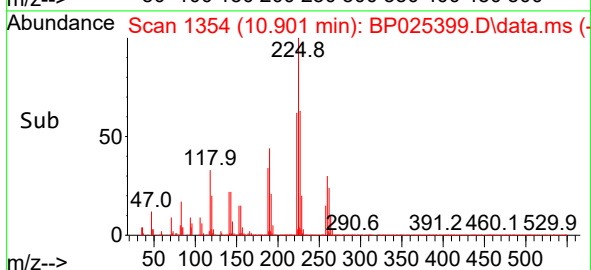
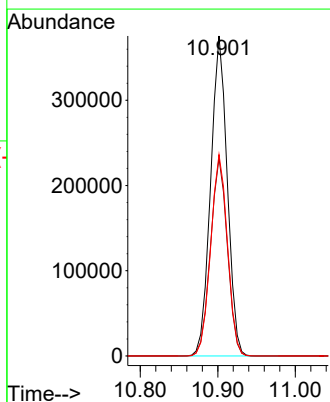
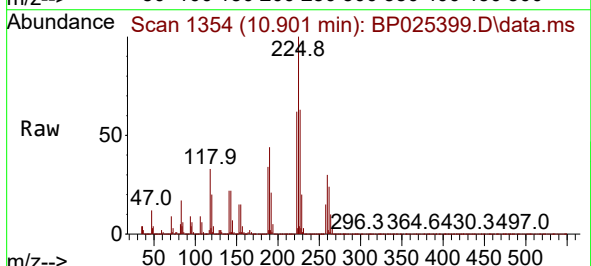
Manual Integrations
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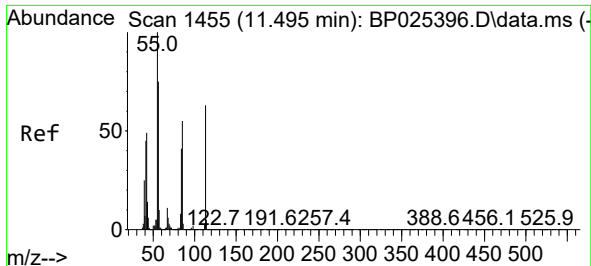
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#34
Hexachlorobutadiene
Concen: 78.393 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

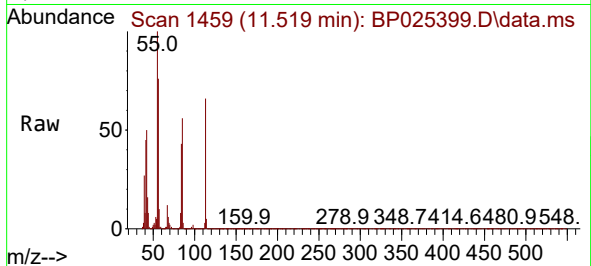
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.0	75.0
227	62.9	49.7	74.5





#35
Caprolactam
Concen: 79.233 ng
RT: 11.519 min Scan# 1455
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

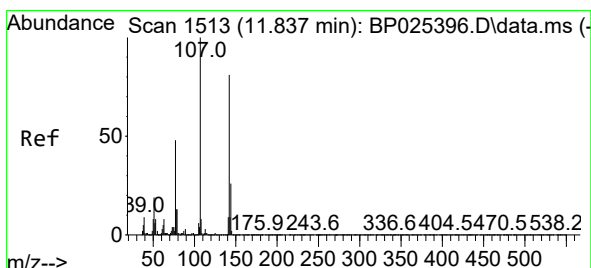
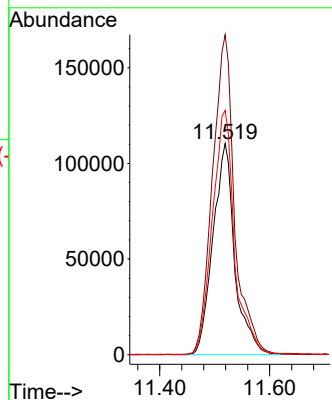
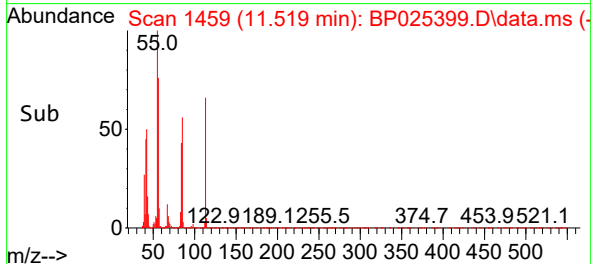
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



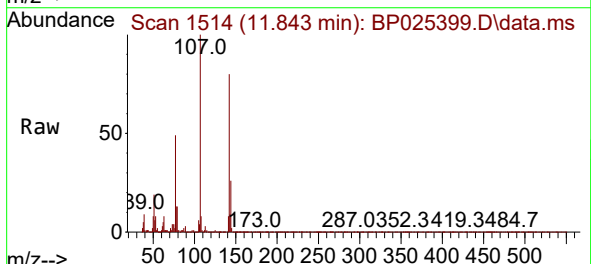
Tgt Ion:113 Resp: 302874
Ion Ratio Lower Upper
113 100
55 151.5 140.0 180.0
56 115.6 100.0 140.0

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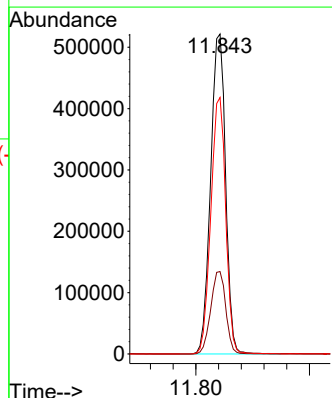
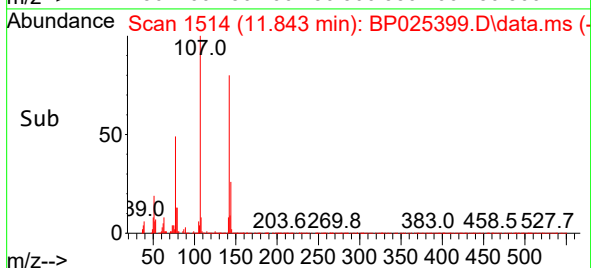
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

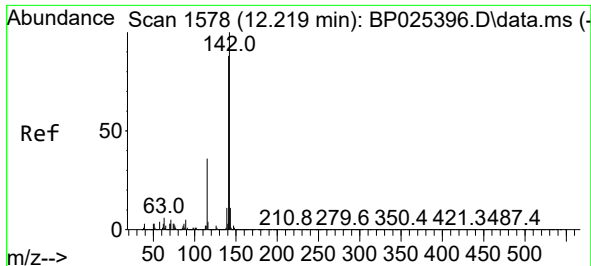


#36
4-Chloro-3-methylphenol
Concen: 79.399 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



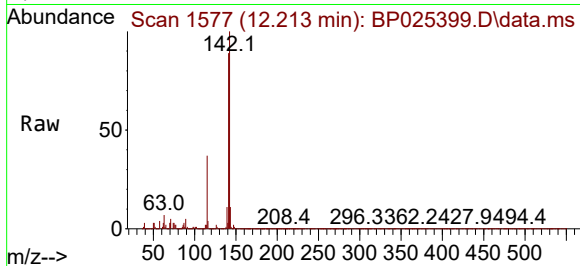
Tgt Ion:107 Resp: 949779
Ion Ratio Lower Upper
107 100
144 25.7 21.0 31.4
142 80.2 64.6 97.0





#37
2-Methylnaphthalene
Concen: 77.372 ng
RT: 12.213 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

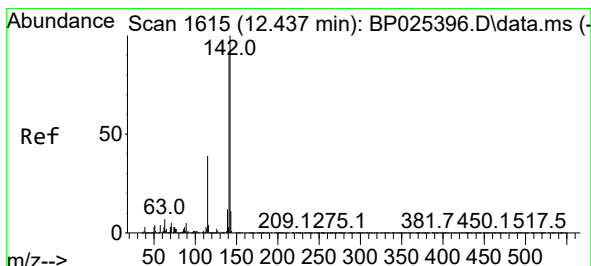
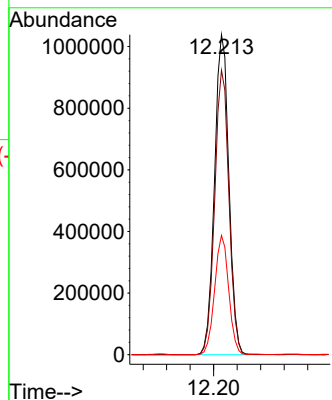
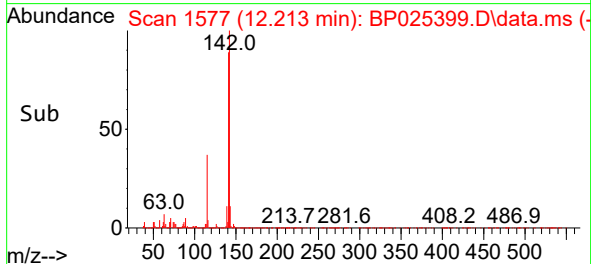
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



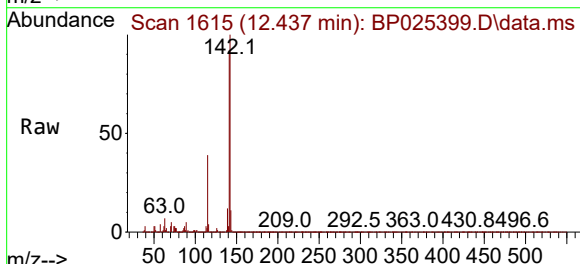
Tgt Ion:142 Resp: 1761329
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5
115 37.2 28.9 43.3

Manual Integrations
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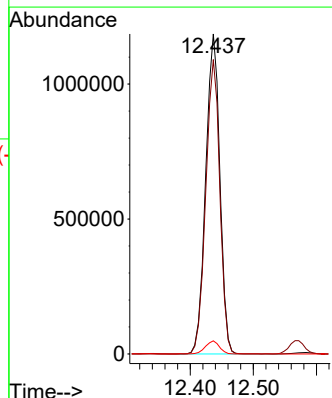
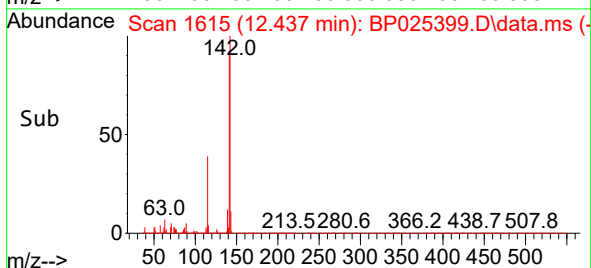
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

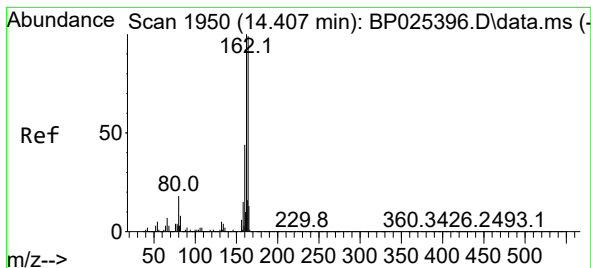


#38
1-Methylnaphthalene
Concen: 76.186 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



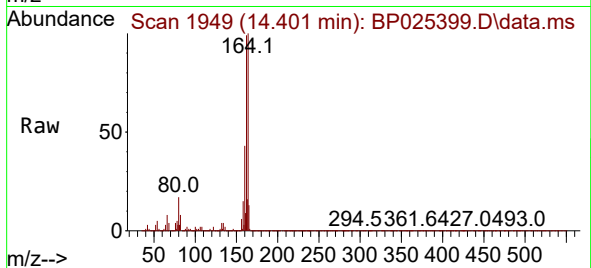
Tgt Ion:142 Resp: 1844376
Ion Ratio Lower Upper
142 100
141 92.0 73.1 109.7
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

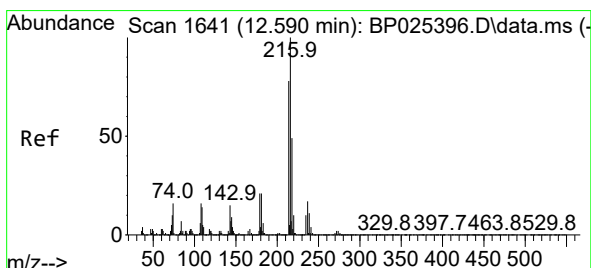
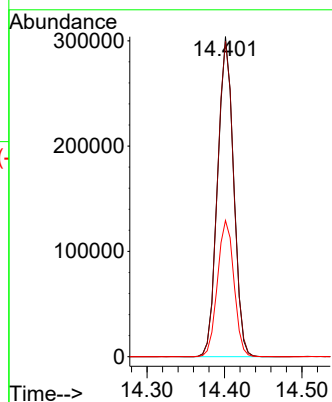
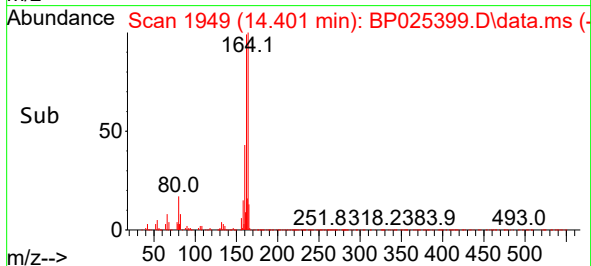
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



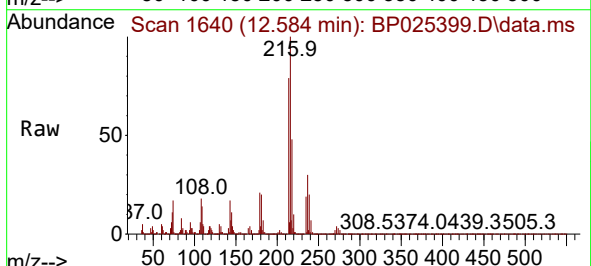
Tgt Ion:164 Resp: 436040
Ion Ratio Lower Upper
164 100
162 98.6 81.0 121.6
160 42.6 35.4 53.2

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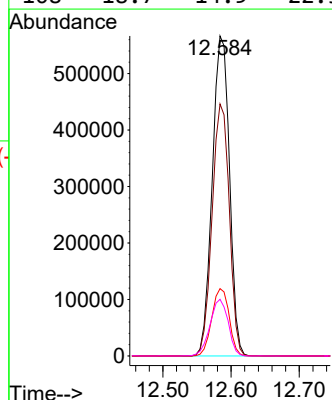
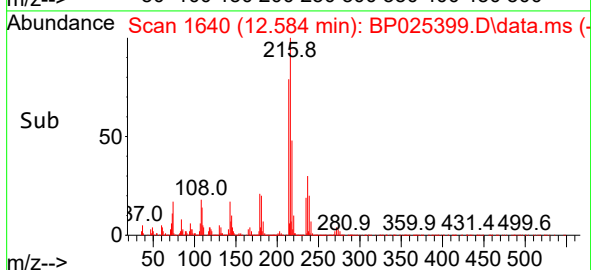
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

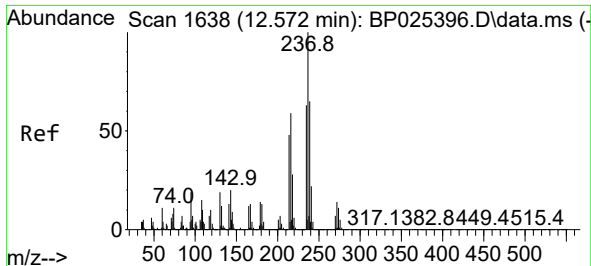


#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.014 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



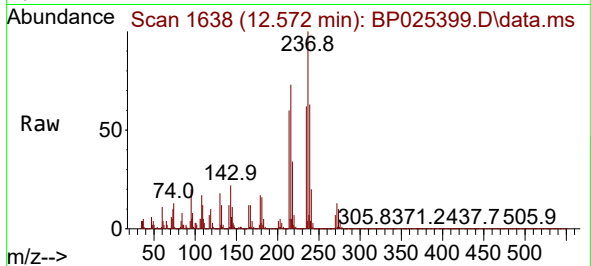
Tgt Ion:216 Resp: 995064
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 21.2 17.1 25.7
108 18.7 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 87.916 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

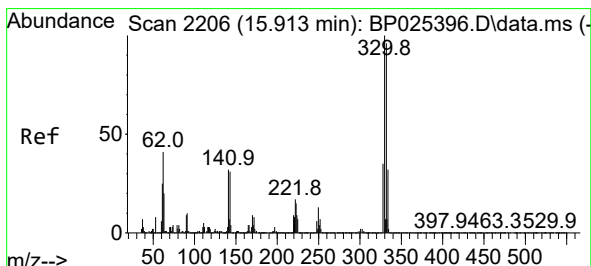
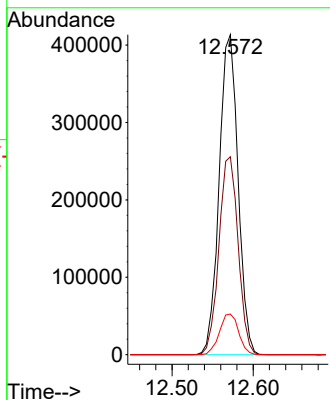
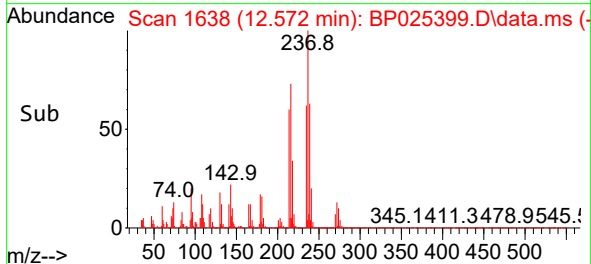
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



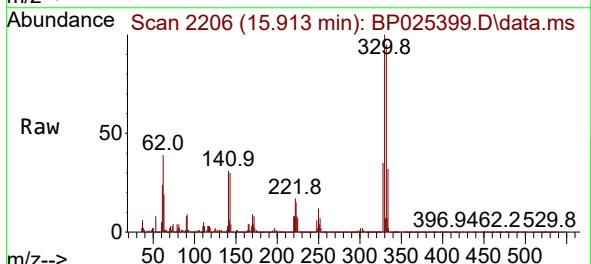
Tgt Ion: 237 Resp: 66877
Ion Ratio Lower Upper
237 100
235 61.9 42.7 82.7
272 12.7 0.0 34.0

Manual Integrations
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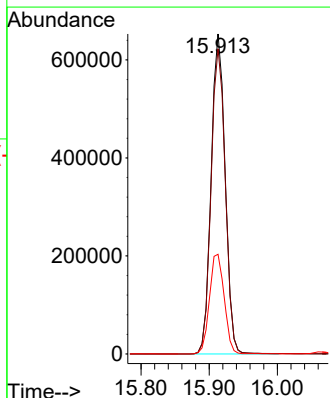
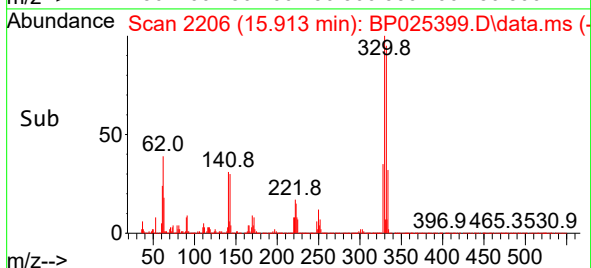
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

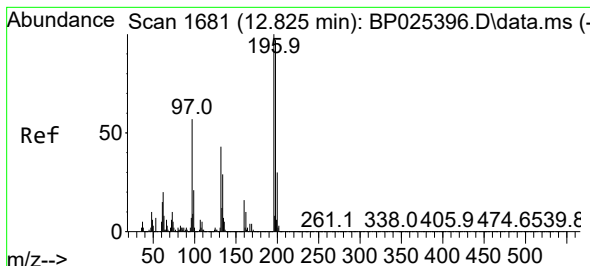


#42
2,4,6-Tribromophenol
Concen: 159.559 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



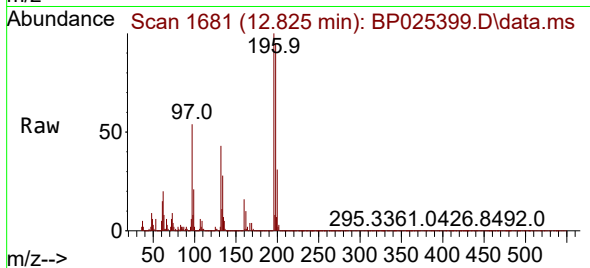
Tgt Ion: 330 Resp: 936489
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 32.8 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 83.096 ng
RT: 12.825 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

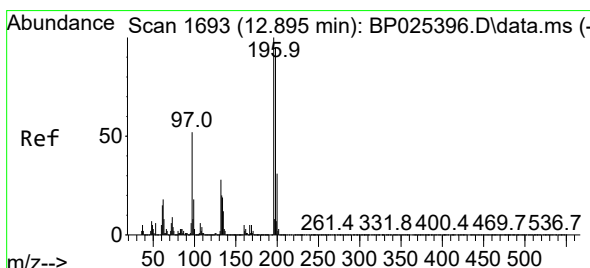
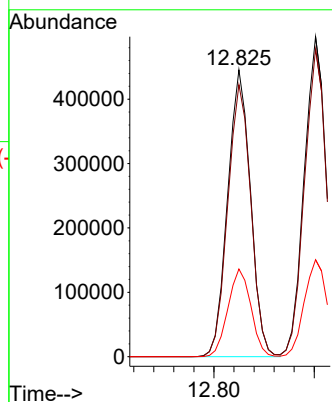
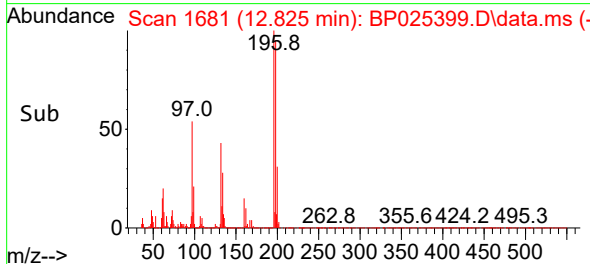
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



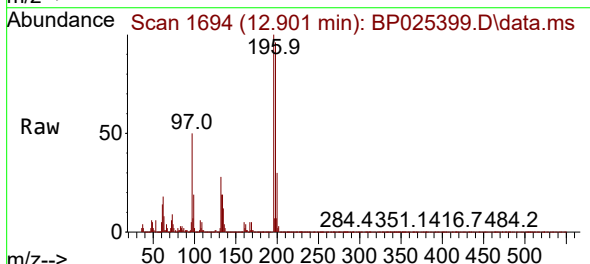
Tgt Ion:196 Resp: 706484
Ion Ratio Lower Upper
196 100
198 94.8 77.2 115.8
200 30.5 23.9 35.9

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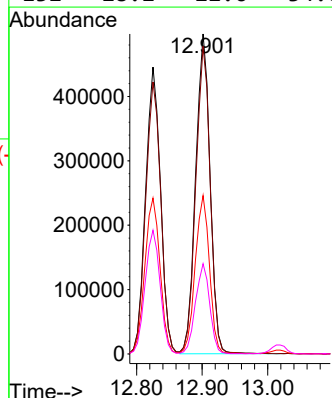
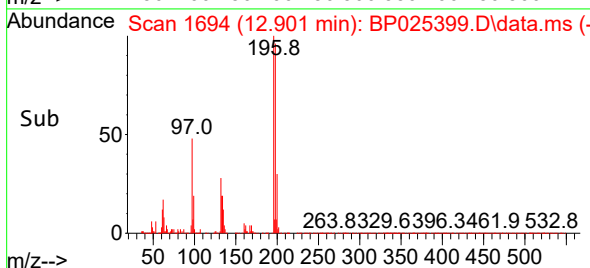
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

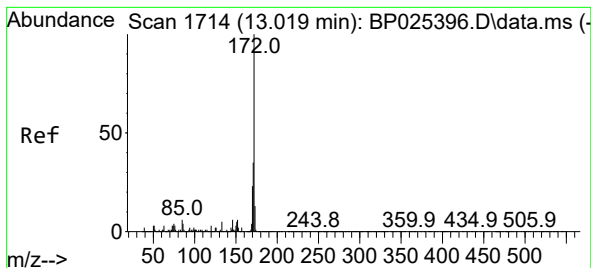


#44
2,4,5-Trichlorophenol
Concen: 81.870 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



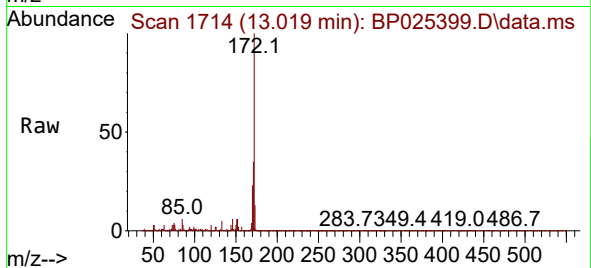
Tgt Ion:196 Resp: 762861
Ion Ratio Lower Upper
196 100
198 96.1 76.2 114.2
97 49.5 41.2 61.8
132 28.2 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 147.705 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

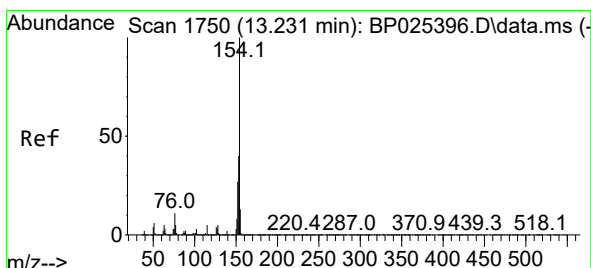
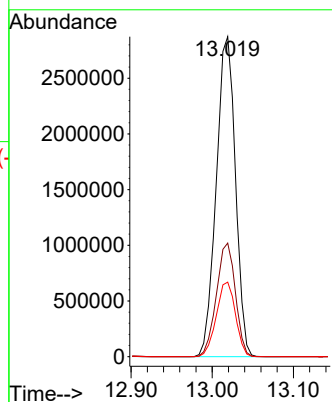
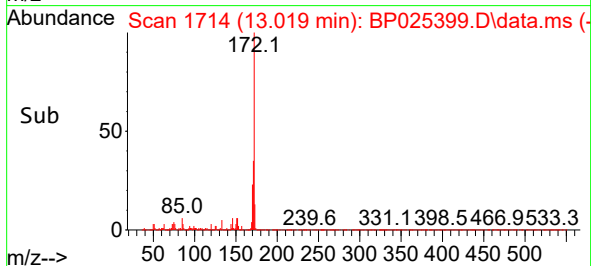
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



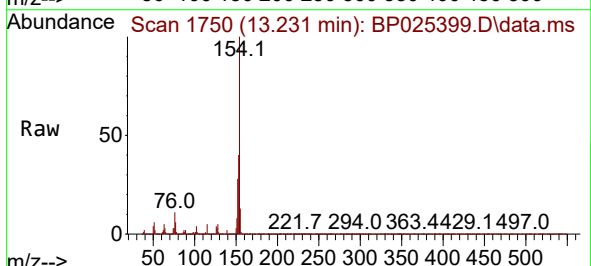
Tgt Ion:172 Resp: 471259
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.3 18.6 28.0

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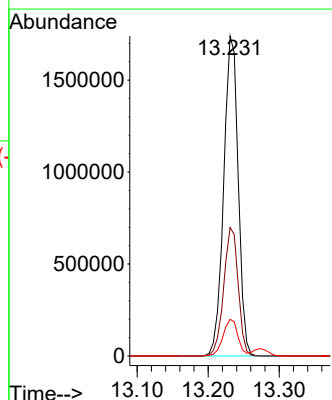
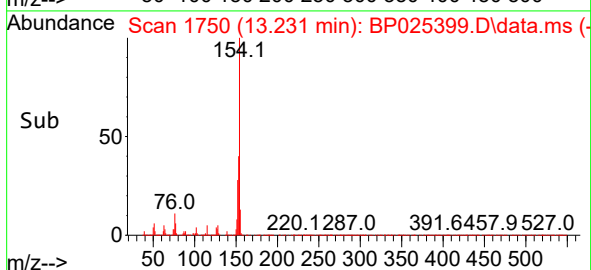
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

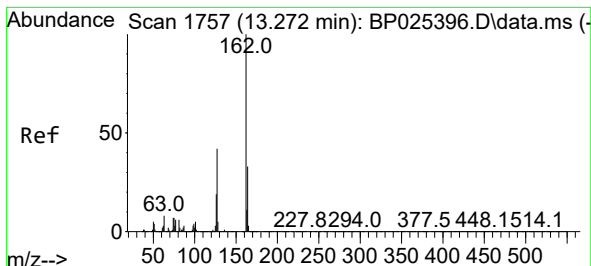


#46
1,1'-Biphenyl
Concen: 77.476 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



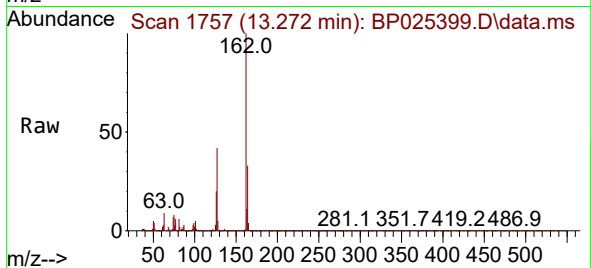
Tgt Ion:154 Resp: 2453536
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.5 0.0 31.1





#47
2-Chloronaphthalene
Concen: 77.804 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

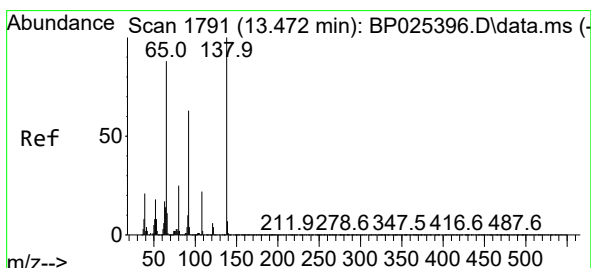
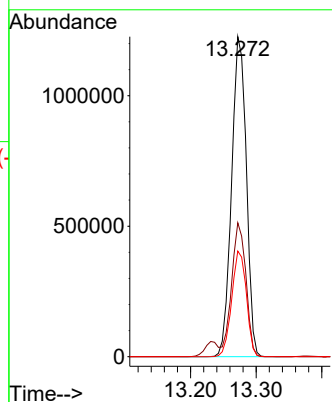
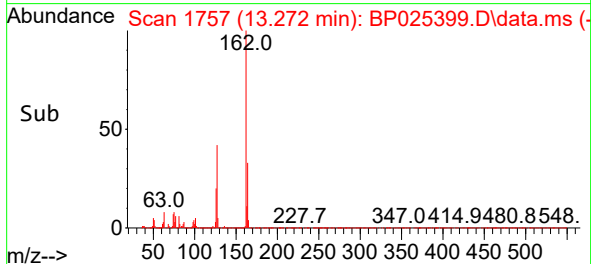
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



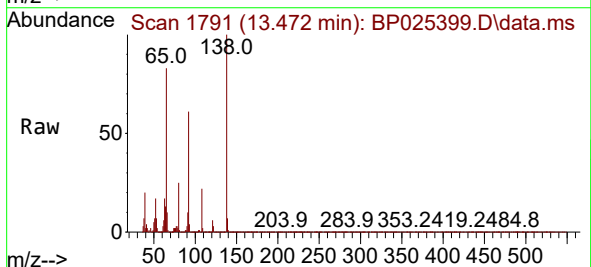
Tgt Ion:162 Resp: 1918120
Ion Ratio Lower Upper
162 100
127 41.9 33.4 50.2
164 33.0 26.2 39.2

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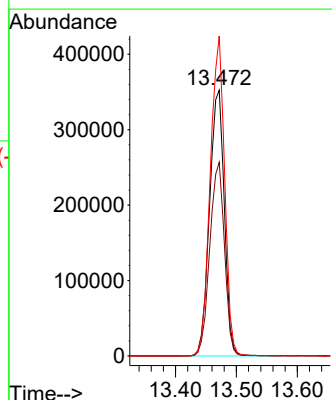
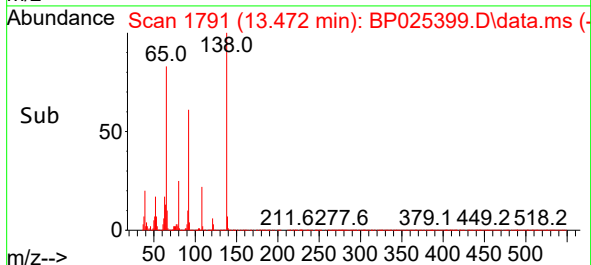
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

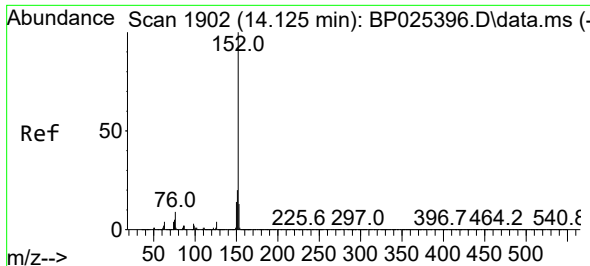


#48
2-Nitroaniline
Concen: 82.788 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



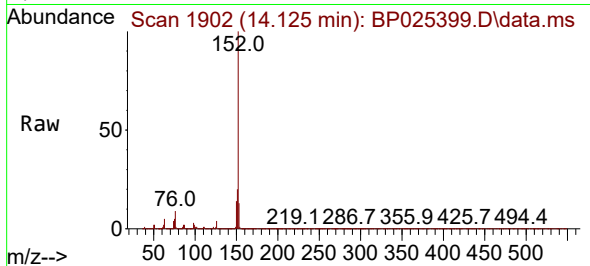
Tgt Ion: 65 Resp: 594696
Ion Ratio Lower Upper
65 100
92 72.9 57.6 86.4
138 120.4 91.0 136.6





#49
Acenaphthylene
Concen: 78.318 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

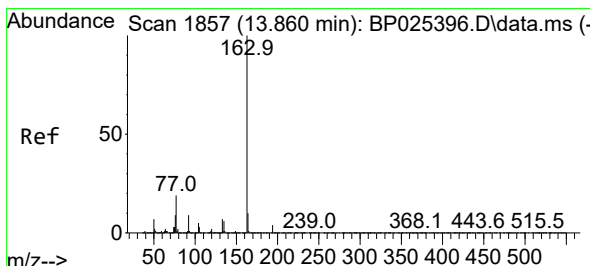
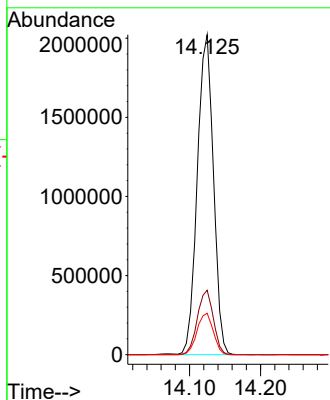
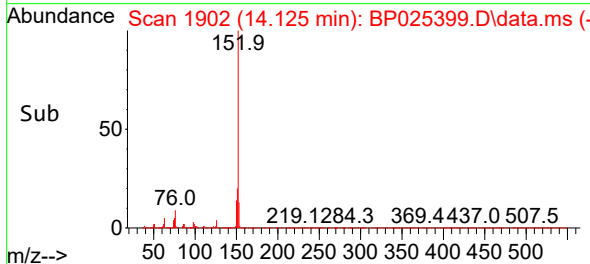
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



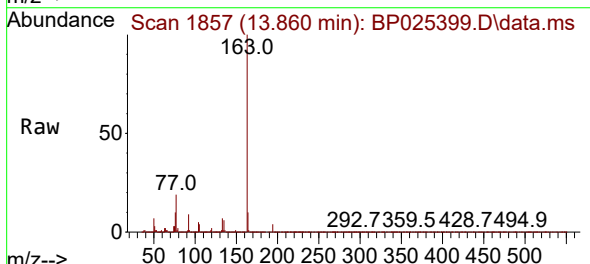
Tgt Ion:152 Resp: 3194918
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.0 10.6 15.8

Manual Integrations
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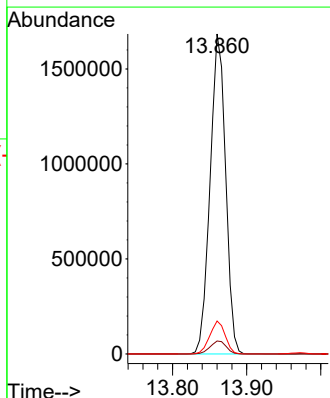
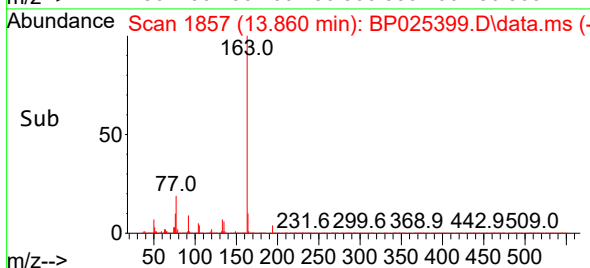
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

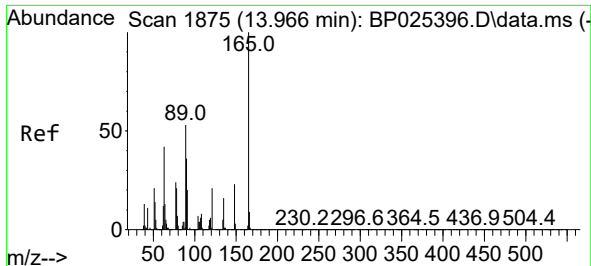


#50
Dimethylphthalate
Concen: 76.632 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



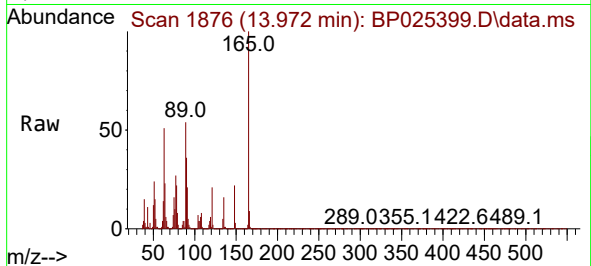
Tgt Ion:163 Resp: 2446951
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.3 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 80.639 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

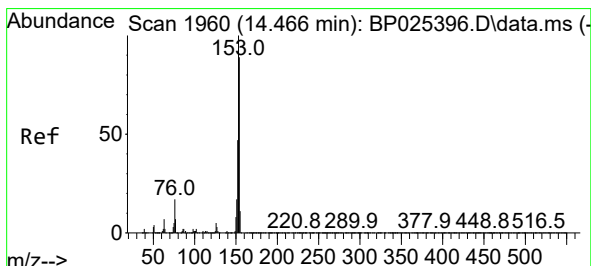
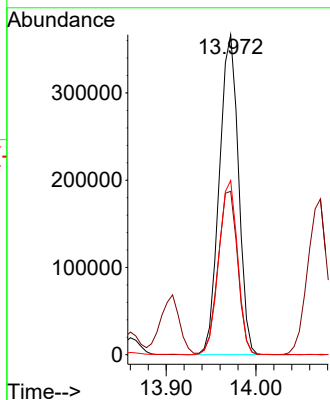
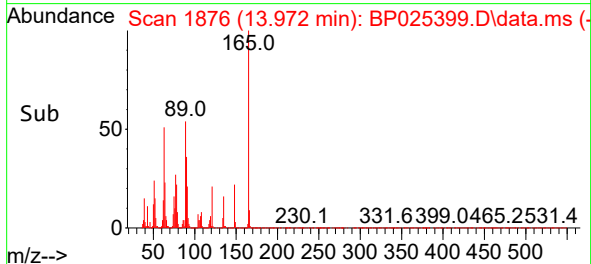
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 542710
Ion Ratio Lower Upper
165 100
63 51.0 40.9 61.3
89 54.4 42.1 63.1

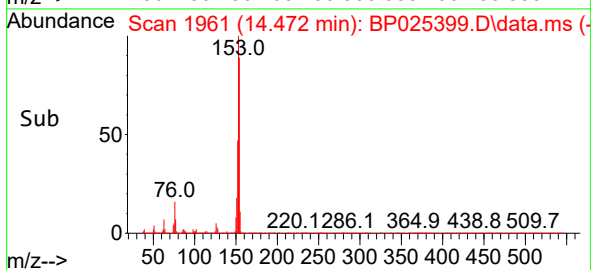
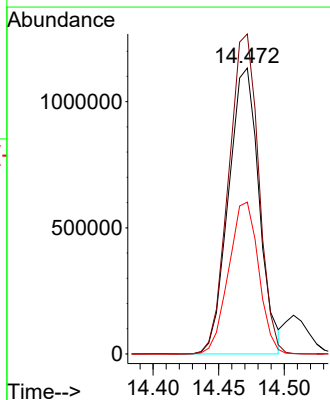
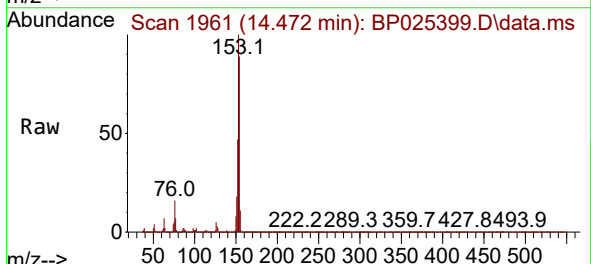
Manual Integrations
APPROVED

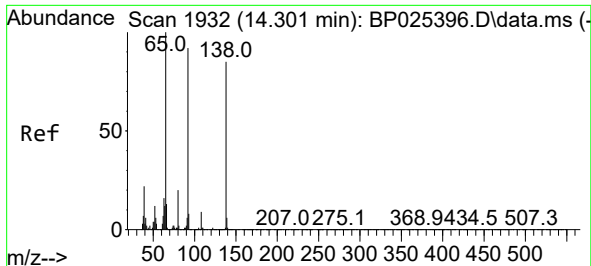
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#52
Acenaphthene
Concen: 76.902 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

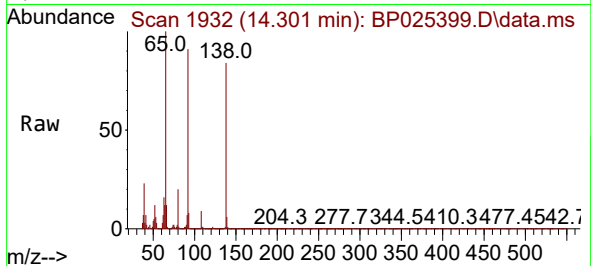
Tgt Ion:154 Resp: 1841448
Ion Ratio Lower Upper
154 100
153 111.9 90.2 135.2
152 53.1 42.1 63.1





#53
3-Nitroaniline
Concen: 81.627 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

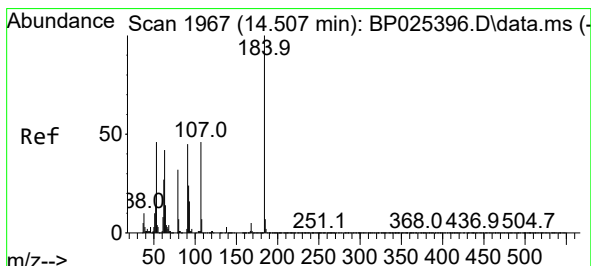
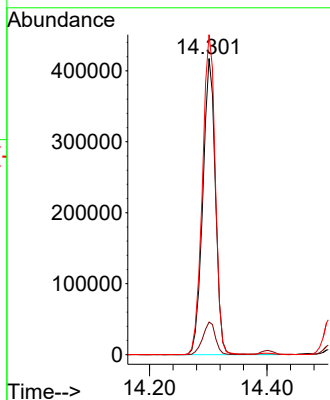
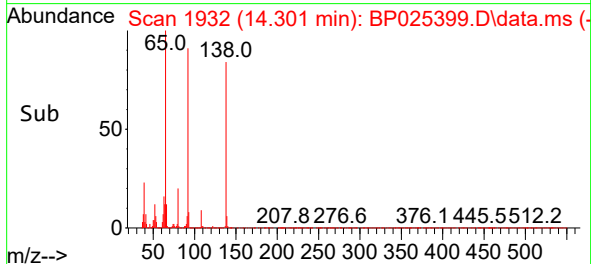
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



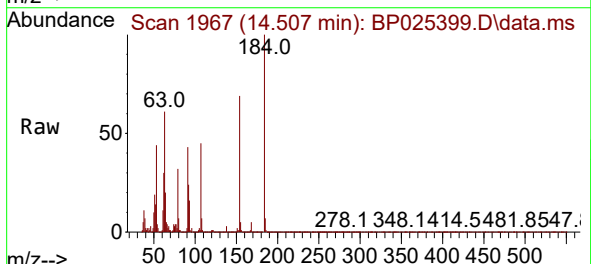
Tgt Ion:138 Resp: 61808
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 108.1 86.2 129.2

Manual Integrations
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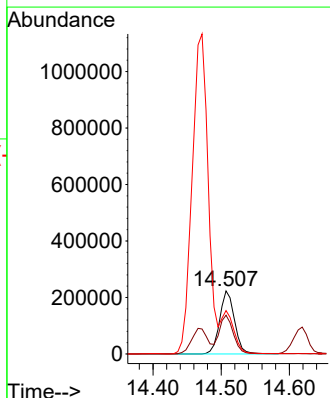
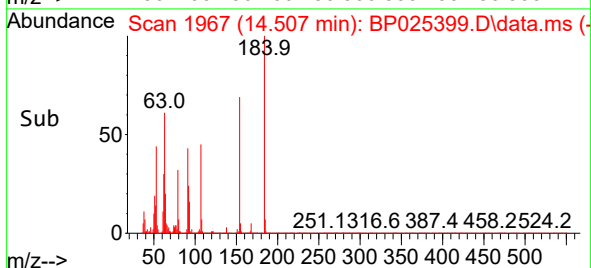
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

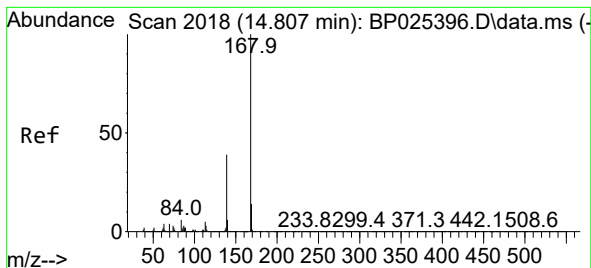


#54
2,4-Dinitrophenol
Concen: 94.356 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



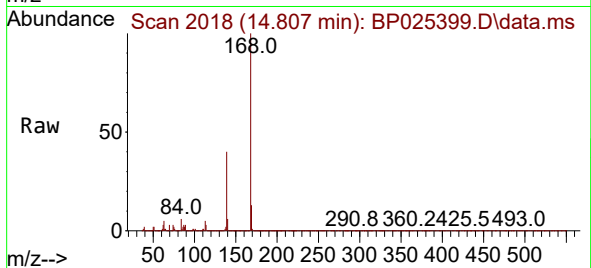
Tgt Ion:184 Resp: 339125
Ion Ratio Lower Upper
184 100
63 61.4 49.4 74.2
154 68.6 54.6 82.0





#55
Dibenzenofuran
Concen: 77.023 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

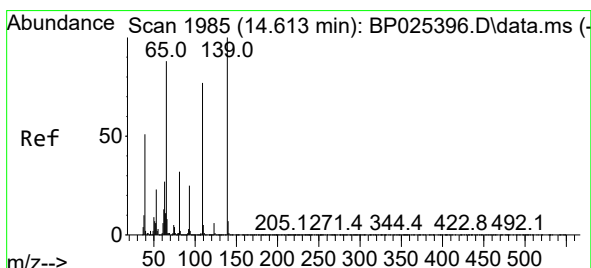
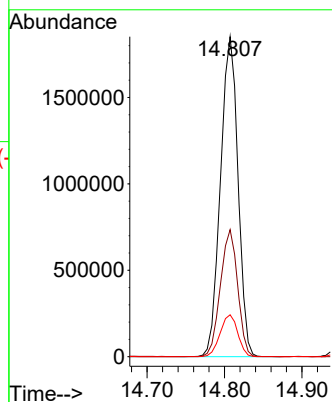
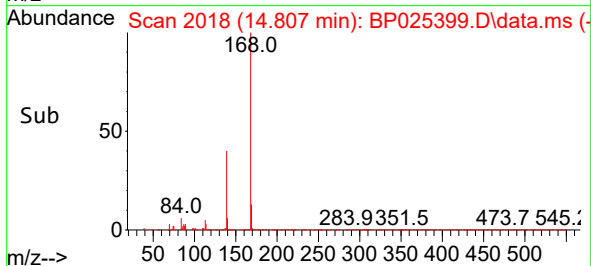
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



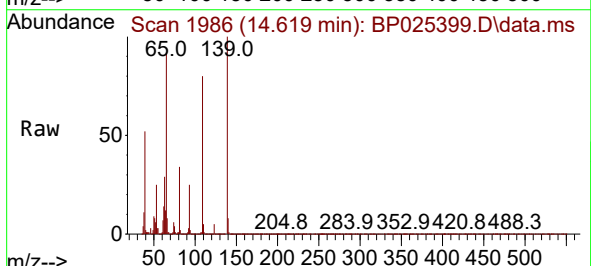
Tgt Ion:168 Resp: 291593
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.1 10.9 16.3

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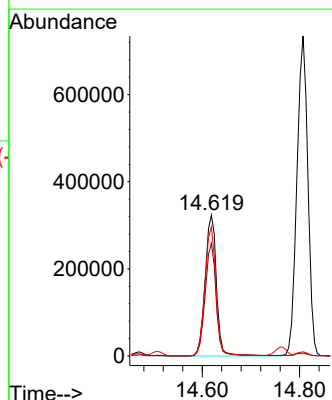
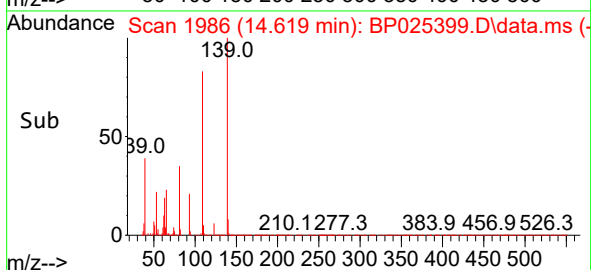
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

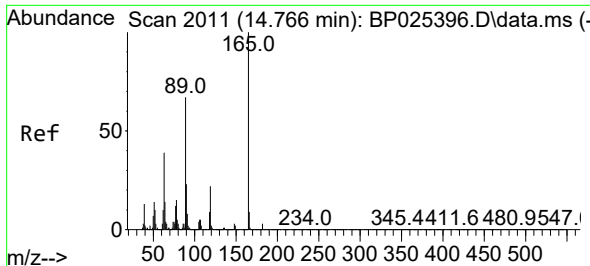


#56
4-Nitrophenol
Concen: 83.618 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



Tgt Ion:139 Resp: 520294
Ion Ratio Lower Upper
139 100
109 80.0 56.6 96.6
65 91.5 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 82.399 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

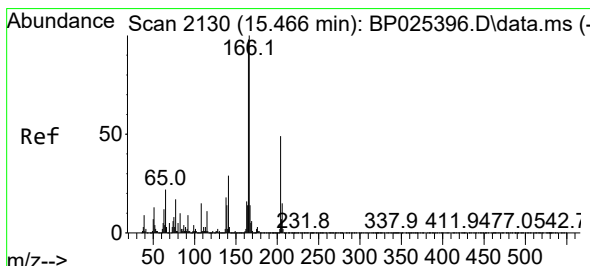
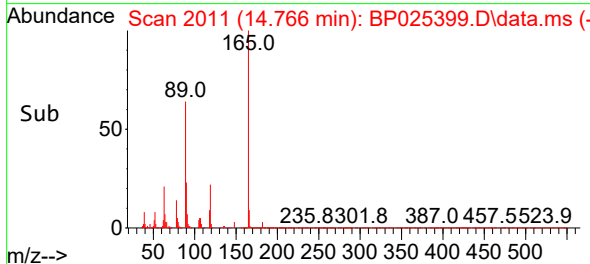
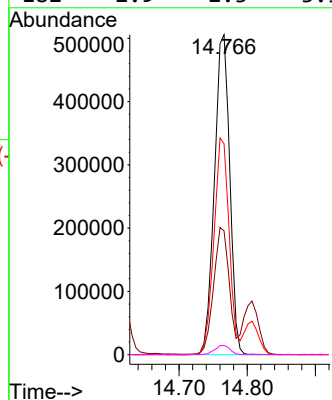
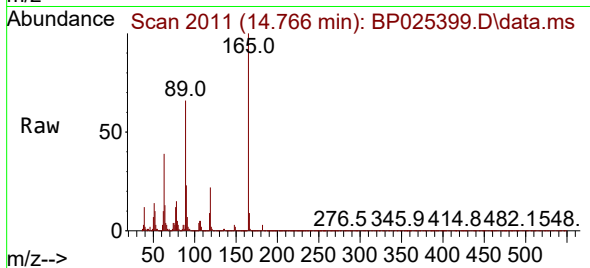
ClientSampleId :

SSTDICC080

Tgt Ion:165 Resp: 791214
Ion Ratio Lower Upper
165 100
63 38.7 31.4 47.2
89 66.0 53.3 79.9
182 2.9 2.3 3.5

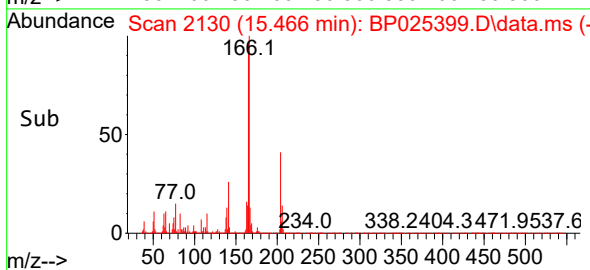
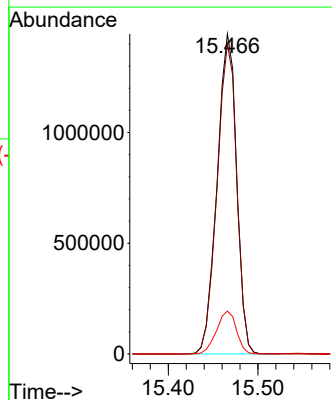
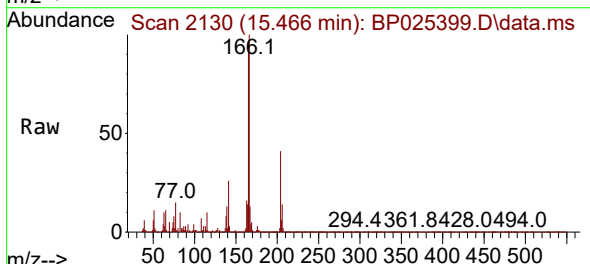
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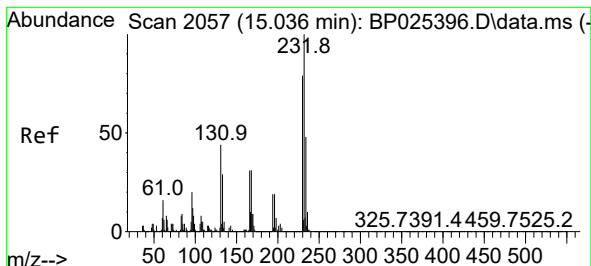
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#58
Fluorene
Concen: 73.164 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

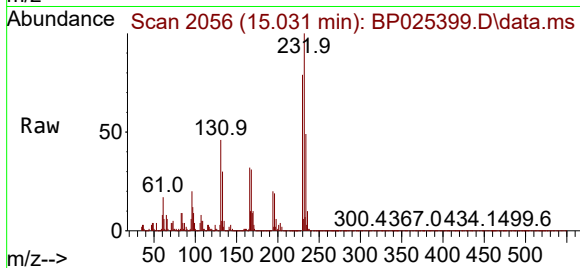
Tgt Ion:166 Resp: 2185593
Ion Ratio Lower Upper
166 100
165 96.8 78.8 118.2
167 13.4 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 80.448 ng
RT: 15.031 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

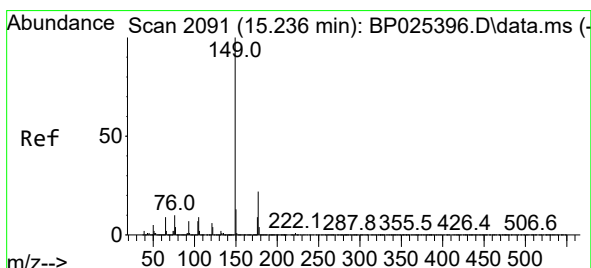
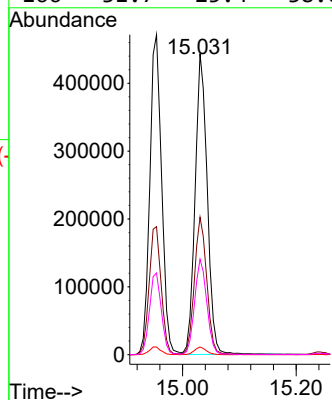
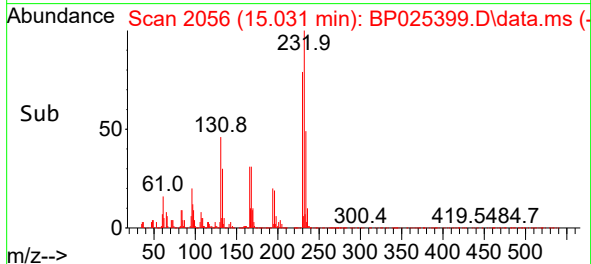
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



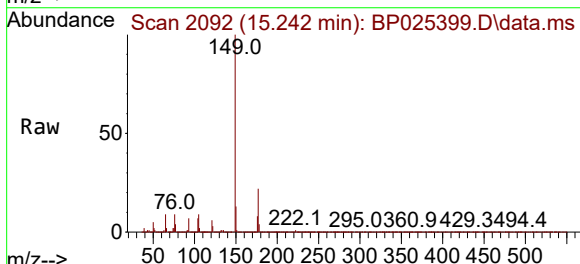
Tgt Ion:232 Resp: 661890
Ion Ratio Lower Upper
232 100
131 45.9 37.0 55.6
130 2.5 1.9 2.9
166 31.7 25.4 38.0

Manual Integrations
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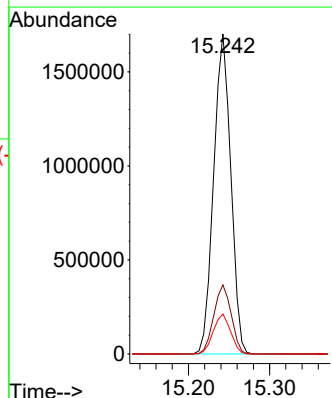
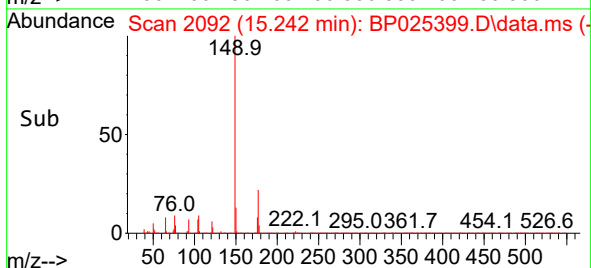
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

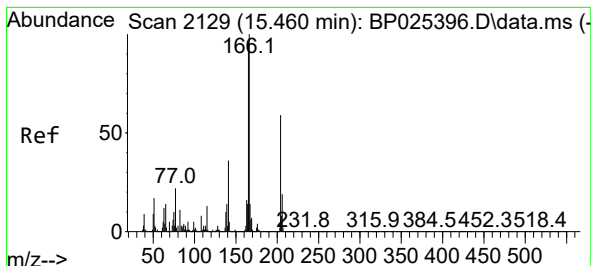


#60
Diethylphthalate
Concen: 76.870 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



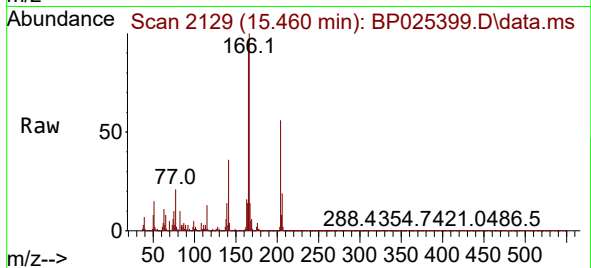
Tgt Ion:149 Resp: 2494087
Ion Ratio Lower Upper
149 100
177 21.6 17.3 25.9
150 12.5 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 74.388 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

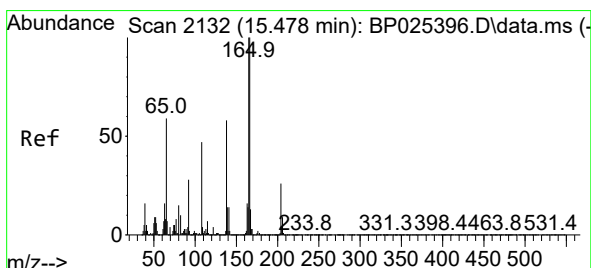
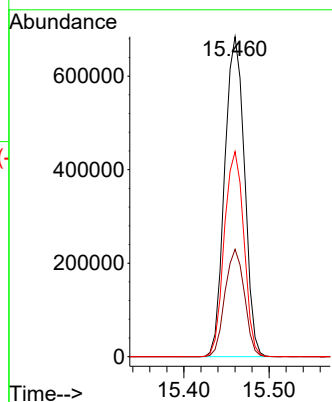
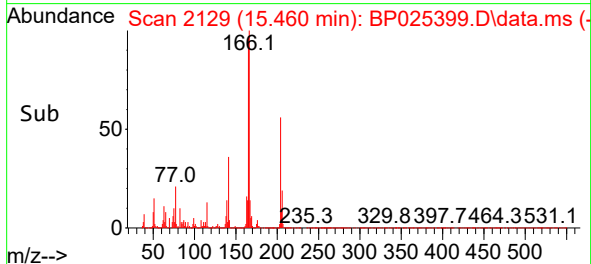
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



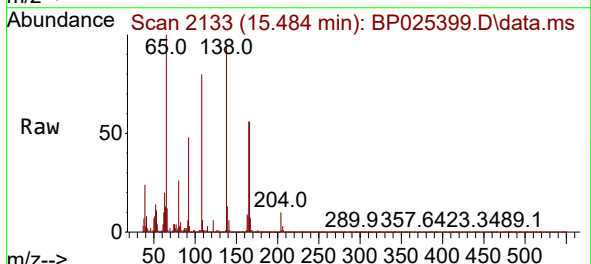
Tgt Ion: 204 Resp: 110515
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 64.1 49.4 74.2

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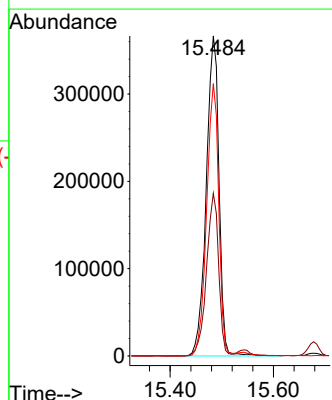
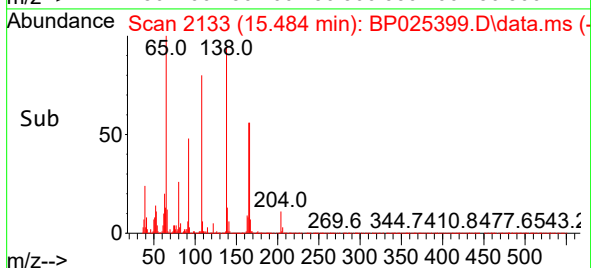
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

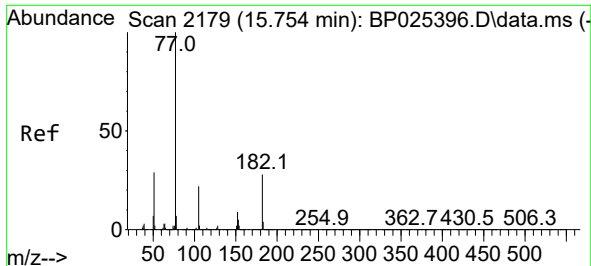


#62
4-Nitroaniline
Concen: 80.710 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



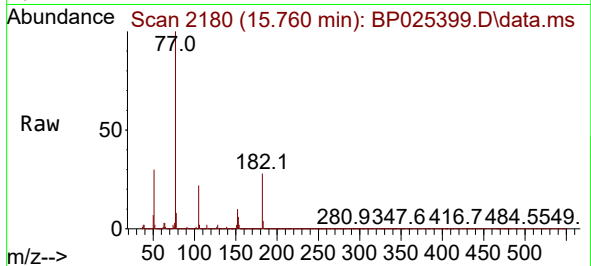
Tgt Ion: 138 Resp: 626525
Ion Ratio Lower Upper
138 100
92 50.8 29.1 69.1
108 85.1 61.5 101.5





#63
Azobenzene
Concen: 77.017 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

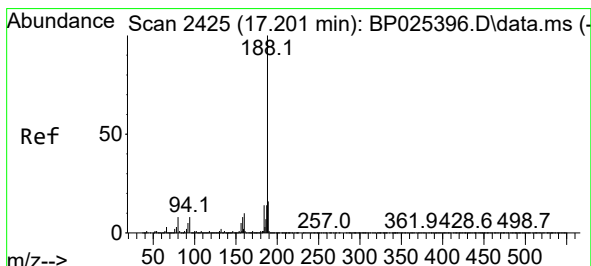
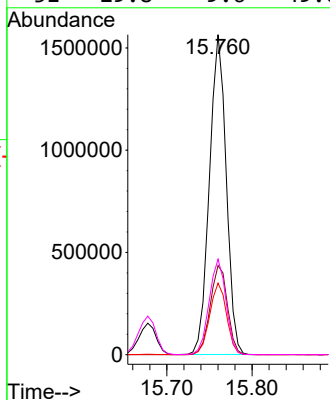
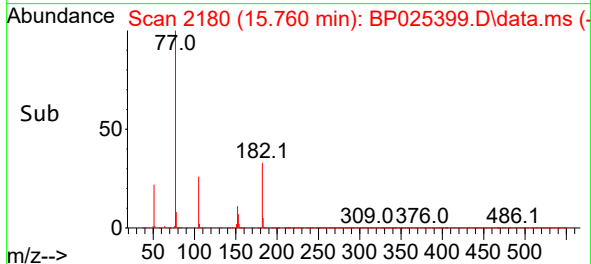
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



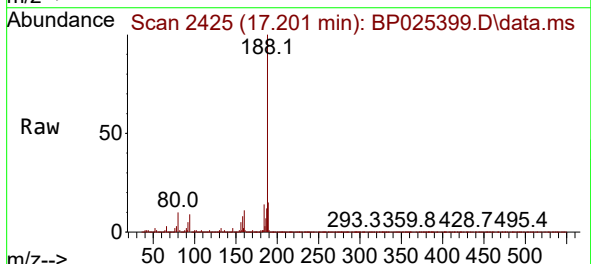
Tgt Ion: 77 Resp: 2139674
Ion Ratio Lower Upper
77 100
182 27.9 7.5 47.5
105 22.3 2.1 42.1
51 29.8 9.6 49.6

Manual Integrations
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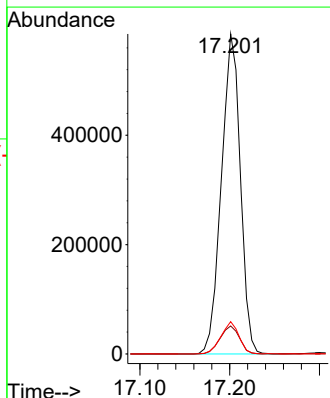
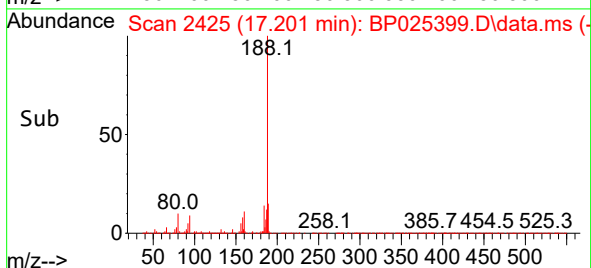
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

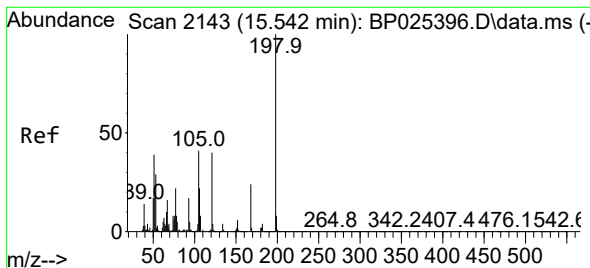


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



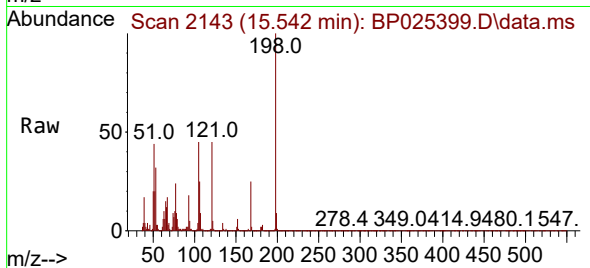
Tgt Ion:188 Resp: 856946
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 10.1 6.7 10.1#





#65
4,6-Dinitro-2-methylphenol
Concen: 88.473 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

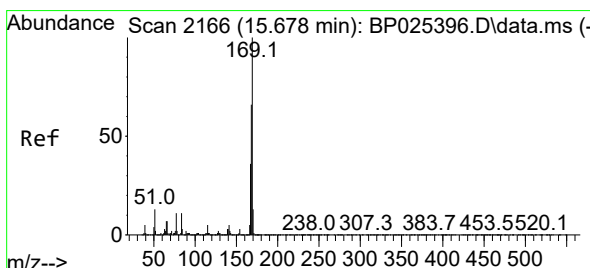
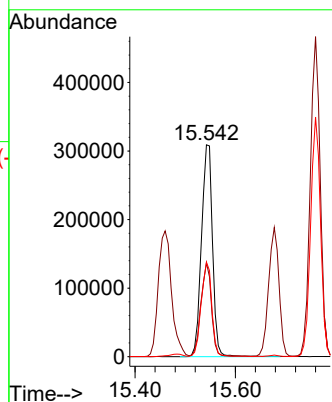
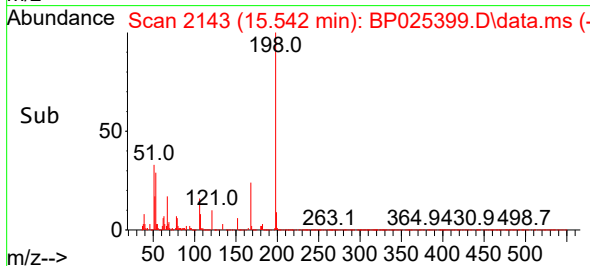
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:198 Resp: 472602
Ion Ratio Lower Upper
198 100
51 44.3 19.6 59.6
105 44.6 20.9 60.9

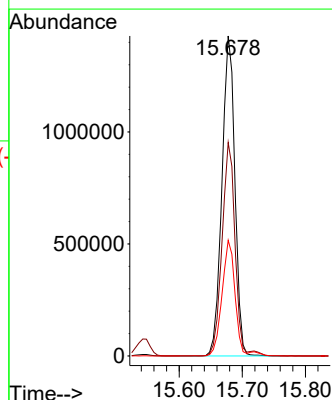
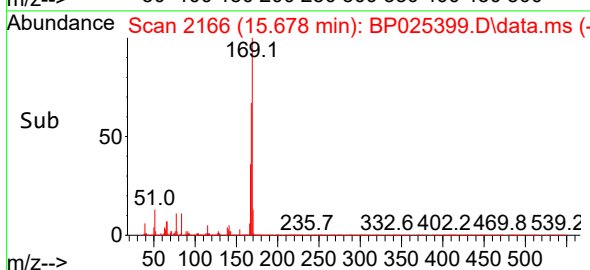
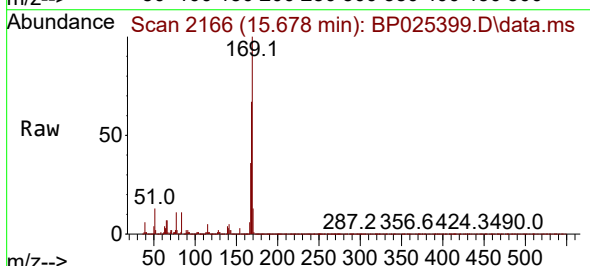
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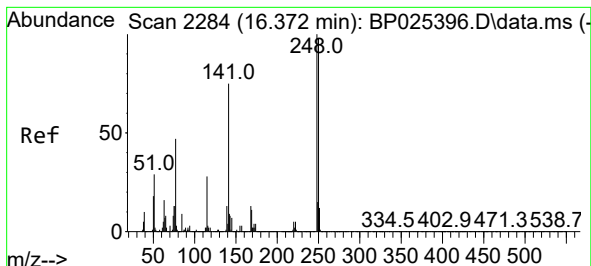
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 77.866 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

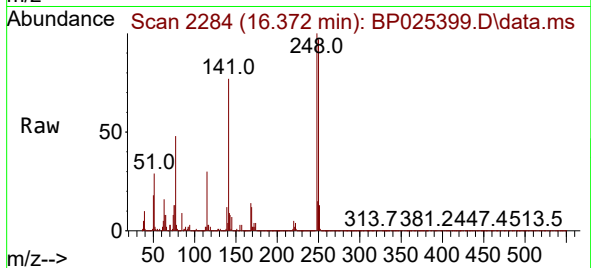
Tgt Ion:169 Resp: 2034782
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 36.2 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 79.144 ng
RT: 16.372 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

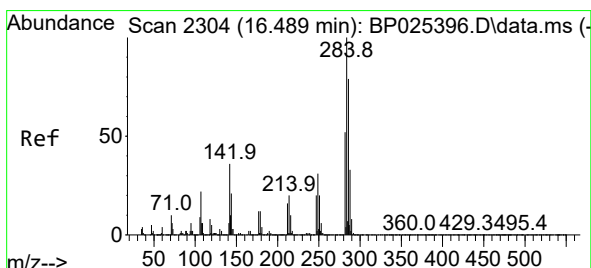
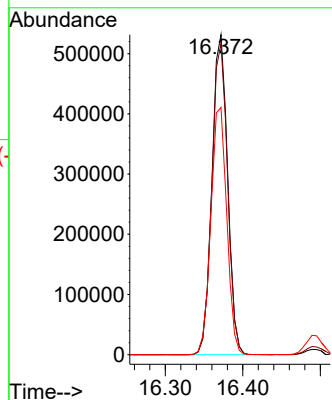
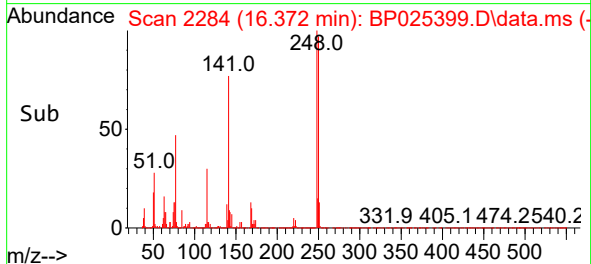
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



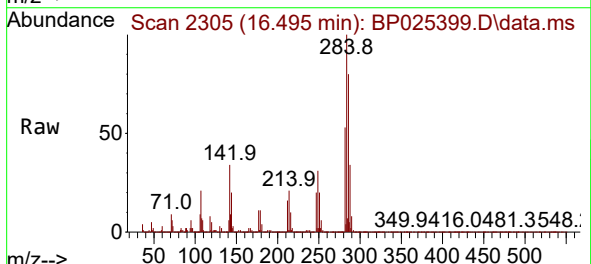
Tgt Ion:248 Resp: 745915
Ion Ratio Lower Upper
248 100
250 97.2 78.2 117.2
141 77.2 59.6 89.4

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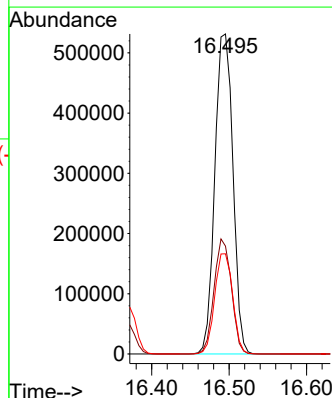
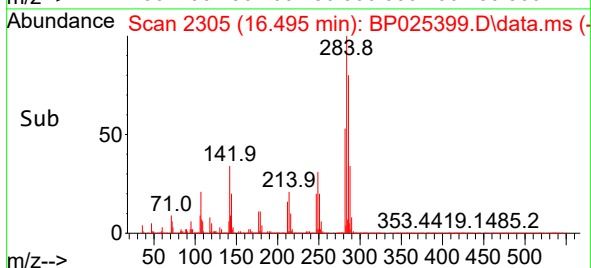
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

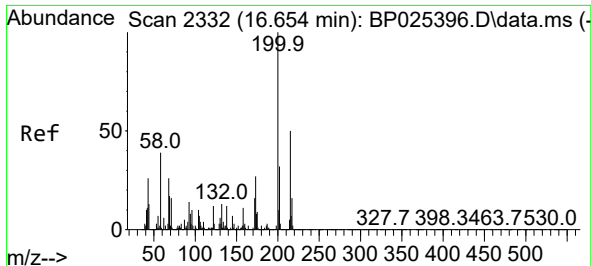


#68
Hexachlorobenzene
Concen: 78.721 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



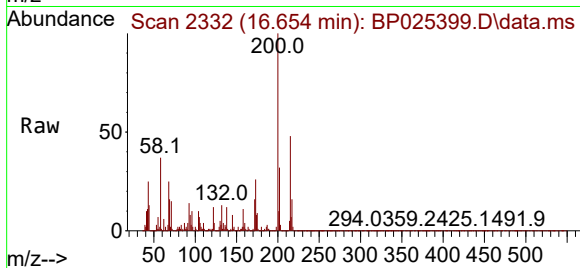
Tgt Ion:284 Resp: 860051
Ion Ratio Lower Upper
284 100
142 33.7 29.1 43.7
249 31.3 25.0 37.4





#69
Atrazine
Concen: 80.064 ng
RT: 16.654 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

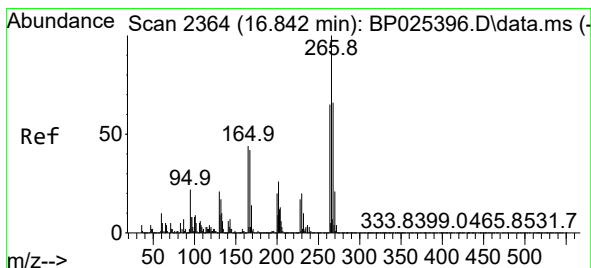
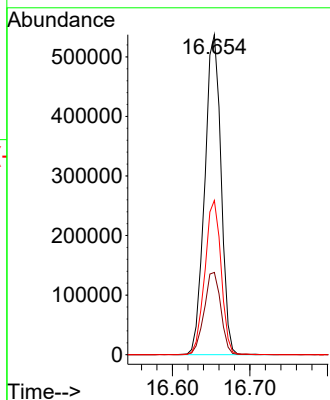
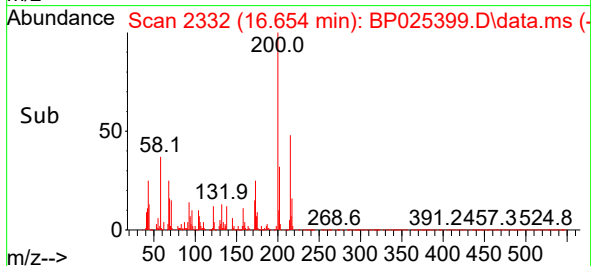
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



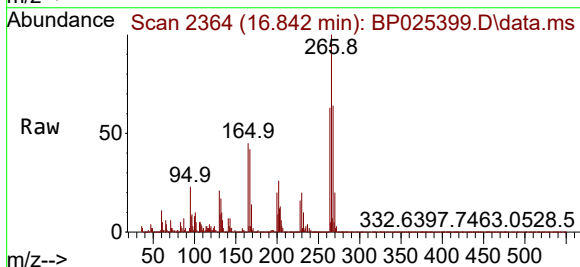
Tgt Ion:200 Resp: 78353
Ion Ratio Lower Upper
200 100
173 25.7 6.7 46.7
215 48.2 29.7 69.7

Manual Integrations
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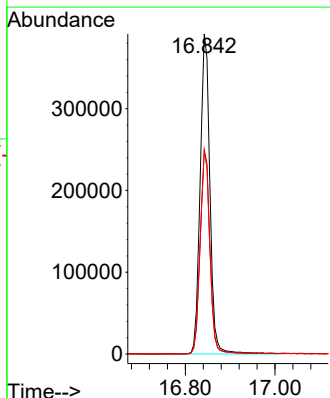
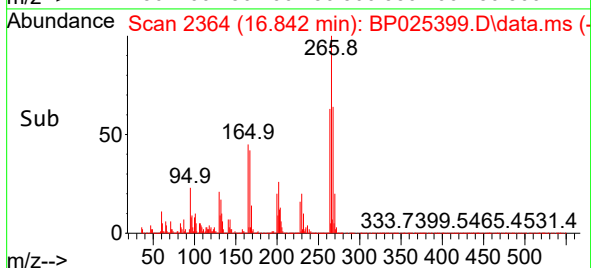
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

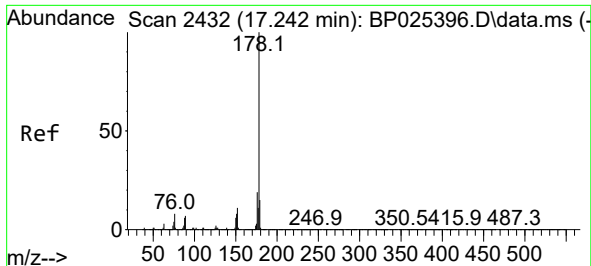


#70
Pentachlorophenol
Concen: 85.502 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



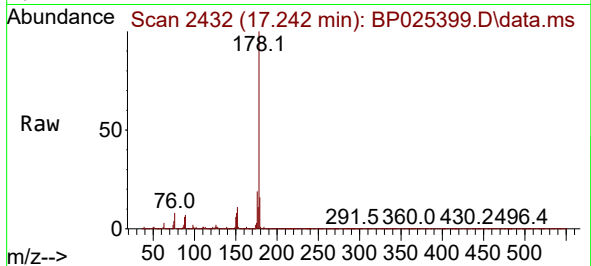
Tgt Ion:266 Resp: 589673
Ion Ratio Lower Upper
266 100
268 63.8 52.6 79.0
264 63.4 52.0 78.0





#71
Phenanthrene
Concen: 76.972 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

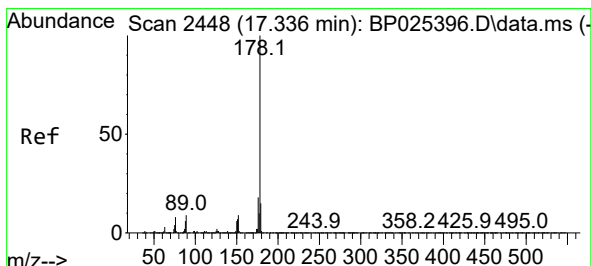
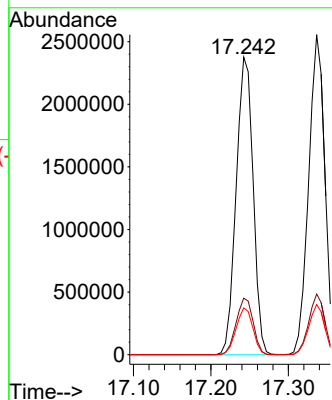
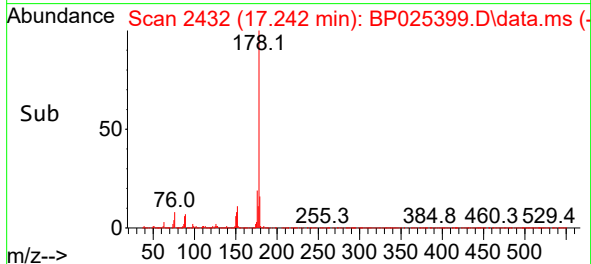
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



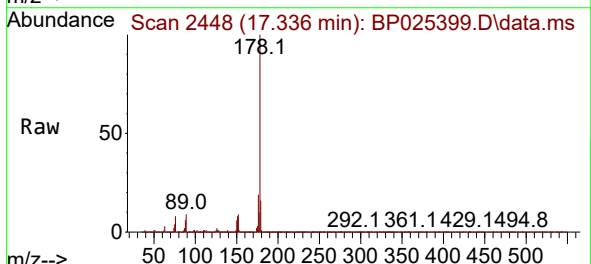
Tgt Ion:178 Resp: 362345
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.2 18.4

Manual Integrations
APPROVED

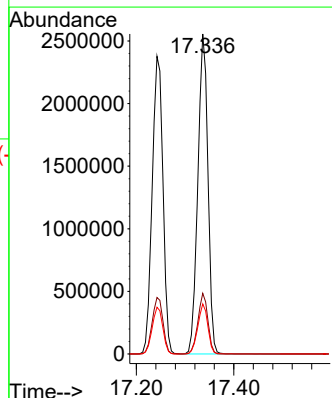
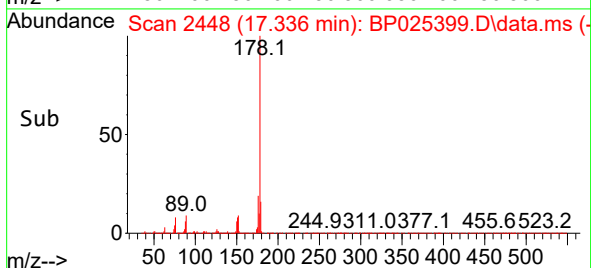
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

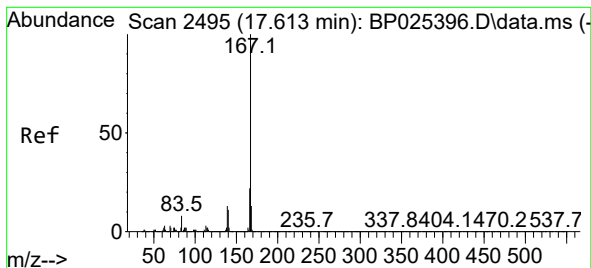


#72
Anthracene
Concen: 77.014 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



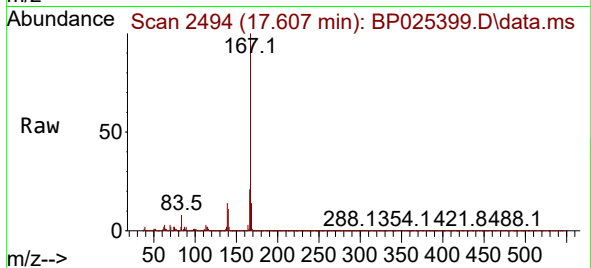
Tgt Ion:178 Resp: 3702277
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.7 12.2 18.2





#73
 Carbazole
 Concen: 77.368 ng
 RT: 17.607 min Scan# 2495
 Delta R.T. -0.006 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

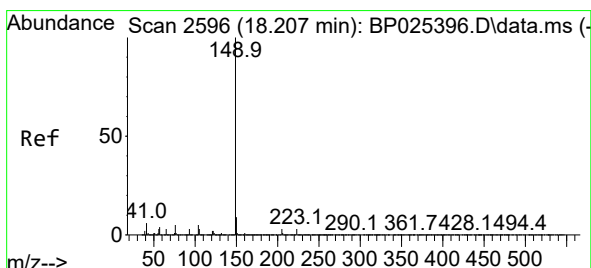
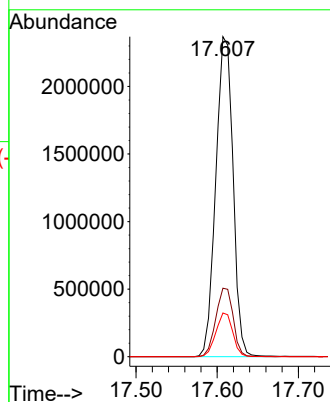
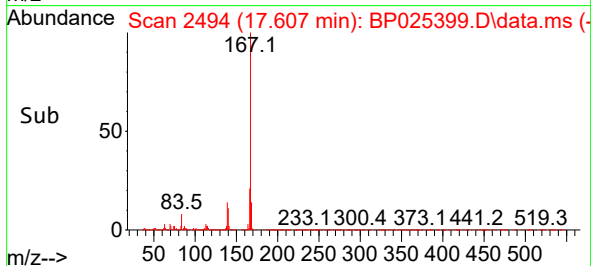
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080



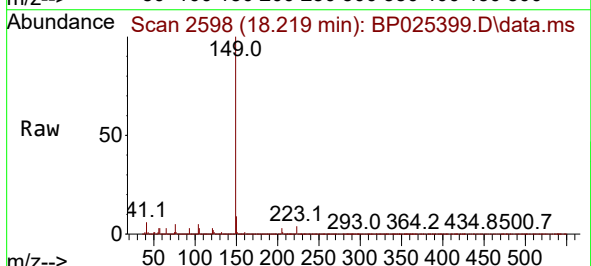
Tgt Ion:167 Resp: 350327
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.5 26.3
 139 13.7 10.6 16.0

Manual Integrations
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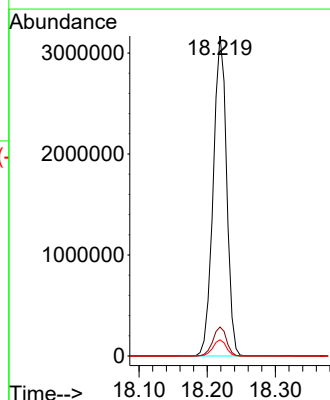
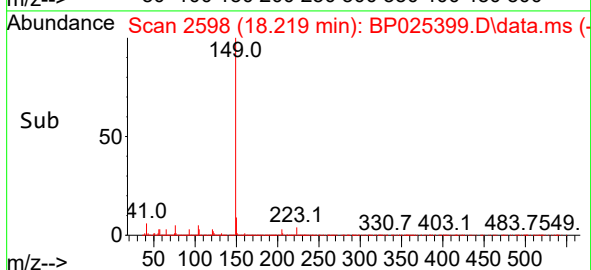
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

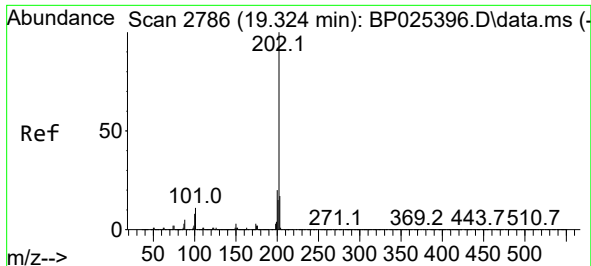


#74
 Di-n-butylphthalate
 Concen: 77.844 ng
 RT: 18.219 min Scan# 2598
 Delta R.T. 0.012 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24



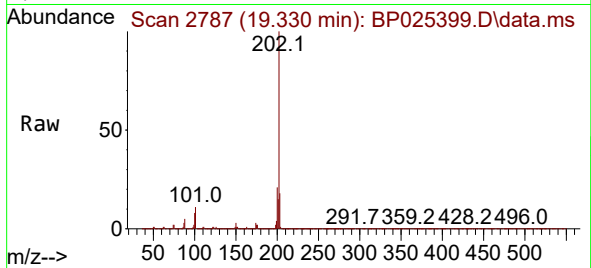
Tgt Ion:149 Resp: 4336701
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.0 4.2 6.2





#75
Fluoranthene
Concen: 76.815 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

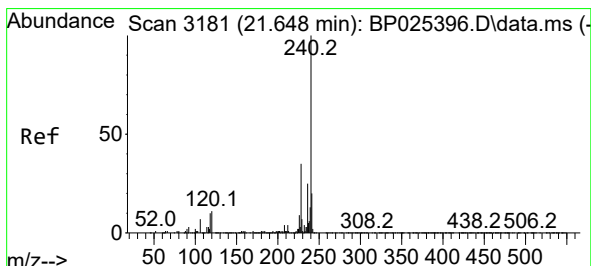
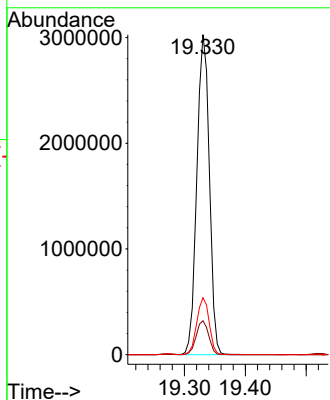
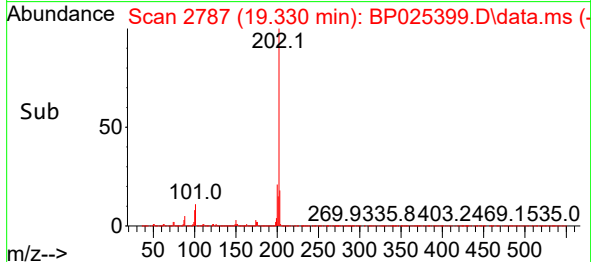
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 431330
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.1
203 17.8 0.0 37.3

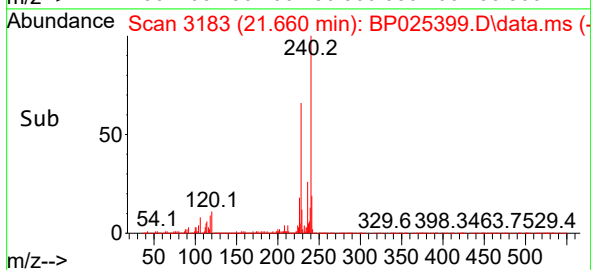
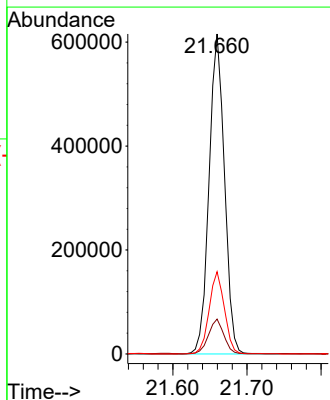
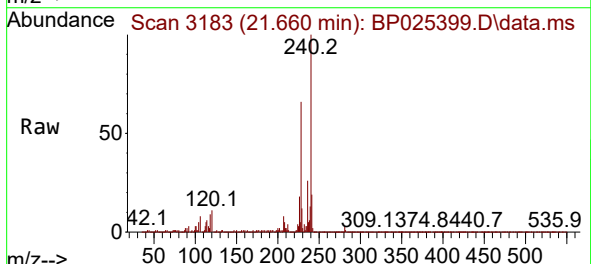
Manual Integrations
APPROVED

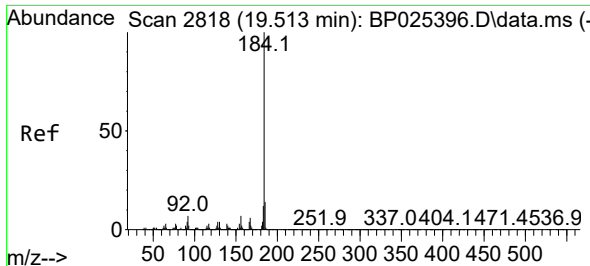
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

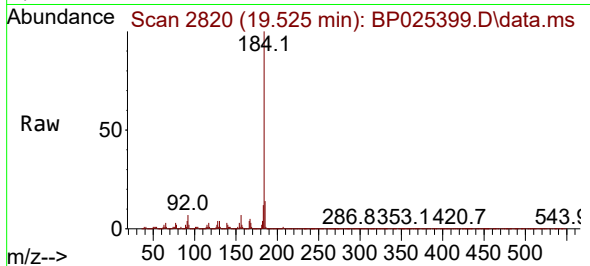
Tgt Ion:240 Resp: 888879
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 25.7 19.8 29.8





#77
Benzidine
Concen: 67.124 ng
RT: 19.525 min Scan# 2820
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

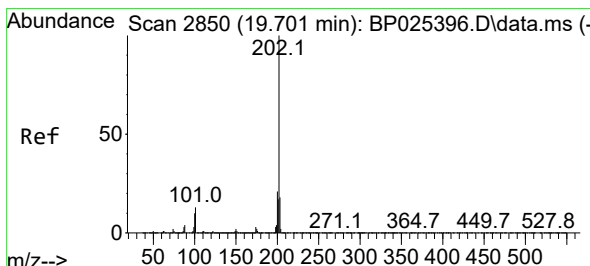
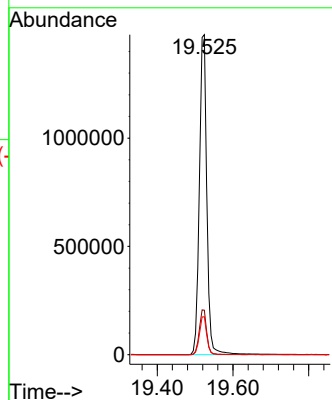
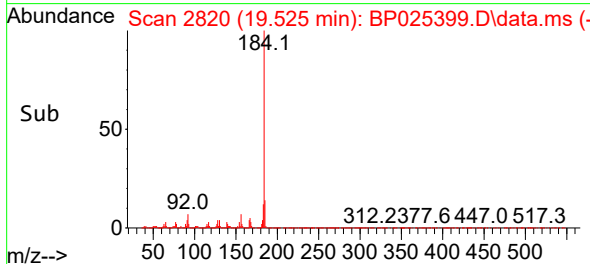
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



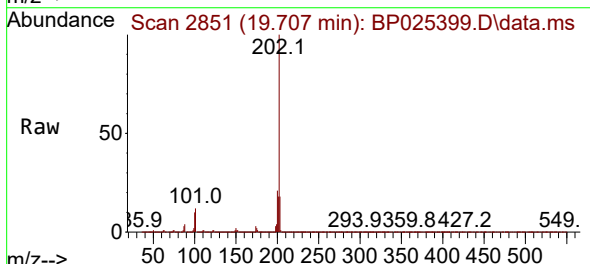
Tgt Ion:184 Resp: 2036240
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 11.9 9.4 14.2

Manual Integrations
APPROVED

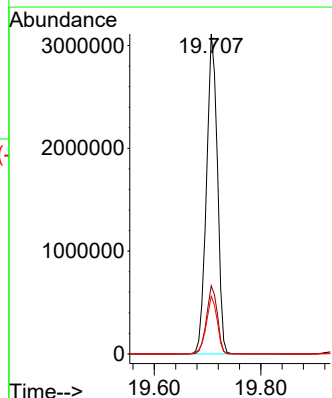
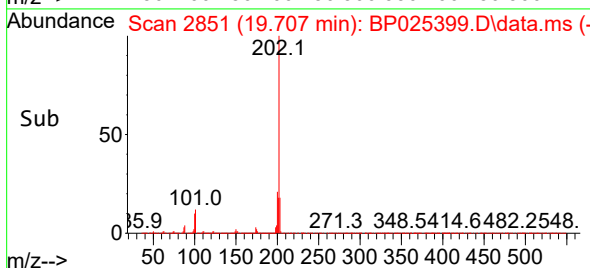
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

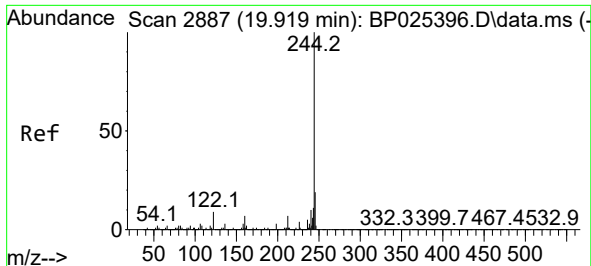


#78
Pyrene
Concen: 76.343 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



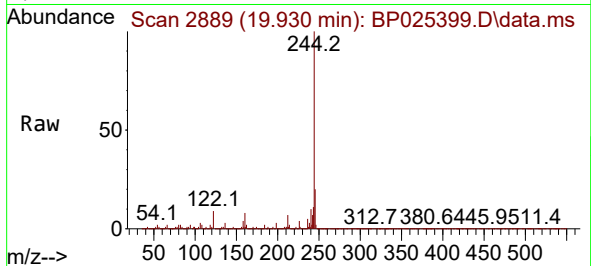
Tgt Ion:202 Resp: 4410693
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 18.1 14.2 21.2





#79
 Terphenyl-d14
 Concen: 146.217 ng
 RT: 19.930 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

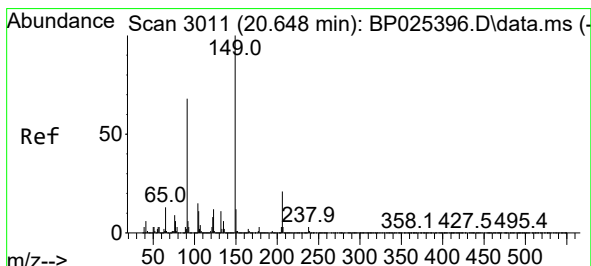
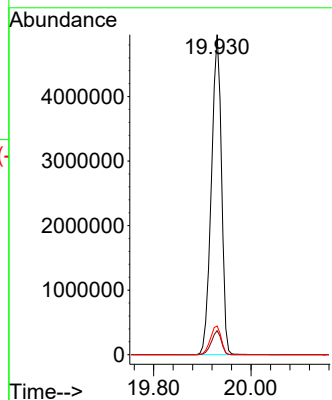
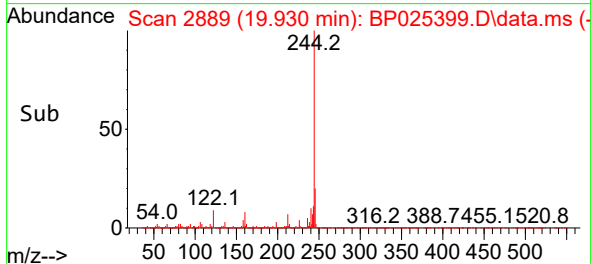
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080



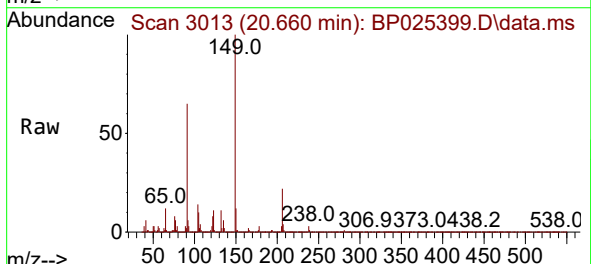
Tgt Ion:244 Resp: 7103810
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 9.0 7.4 11.2

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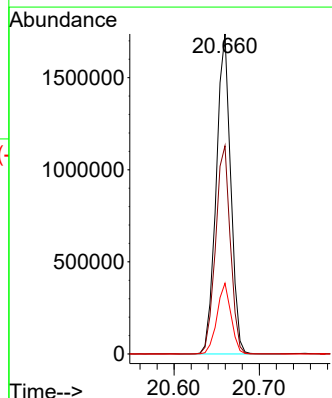
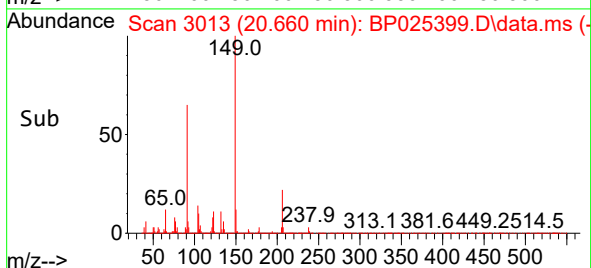
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

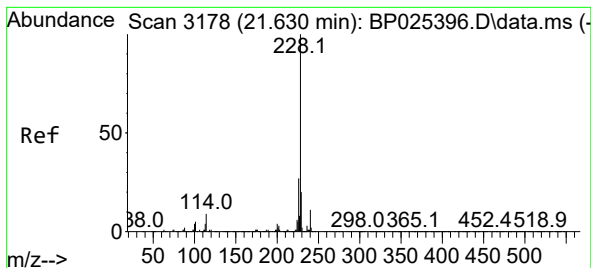


#80
 Butylbenzylphthalate
 Concen: 78.460 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24



Tgt Ion:149 Resp: 2054404
 Ion Ratio Lower Upper
 149 100
 91 65.0 54.2 81.2
 206 22.1 16.6 24.8





#81

Benzo(a)anthracene

Concen: 77.322 ng

RT: 21.642 min Scan# 3180

Delta R.T. 0.012 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:228 Resp: 453276

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

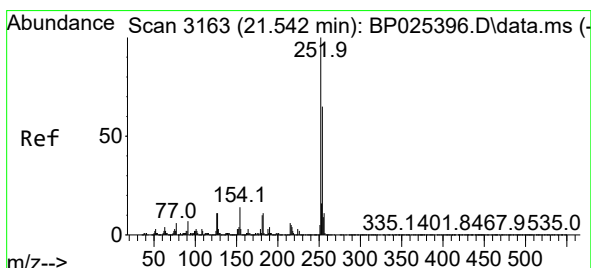
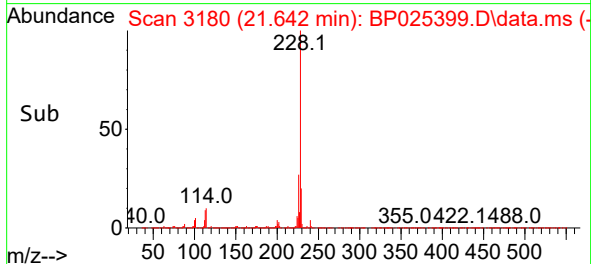
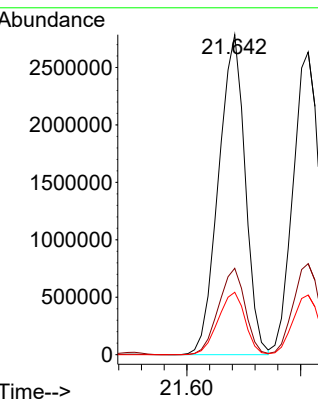
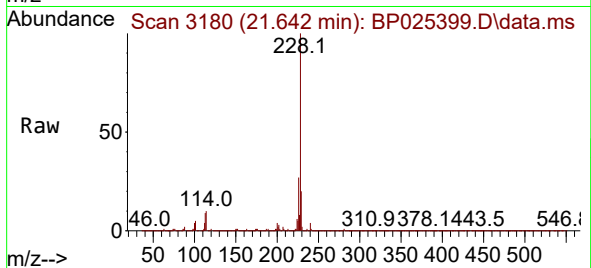
229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 77.197 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.012 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

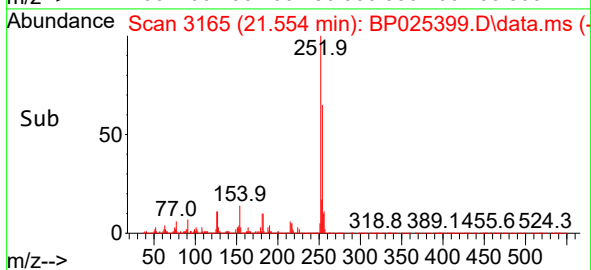
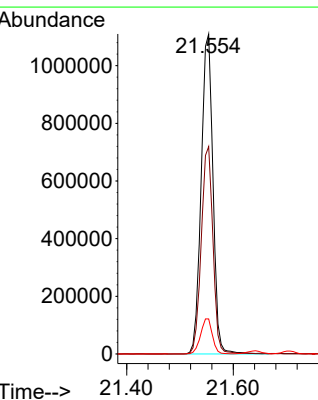
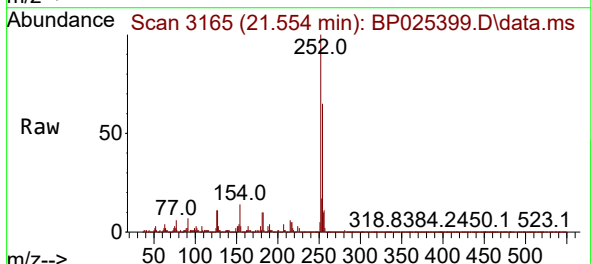
Tgt Ion:252 Resp: 1705746

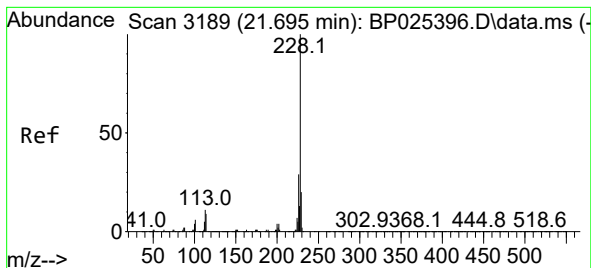
Ion Ratio Lower Upper

252 100

254 64.8 51.8 77.6

126 11.0 9.1 13.7





#83

Chrysene

Concen: 76.835 ng

RT: 21.707 min Scan# 3189

Delta R.T. 0.012 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:228 Resp: 421816

Ion Ratio Lower Upper

228 100

226 30.1 23.2 34.8

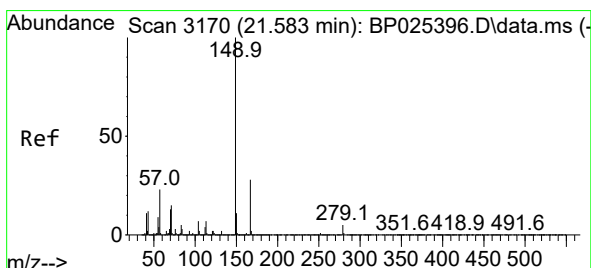
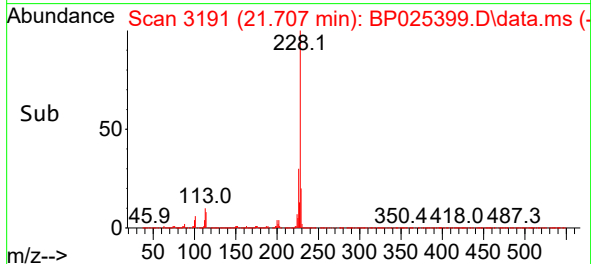
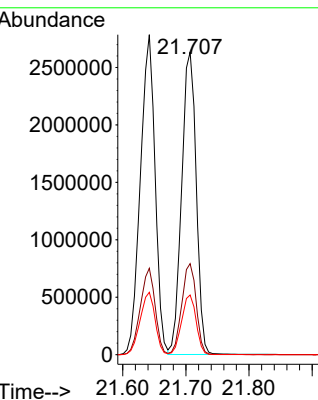
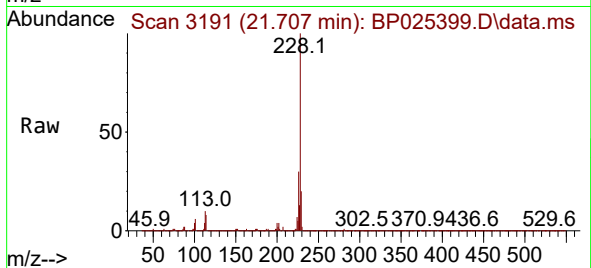
229 19.7 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 78.400 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

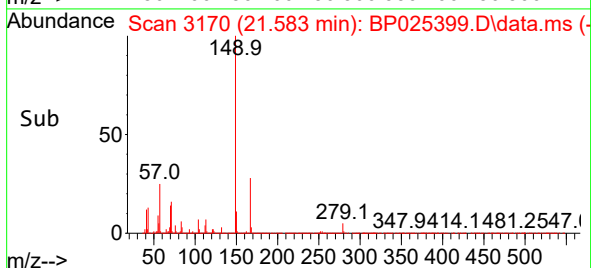
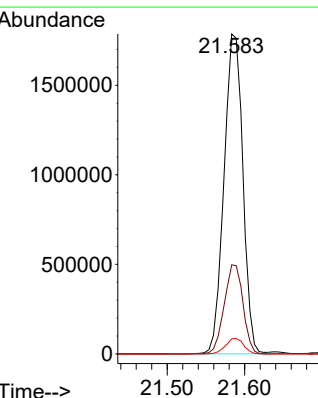
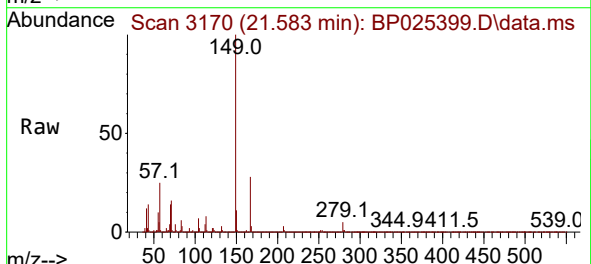
Tgt Ion:149 Resp: 3021891

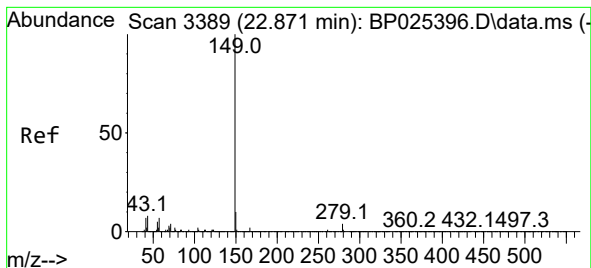
Ion Ratio Lower Upper

149 100

167 27.8 22.1 33.1

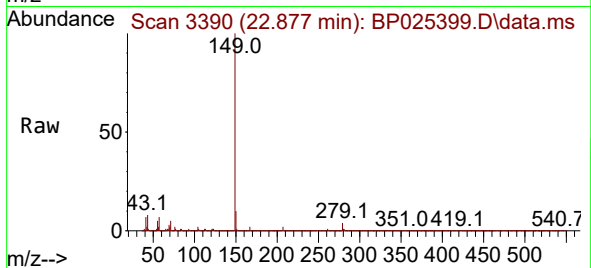
279 4.8 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 79.974 ng
RT: 22.877 min Scan# 3389
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

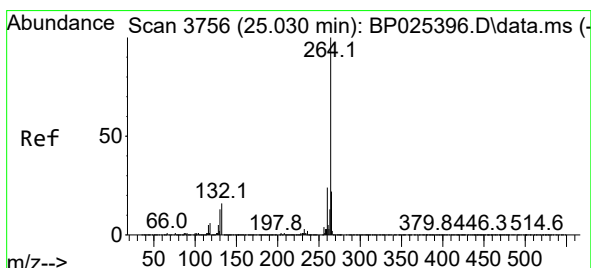
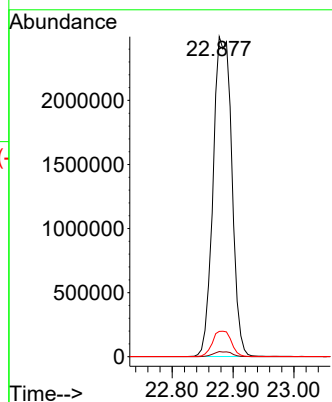
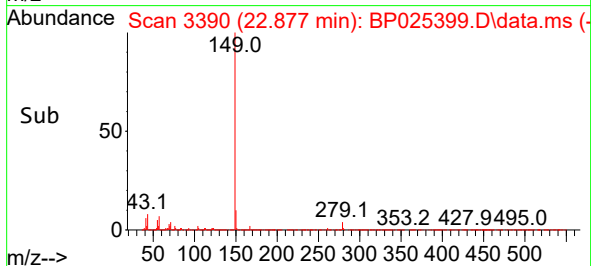
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



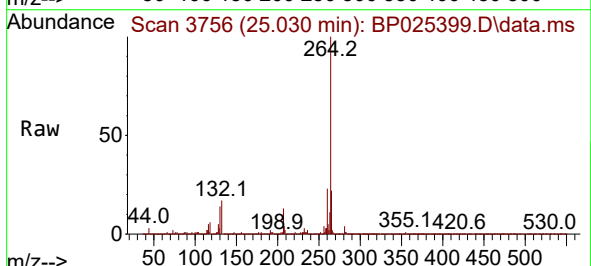
Tgt Ion:149 Resp: 5302080
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.3 9.5

Manual Integrations
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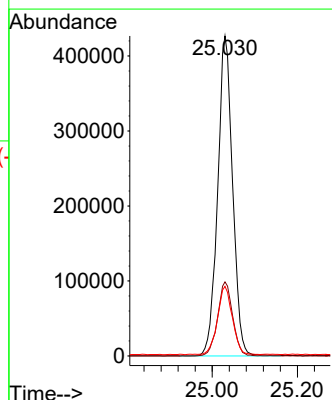
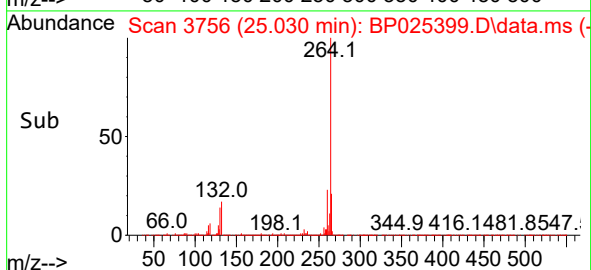
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

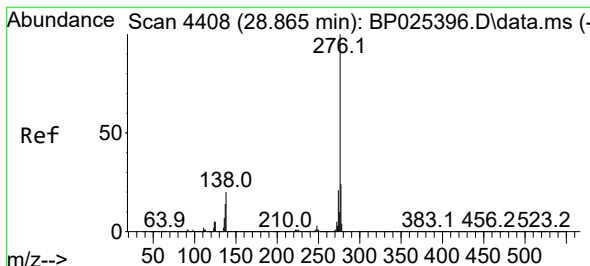


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



Tgt Ion:264 Resp: 1037707
Ion Ratio Lower Upper
264 100
260 23.2 19.3 28.9
265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 81.030 ng m

RT: 28.895 min Scan# 4408

Delta R.T. 0.029 min

Lab File: BP025399.D

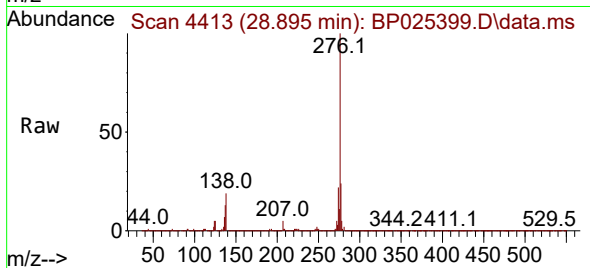
Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080



Tgt Ion:276 Resp: 6168570

Ion Ratio Lower Upper

276 100

138 16.9 12.9 19.3

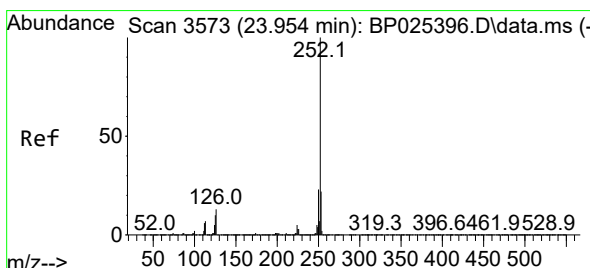
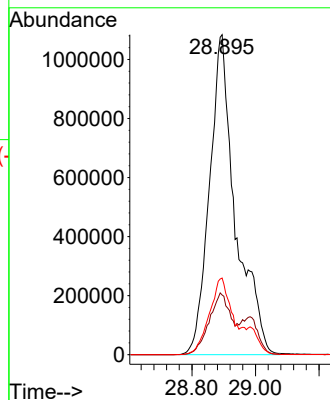
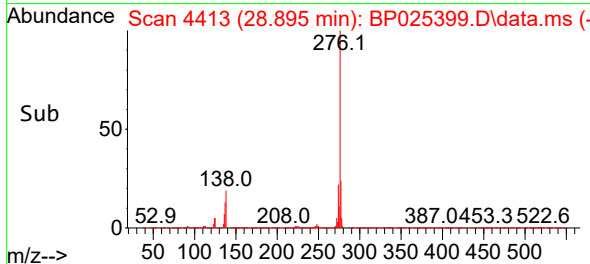
277 20.5 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 79.692 ng

RT: 23.977 min Scan# 3577

Delta R.T. 0.024 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

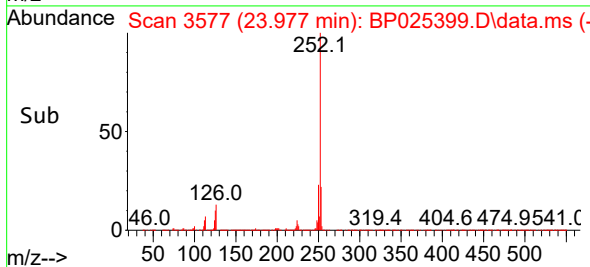
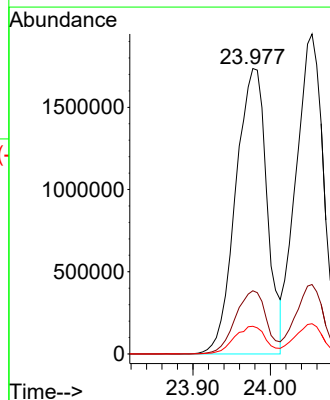
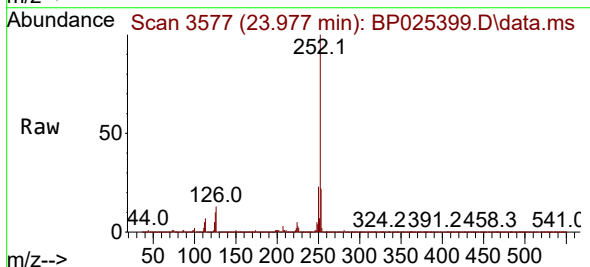
Tgt Ion:252 Resp: 4876398

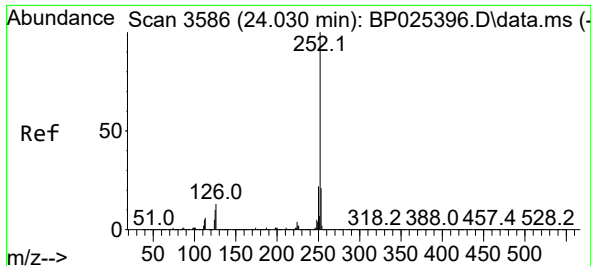
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

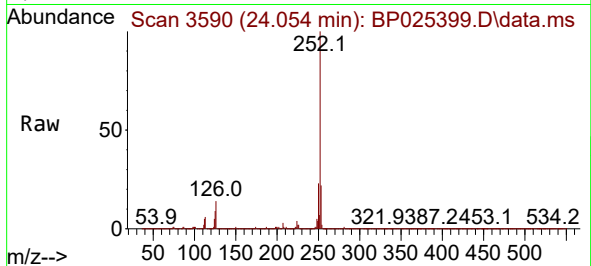
125 9.7 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 77.323 ng
RT: 24.054 min Scan# 31
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

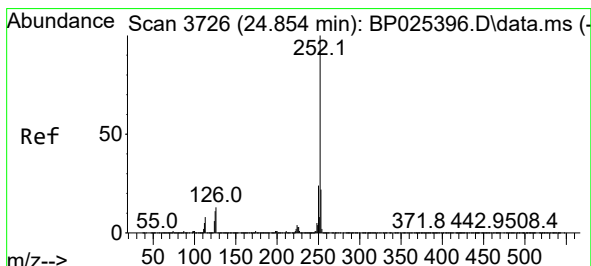
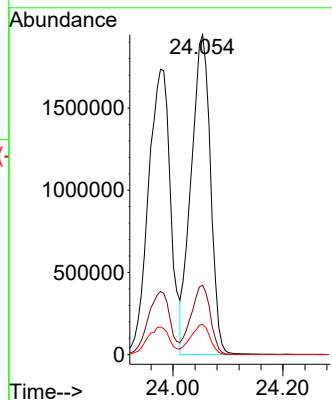
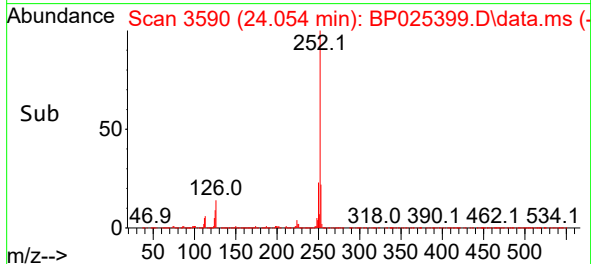
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



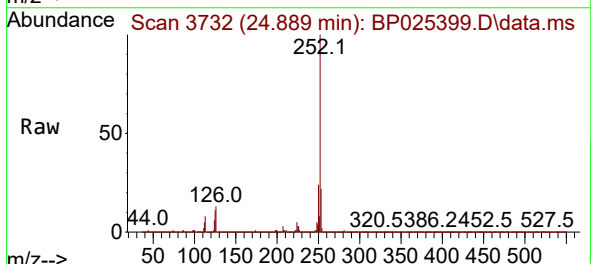
Tgt Ion:252 Resp: 473463
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 9.5 7.8 11.6

Manual Integrations
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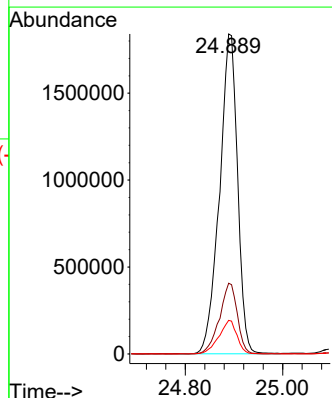
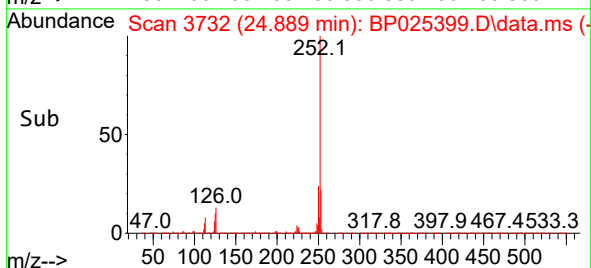
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

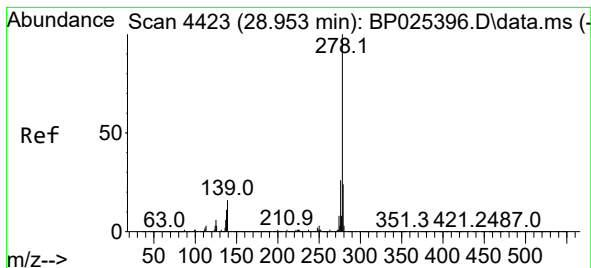


#90
Benzo(a)pyrene
Concen: 79.505 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.035 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



Tgt Ion:252 Resp: 4735685
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 81.142 ng

RT: 28.983 min Scan# 4423

Delta R.T. 0.029 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion: 278 Resp: 5046260

Ion Ratio Lower Upper

278 100

139 15.6 13.0 19.4

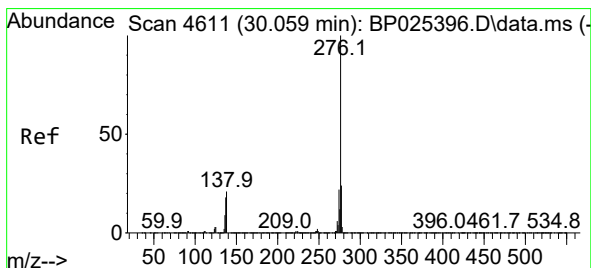
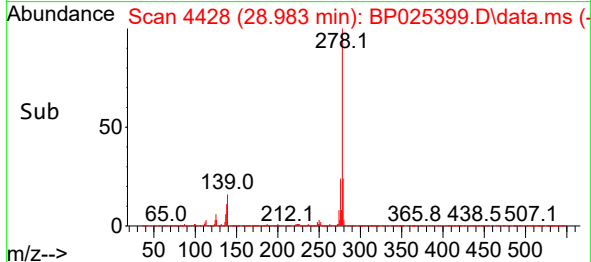
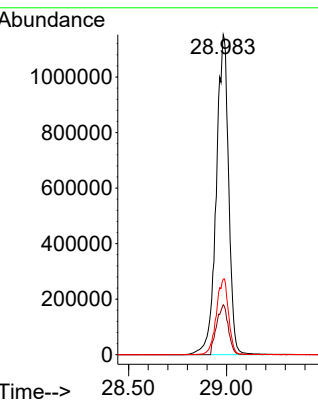
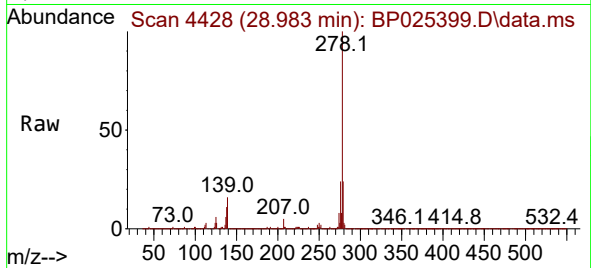
279 23.6 19.4 29.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 80.973 ng

RT: 30.106 min Scan# 4619

Delta R.T. 0.047 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

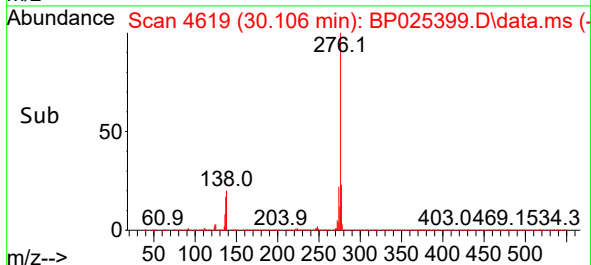
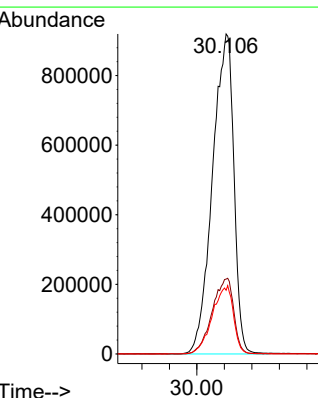
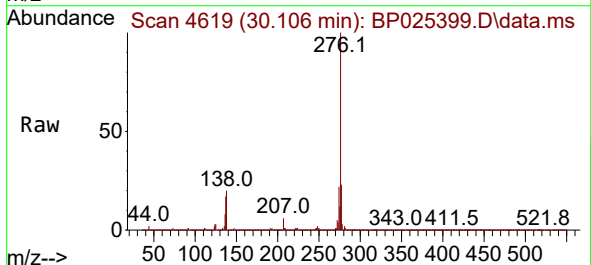
Tgt Ion: 276 Resp: 4949477

Ion Ratio Lower Upper

276 100

277 23.4 19.4 29.0

138 19.9 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	174007	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	750079	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	503239	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1034378	20.000	ng	0.01
76) Chrysene-d12	21.654	240	1060337	20.000	ng	0.00
86) Perylene-d12	25.024	264	1200519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	727486	69.430	ng	0.00
7) Phenol-d6	6.966	99	962695	71.663	ng	0.00
23) Nitrobenzene-d5	8.937	82	984441	66.391	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	484870	71.582	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2430828	66.016	ng	0.00
79) Terphenyl-d14	19.936	244	3848160	66.399	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	138687	33.792	ng	99
3) Pyridine	3.731	79	403298	35.901	ng	98
4) n-Nitrosodimethylamine	3.631	42	176521	38.115	ng	98
6) Aniline	7.125	93	690437	38.147	ng	99
8) 2-Chlorophenol	7.366	128	455230	38.501	ng	99
9) Benzaldehyde	6.943	77	321335	34.142	ng	96
10) Phenol	6.996	94	541123	38.388	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	421318	38.348	ng	99
12) 1,3-Dichlorobenzene	7.684	146	492014	37.738	ng	100
13) 1,4-Dichlorobenzene	7.825	146	504919	37.890	ng	97
14) 1,2-Dichlorobenzene	8.143	146	487845	37.818	ng	99
15) Benzyl Alcohol	8.025	79	416544	39.025	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	563276	38.271	ng	99
17) 2-Methylphenol	8.225	107	380608	38.877	ng	100
18) Hexachloroethane	8.866	117	186691	38.103	ng	97
19) n-Nitroso-di-n-propyla...	8.590	70	340533	38.270	ng	99
20) 3+4-Methylphenols	8.549	107	524095	38.620	ng	99
22) Acetophenone	8.602	105	718869	38.216	ng	# 99
24) Nitrobenzene	8.978	77	494466	37.313	ng	98
25) Isophorone	9.501	82	993378	37.855	ng	99
26) 2-Nitrophenol	9.678	139	263348	38.722	ng	97
27) 2,4-Dimethylphenol	9.743	122	455078	38.910	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	599862	37.816	ng	99
29) 2,4-Dichlorophenol	10.213	162	449034	38.649	ng	98
30) 1,2,4-Trichlorobenzene	10.431	180	474183	37.231	ng	98
31) Naphthalene	10.613	128	1459279	37.431	ng	99
32) Benzoic acid	9.884	122	330207	38.242	ng	96
33) 4-Chloroaniline	10.713	127	655135	38.043	ng	99
34) Hexachlorobutadiene	10.901	225	293728	37.031	ng	98
35) Caprolactam	11.501	113	163211	38.310	ng	98
36) 4-Chloro-3-methylphenol	11.837	107	517126	38.789	ng	98
37) 2-Methylnaphthalene	12.219	142	960146	37.845	ng	99
38) 1-Methylnaphthalene	12.443	142	1012844	37.539	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	550777	37.895	ng	100
41) Hexachlorocyclopentadiene	12.572	237	351819	40.074	ng	100
43) 2,4,6-Trichlorophenol	12.831	196	382393	38.972	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	420565	39.108	ng	99
46) 1,1'-Biphenyl	13.237	154	1376834	37.672	ng	99
47) 2-Chloronaphthalene	13.272	162	1072147	37.682	ng	99
48) 2-Nitroaniline	13.472	65	323995	39.081	ng	99
49) Acenaphthylene	14.125	152	1775899	37.720	ng	100
50) Dimethylphthalate	13.860	163	1406620	38.170	ng	100
51) 2,6-Dinitrotoluene	13.972	165	304562	39.211	ng	98
52) Acenaphthene	14.472	154	1018011m	36.837	ng	
53) 3-Nitroaniline	14.301	138	349791	40.027	ng	98
54) 2,4-Dinitrophenol	14.507	184	172743	41.646	ng	100
55) Dibenzofuran	14.813	168	1630744	37.324	ng	100
56) 4-Nitrophenol	14.619	139	284585	39.630	ng	99
57) 2,4-Dinitrotoluene	14.772	165	448143	40.439	ng	98
58) Fluorene	15.478	166	1275341	36.992	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	371715	39.147	ng	99
60) Diethylphthalate	15.242	149	1415787	37.810	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	627477	36.596	ng	99
62) 4-Nitroaniline	15.484	138	346865	38.717	ng	99
63) Azobenzene	15.766	77	1235242	38.526	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	256111	39.721	ng	99
66) n-Nitrosodiphenylamine	15.684	169	1174244	37.227	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	422072	37.101	ng	96
68) Hexachlorobenzene	16.501	284	488749	37.062	ng	98
69) Atrazine	16.660	200	449555	38.057	ng	100
70) Pentachlorophenol	16.854	266	322435	38.733	ng	98
71) Phenanthrene	17.254	178	2070873	36.445	ng	99
72) Anthracene	17.342	178	2179669	37.563	ng	100
73) Carbazole	17.619	167	2028595	37.116	ng	100
74) Di-n-butylphthalate	18.225	149	2528547	37.602	ng	100
75) Fluoranthene	19.342	202	2540417	37.481	ng	99
77) Benzidine	19.519	184	1529656	42.271	ng	99
78) Pyrene	19.713	202	2577810	37.404	ng	99
80) Butylbenzylphthalate	20.660	149	1199445	38.401	ng	98
81) Benzo(a)anthracene	21.636	228	2583866	36.950	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1002597	38.038	ng	99
83) Chrysene	21.701	228	2446197	37.353	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1780746	38.729	ng	100
85) Di-n-octyl phthalate	22.877	149	2998528	37.915	ng	100
87) Indeno(1,2,3-cd)pyrene	28.877	276	3267965	37.119	ng	94
88) Benzo(b)fluoranthene	23.971	252	2616701	36.964	ng	100
89) Benzo(k)fluoranthene	24.042	252	2653905	37.464	ng	99
90) Benzo(a)pyrene	24.871	252	2560692	37.160	ng	100
91) Dibenzo(a,h)anthracene	28.948	278	2697336	37.490	ng	99
92) Benzo(g,h,i)perylene	30.089	276	2632085	37.216	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

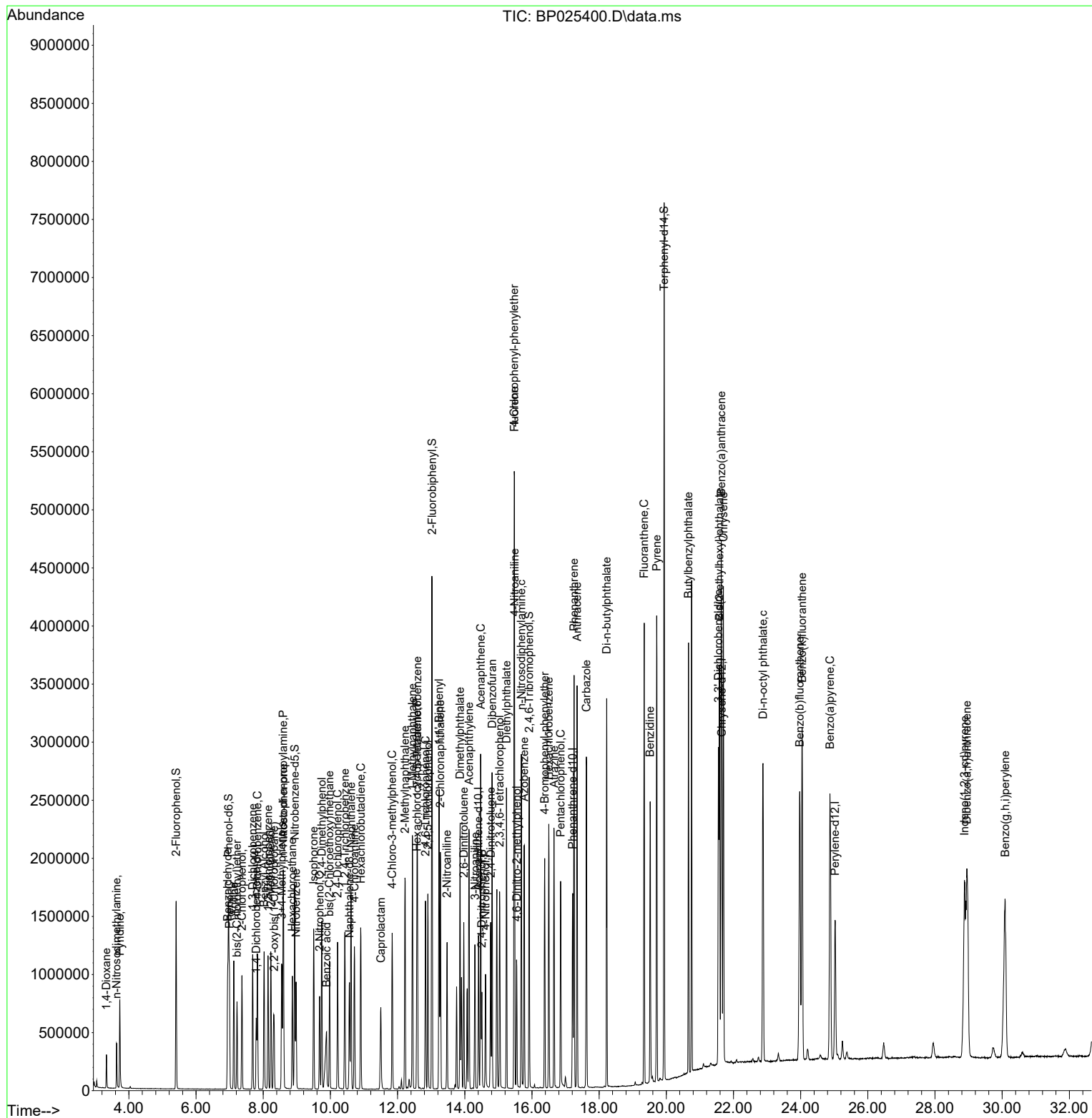
Manual Integrations

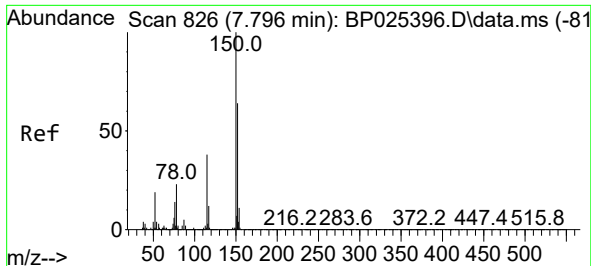
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration





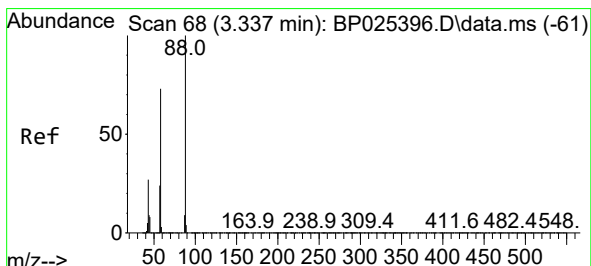
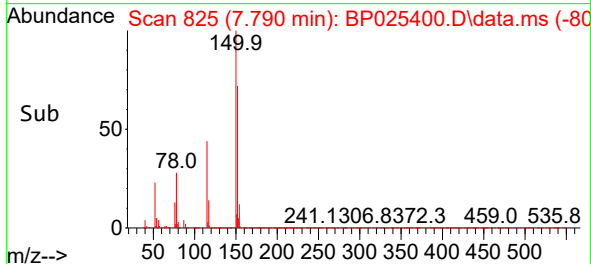
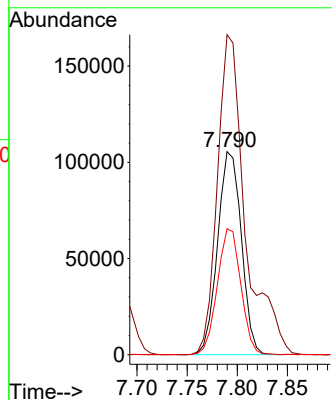
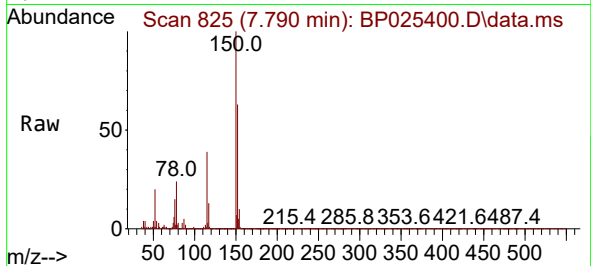
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:152 Resp: 17400
Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 62.0 48.5 72.7

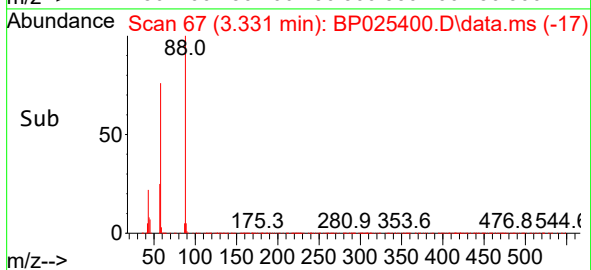
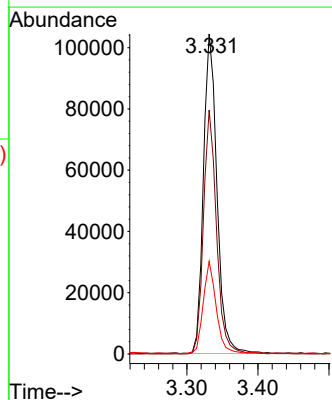
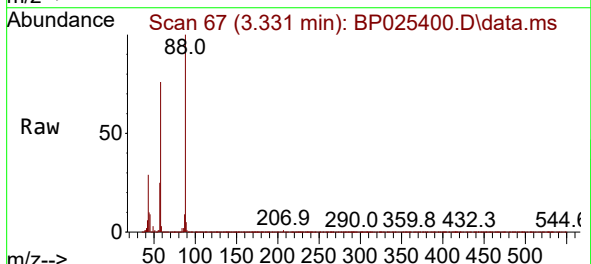
Manual Integrations
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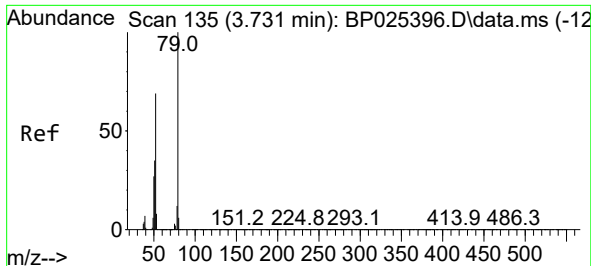
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 33.792 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

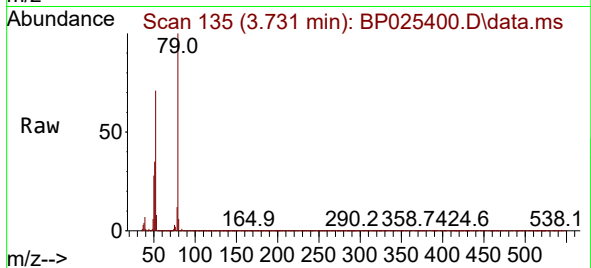
Tgt Ion: 88 Resp: 138687
Ion Ratio Lower Upper
88 100
58 73.7 59.2 88.8
43 27.9 21.7 32.5





#3
Pyridine
Concen: 35.901 ng
RT: 3.731 min Scan# 118
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

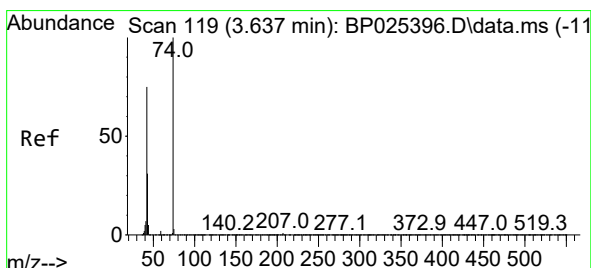
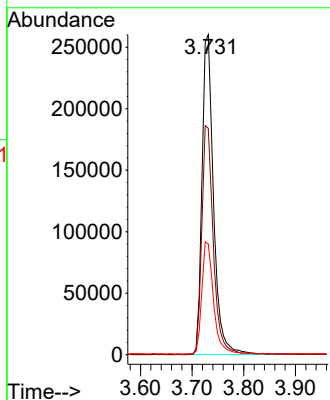
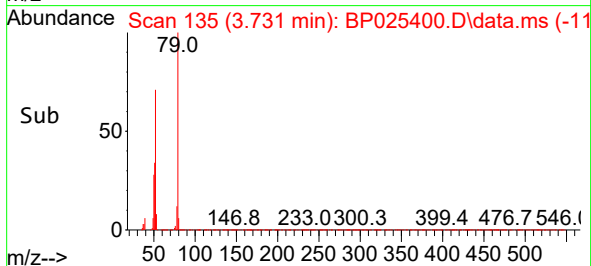
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



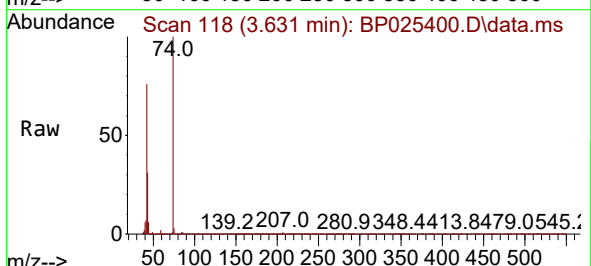
Tgt Ion: 79 Resp: 403298
Ion Ratio Lower Upper
79 100
52 70.8 55.5 83.3
51 34.7 28.3 42.5

Manual Integrations
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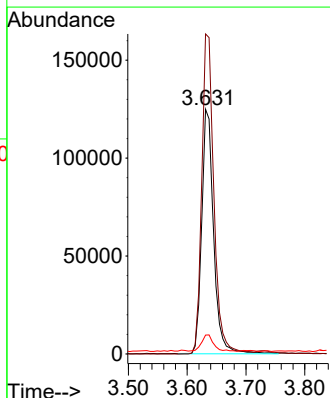
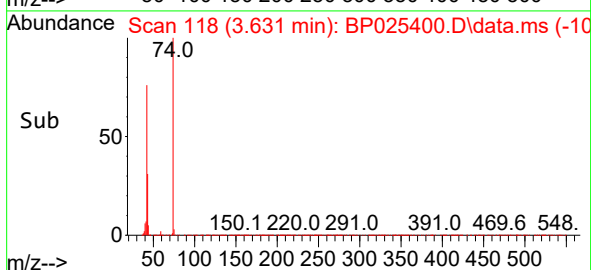
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

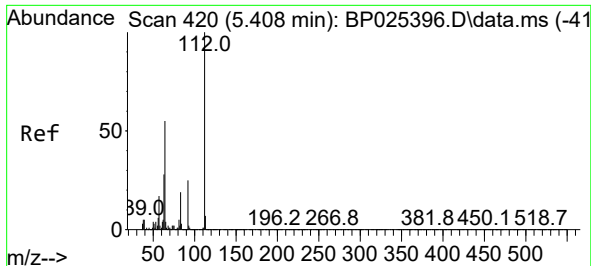


#4
n-Nitrosodimethylamine
Concen: 38.115 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion: 42 Resp: 176521
Ion Ratio Lower Upper
42 100
74 130.8 107.0 160.4
44 7.7 6.2 9.4





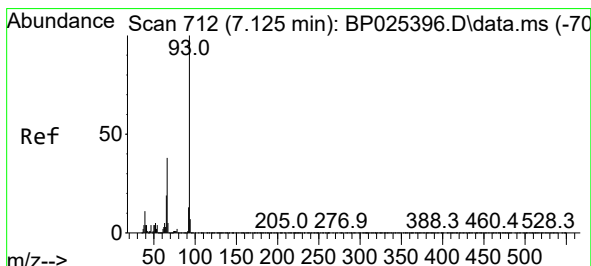
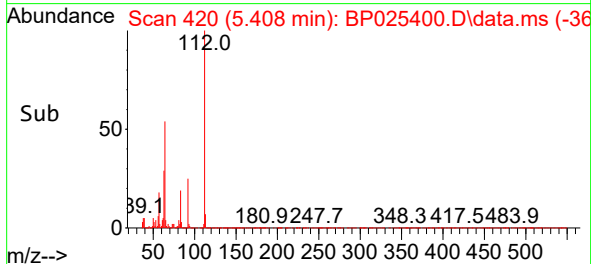
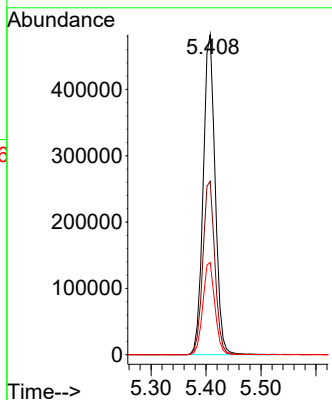
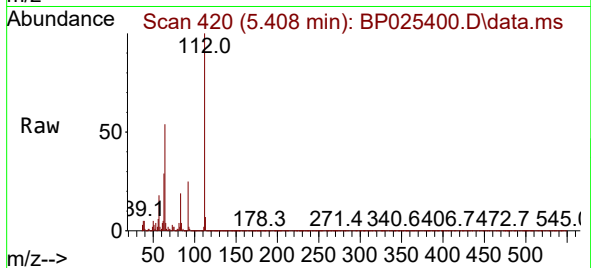
#5
2-Fluorophenol
Concen: 69.430 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:112 Resp: 727480
Ion Ratio Lower Upper
112 100
64 54.2 43.8 65.8
63 28.8 22.7 34.1

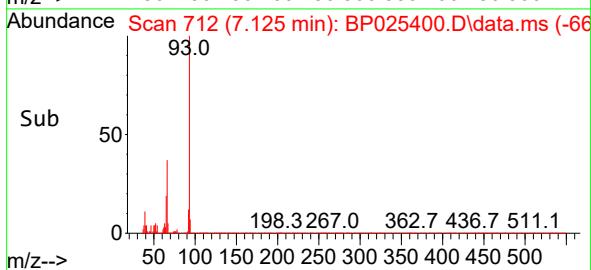
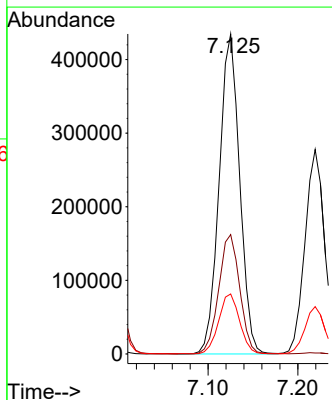
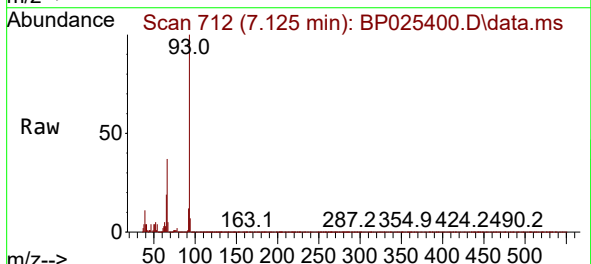
Manual Integrations
APPROVED

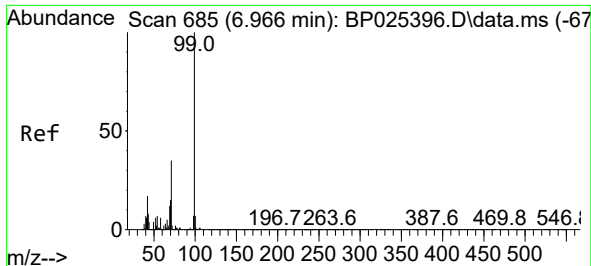
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 38.147 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 690437
Ion Ratio Lower Upper
93 100
66 37.3 30.4 45.6
65 18.7 15.3 22.9





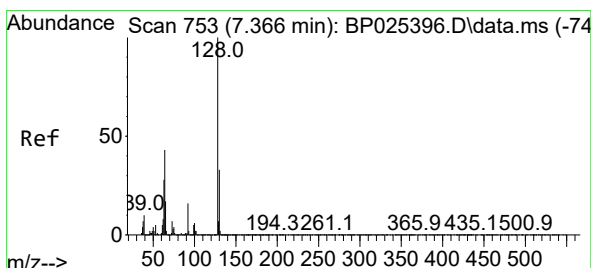
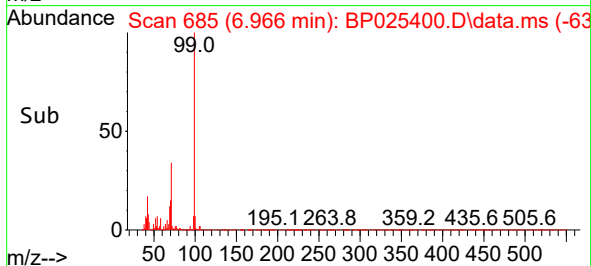
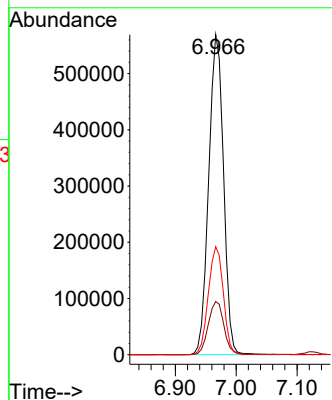
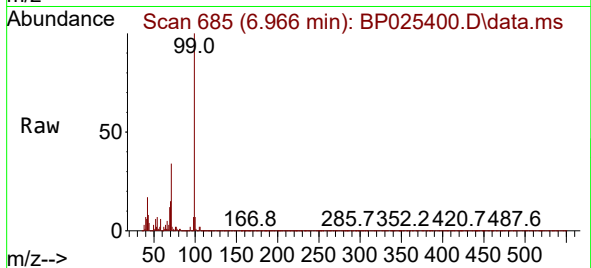
#7
Phenol-d6
Concen: 71.663 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 99 Resp: 96269
Ion Ratio Lower Upper
99 100
42 16.6 13.7 20.5
71 33.7 28.2 42.4

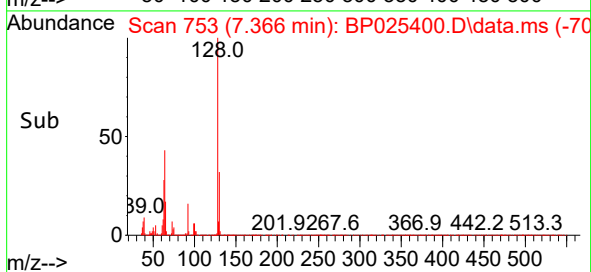
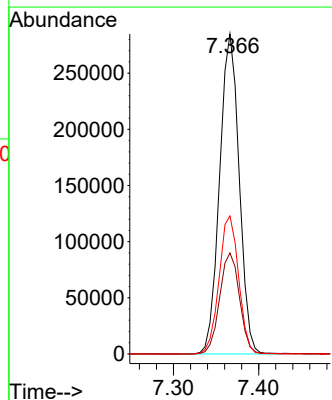
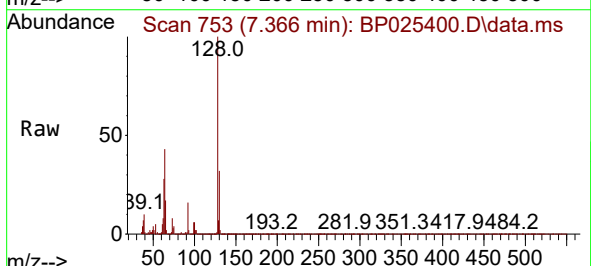
Manual Integrations
APPROVED

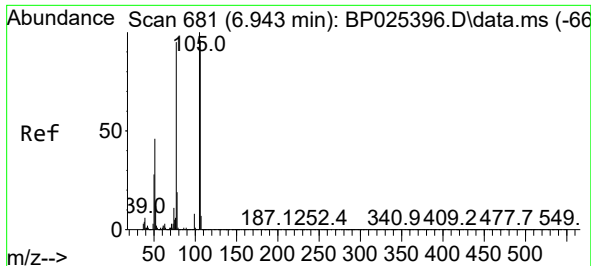
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 38.501 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

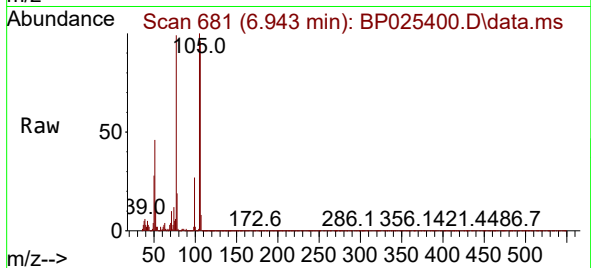
Tgt Ion:128 Resp: 455230
Ion Ratio Lower Upper
128 100
130 31.6 12.6 52.6
64 43.2 23.4 63.4





#9
Benzaldehyde
Concen: 34.142 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

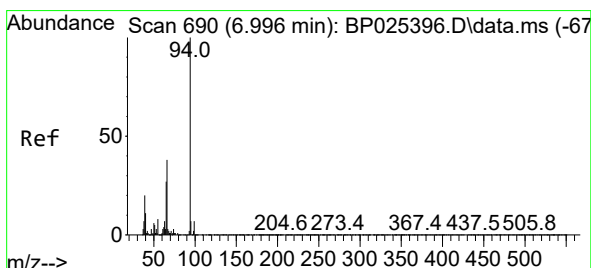
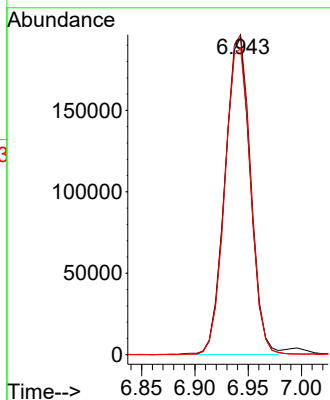
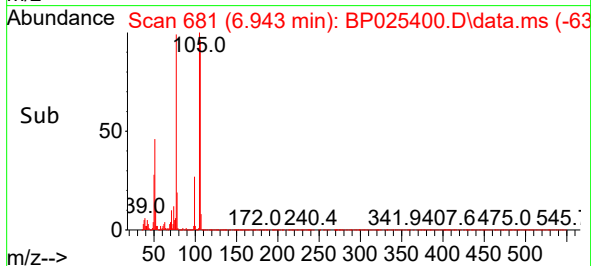
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



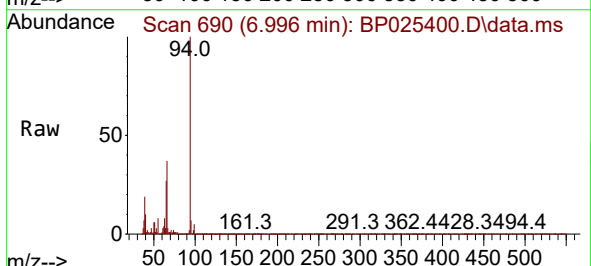
Tgt Ion: 77 Resp: 32133
Ion Ratio Lower Upper
77 100
105 100.9 84.8 124.8
106 96.6 80.5 120.5

Manual Integrations
APPROVED

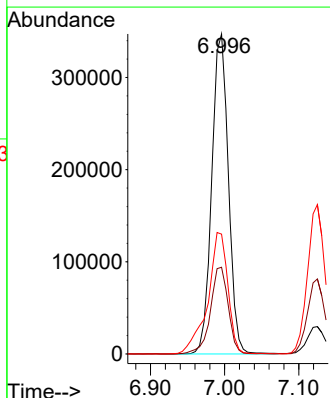
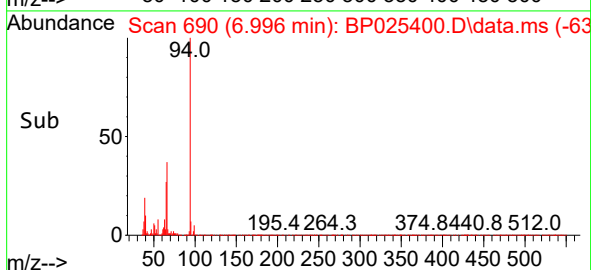
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

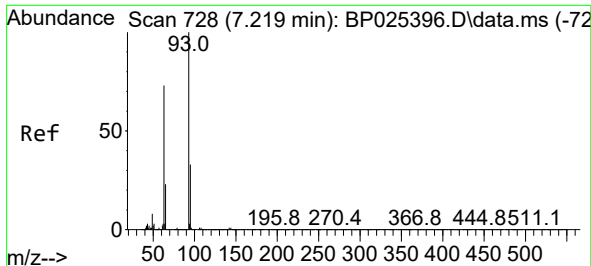


#10
Phenol
Concen: 38.388 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



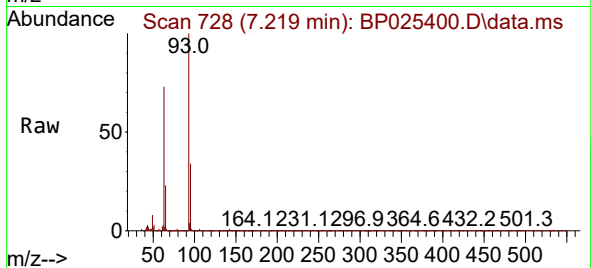
Tgt Ion: 94 Resp: 541123
Ion Ratio Lower Upper
94 100
65 27.1 6.8 46.8
66 37.5 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 38.348 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

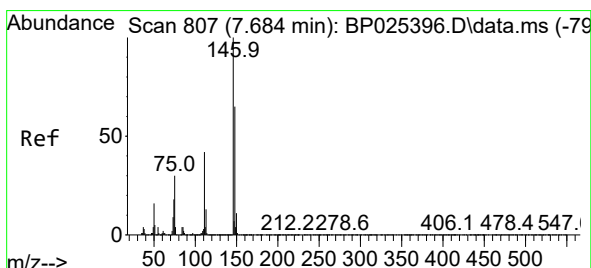
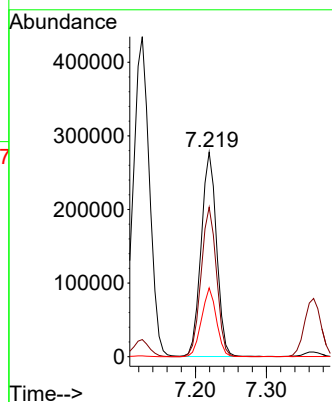
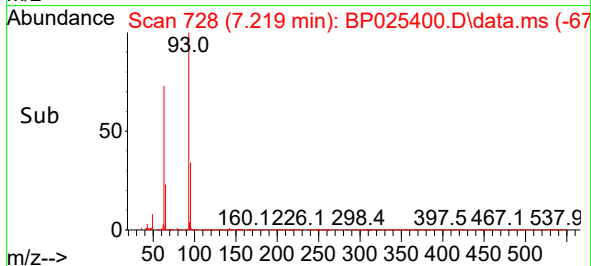
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



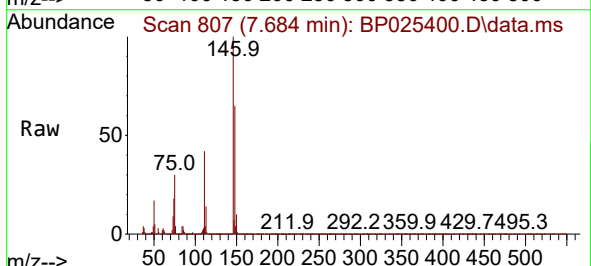
Tgt Ion: 93 Resp: 421318
Ion Ratio Lower Upper
93 100
63 73.1 52.6 92.6
95 33.6 12.7 52.7

Manual Integrations
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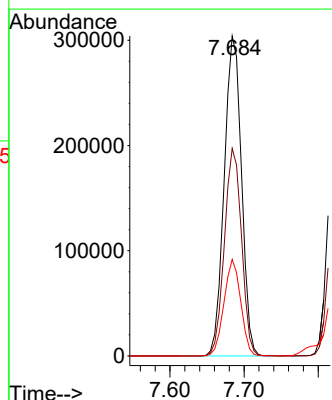
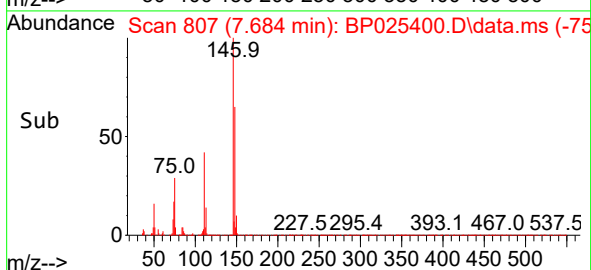
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

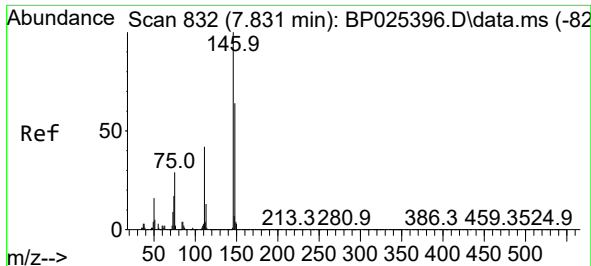


#12
1,3-Dichlorobenzene
Concen: 37.738 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:146 Resp: 492014
Ion Ratio Lower Upper
146 100
148 64.8 51.9 77.9
75 30.1 23.7 35.5





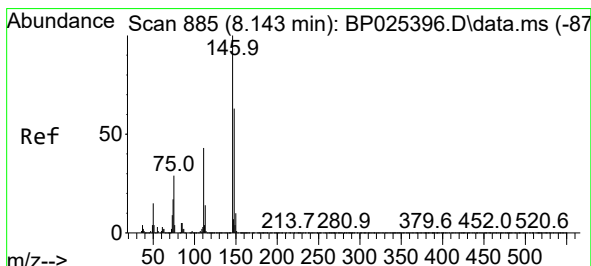
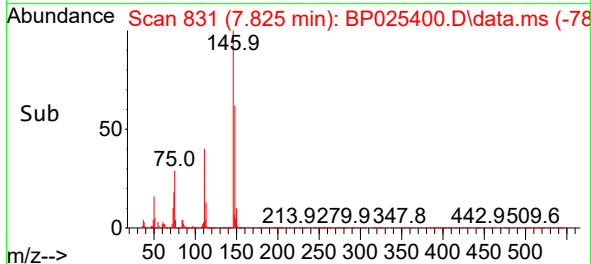
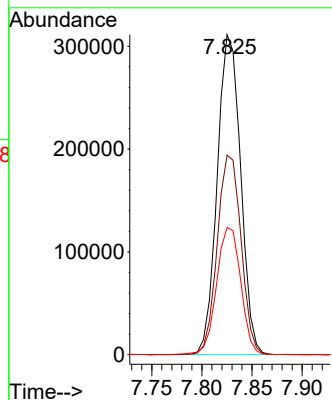
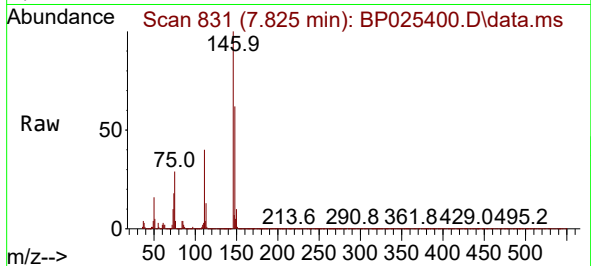
#13
1,4-Dichlorobenzene
Concen: 37.890 ng
RT: 7.825 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:146 Resp: 504919
Ion Ratio Lower Upper
146 100
148 62.3 51.6 77.4
111 39.8 33.4 50.0

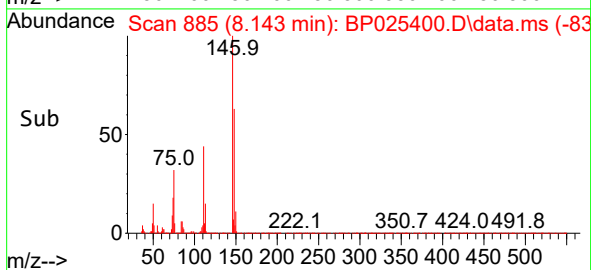
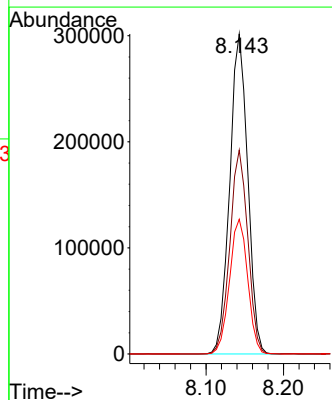
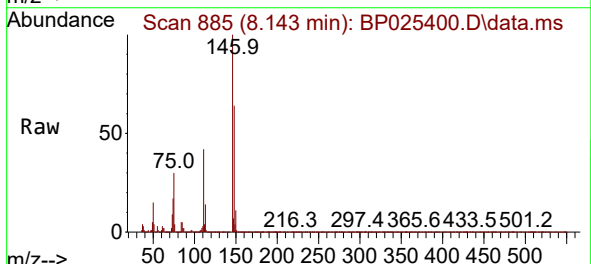
Manual Integrations
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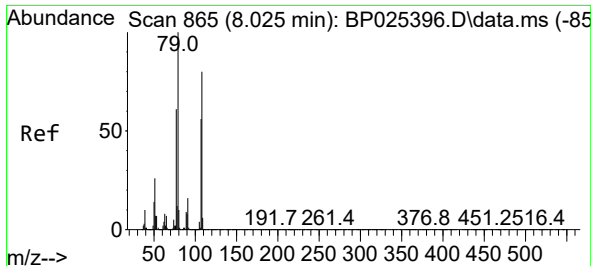
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#14
1,2-Dichlorobenzene
Concen: 37.818 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

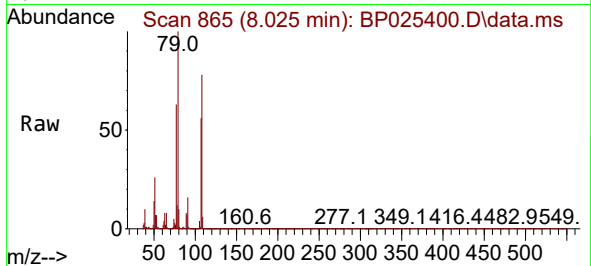
Tgt Ion:146 Resp: 487845
Ion Ratio Lower Upper
146 100
148 63.7 50.4 75.6
111 42.1 34.5 51.7





#15
Benzyl Alcohol
Concen: 39.025 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

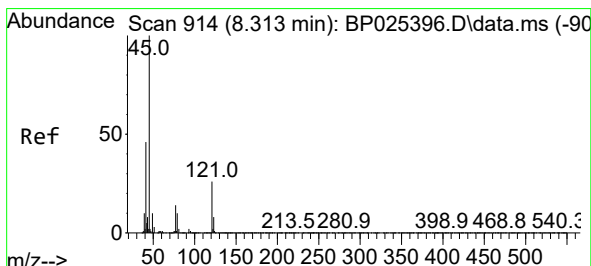
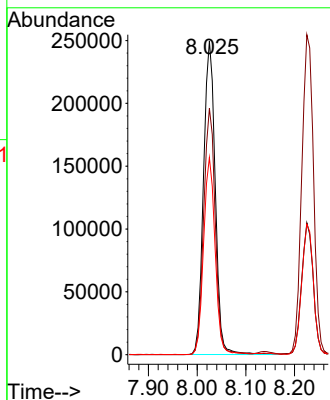
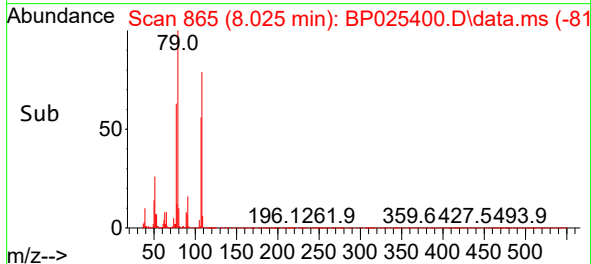
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



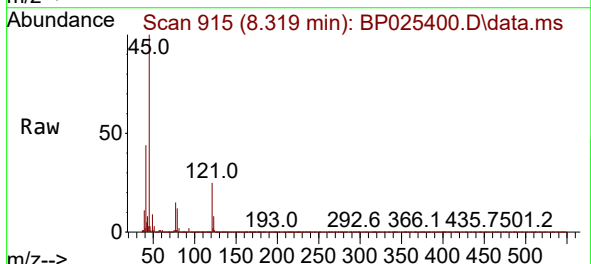
Tgt Ion: 79 Resp: 416544
Ion Ratio Lower Upper
79 100
108 78.5 63.8 95.6
77 62.8 49.0 73.4

Manual Integrations
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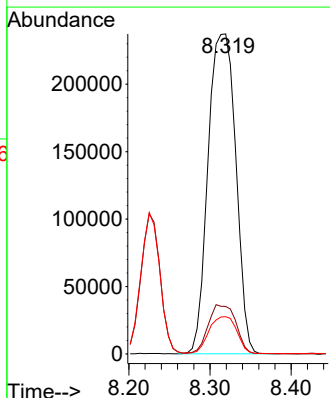
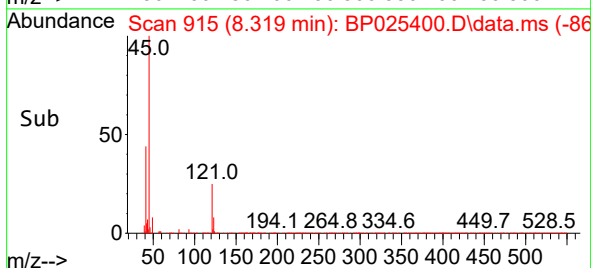
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

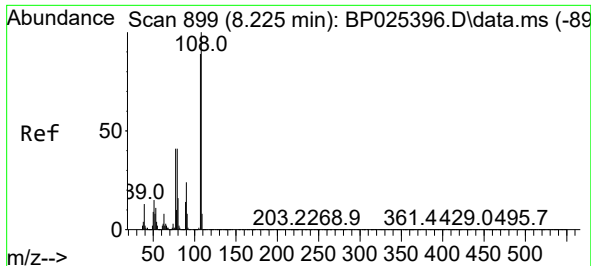


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.271 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion: 45 Resp: 563276
Ion Ratio Lower Upper
45 100
77 14.8 0.0 35.3
79 11.7 0.0 31.8





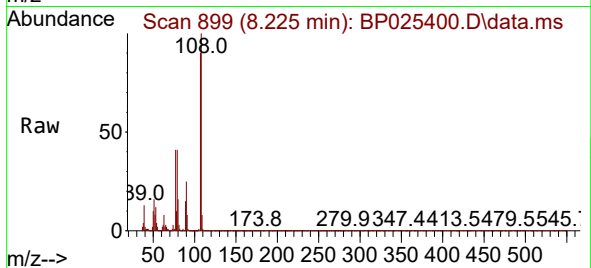
#17
2-Methylphenol
Concen: 38.877 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

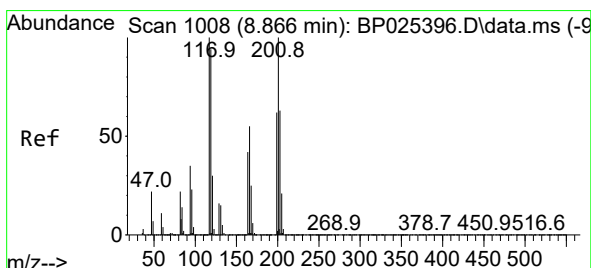
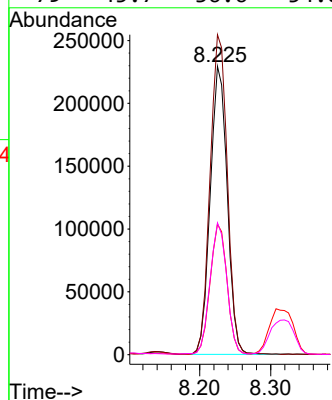
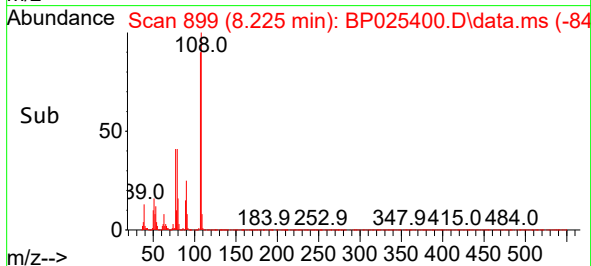


Tgt Ion:107 Resp: 380608
Ion Ratio Lower Upper
107 100
108 111.0 89.4 134.0
77 45.3 36.3 54.5
79 45.7 36.6 54.8

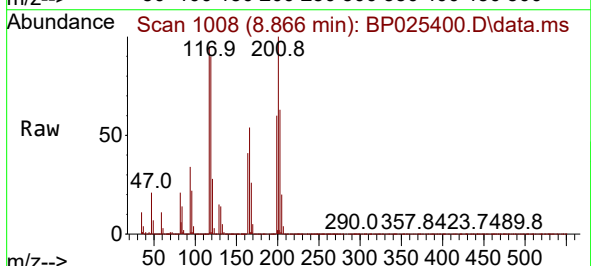
Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

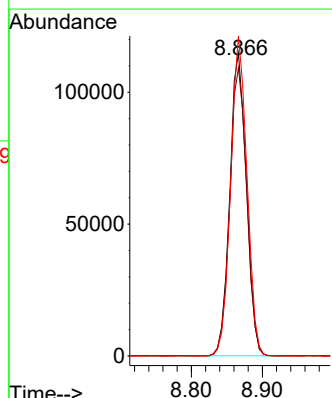
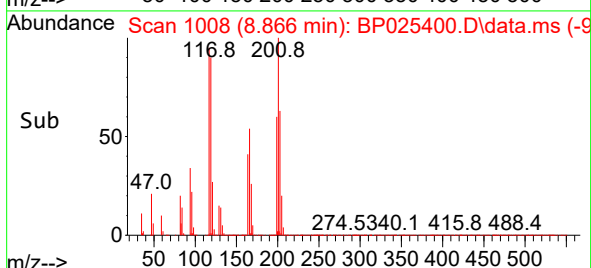
Supervised By :Jagrut Upadhyay 08/15/2025

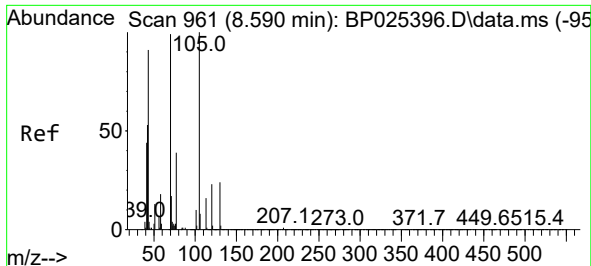


#18
Hexachloroethane
Concen: 38.103 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



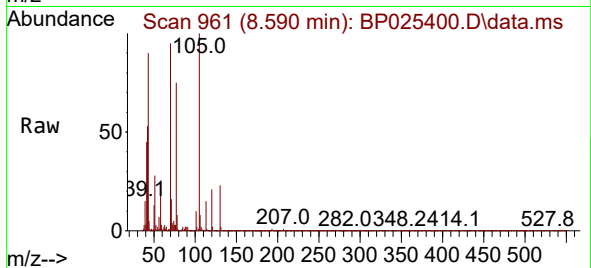
Tgt Ion:117 Resp: 186691
Ion Ratio Lower Upper
117 100
119 95.0 75.1 112.7
201 105.6 80.1 120.1





#19
n-Nitroso-di-n-propylamine
Concen: 38.270 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

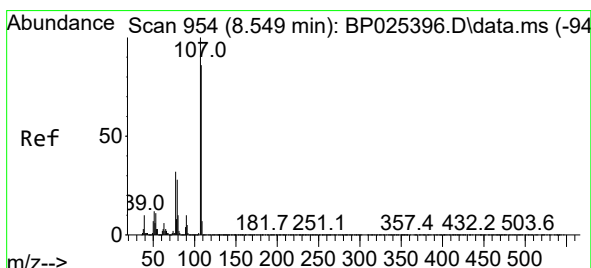
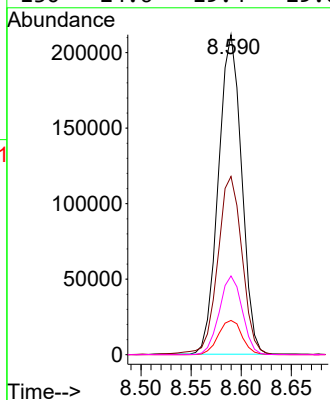
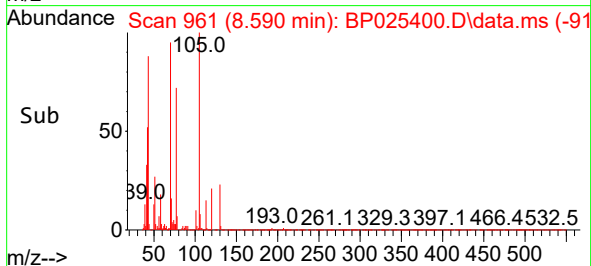
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



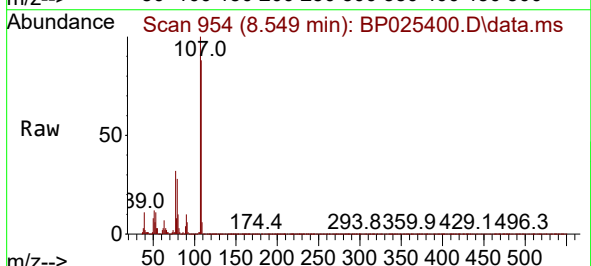
Tgt Ion: 70 Resp: 34053
Ion Ratio Lower Upper
70 100
42 55.7 43.8 65.6
101 10.7 8.5 12.7
130 24.6 19.4 29.0

Manual Integrations
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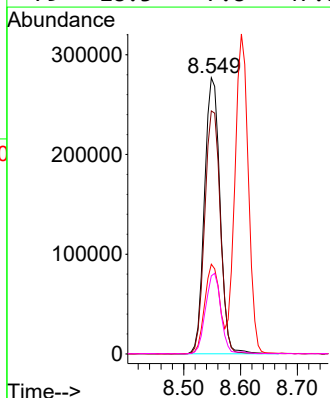
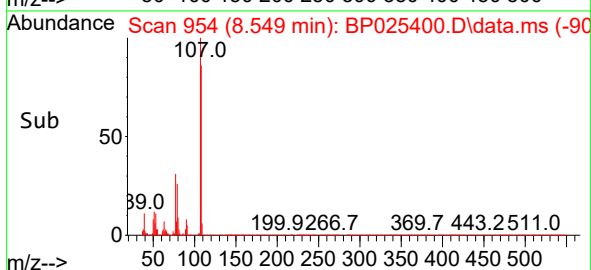
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

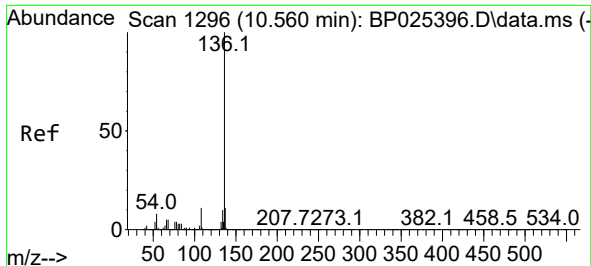


#20
3+4-Methylphenols
Concen: 38.620 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



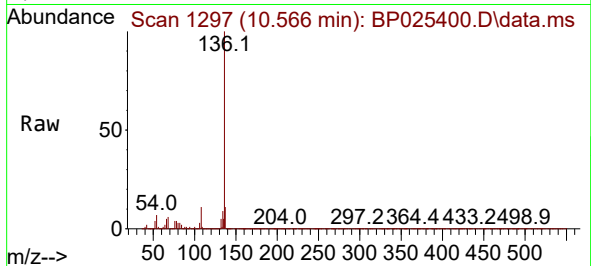
Tgt Ion:107 Resp: 524095
Ion Ratio Lower Upper
107 100
108 88.0 66.3 106.3
77 32.5 12.3 52.3
79 28.3 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

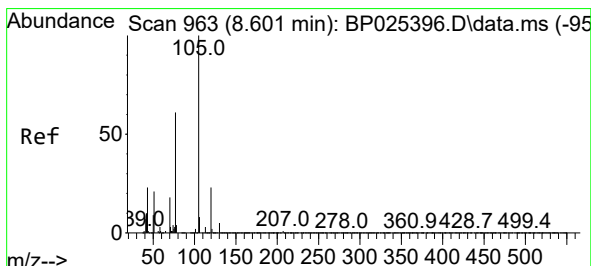
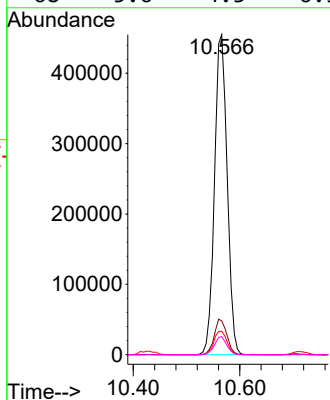
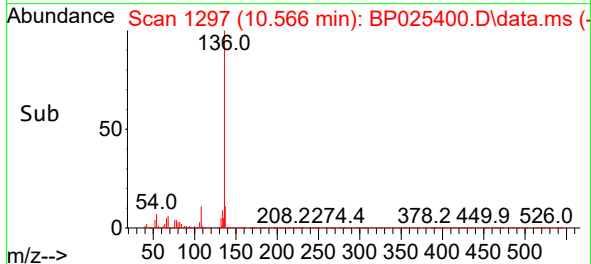
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.3	6.0	9.0
68	5.6	4.3	6.5

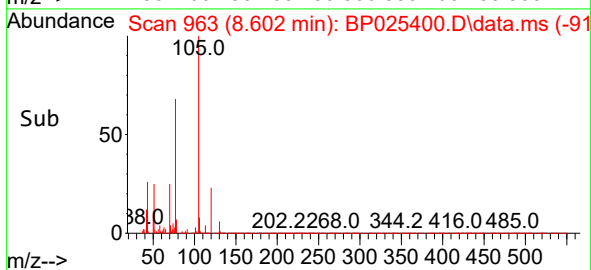
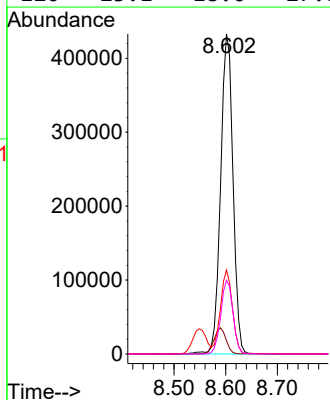
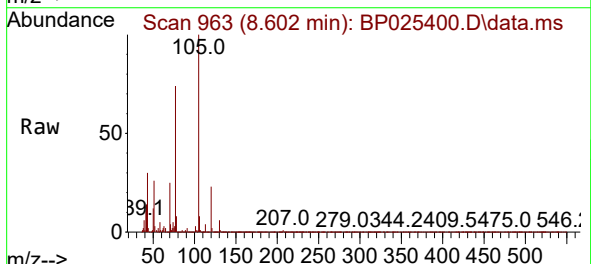
Manual Integrations
APPROVED

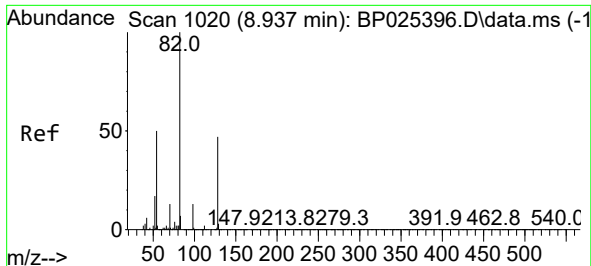
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#22
Acetophenone
Concen: 38.216 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

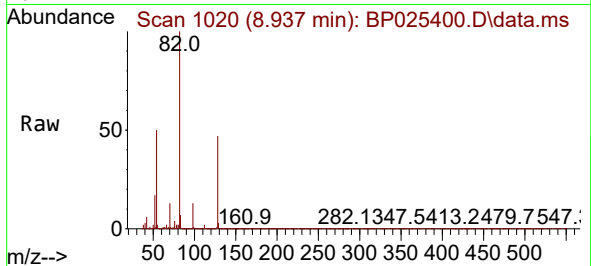
Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	26.2	20.6	30.8
120	23.1	18.6	27.8





#23
Nitrobenzene-d5
Concen: 66.391 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

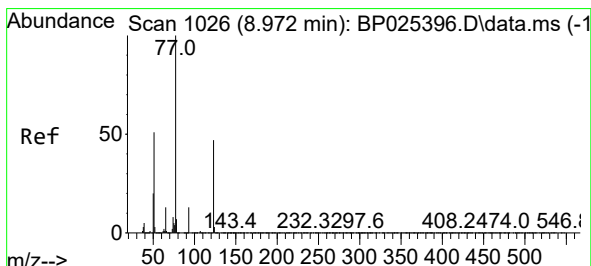
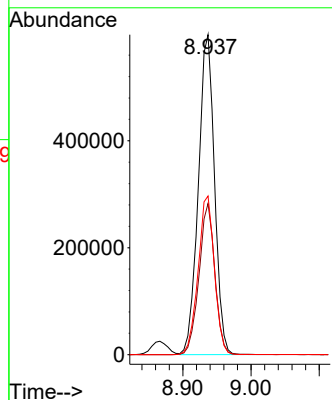
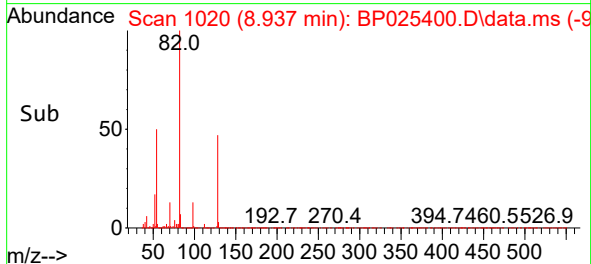
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



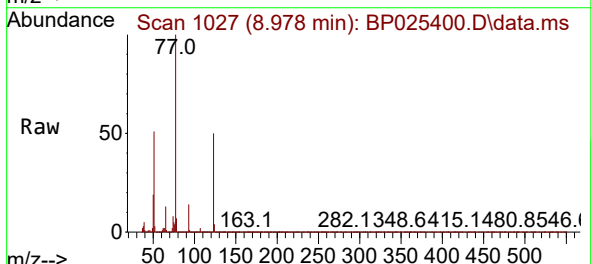
Tgt Ion: 82 Resp: 98444
Ion Ratio Lower Upper
82 100
128 47.3 37.7 56.5
54 49.6 39.8 59.6

Manual Integrations
APPROVED

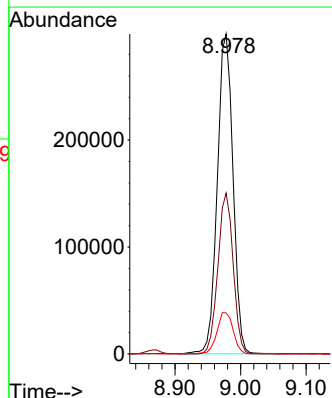
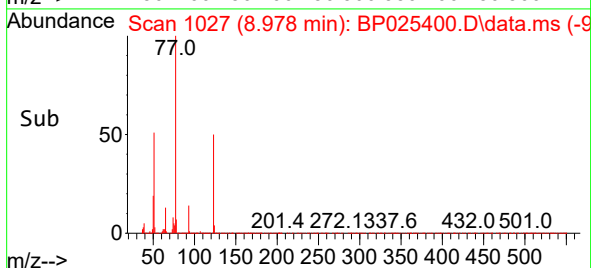
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

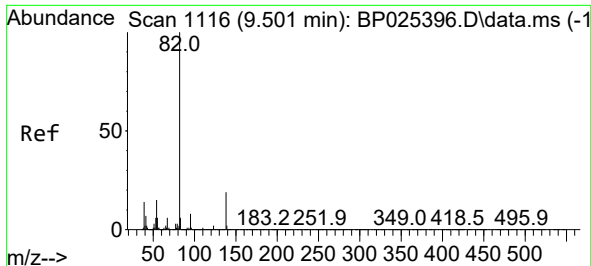


#24
Nitrobenzene
Concen: 37.313 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



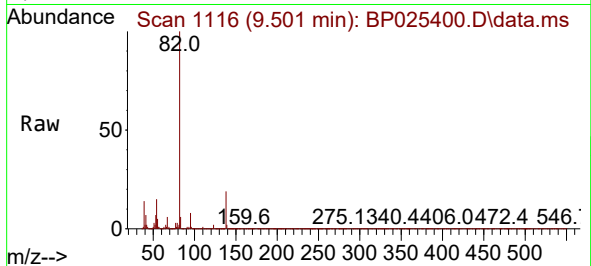
Tgt Ion: 77 Resp: 494466
Ion Ratio Lower Upper
77 100
123 50.3 38.6 58.0
65 12.9 10.6 15.8





#25
Isophorone
Concen: 37.855 ng
RT: 9.501 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

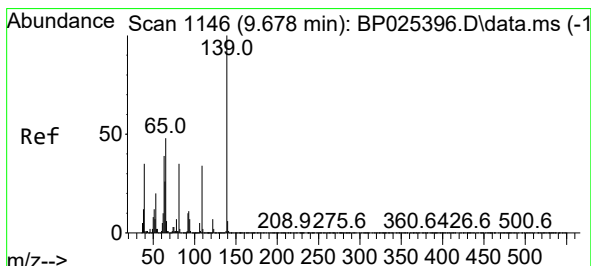
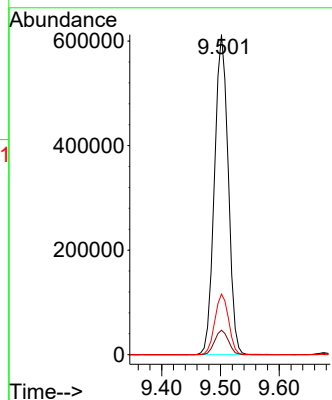
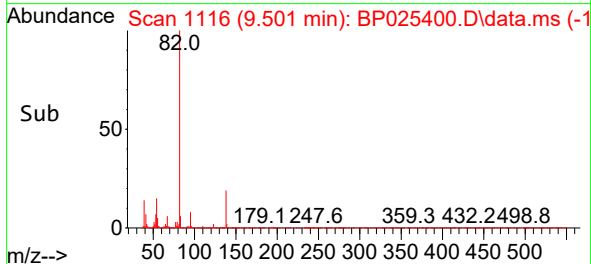
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



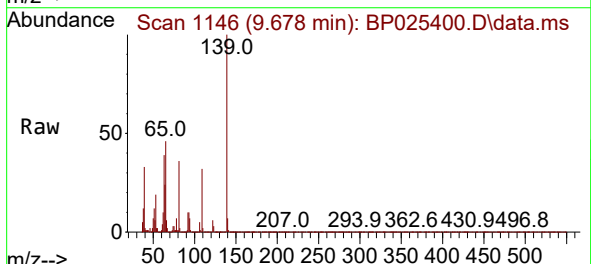
Tgt Ion: 82 Resp: 993378
Ion Ratio Lower Upper
82 100
95 7.7 6.4 9.6
138 18.9 15.4 23.0

Manual Integrations
APPROVED

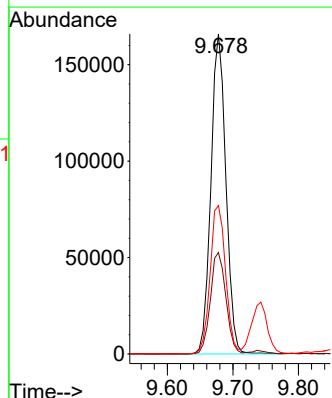
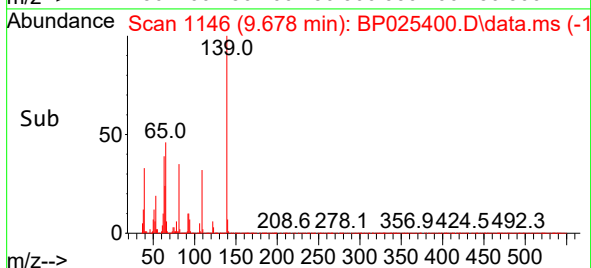
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

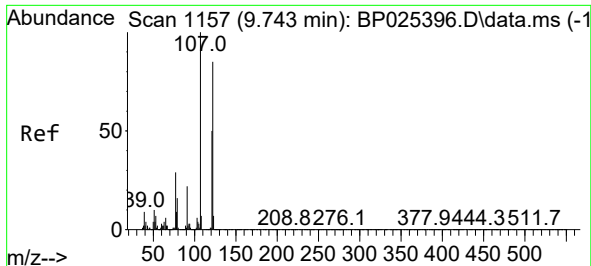


#26
2-Nitrophenol
Concen: 38.722 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:139 Resp: 263348
Ion Ratio Lower Upper
139 100
109 31.7 26.9 40.3
65 46.4 38.3 57.5





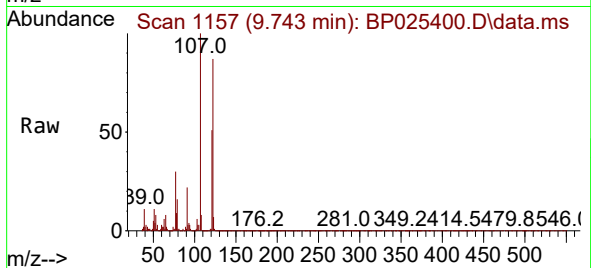
#27
2,4-Dimethylphenol
Concen: 38.910 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425



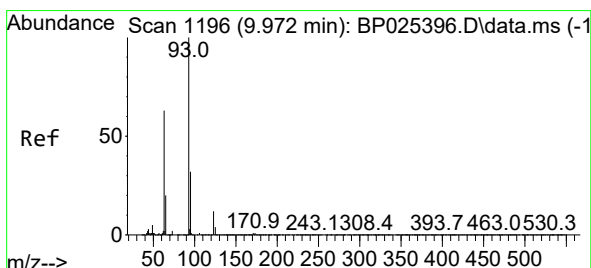
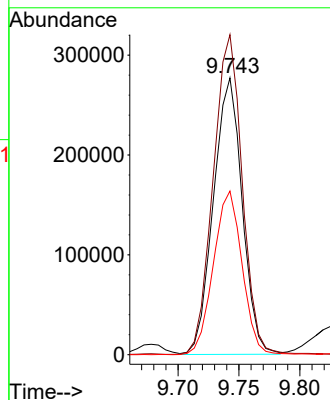
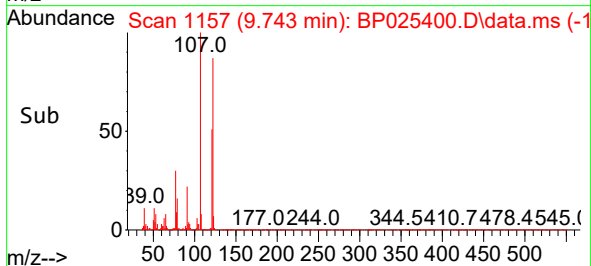
Tgt Ion: 122 Resp: 455078
Ion Ratio Lower Upper
122 100
107 115.6 93.7 140.5
121 59.1 46.6 69.8

Manual Integrations

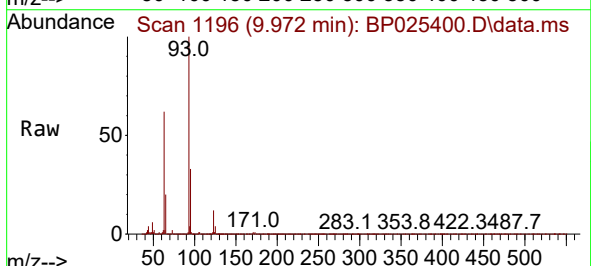
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

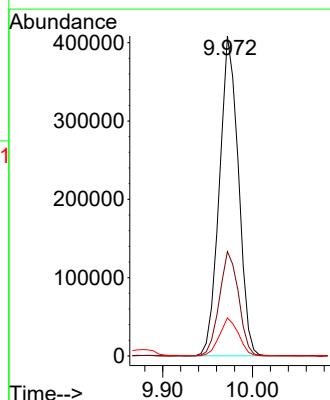
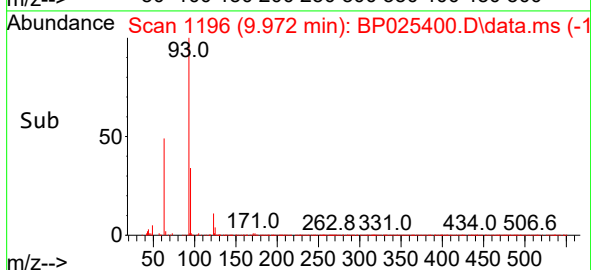
Supervised By :Jagrut Upadhyay 08/15/2025

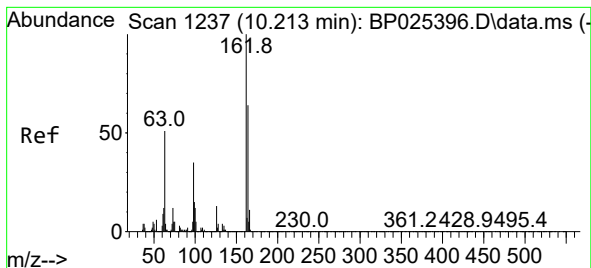


#28
bis(2-Chloroethoxy)methane
Concen: 37.816 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



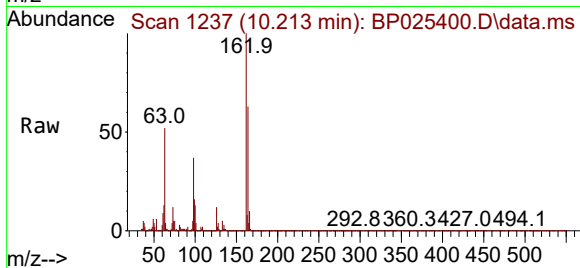
Tgt Ion: 93 Resp: 599862
Ion Ratio Lower Upper
93 100
95 32.7 25.4 38.0
123 11.9 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 38.649 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

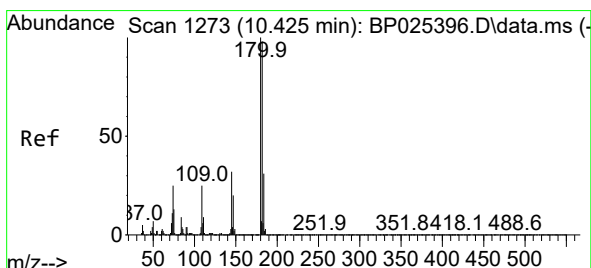
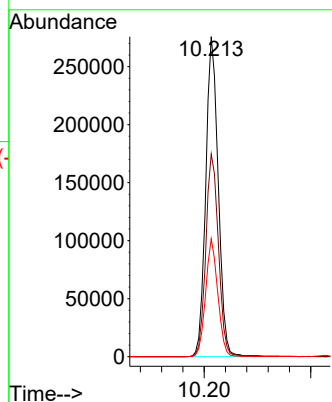
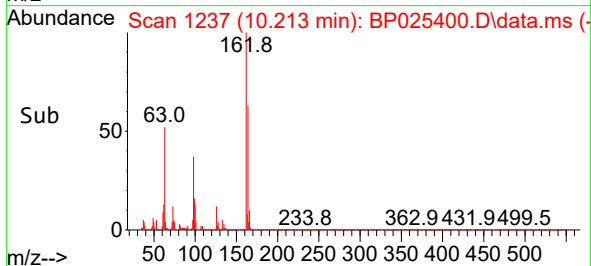
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



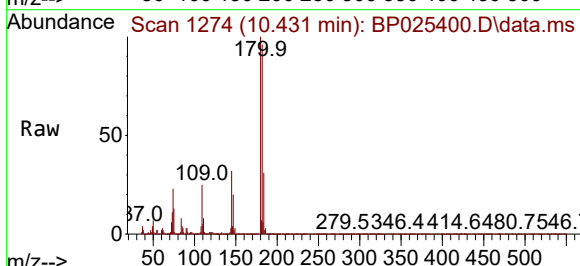
Tgt Ion:162 Resp: 449034
Ion Ratio Lower Upper
162 100
164 63.3 44.4 84.4
98 36.9 14.9 54.9

Manual Integrations
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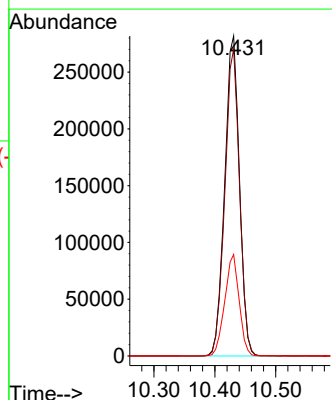
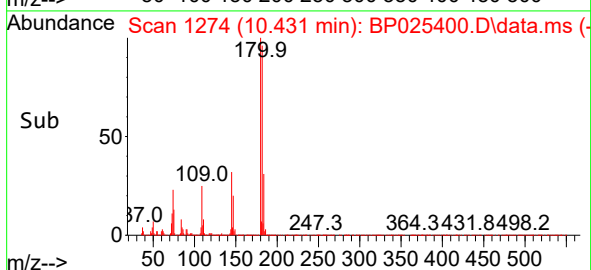
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

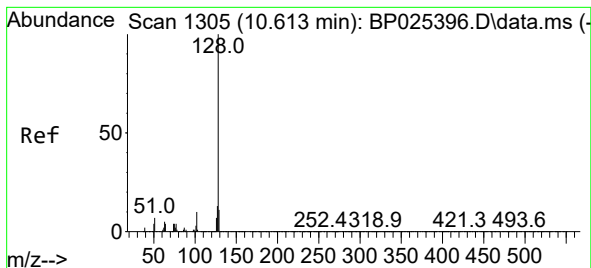


#30
1,2,4-Trichlorobenzene
Concen: 37.231 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



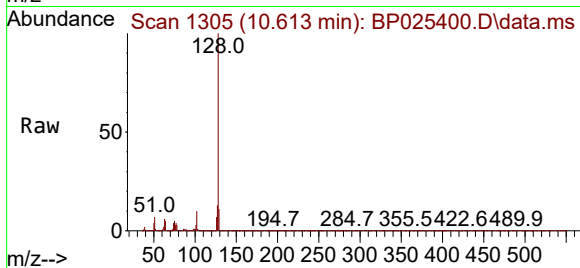
Tgt Ion:180 Resp: 474183
Ion Ratio Lower Upper
180 100
182 95.9 78.0 117.0
145 31.7 25.9 38.9





#31
Naphthalene
Concen: 37.431 ng
RT: 10.613 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

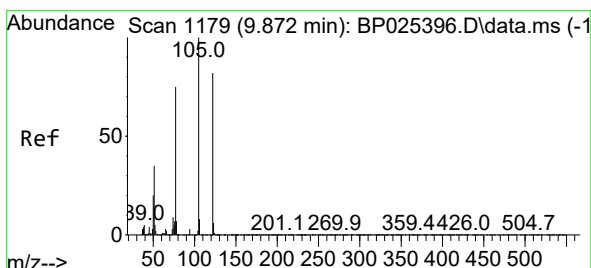
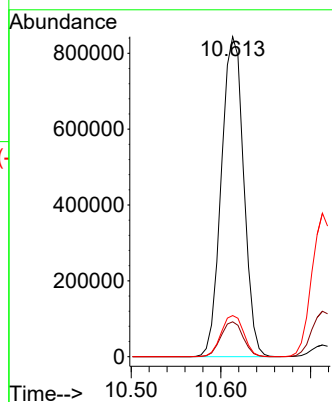
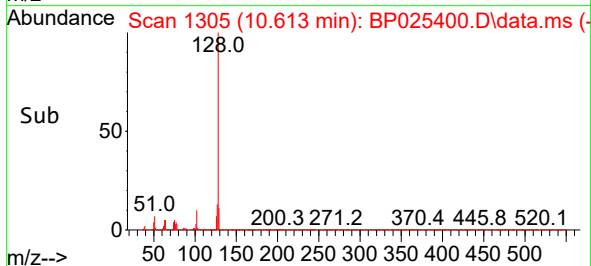
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



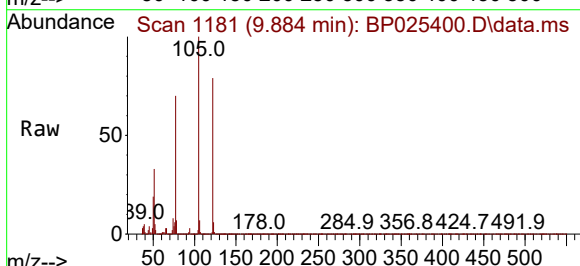
Tgt Ion:128 Resp: 1459279
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.8 10.7 16.1

Manual Integrations
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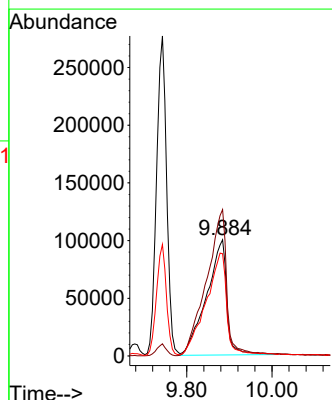
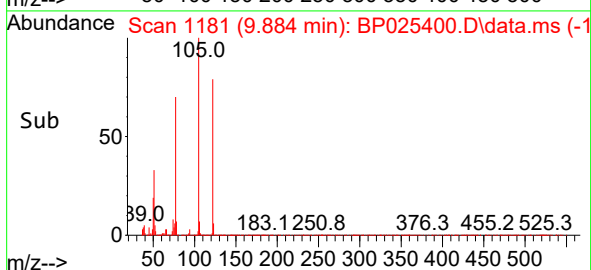
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

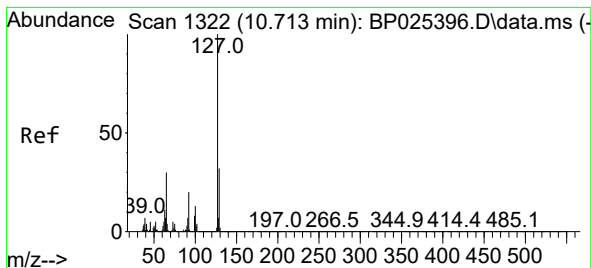


#32
Benzoic acid
Concen: 38.242 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



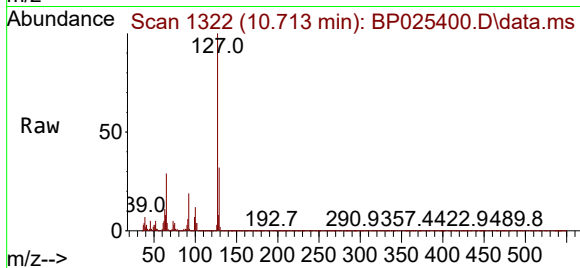
Tgt Ion:122 Resp: 330207
Ion Ratio Lower Upper
122 100
105 126.0 100.6 140.6
77 88.0 71.5 111.5





#33
4-Chloroaniline
Concen: 38.043 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

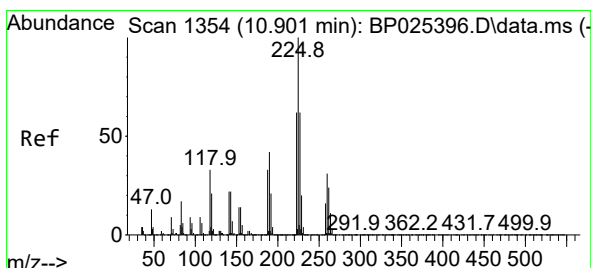
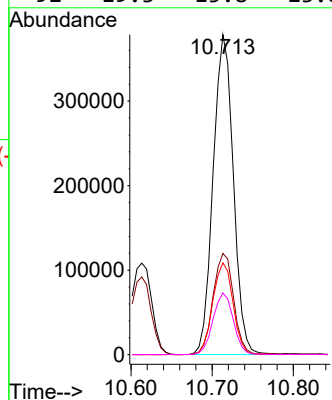
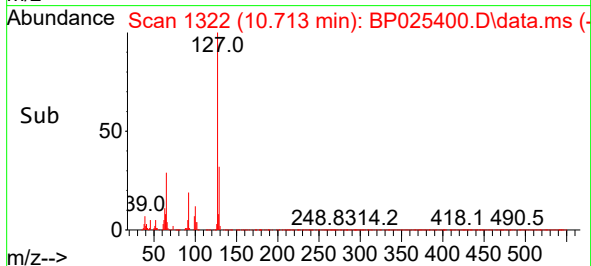
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



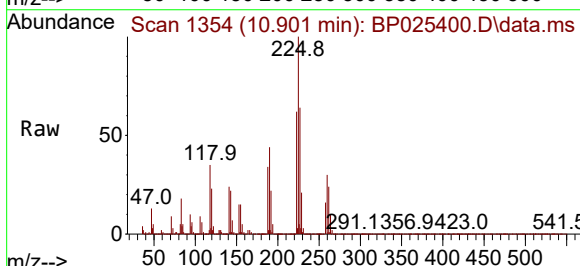
Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	28.7	23.8	35.6
92	19.3	15.8	23.8

Manual Integrations
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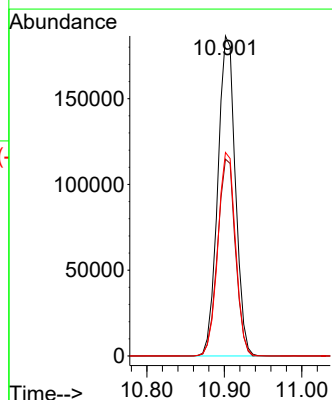
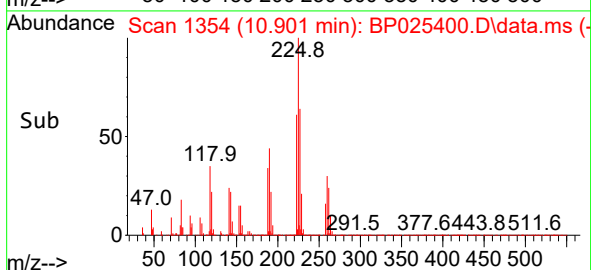
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

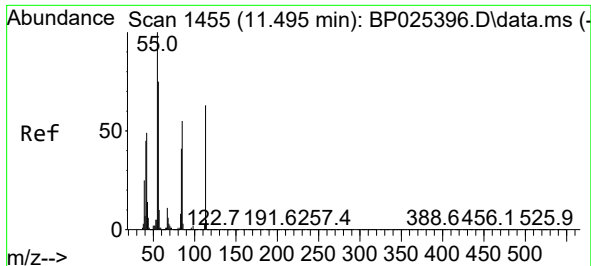


#34
Hexachlorobutadiene
Concen: 37.031 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



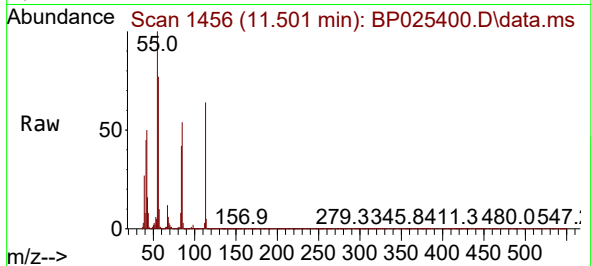
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	63.6	49.7	74.5





#35
Caprolactam
Concen: 38.310 ng
RT: 11.501 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

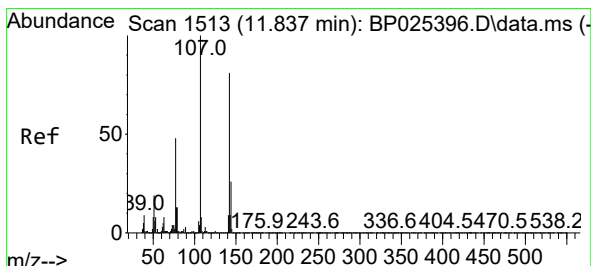
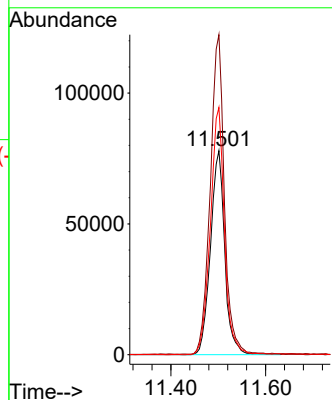
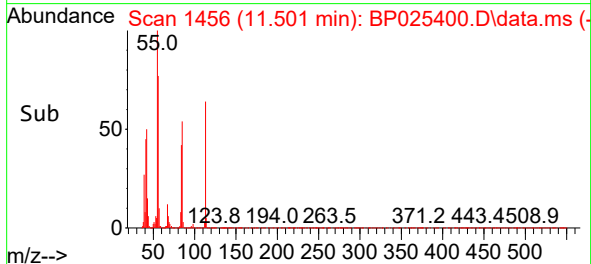
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



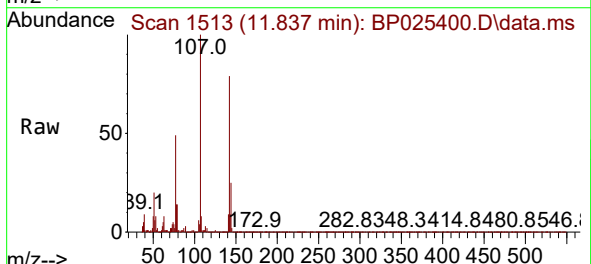
Tgt Ion:113 Resp: 16321
Ion Ratio Lower Upper
113 100
55 156.9 140.0 180.0
56 121.2 100.0 140.0

Manual Integrations
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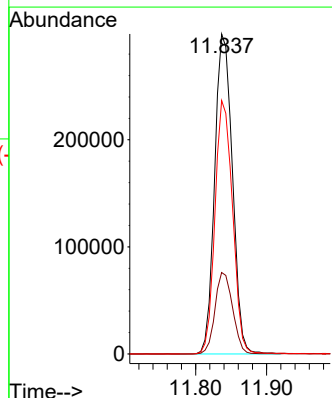
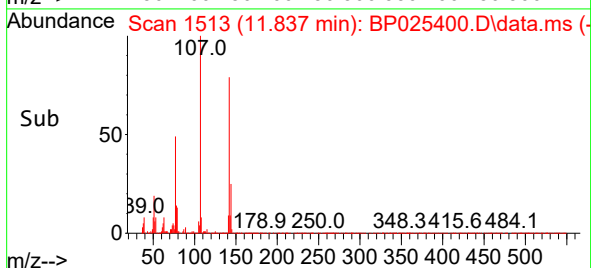
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

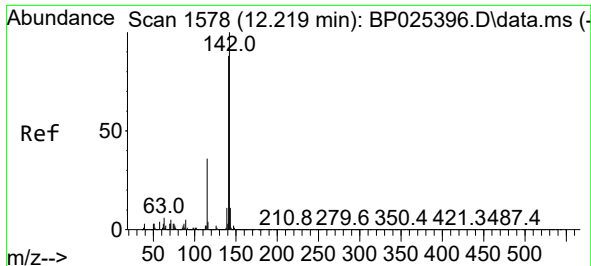


#36
4-Chloro-3-methylphenol
Concen: 38.789 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



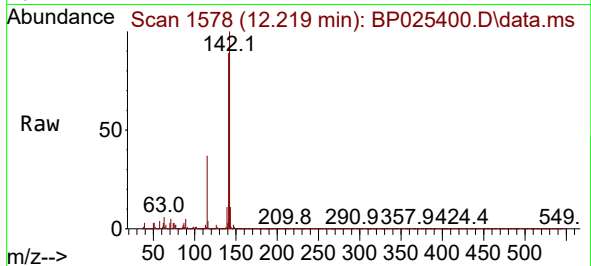
Tgt Ion:107 Resp: 517126
Ion Ratio Lower Upper
107 100
144 25.4 21.0 31.4
142 79.2 64.6 97.0





#37
2-Methylnaphthalene
Concen: 37.845 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

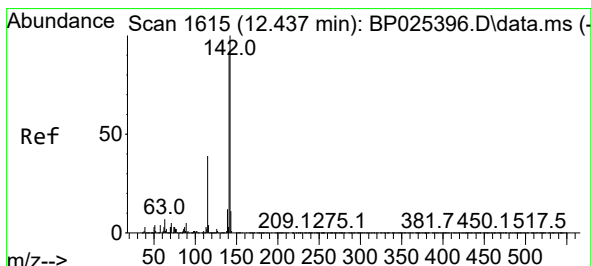
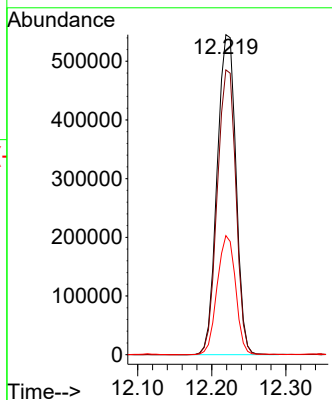
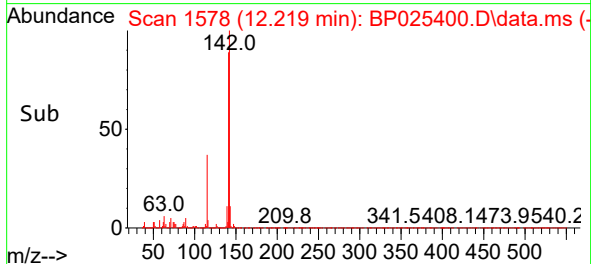
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



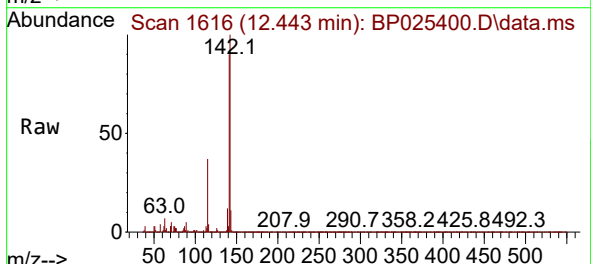
Tgt Ion:142 Resp: 960140
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 37.2 28.9 43.3

Manual Integrations
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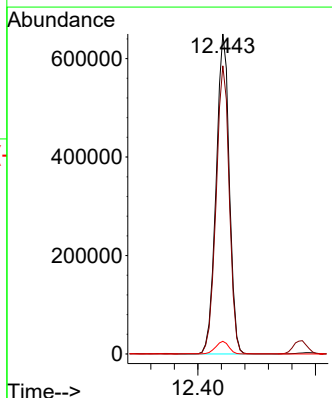
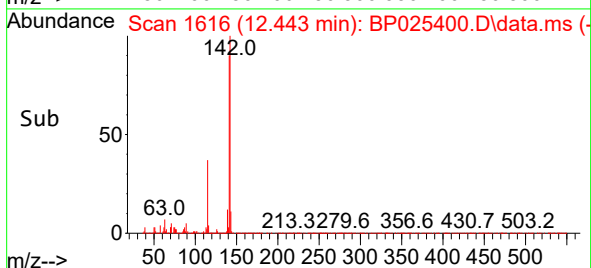
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

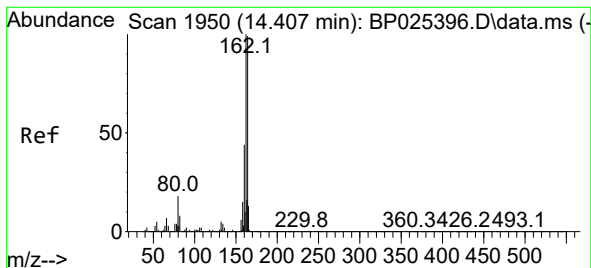


#38
1-Methylnaphthalene
Concen: 37.539 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



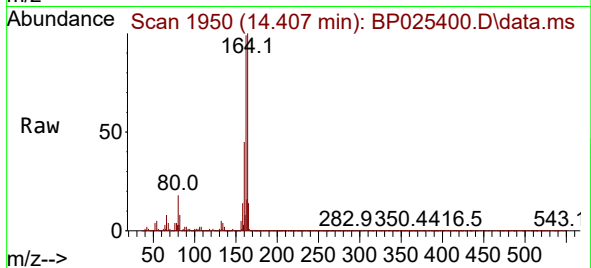
Tgt Ion:142 Resp: 1012844
Ion Ratio Lower Upper
142 100
141 90.0 73.1 109.7
116 3.9 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

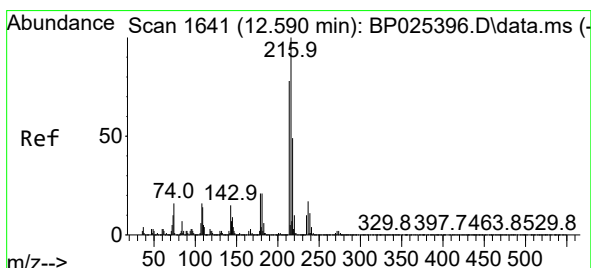
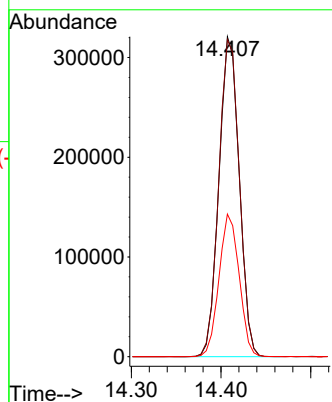
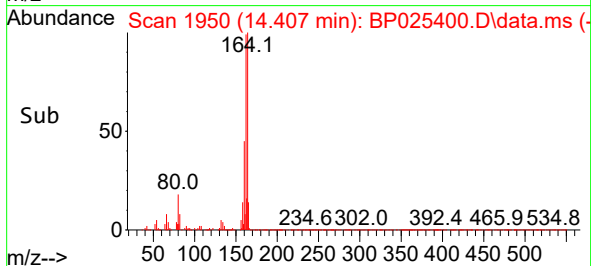
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



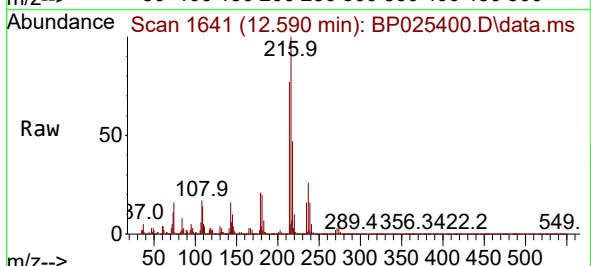
Tgt Ion:164 Resp: 503239
Ion Ratio Lower Upper
164 100
162 99.1 81.0 121.6
160 44.5 35.4 53.2

Manual Integrations
APPROVED

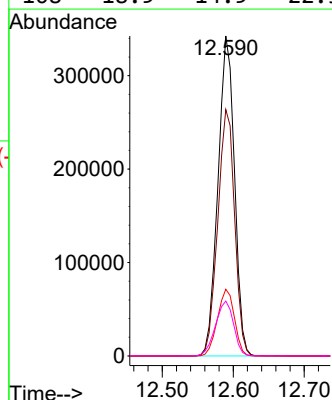
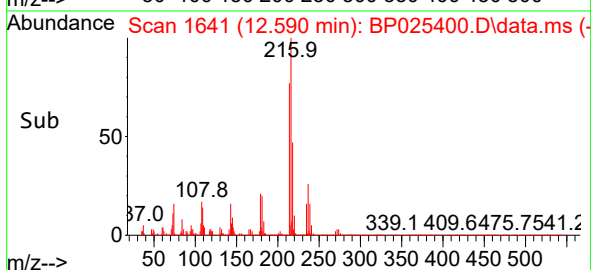
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

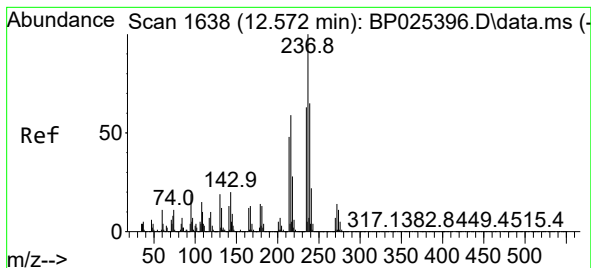


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.895 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:216 Resp: 550777
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 21.4 17.1 25.7
108 18.9 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 40.074 ng

RT: 12.572 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:237 Resp: 351819

Ion Ratio Lower Upper

237 100

235 62.7 42.7 82.7

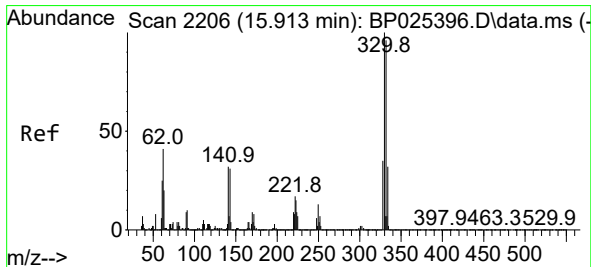
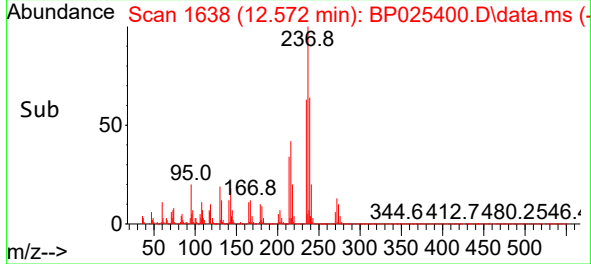
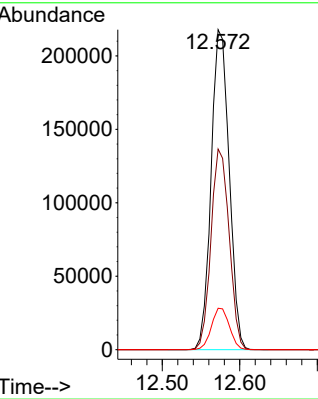
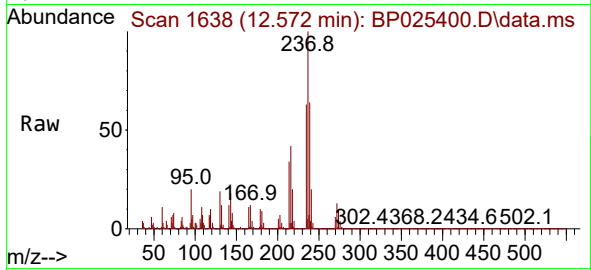
272 13.0 0.0 34.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#42

2,4,6-Tribromophenol

Concen: 71.582 ng

RT: 15.919 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

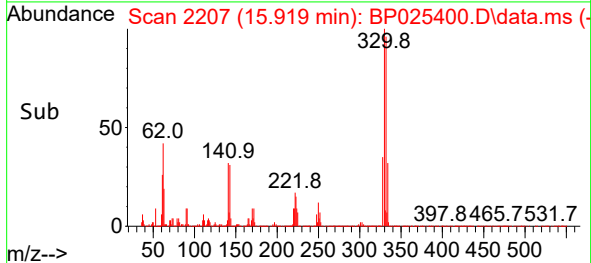
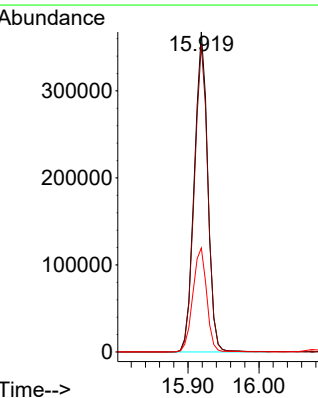
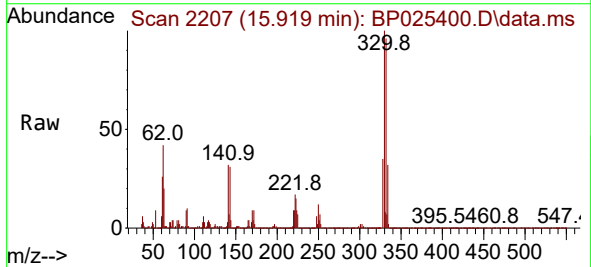
Tgt Ion:330 Resp: 484870

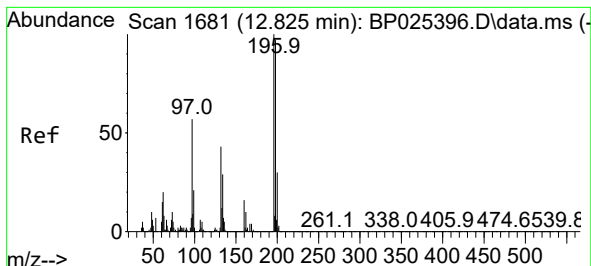
Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

141 33.4 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 38.972 ng

RT: 12.831 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP025400.D

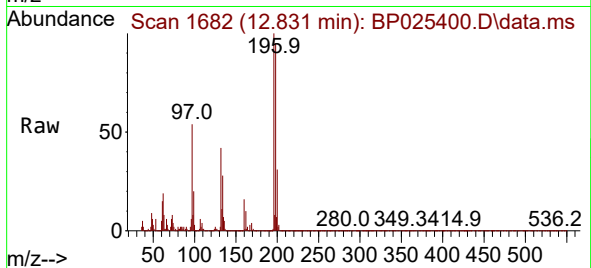
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425



Tgt Ion:196 Resp: 38239

Ion Ratio Lower Upper

196 100

198 94.8 77.2 115.8

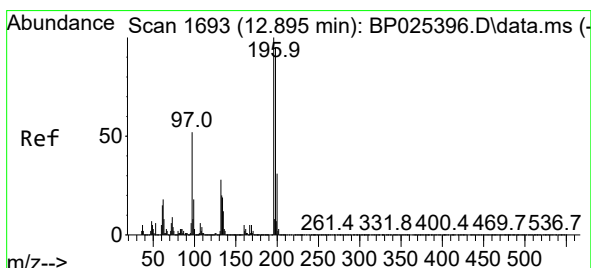
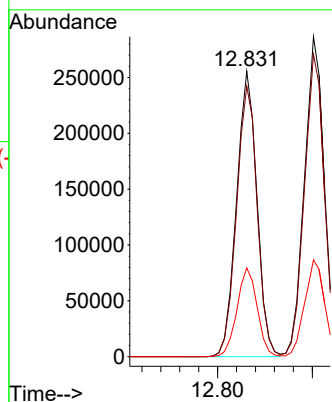
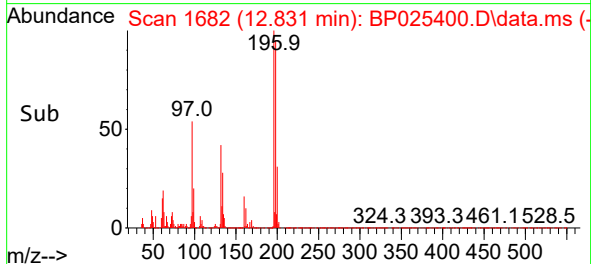
200 31.1 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#44

2,4,5-Trichlorophenol

Concen: 39.108 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Tgt Ion:196 Resp: 420565

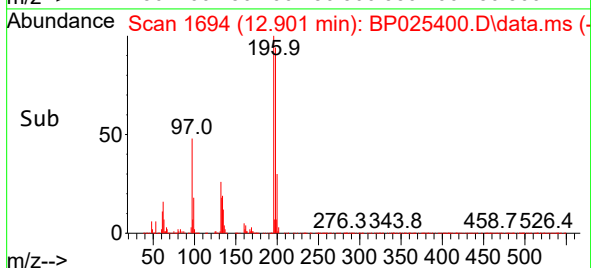
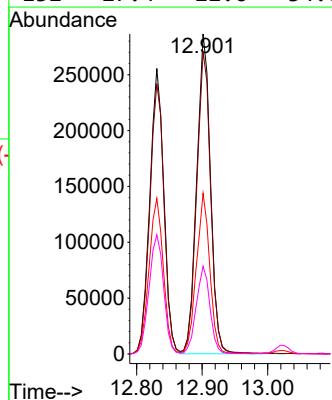
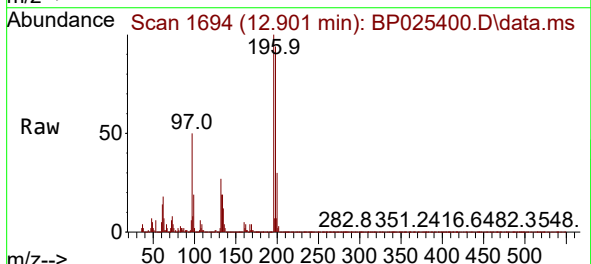
Ion Ratio Lower Upper

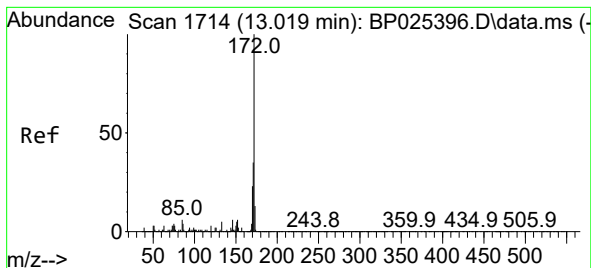
196 100

198 94.5 76.2 114.2

97 50.2 41.2 61.8

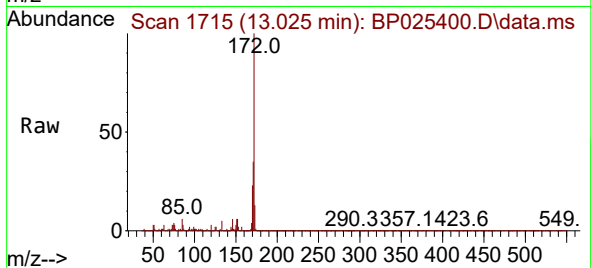
132 27.4 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 66.016 ng
RT: 13.025 min Scan# 1715
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

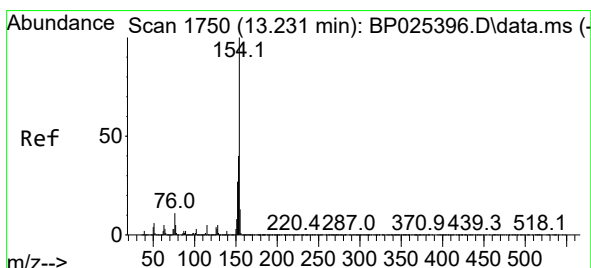
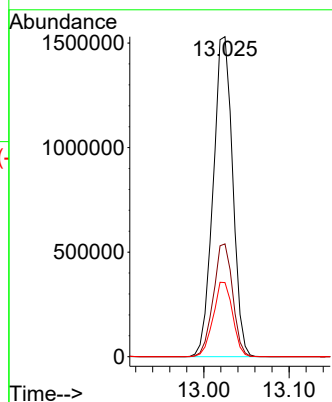
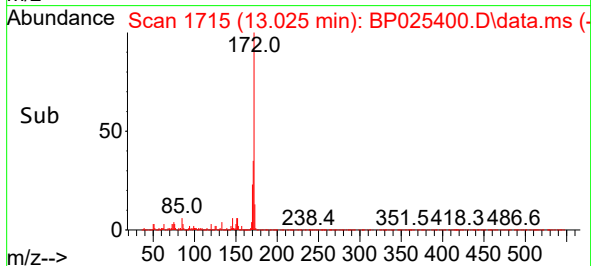
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



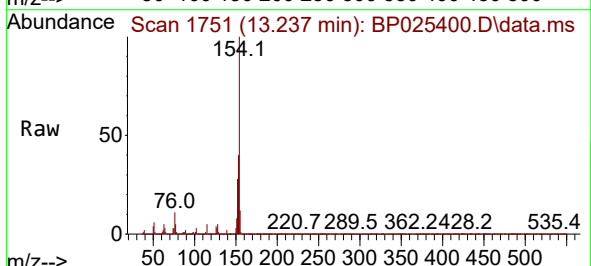
Tgt Ion:172 Resp: 2430828
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.1 18.6 28.0

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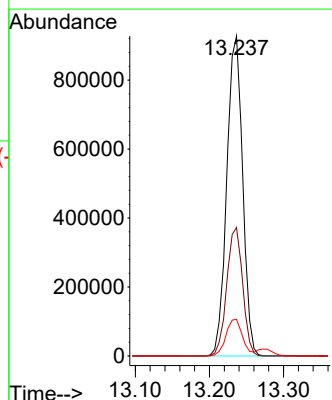
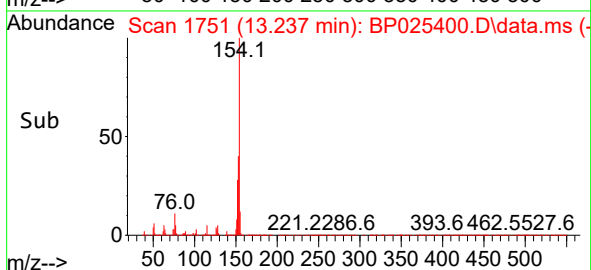
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

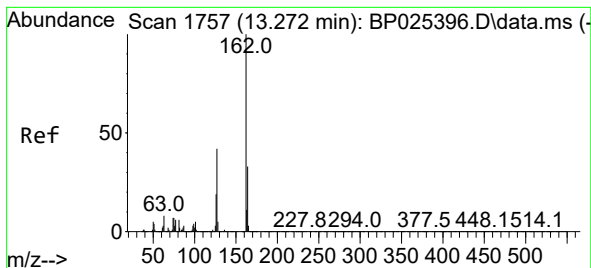


#46
1,1'-Biphenyl
Concen: 37.672 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



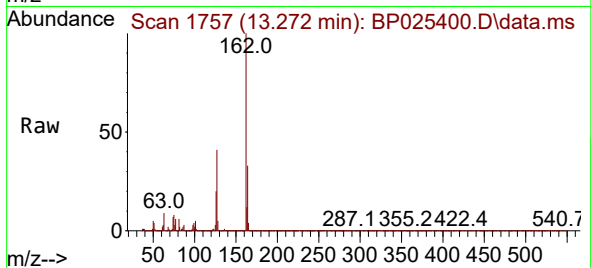
Tgt Ion:154 Resp: 1376834
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.4 0.0 31.1





#47
2-Chloronaphthalene
Concen: 37.682 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

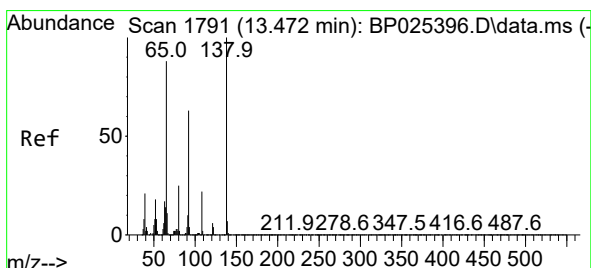
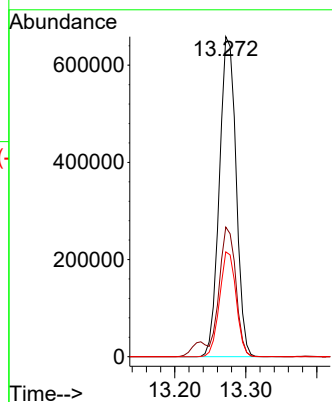
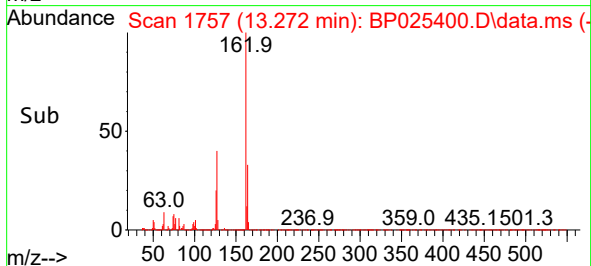
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



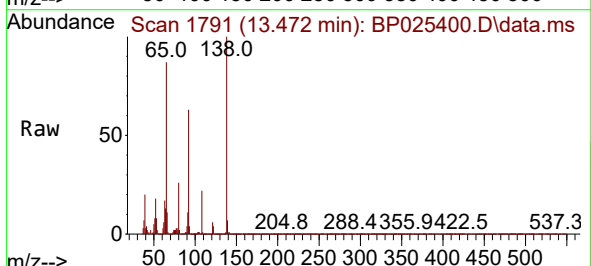
Tgt Ion:162 Resp: 107214
Ion Ratio Lower Upper
162 100
127 40.5 33.4 50.2
164 32.8 26.2 39.2

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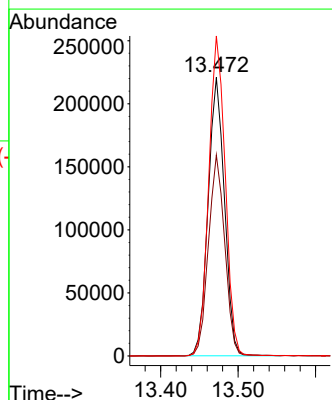
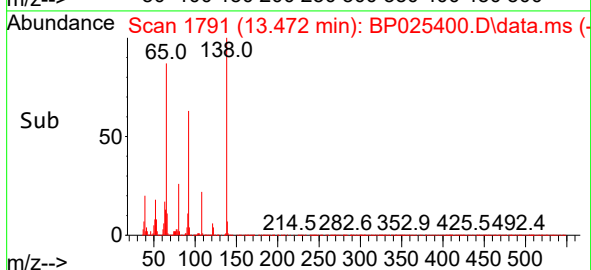
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

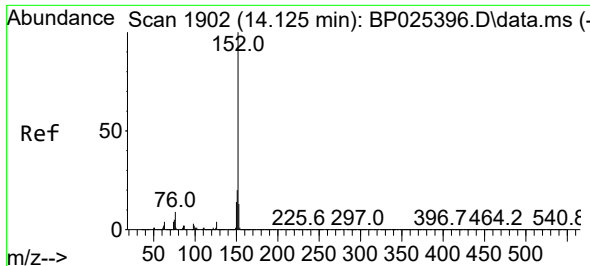


#48
2-Nitroaniline
Concen: 39.081 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



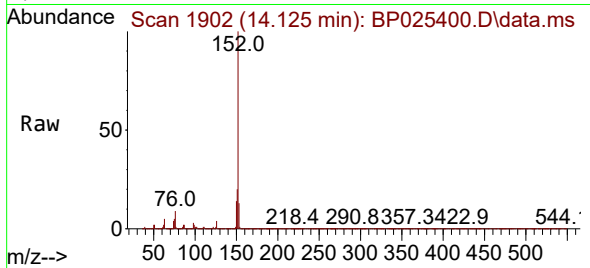
Tgt Ion: 65 Resp: 323995
Ion Ratio Lower Upper
65 100
92 72.2 57.6 86.4
138 114.9 91.0 136.6





#49
Acenaphthylene
Concen: 37.720 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

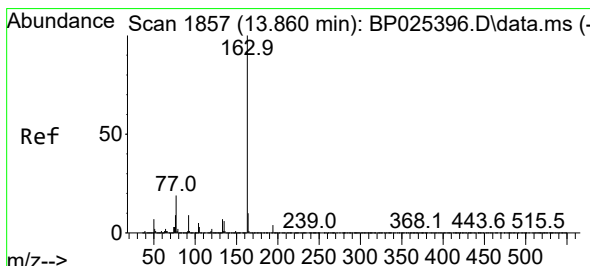
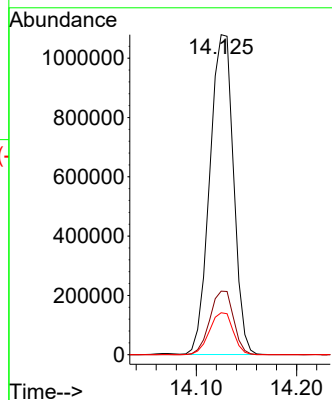
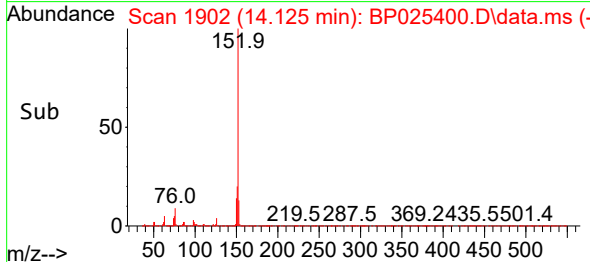
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



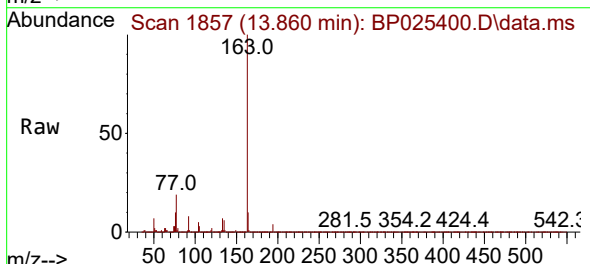
Tgt Ion:152 Resp: 177589
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.1 10.6 15.8

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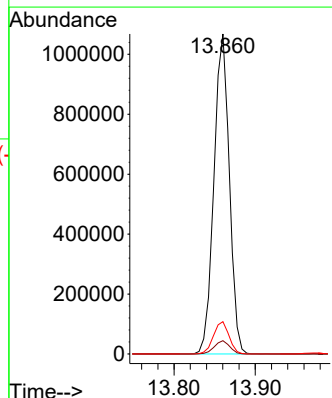
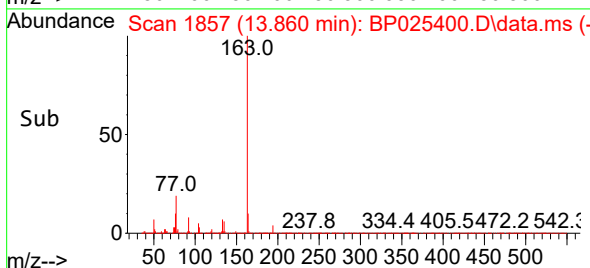
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

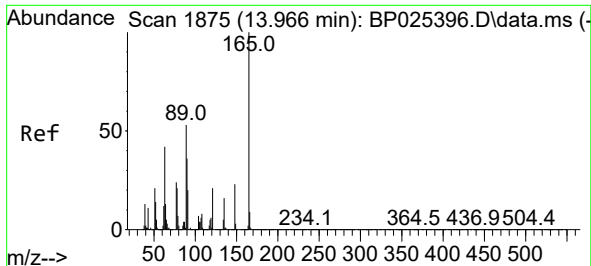


#50
Dimethylphthalate
Concen: 38.170 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



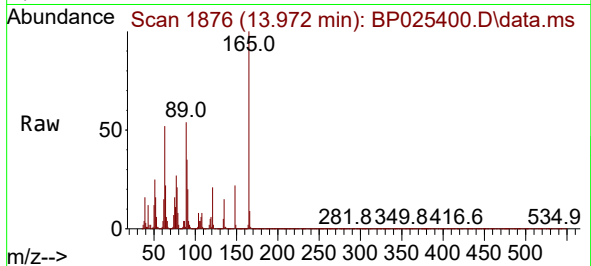
Tgt Ion:163 Resp: 1406620
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 39.211 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

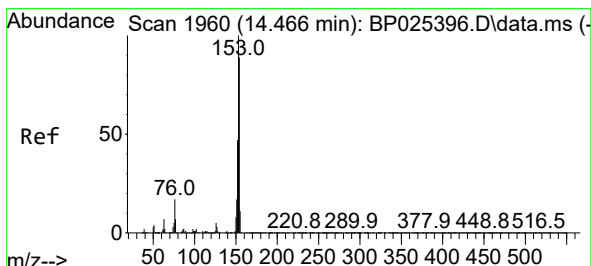
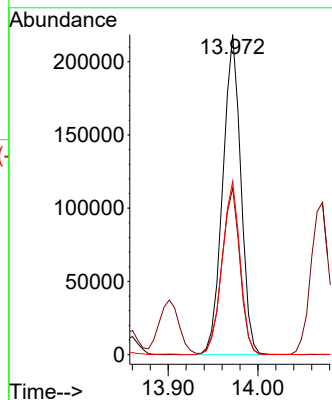
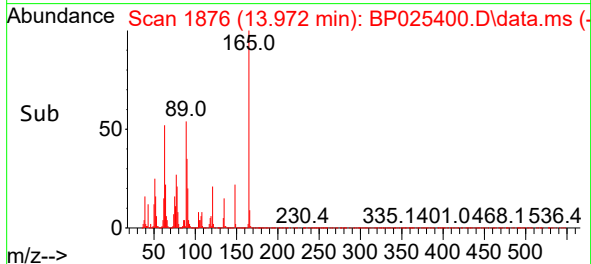
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



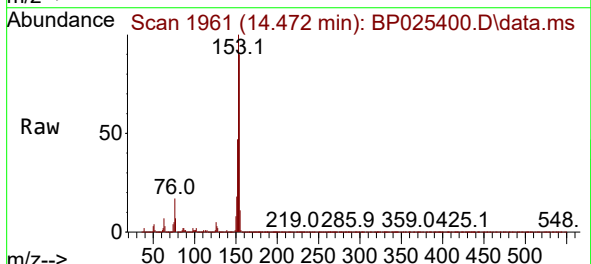
Tgt Ion:165 Resp: 304562
Ion Ratio Lower Upper
165 100
63 52.1 40.9 61.3
89 54.2 42.1 63.1

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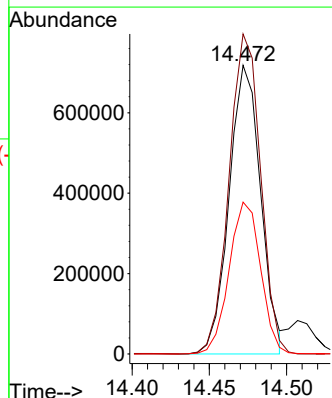
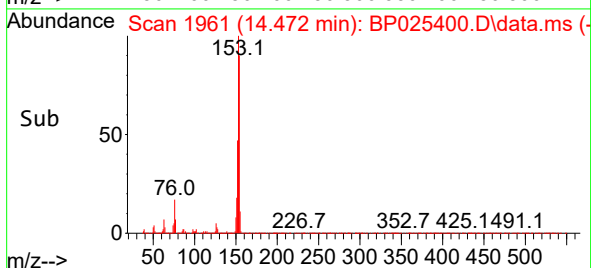
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

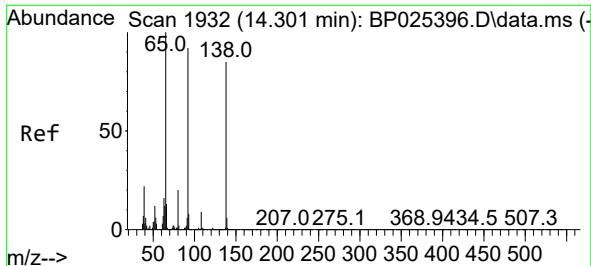


#52
Acenaphthene
Concen: 36.837 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



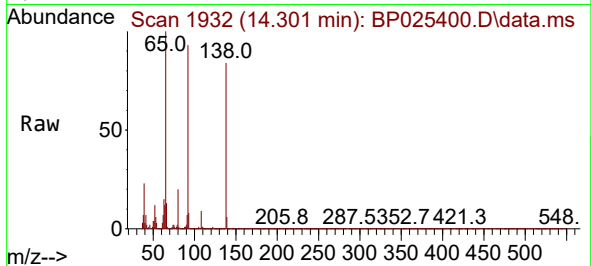
Tgt Ion:154 Resp: 1018011
Ion Ratio Lower Upper
154 100
153 110.9 90.2 135.2
152 52.6 42.1 63.1





#53
3-Nitroaniline
Concen: 40.027 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

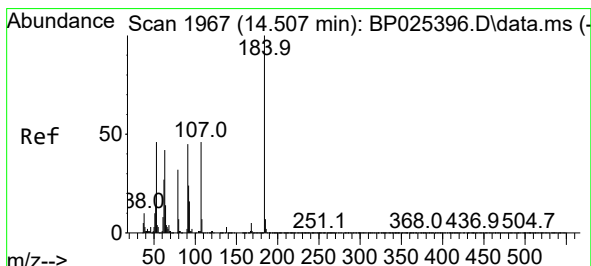
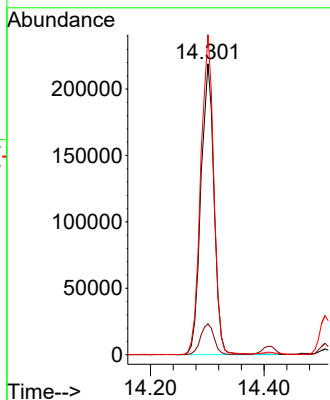
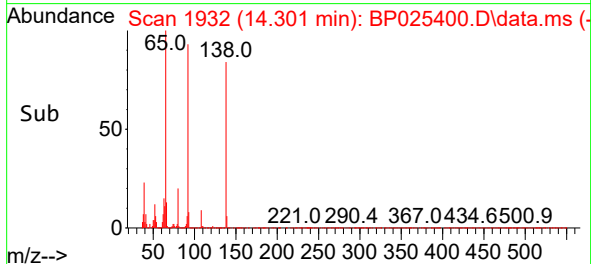
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



Tgt Ion:138 Resp: 34979
Ion Ratio Lower Upper
138 100
108 10.6 8.3 12.5
92 110.0 86.2 129.2

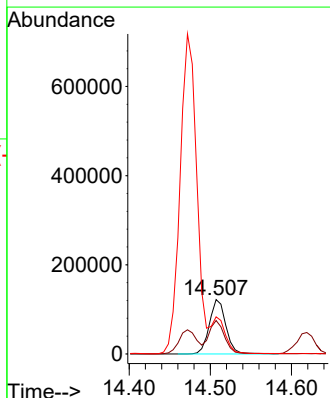
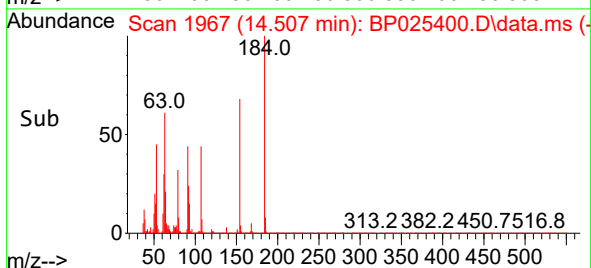
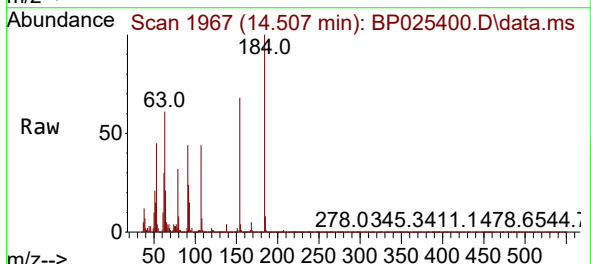
Manual Integrations
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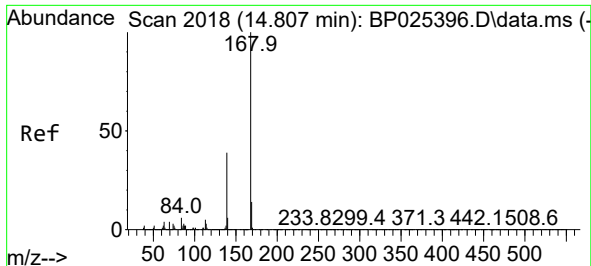
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#54
2,4-Dinitrophenol
Concen: 41.646 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

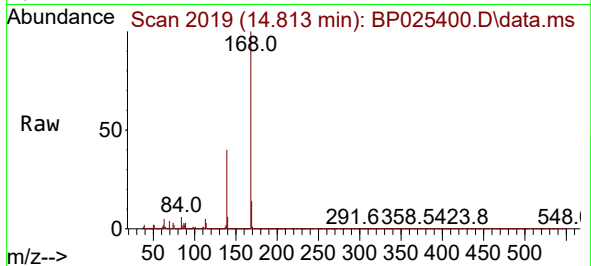
Tgt Ion:184 Resp: 172743
Ion Ratio Lower Upper
184 100
63 61.3 49.4 74.2
154 68.1 54.6 82.0





#55
Dibenzenofuran
Concen: 37.324 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

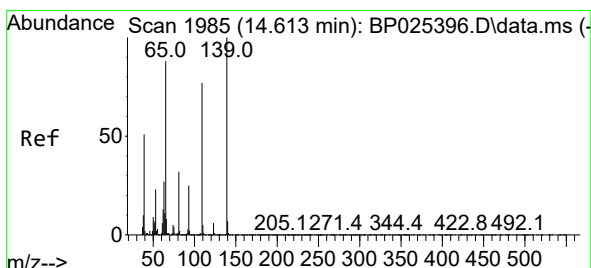
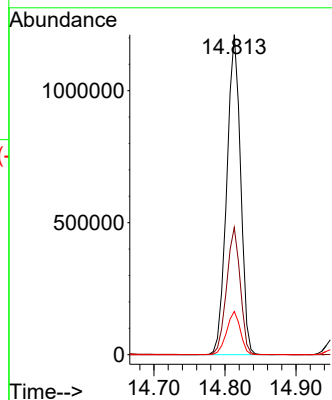
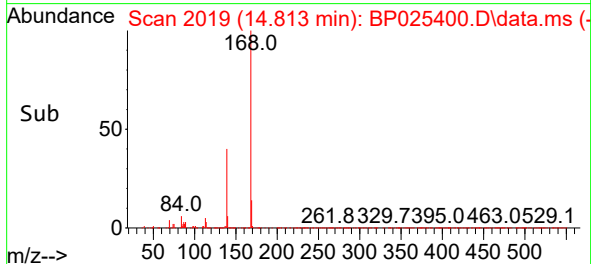
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



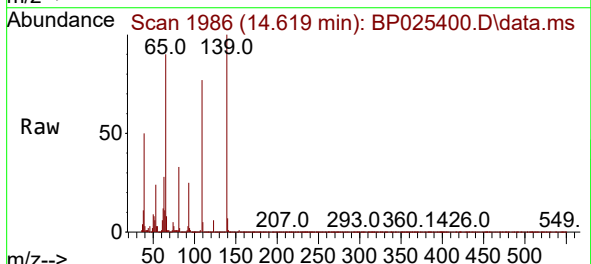
Tgt Ion:168 Resp: 1630744
Ion Ratio Lower Upper
168 100
139 39.8 31.5 47.3
169 13.5 10.9 16.3

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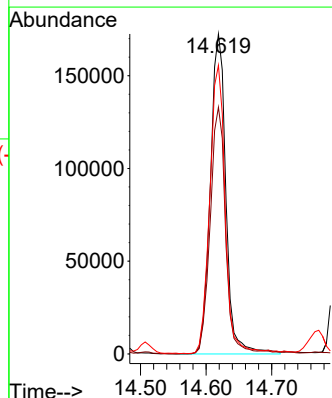
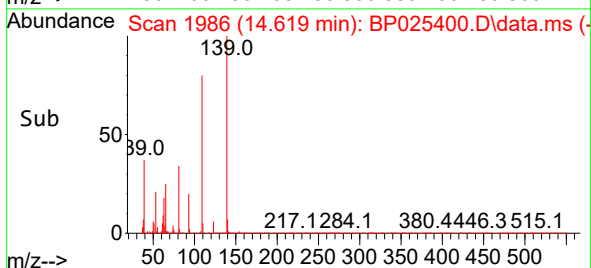
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

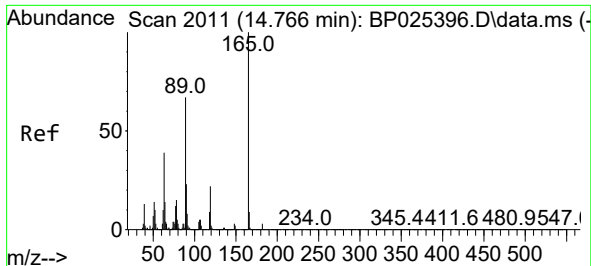


#56
4-Nitrophenol
Concen: 39.630 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



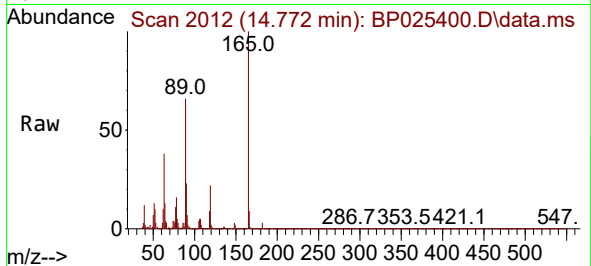
Tgt Ion:139 Resp: 284585
Ion Ratio Lower Upper
139 100
109 77.1 56.6 96.6
65 90.2 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 40.439 ng
RT: 14.772 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

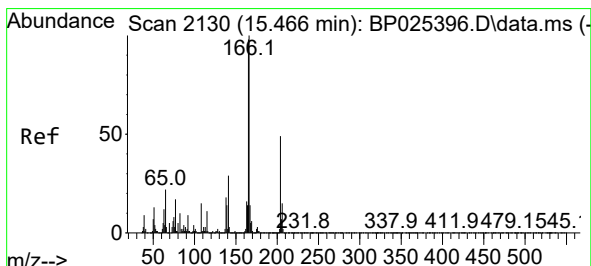
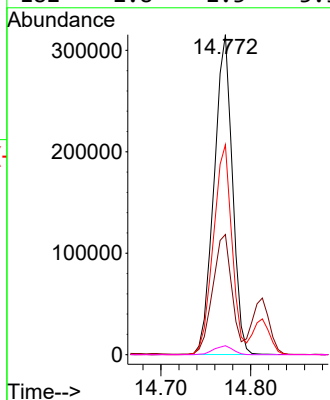
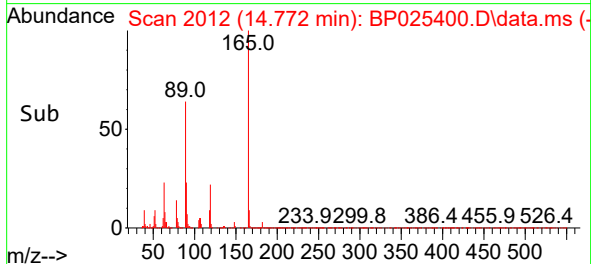
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



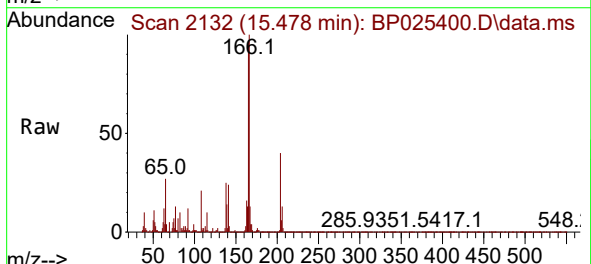
Tgt Ion:165 Resp: 44814
Ion Ratio Lower Upper
165 100
63 37.5 31.4 47.2
89 65.6 53.3 79.9
182 2.8 2.3 3.5

Manual Integrations
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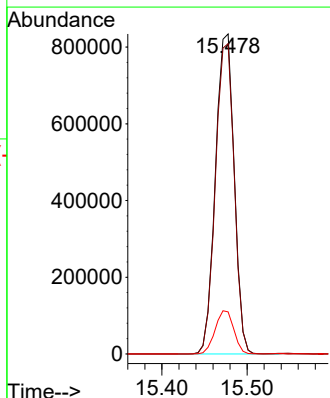
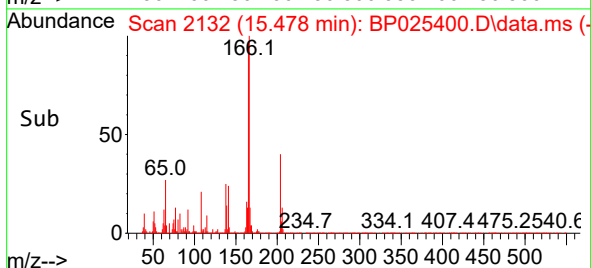
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

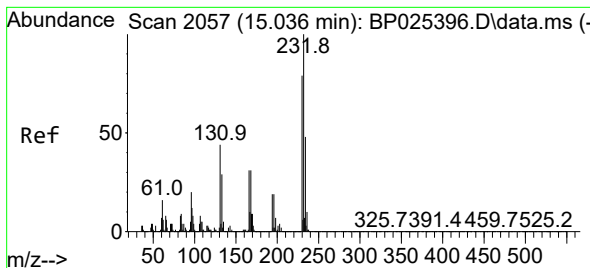


#58
Fluorene
Concen: 36.992 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



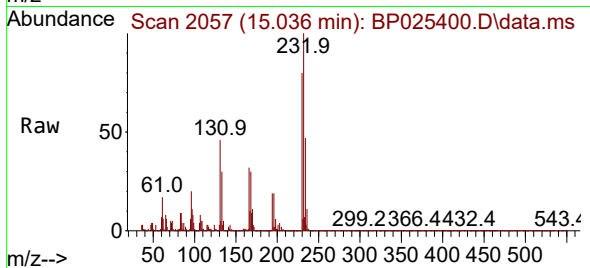
Tgt Ion:166 Resp: 1275341
Ion Ratio Lower Upper
166 100
165 97.0 78.8 118.2
167 13.2 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.147 ng
RT: 15.036 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

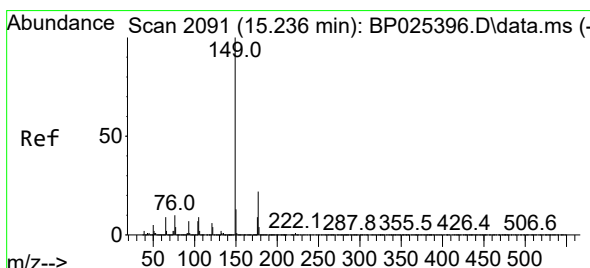
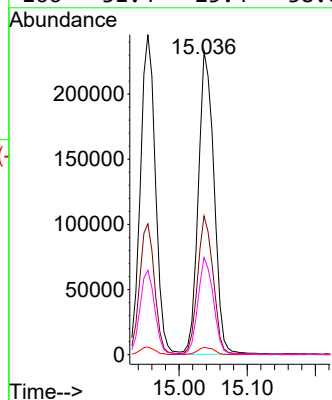
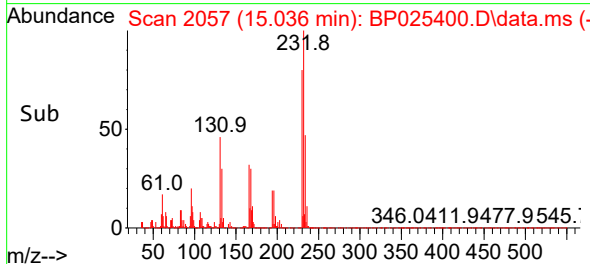
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



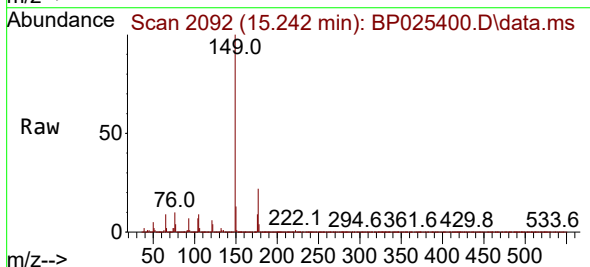
Tgt Ion:232 Resp: 37171
Ion Ratio Lower Upper
232 100
131 45.3 37.0 55.6
130 2.6 1.9 2.9
166 31.4 25.4 38.0

Manual Integrations
APPROVED

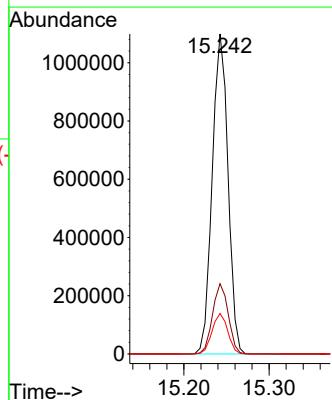
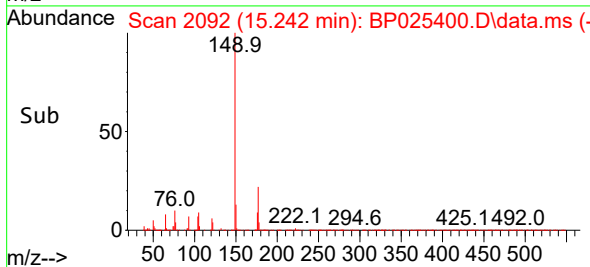
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

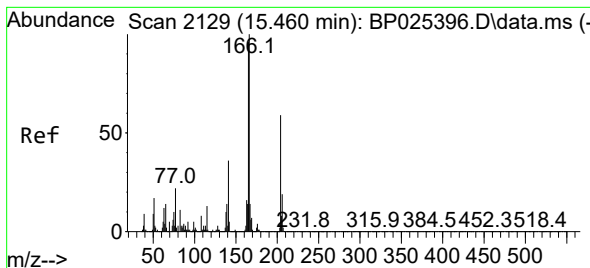


#60
Diethylphthalate
Concen: 37.810 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



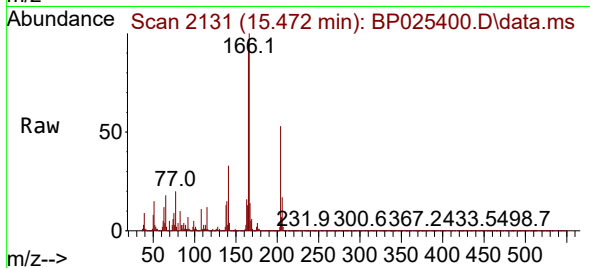
Tgt Ion:149 Resp: 1415787
Ion Ratio Lower Upper
149 100
177 22.0 17.3 25.9
150 12.7 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 36.596 ng
RT: 15.472 min Scan# 2129
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

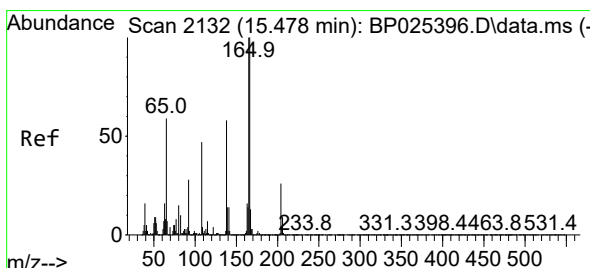
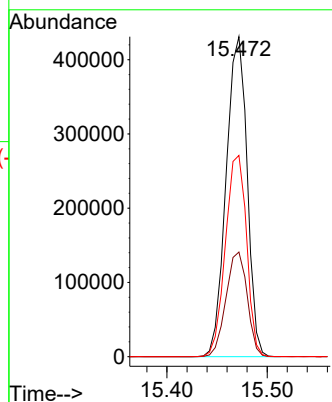
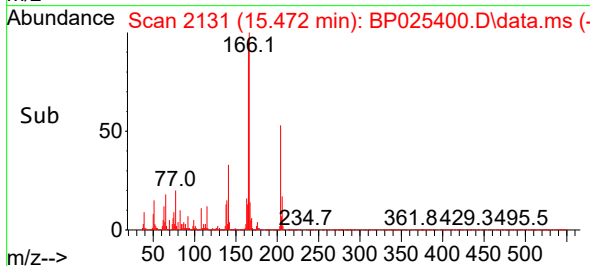
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



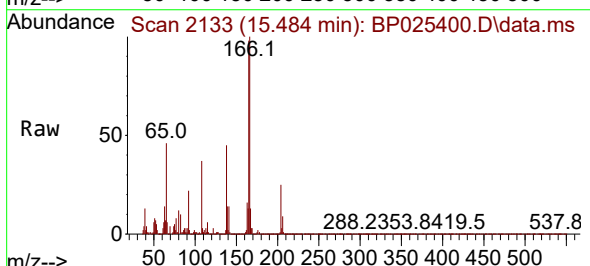
Tgt Ion:204 Resp: 62747
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.8
141 62.9 49.4 74.2

Manual Integrations
APPROVED

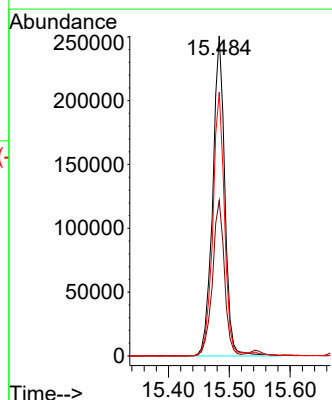
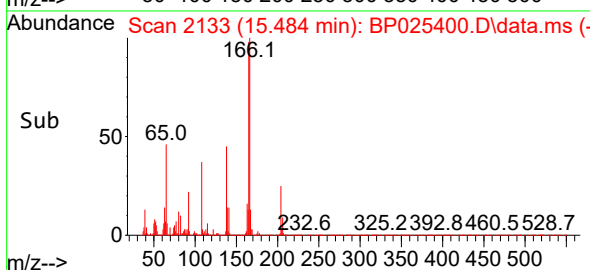
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

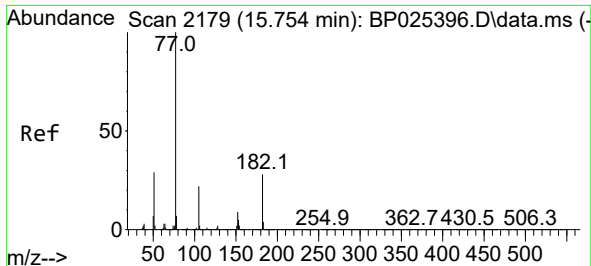


#62
4-Nitroaniline
Concen: 38.717 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



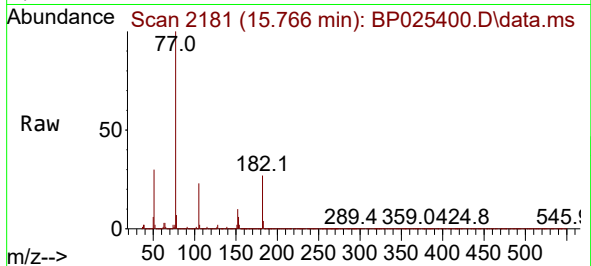
Tgt Ion:138 Resp: 346865
Ion Ratio Lower Upper
138 100
92 48.5 29.1 69.1
108 82.4 61.5 101.5





#63
Azobenzene
Concen: 38.526 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

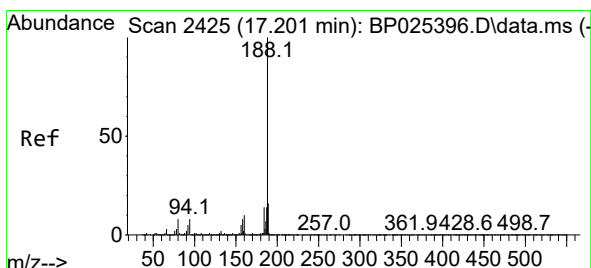
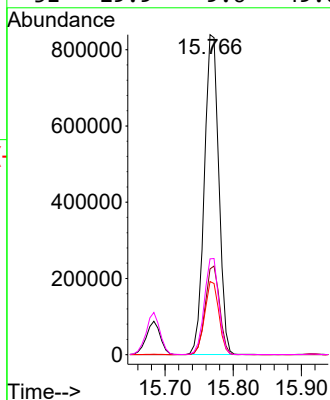
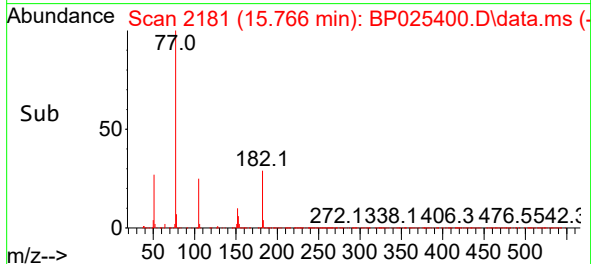
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



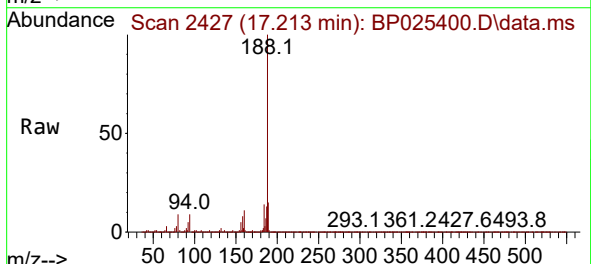
Tgt Ion: 77 Resp: 123524
Ion Ratio Lower Upper
77 100
182 26.8 7.5 47.5
105 22.8 2.1 42.1
51 29.9 9.6 49.6

Manual Integrations
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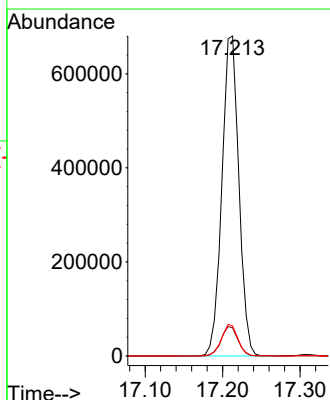
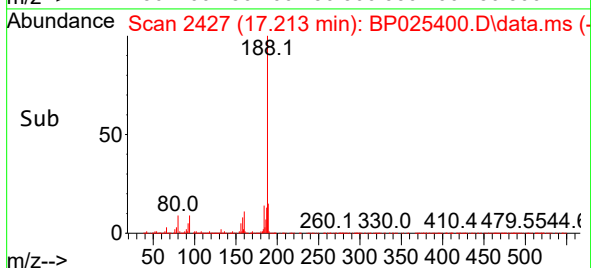
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

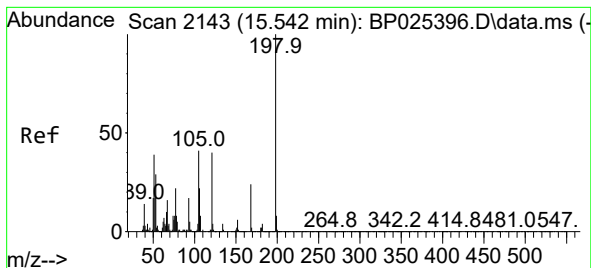


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



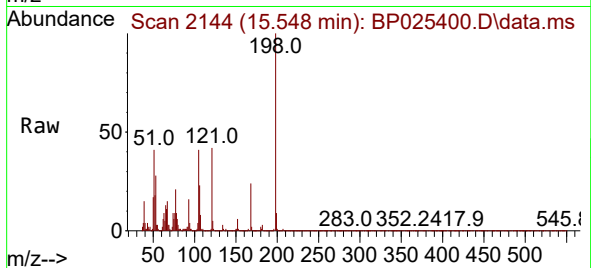
Tgt Ion:188 Resp: 1034378
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.4 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 39.721 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

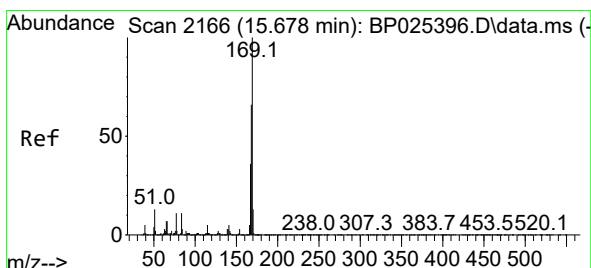
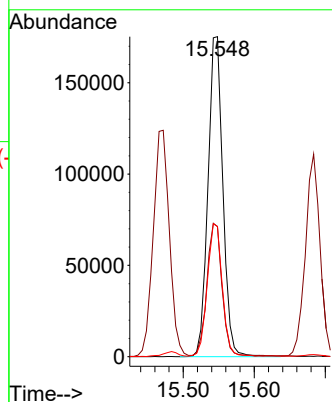
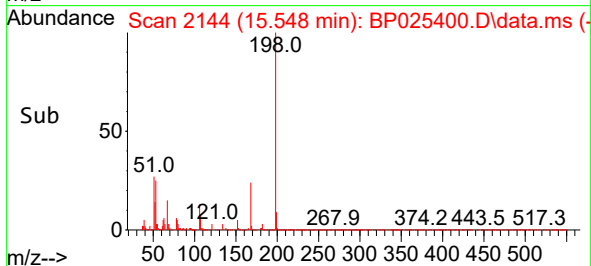
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



Tgt Ion:198 Resp: 25611
Ion Ratio Lower Upper
198 100
51 40.6 19.6 59.6
105 40.7 20.9 60.9

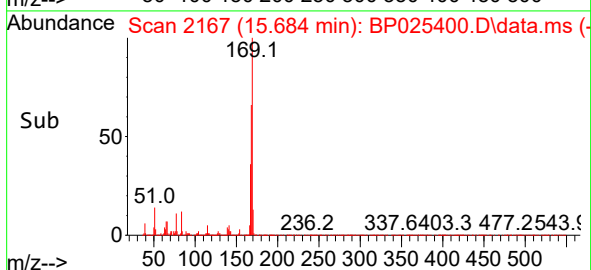
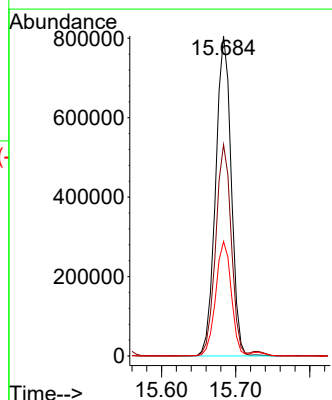
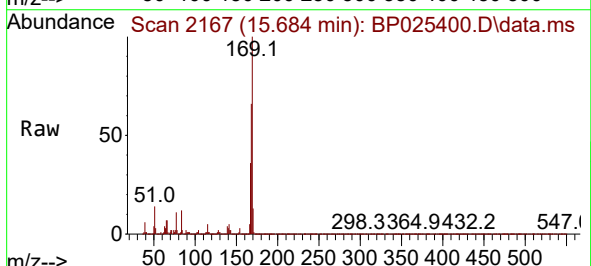
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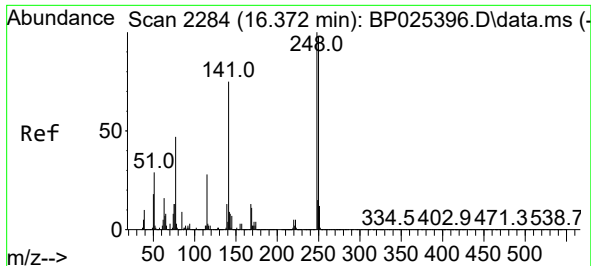
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 37.227 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:169 Resp: 1174244
Ion Ratio Lower Upper
169 100
168 66.0 53.2 79.8
167 35.7 28.7 43.1





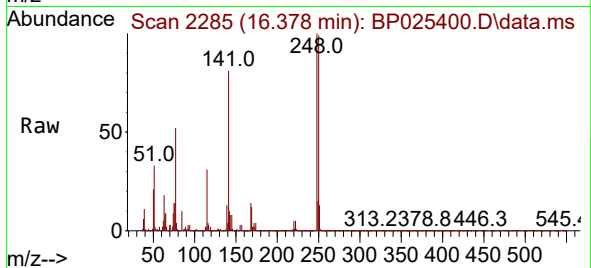
#67
4-Bromophenyl-phenylether
Concen: 37.101 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425



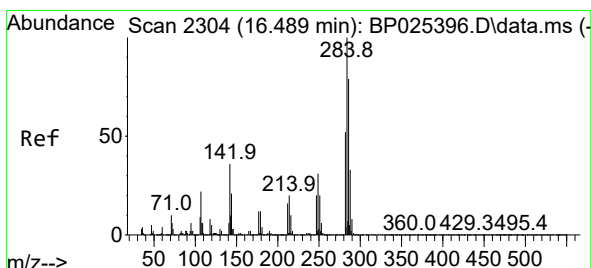
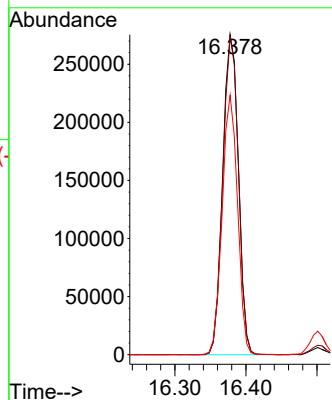
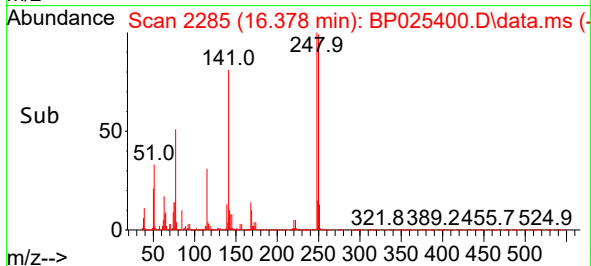
Tgt Ion:248 Resp: 422072
Ion Ratio Lower Upper
248 100
250 99.4 78.2 117.2
141 81.1 59.6 89.4

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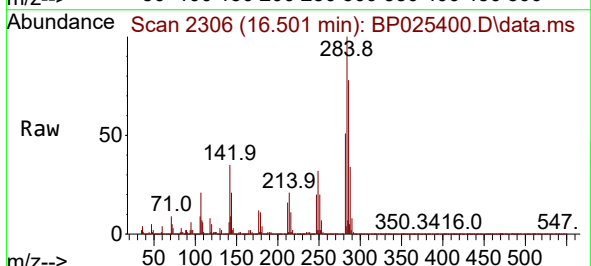
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Reviewed By :Rahul Chavli 08/15/2025

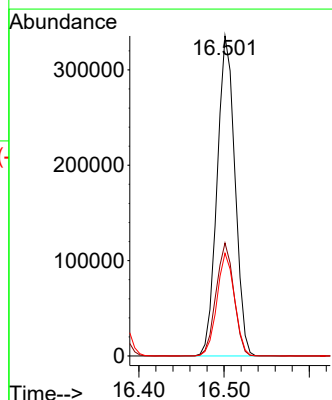
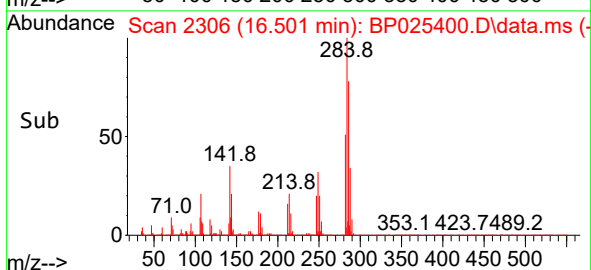
Supervised By :Jagrut Upadhyay 08/15/2025

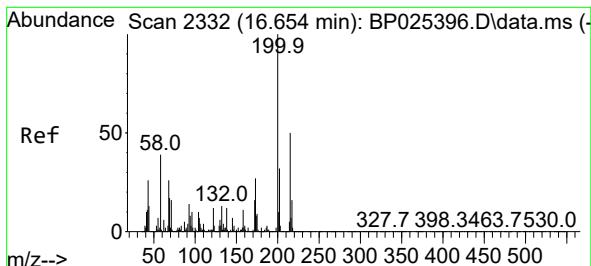


#68
Hexachlorobenzene
Concen: 37.062 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:284 Resp: 488749
Ion Ratio Lower Upper
284 100
142 35.3 29.1 43.7
249 32.1 25.0 37.4





#69

Atrazine

Concen: 38.057 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

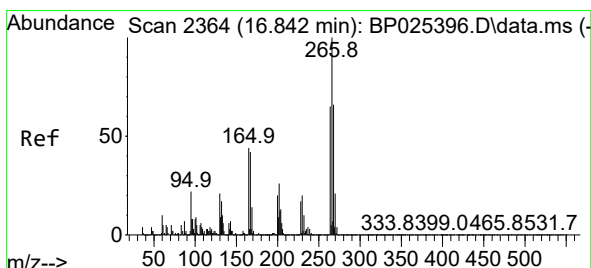
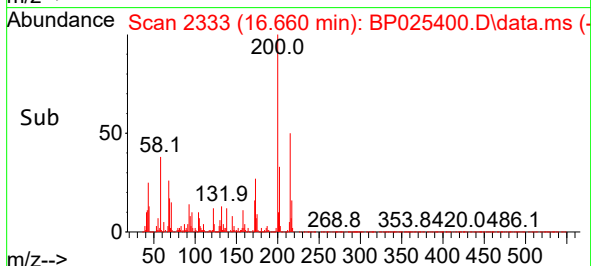
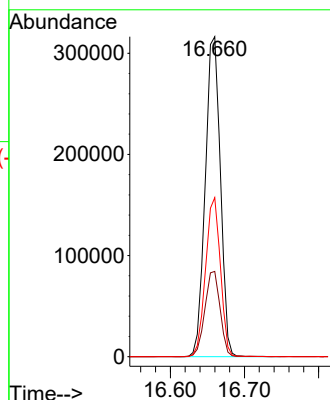
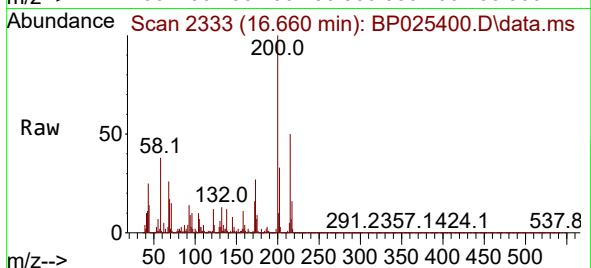
ICVBP081425

Tgt Ion:200 Resp: 44955
 Ion Ratio Lower Upper
 200 100
 173 26.7 6.7 46.7
 215 49.7 29.7 69.7

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 38.733 ng

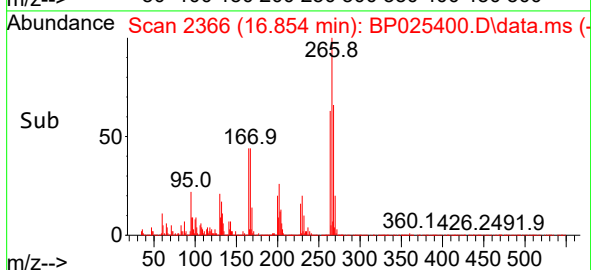
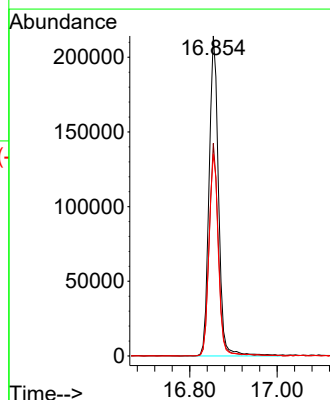
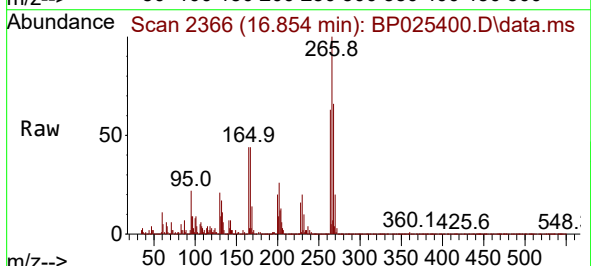
RT: 16.854 min Scan# 2366

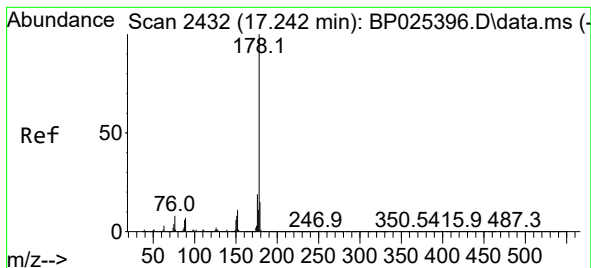
Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Tgt Ion:266 Resp: 322435
 Ion Ratio Lower Upper
 266 100
 268 66.4 52.6 79.0
 264 63.2 52.0 78.0





#71

Phenanthrene

Concen: 36.445 ng

RT: 17.254 min Scan# 2432

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:178 Resp: 207087

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

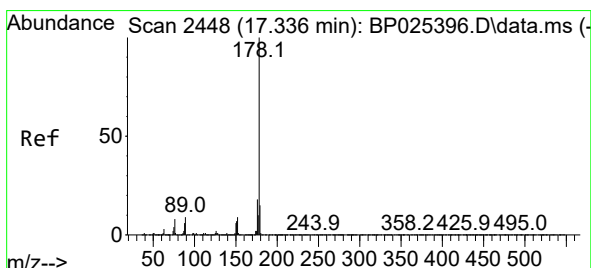
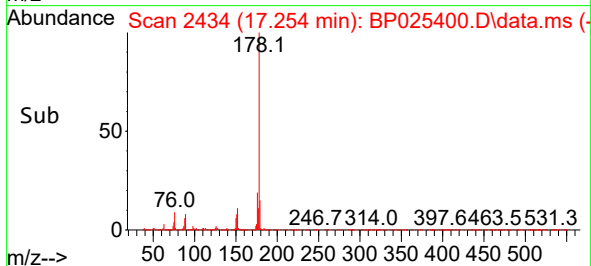
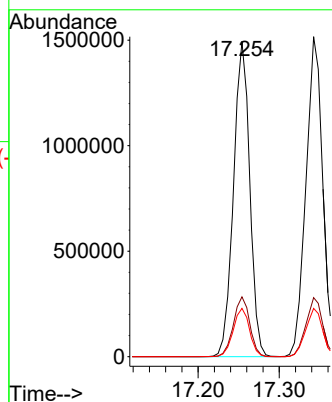
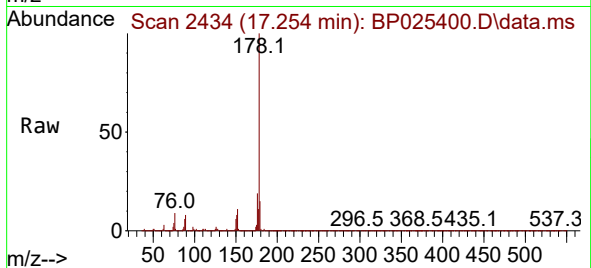
179 15.3 12.2 18.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#72

Anthracene

Concen: 37.563 ng

RT: 17.342 min Scan# 2449

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

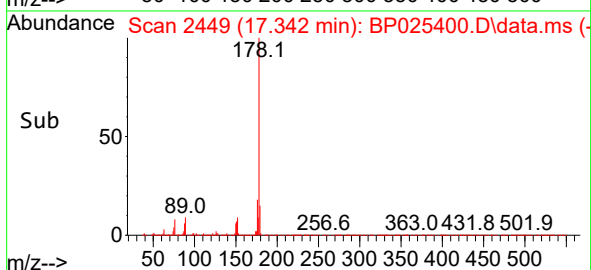
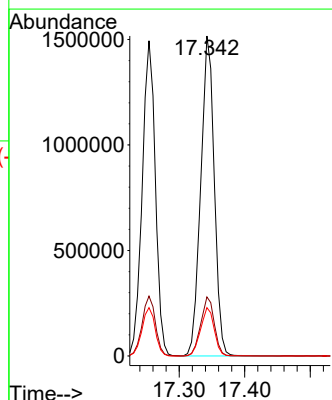
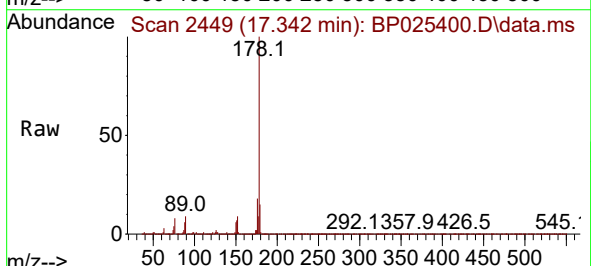
Tgt Ion:178 Resp: 2179669

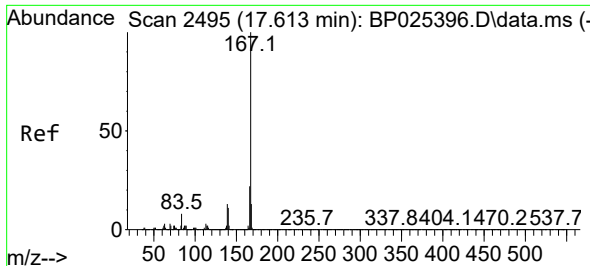
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

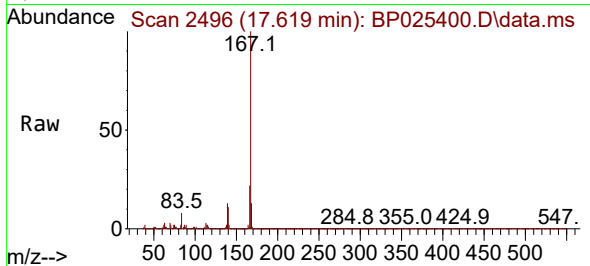
179 15.1 12.2 18.2





#73
 Carbazole
 Concen: 37.116 ng
 RT: 17.619 min Scan# 2495
 Delta R.T. 0.006 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

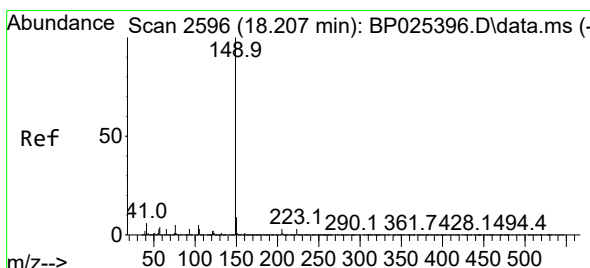
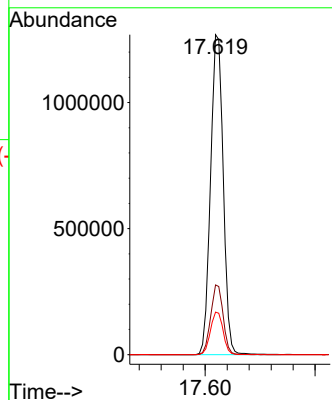
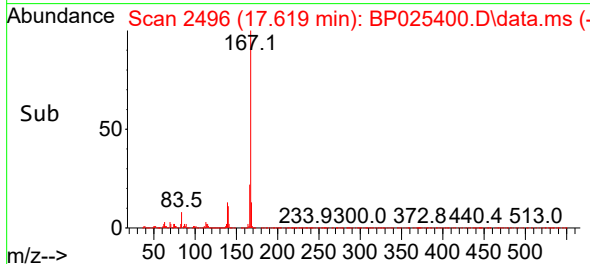
Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425



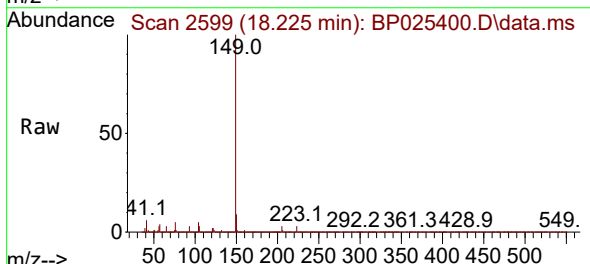
Tgt Ion:167 Resp: 202859
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.5 26.3
 139 13.3 10.6 16.0

Manual Integrations
 APPROVED

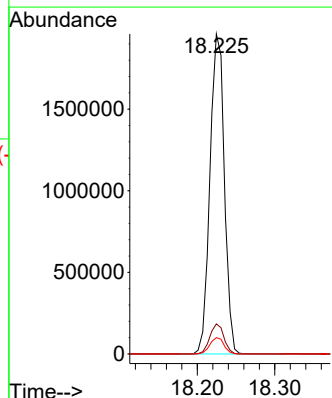
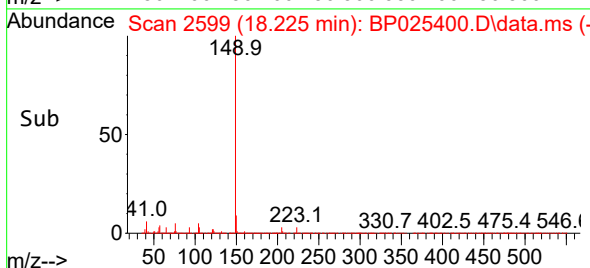
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

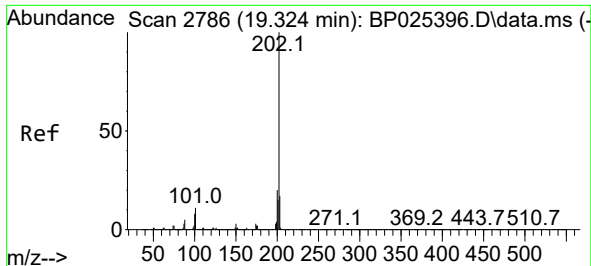


#74
 Di-n-butylphthalate
 Concen: 37.602 ng
 RT: 18.225 min Scan# 2599
 Delta R.T. 0.018 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05



Tgt Ion:149 Resp: 2528547
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 5.1 4.2 6.2





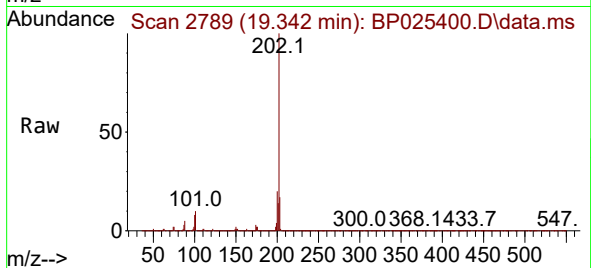
#75
Fluoranthene
Concen: 37.481 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

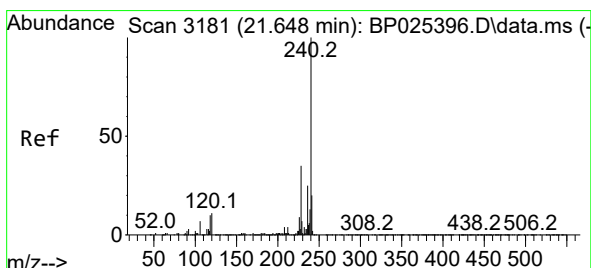
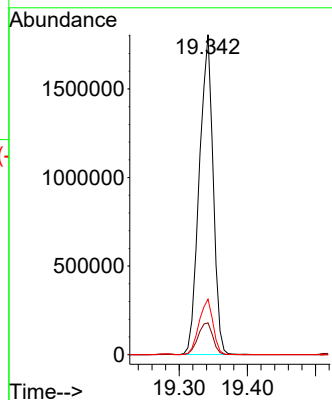
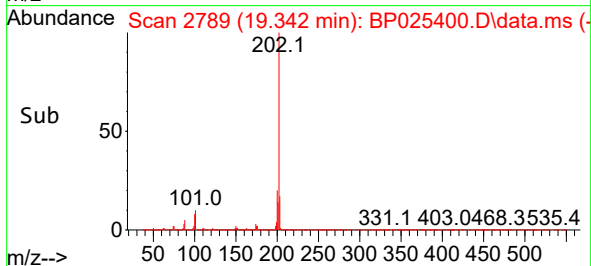


Tgt Ion:202 Resp: 254041
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.4 0.0 37.3

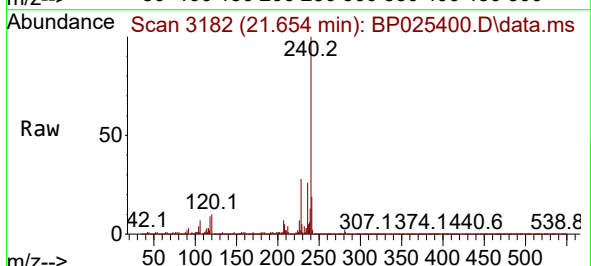
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

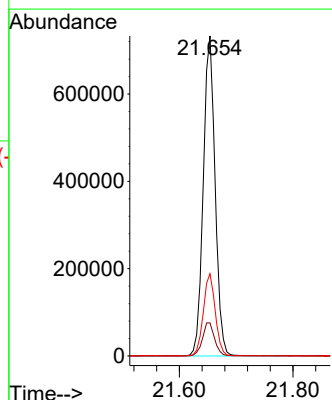
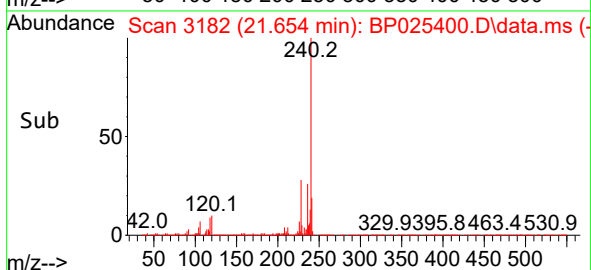
Supervised By :Jagrut Upadhyay 08/15/2025

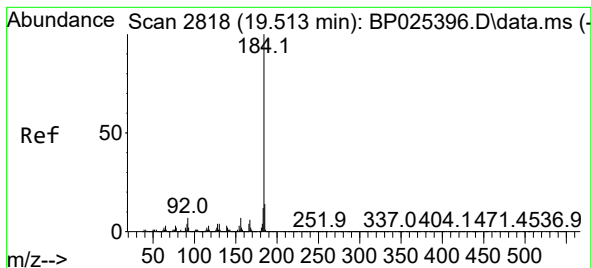


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:240 Resp: 1060337
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.7 19.8 29.8





#77

Benzidine

Concen: 42.271 ng

RT: 19.519 min Scan# 2818

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:184 Resp: 1529650

Ion Ratio Lower Upper

184 100

185 13.9 11.5 17.3

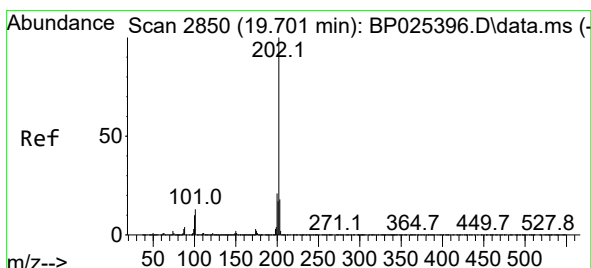
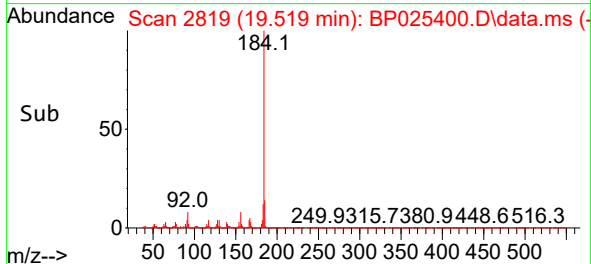
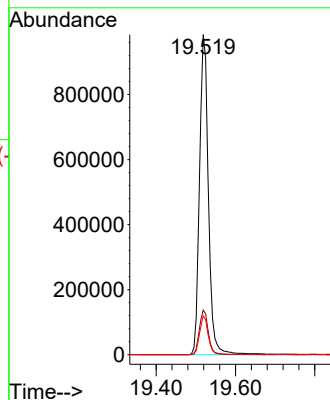
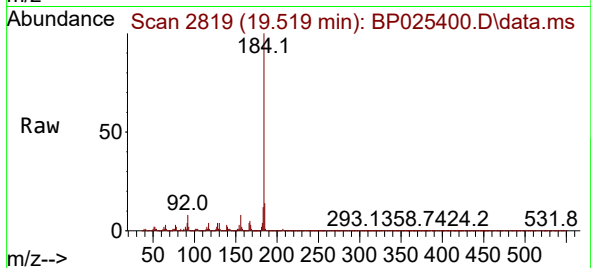
183 12.1 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#78

Pyrene

Concen: 37.404 ng

RT: 19.713 min Scan# 2852

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

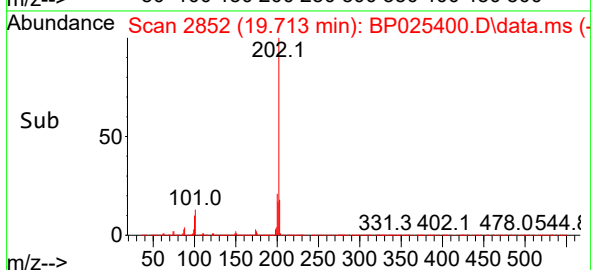
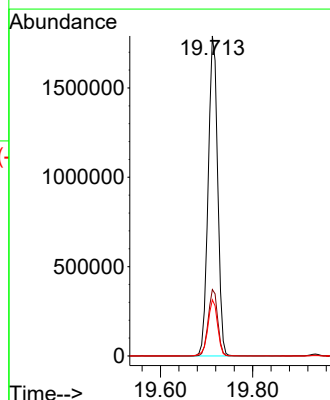
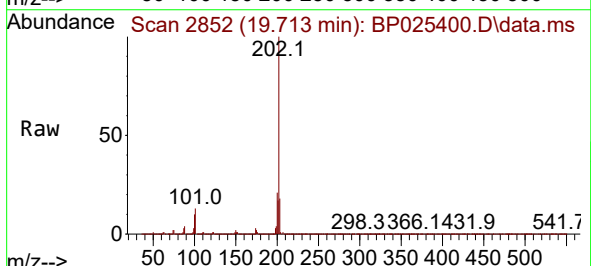
Tgt Ion:202 Resp: 2577810

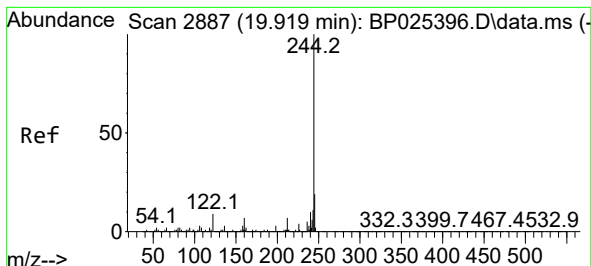
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 66.399 ng

RT: 19.936 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025400.D

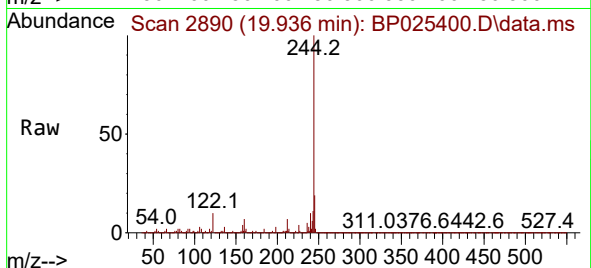
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425



Tgt Ion:244 Resp: 384816

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

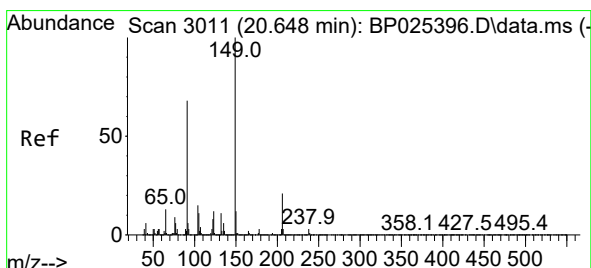
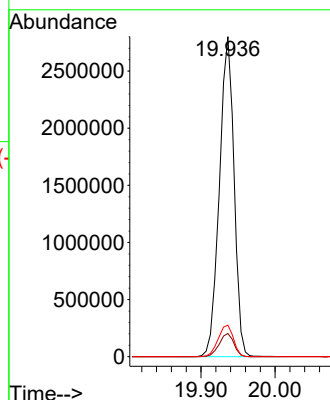
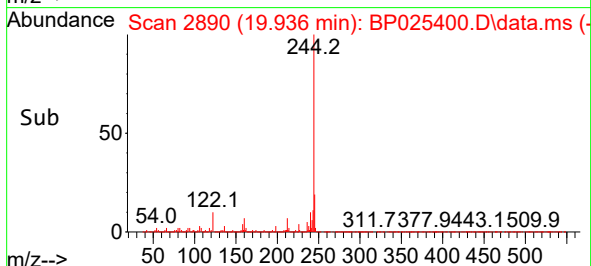
122 9.9 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 38.401 ng

RT: 20.660 min Scan# 3013

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

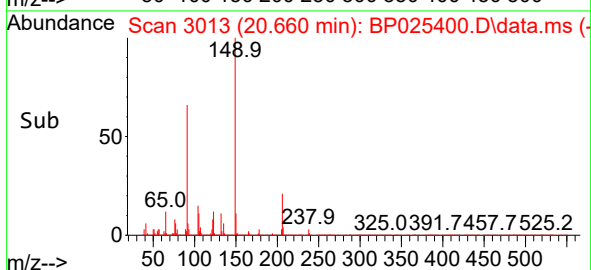
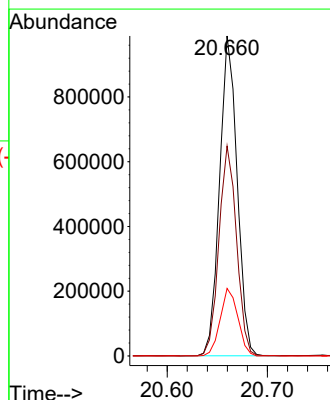
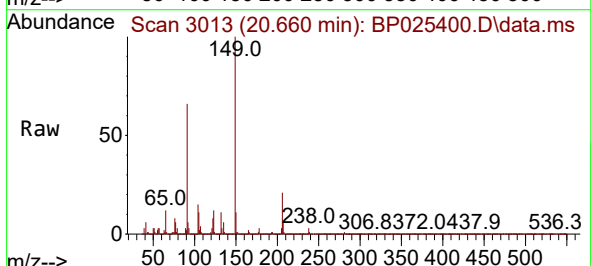
Tgt Ion:149 Resp: 1199445

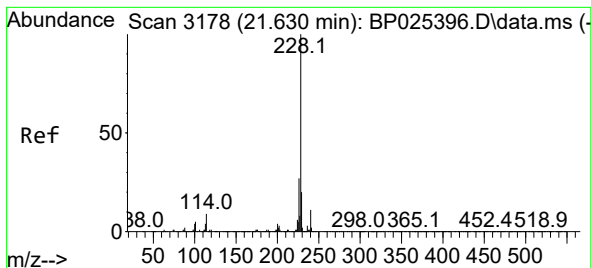
Ion Ratio Lower Upper

149 100

91 65.6 54.2 81.2

206 21.1 16.6 24.8





#81

Benzo(a)anthracene

Concen: 36.950 ng

RT: 21.636 min Scan# 3178

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:228 Resp: 258386

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

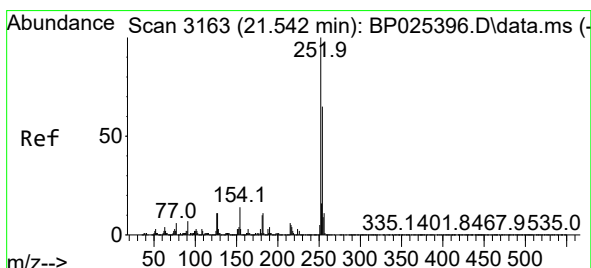
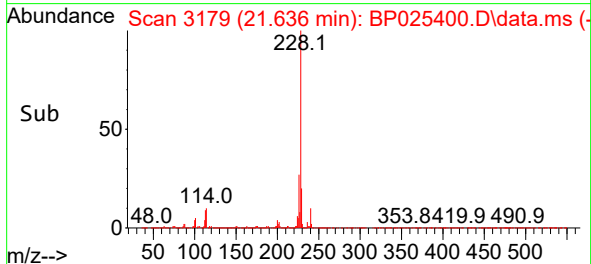
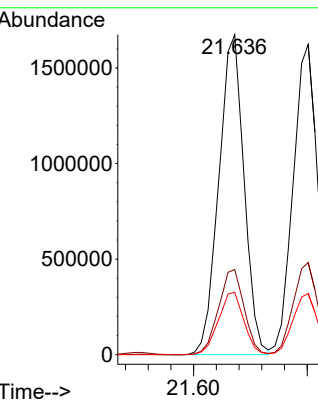
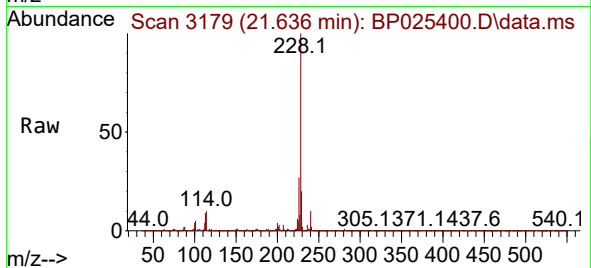
229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 38.038 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

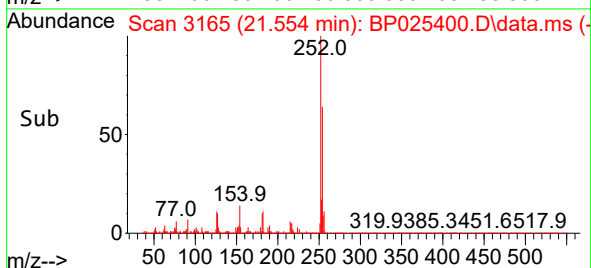
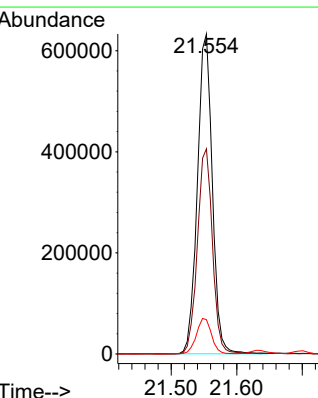
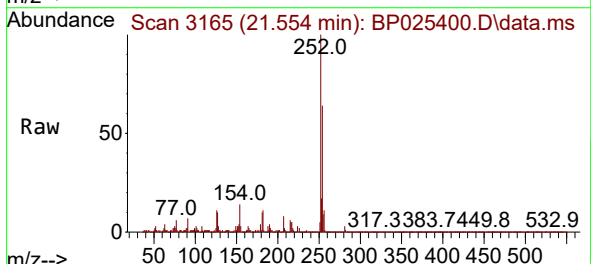
Tgt Ion:252 Resp: 1002597

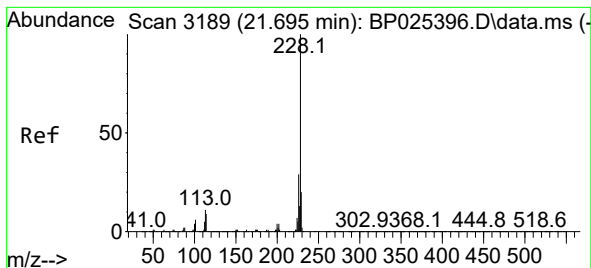
Ion Ratio Lower Upper

252 100

254 64.1 51.8 77.6

126 10.7 9.1 13.7





#83

Chrysene

Concen: 37.353 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:228 Resp: 244619

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

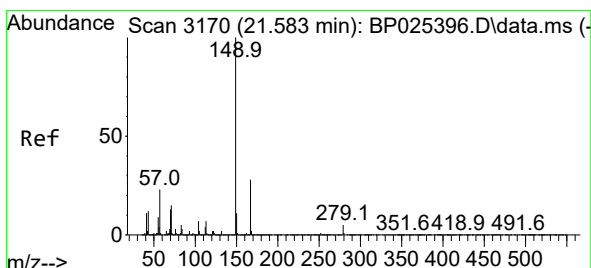
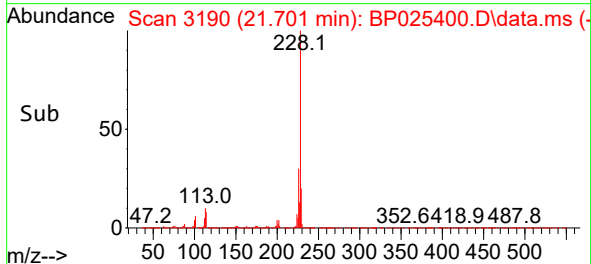
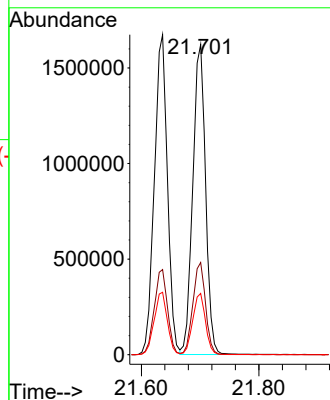
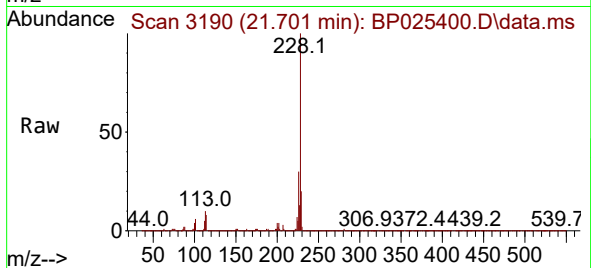
229 19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.729 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

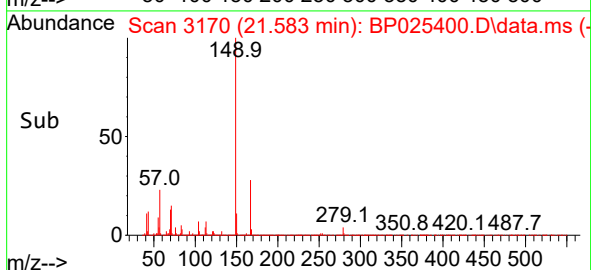
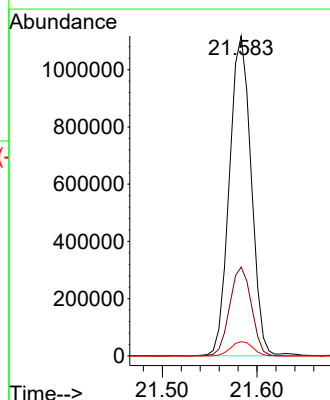
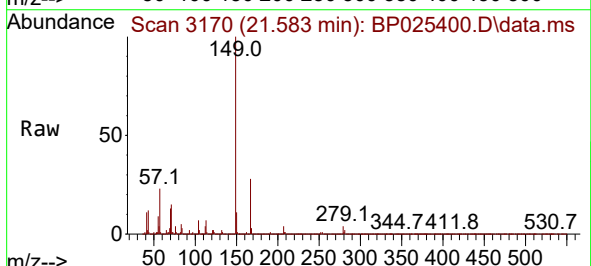
Tgt Ion:149 Resp: 1780746

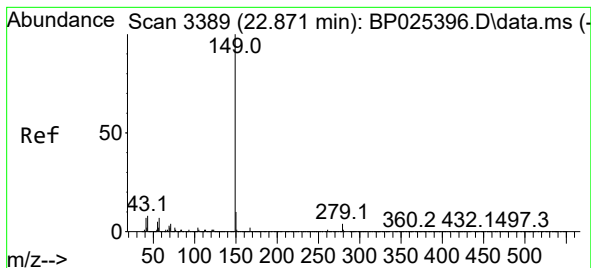
Ion Ratio Lower Upper

149 100

167 27.8 22.1 33.1

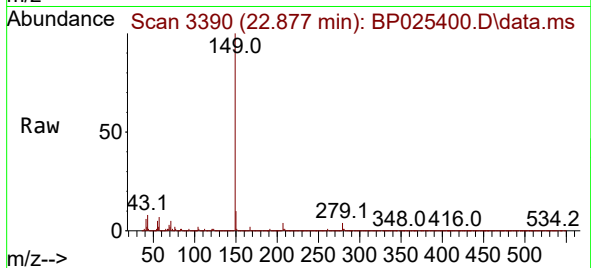
279 4.5 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 37.915 ng
RT: 22.877 min Scan# 3389
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

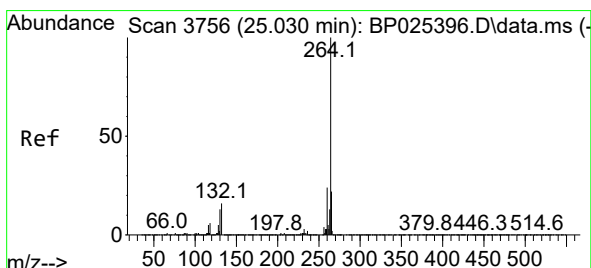
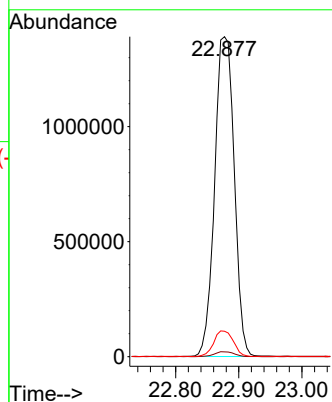
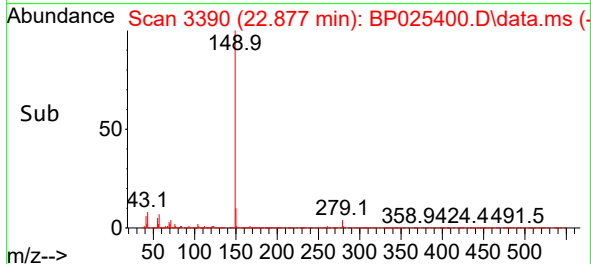
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



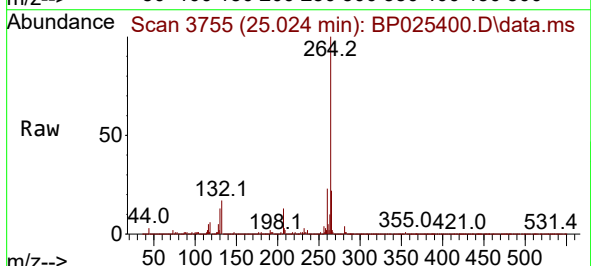
Tgt Ion:149 Resp: 2998528
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.3 9.5

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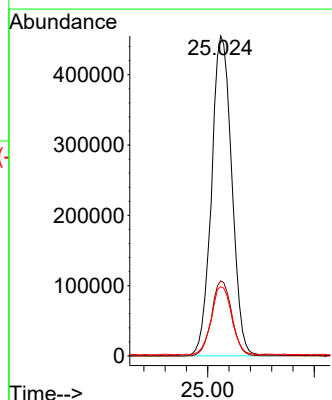
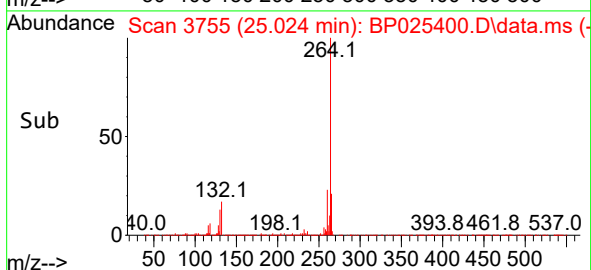
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

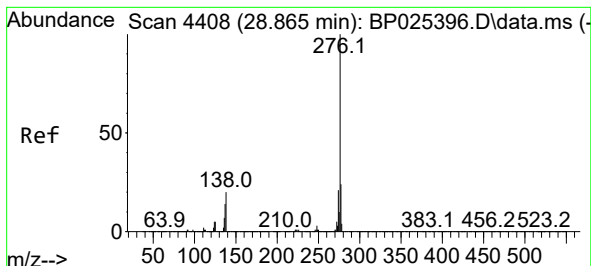


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:264 Resp: 1200519
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 21.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.119 ng

RT: 28.877 min Scan# 4408

Delta R.T. 0.012 min

Lab File: BP025400.D

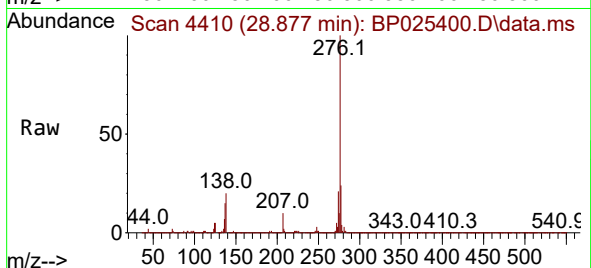
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425



Tgt Ion: 276 Resp: 326796

Ion Ratio Lower Upper

276 100

138 17.0 12.9 19.3

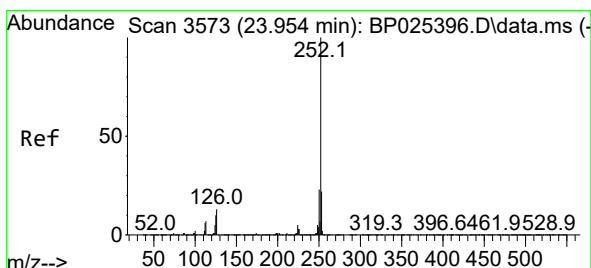
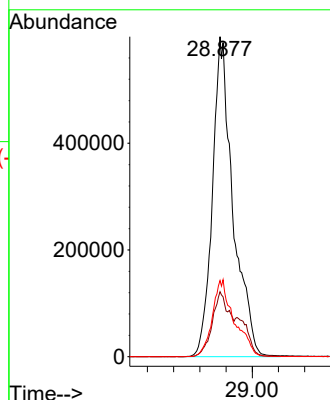
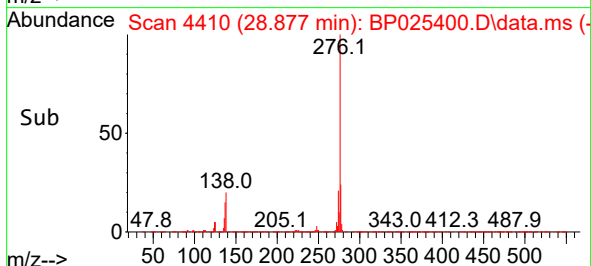
277 25.5 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 36.964 ng

RT: 23.971 min Scan# 3576

Delta R.T. 0.018 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

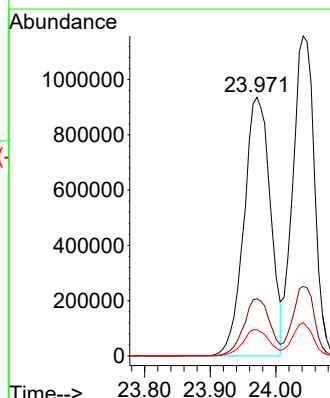
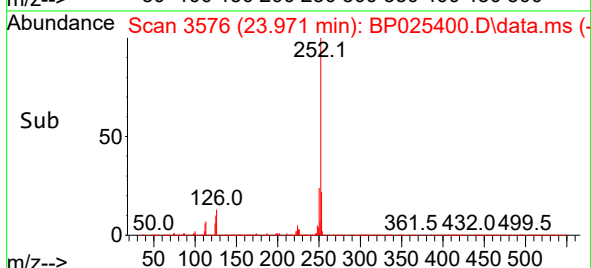
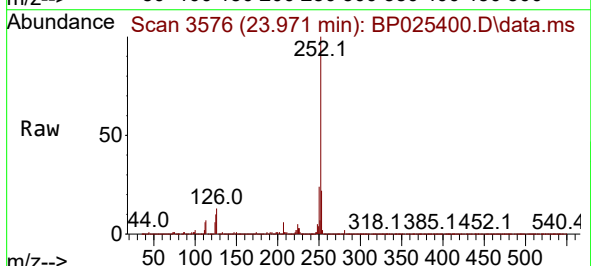
Tgt Ion: 252 Resp: 2616701

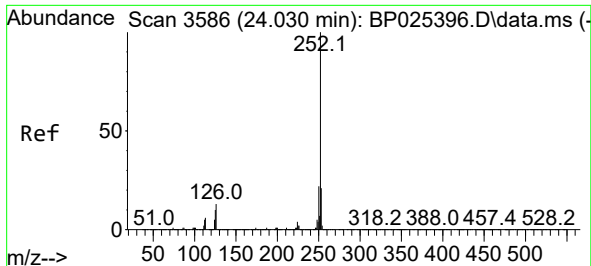
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

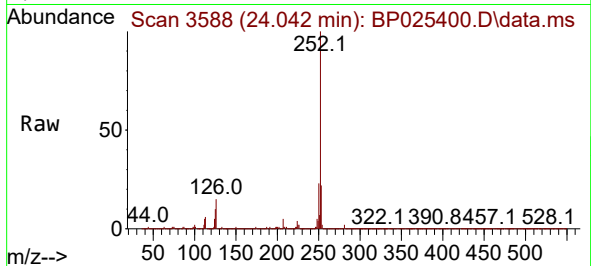
125 10.2 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 37.464 ng
RT: 24.042 min Scan# 3588
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

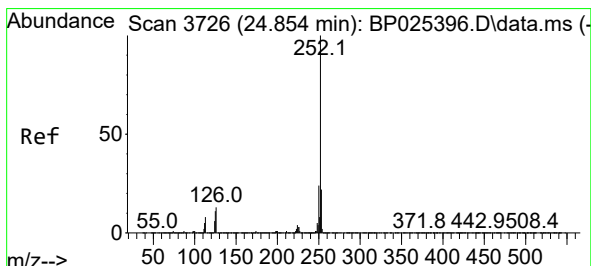
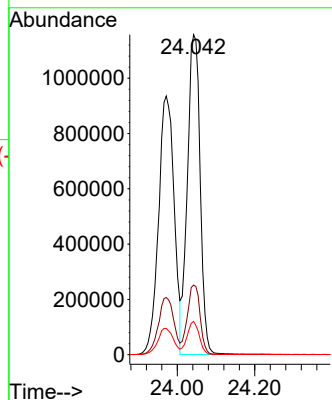
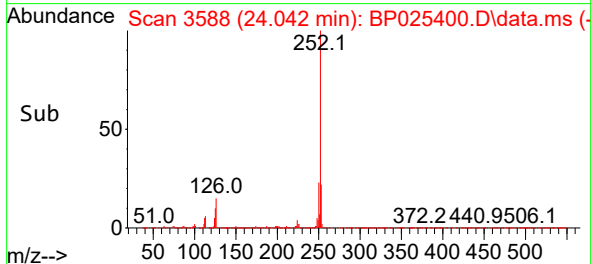
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



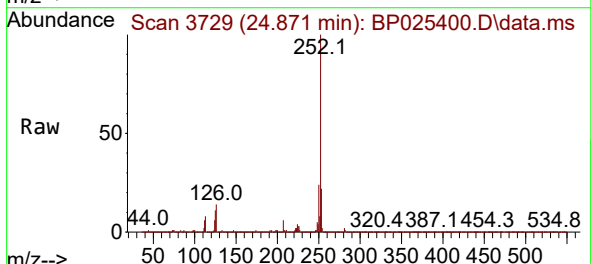
Tgt Ion:252 Resp: 265390
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 10.4 7.8 11.6

Manual Integrations
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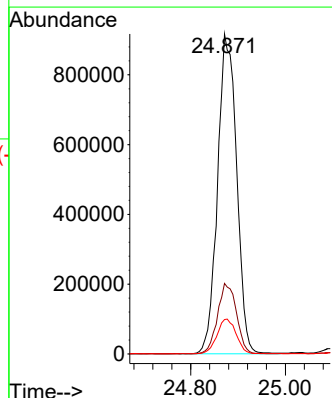
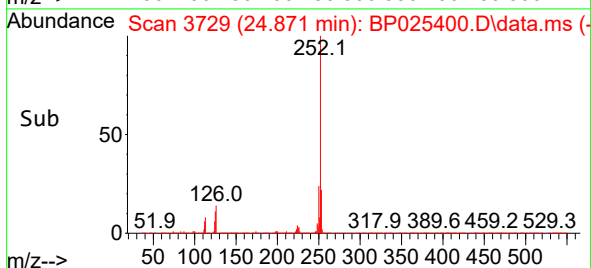
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

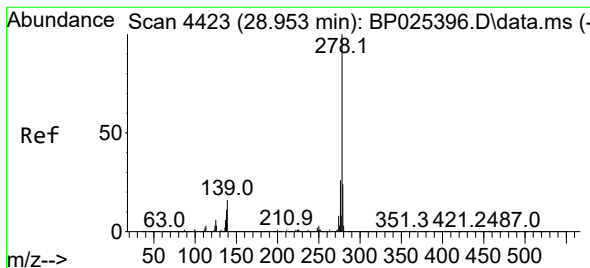


#90
Benzo(a)pyrene
Concen: 37.160 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:252 Resp: 2560692
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.7 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 37.490 ng

RT: 28.948 min Scan# 4423

Delta R.T. -0.006 min

Lab File: BP025400.D

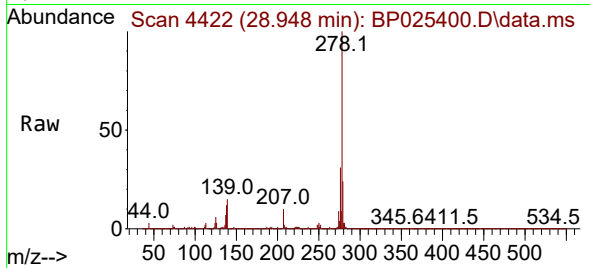
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425



Tgt Ion: 278 Resp: 269733

Ion Ratio Lower Upper

278 100

139 15.4 13.0 19.4

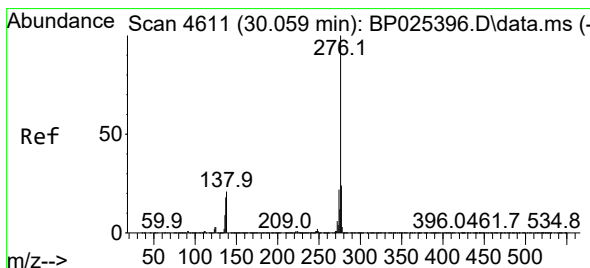
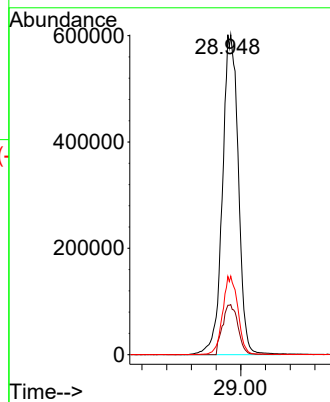
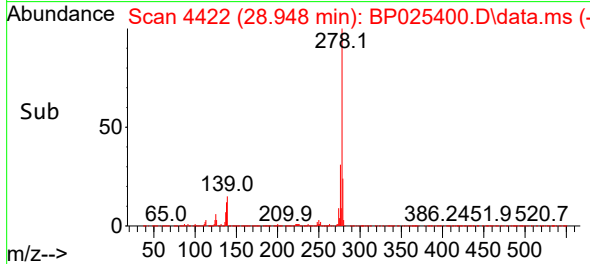
279 24.4 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 37.216 ng

RT: 30.089 min Scan# 4616

Delta R.T. 0.029 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

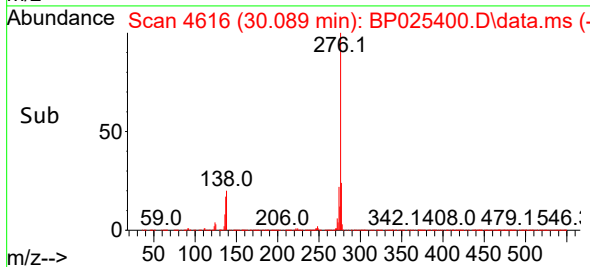
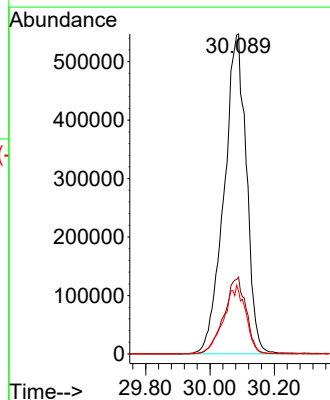
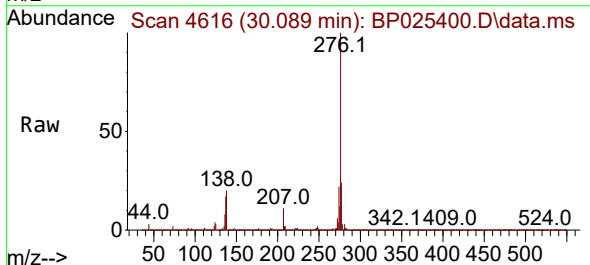
Tgt Ion: 276 Resp: 2632085

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.0

138 19.6 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
2	1,4-Dioxane	0.472	0.399	15.5	99	0.00
3	Pyridine	1.291	1.159	10.2	105	0.00
4	n-Nitrosodimethylamine	0.532	0.507	4.7	109	0.00
5 S	2-Fluorophenol	1.204	1.045	13.2	99	0.00
6	Aniline	2.080	1.984	4.6	108	0.00
7 S	Phenol-d6	1.544	1.383	10.4	101	0.00
8	2-Chlorophenol	1.359	1.308	3.8	110	0.00
9	Benzaldehyde	1.082	0.923	14.7	75	0.00
10 C	Phenol	1.620	1.555	4.0	109	0.00
11	bis(2-Chloroethyl)ether	1.263	1.211	4.1	109	0.00
12	1,3-Dichlorobenzene	1.499	1.414	5.7	108	0.00
13 C	1,4-Dichlorobenzene	1.532	1.451	5.3	109	0.00
14	1,2-Dichlorobenzene	1.483	1.402	5.5	108	0.00
15	Benzyl Alcohol	1.227	1.197	2.4	111	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.619	4.3	110	0.00
17	2-Methylphenol	1.125	1.094	2.8	109	0.00
18	Hexachloroethane	0.563	0.536	4.8	109	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	0.979	4.3	109	0.00
20	3+4-Methylphenols	1.560	1.506	3.5	109	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
22	Acetophenone	0.502	0.479	4.6	112	0.00
23 S	Nitrobenzene-d5	0.395	0.328	17.0	97	0.00
24	Nitrobenzene	0.353	0.330	6.5	108	0.00
25	Isophorone	0.700	0.662	5.4	111	0.00
26 C	2-Nitrophenol	0.181	0.176	2.8	110	0.00
27	2,4-Dimethylphenol	0.312	0.303	2.9	111	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.400	5.4	111	0.00
29 C	2,4-Dichlorophenol	0.310	0.299	3.5	111	0.00
30	1,2,4-Trichlorobenzene	0.340	0.316	7.1	109	0.00
31	Naphthalene	1.040	0.973	6.4	110	0.00
32	Benzoic acid	0.230	0.220	4.3	110	0.01
33	4-Chloroaniline	0.459	0.437	4.8	109	0.00
34 C	Hexachlorobutadiene	0.211	0.196	7.1	108	0.00
35	Caprolactam	0.114	0.109	4.4	112	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.345	2.8	113	0.00
37	2-Methylnaphthalene	0.676	0.640	5.3	111	0.00
38	1-Methylnaphthalene	0.719	0.675	6.1	111	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.547	5.4	111	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.350	-0.3	115	0.00
42 S	2,4,6-Tribromophenol	0.269	0.241	10.4	105	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.380	2.6	113	0.00
44	2,4,5-Trichlorophenol	0.427	0.418	2.1	112	0.00
45 S	2-Fluorobiphenyl	1.463	1.208	17.4	99	0.00
46	1,1'-Biphenyl	1.453	1.368	5.8	111	0.00
47	2-Chloronaphthalene	1.131	1.065	5.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.322	2.1	111	0.00
49	Acenaphthylene	1.871	1.764	5.7	111	0.00
50	Dimethylphthalate	1.465	1.398	4.6	114	0.00
51	2,6-Dinitrotoluene	0.309	0.303	1.9	112	0.00
52 C	Acenaphthene	1.098	1.011	7.9	111	0.00
53	3-Nitroaniline	0.347	0.348	-0.3	116	0.00
54 P	2,4-Dinitrophenol	0.165	0.172	-4.2	120	0.00
55	Dibenzofuran	1.736	1.620	6.7	110	0.00
56 P	4-Nitrophenol	0.285	0.283	0.7	115	0.00
57	2,4-Dinitrotoluene	0.440	0.445	-1.1	116	0.00
58	Fluorene	1.370	1.267	7.5	111	0.01
59	2,3,4,6-Tetrachlorophenol	0.377	0.369	2.1	115	0.00
60	Diethylphthalate	1.488	1.407	5.4	112	0.00
61	4-Chlorophenyl-phenylether	0.681	0.623	8.5	109	0.01
62	4-Nitroaniline	0.356	0.345	3.1	112	0.00
63	Azobenzene	1.274	1.227	3.7	113	0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	117	0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.124	0.8	118	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.568	6.9	112	0.00
67	4-Bromophenyl-phenylether	0.220	0.204	7.3	112	0.00
68	Hexachlorobenzene	0.255	0.236	7.5	114	0.01
69	Atrazine	0.228	0.217	4.8	116	0.00
70 C	Pentachlorophenol	0.161	0.156	3.1	116	0.01
71	Phenanthrene	1.099	1.001	8.9	113	0.01
72	Anthracene	1.122	1.054	6.1	114	0.00
73	Carbazole	1.057	0.981	7.2	114	0.00
74	Di-n-butylphthalate	1.300	1.222	6.0	115	0.02
75 C	Fluoranthene	1.311	1.228	6.3	117	0.02
76 I	Chrysene-d12	1.000	1.000	0.0	118	0.00
77	Benzydine	0.683	0.721	-5.6	88	0.00
78	Pyrene	1.300	1.216	6.5	113	0.01
79 S	Terphenyl-d14	1.093	0.907	17.0	102	0.02
80	Butylbenzylphthalate	0.589	0.566	3.9	115	0.01
81	Benzo(a)anthracene	1.319	1.218	7.7	113	0.00
82	3,3'-Dichlorobenzidine	0.497	0.473	4.8	114	0.01
83	Chrysene	1.235	1.153	6.6	115	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.840	3.1	119	0.00
85 c	Di-n-octyl phthalate	1.492	1.414	5.2	115	0.00
86 I	Perylene-d12	1.000	1.000	0.0	117	0.00
87	Indeno(1,2,3-cd)pyrene	1.467	1.361	7.2	113	0.01
88	Benzo(b)fluoranthene	1.179	1.090	7.5	113	0.02
89	Benzo(k)fluoranthene	1.180	1.105	6.4	115	0.01
90 C	Benzo(a)pyrene	1.148	1.066	7.1	113	0.02
91	Dibenzo(a,h)anthracene	1.199	1.123	6.3	114	0.00
92	Benzo(g,h,i)perylene	1.178	1.096	7.0	113	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
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Instrument :
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Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	110	0.00
2	1,4-Dioxane	40.000	33.792	15.5	99	0.00
3	Pyridine	40.000	35.901	10.2	105	0.00
4	n-Nitrosodimethylamine	40.000	38.115	4.7	109	0.00
5 S	2-Fluorophenol	80.000	69.430	13.2	99	0.00
6	Aniline	40.000	38.147	4.6	108	0.00
7 S	Phenol-d6	80.000	71.663	10.4	101	0.00
8	2-Chlorophenol	40.000	38.501	3.7	110	0.00
9	Benzaldehyde	40.000	34.142	14.6	75	0.00
10 C	Phenol	40.000	38.388	4.0	109	0.00
11	bis(2-Chloroethyl)ether	40.000	38.348	4.1	109	0.00
12	1,3-Dichlorobenzene	40.000	37.738	5.7	108	0.00
13 C	1,4-Dichlorobenzene	40.000	37.890	5.3	109	0.00
14	1,2-Dichlorobenzene	40.000	37.818	5.5	108	0.00
15	Benzyl Alcohol	40.000	39.025	2.4	111	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.271	4.3	110	0.00
17	2-Methylphenol	40.000	38.877	2.8	109	0.00
18	Hexachloroethane	40.000	38.103	4.7	109	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.270	4.3	109	0.00
20	3+4-Methylphenols	40.000	38.620	3.5	109	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	113	0.00
22	Acetophenone	40.000	38.216	4.5	112	0.00
23 S	Nitrobenzene-d5	80.000	66.391	17.0	97	0.00
24	Nitrobenzene	40.000	37.313	6.7	108	0.00
25	Isophorone	40.000	37.855	5.4	111	0.00
26 C	2-Nitrophenol	40.000	38.722	3.2	110	0.00
27	2,4-Dimethylphenol	40.000	38.910	2.7	111	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.816	5.5	111	0.00
29 C	2,4-Dichlorophenol	40.000	38.649	3.4	111	0.00
30	1,2,4-Trichlorobenzene	40.000	37.231	6.9	109	0.00
31	Naphthalene	40.000	37.431	6.4	110	0.00
32	Benzoic acid	40.000	38.242	4.4	110	0.01
33	4-Chloroaniline	40.000	38.043	4.9	109	0.00
34 C	Hexachlorobutadiene	40.000	37.031	7.4	108	0.00
35	Caprolactam	40.000	38.310	4.2	112	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.789	3.0	113	0.00
37	2-Methylnaphthalene	40.000	37.845	5.4	111	0.00
38	1-Methylnaphthalene	40.000	37.539	6.2	111	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.895	5.3	111	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.074	-0.2	115	0.00
42 S	2,4,6-Tribromophenol	80.000	71.582	10.5	105	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.972	2.6	113	0.00
44	2,4,5-Trichlorophenol	40.000	39.108	2.2	112	0.00
45 S	2-Fluorobiphenyl	80.000	66.016	17.5	99	0.00
46	1,1'-Biphenyl	40.000	37.672	5.8	111	0.00
47	2-Chloronaphthalene	40.000	37.682	5.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	39.081	2.3	111	0.00
49	Acenaphthylene	40.000	37.720	5.7	111	0.00
50	Dimethylphthalate	40.000	38.170	4.6	114	0.00
51	2,6-Dinitrotoluene	40.000	39.211	2.0	112	0.00
52 C	Acenaphthene	40.000	36.837	7.9	111	0.00
53	3-Nitroaniline	40.000	40.027	-0.1	116	0.00
54 P	2,4-Dinitrophenol	40.000	41.646	-4.1	120	0.00
55	Dibenzofuran	40.000	37.324	6.7	110	0.00
56 P	4-Nitrophenol	40.000	39.630	0.9	115	0.00
57	2,4-Dinitrotoluene	40.000	40.439	-1.1	116	0.00
58	Fluorene	40.000	36.992	7.5	111	0.01
59	2,3,4,6-Tetrachlorophenol	40.000	39.147	2.1	115	0.00
60	Diethylphthalate	40.000	37.810	5.5	112	0.00
61	4-Chlorophenyl-phenylether	40.000	36.596	8.5	109	0.01
62	4-Nitroaniline	40.000	38.717	3.2	112	0.00
63	Azobenzene	40.000	38.526	3.7	113	0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	117	0.01
65	4,6-Dinitro-2-methylphenol	40.000	39.721	0.7	118	0.00
66 c	n-Nitrosodiphenylamine	40.000	37.227	6.9	112	0.00
67	4-Bromophenyl-phenylether	40.000	37.101	7.2	112	0.00
68	Hexachlorobenzene	40.000	37.062	7.3	114	0.01
69	Atrazine	40.000	38.057	4.9	116	0.00
70 C	Pentachlorophenol	40.000	38.733	3.2	116	0.01
71	Phenanthrene	40.000	36.445	8.9	113	0.01
72	Anthracene	40.000	37.563	6.1	114	0.00
73	Carbazole	40.000	37.116	7.2	114	0.00
74	Di-n-butylphthalate	40.000	37.602	6.0	115	0.02
75 C	Fluoranthene	40.000	37.481	6.3	117	0.02
76 I	Chrysene-d12	20.000	20.000	0.0	118	0.00
77	Benzydine	40.000	42.271	-5.7	88	0.00
78	Pyrene	40.000	37.404	6.5	113	0.01
79 S	Terphenyl-d14	80.000	66.399	17.0	102	0.02
80	Butylbenzylphthalate	40.000	38.401	4.0	115	0.01
81	Benzo(a)anthracene	40.000	36.950	7.6	113	0.00
82	3,3'-Dichlorobenzidine	40.000	38.038	4.9	114	0.01
83	Chrysene	40.000	37.353	6.6	115	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.729	3.2	119	0.00
85 c	Di-n-octyl phthalate	40.000	37.915	5.2	115	0.00
86 I	Perylene-d12	20.000	20.000	0.0	117	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	37.119	7.2	113	0.01
88	Benzo(b)fluoranthene	40.000	36.964	7.6	113	0.02
89	Benzo(k)fluoranthene	40.000	37.464	6.3	115	0.01
90 C	Benzo(a)pyrene	40.000	37.160	7.1	113	0.02
91	Dibenzo(a,h)anthracene	40.000	37.490	6.3	114	0.00
92	Benzo(g,h,i)perylene	40.000	37.216	7.0	113	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/14/2025 12:55</u>
Lab File ID:	<u>BF143377.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:03 12:38</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	1.082		-6.5	
Benzaldehyde	0.980	0.816		-16.7	
Phenol-d6	1.483	1.334		-10.0	
Phenol	1.757	1.596		-9.2	20.0
bis(2-Chloroethyl)ether	1.295	1.166		-10.0	
2-Chlorophenol	1.236	1.180		-4.5	
2-Methylphenol	1.043	0.949		-9.0	
2,2-oxybis(1-Chloropropane)	2.312	2.091		-9.6	
Acetophenone	0.441	0.392		-11.1	
3+4-Methylphenols	1.262	1.160		-8.1	
n-Nitroso-di-n-propylamine	0.916	0.800	0.050	-12.7	
Nitrobenzene-d5	0.321	0.317		-1.2	
Hexachloroethane	0.449	0.440		-2.0	
Nitrobenzene	0.349	0.332		-4.9	
Isophorone	0.656	0.580		-11.6	
2-Nitrophenol	0.118	0.153		29.7	20.0
2,4-Dimethylphenol	0.274	0.261		-4.7	
bis(2-Chloroethoxy)methane	0.400	0.364		-9.0	
2,4-Dichlorophenol	0.267	0.259		-3.0	20.0
Naphthalene	0.962	0.877		-8.8	
4-Chloroaniline	0.347	0.315		-9.2	
Hexachlorobutadiene	0.175	0.167		-4.6	20.0
Caprolactam	0.075	0.070		-6.7	
4-Chloro-3-methylphenol	0.280	0.260		-7.1	20.0
2-Methylnaphthalene	0.633	0.574		-9.3	
Hexachlorocyclopentadiene	0.158	0.217	0.050	37.3	
2,4,6-Trichlorophenol	0.311	0.317		1.9	20.0
2-Fluorobiphenyl	1.179	1.078		-8.6	
2,4,5-Trichlorophenol	0.351	0.345		-1.7	
1,1-Biphenyl	1.414	1.284		-9.2	
2-Chloronaphthalene	1.114	1.016		-8.8	
2-Nitroaniline	0.284	0.307		8.1	
Dimethylphthalate	1.169	1.069		-8.6	
Acenaphthylene	1.608	1.452		-9.7	
2,6-Dinitrotoluene	0.193	0.216		11.9	
3-Nitroaniline	0.239	0.244		2.1	
Acenaphthene	1.069	0.959		-10.3	20.0
2,4-Dinitrophenol	0.065	0.067	0.050	3.1	
4-Nitrophenol	0.163	0.141	0.050	-13.5	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/14/2025 12:55</u>
Lab File ID:	<u>BF143377.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:03 12:38</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18 (mm)</u>

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.389		-9.7	
2,4-Dinitrotoluene	0.256	0.288		12.5	
Diethylphthalate	1.047	0.969		-7.4	
4-Chlorophenyl-phenylether	0.568	0.517		-9.0	
Fluorene	1.175	1.047		-10.9	
4-Nitroaniline	0.232	0.219		-5.6	
4,6-Dinitro-2-methylphenol	0.069	0.086		24.6	
n-Nitrosodiphenylamine	0.659	0.616		-6.5	20.0
2,4,6-Tribromophenol	0.146	0.152		4.1	
4-Bromophenyl-phenylether	0.229	0.220		-3.9	
Hexachlorobenzene	0.247	0.231		-6.5	
Atrazine	0.172	0.167		-2.9	
Pentachlorophenol	0.101	0.093		-7.9	20.0
Phenanthrene	1.091	0.999		-8.4	
Anthracene	1.107	1.018		-8.0	
Carbazole	0.942	0.831		-11.8	
Di-n-butylphthalate	0.798	0.837		4.9	
Fluoranthene	0.956	0.859		-10.1	20.0
Pyrene	1.678	1.471		-12.3	
Terphenyl-d14	1.120	1.027		-8.3	
Butylbenzylphthalate	0.284	0.414		45.8	
3,3-Dichlorobenzidine	0.343	0.346		0.9	
Benzo (a) anthracene	1.271	1.203		-5.3	
Chrysene	1.185	1.039		-12.3	
Bis (2-ethylhexyl) phthalate	0.403	0.614		52.4	
Di-n-octyl phthalate	0.860	1.154		34.2	20.0
Benzo (b) fluoranthene	1.094	1.010		-7.7	
Benzo (k) fluoranthene	1.063	0.930		-12.5	
Benzo (a) pyrene	1.030	0.950		-7.8	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.416		-1.2	
Dibenzo (a,h) anthracene	1.145	1.135		-0.9	
Benzo (g,h,i) perylene	1.153	1.143		-0.9	
1,2,4,5-Tetrachlorobenzene	0.547	0.518		-5.3	
1,4-Dioxane	0.598	0.534		-10.7	20.0
2,3,4,6-Tetrachlorophenol	0.236	0.250		5.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143377.D
 Acq On : 14 Aug 2025 12:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 14 13:16:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	143032	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	542236	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	283411	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	404824	20.000	ng	0.00
76) Chrysene-d12	14.098	240	239234	20.000	ng	0.00
86) Perylene-d12	15.592	264	289673	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	619218	74.863	ng	0.00
7) Phenol-d6	6.563	99	763071	71.941	ng	0.00
23) Nitrobenzene-d5	7.492	82	688096	79.025	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	172272	83.174	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1221958	73.114	ng	0.00
79) Terphenyl-d14	13.039	244	982722	73.338	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	152653	35.666	ng	98
3) Pyridine	3.522	79	412638	36.179	ng	99
4) n-Nitrosodimethylamine	3.451	42	187367	35.267	ng	98
6) Aniline	6.598	93	530102	35.450	ng	97
8) 2-Chlorophenol	6.722	128	337460	38.182	ng	98
9) Benzaldehyde	6.487	77	233521	33.310	ng	98
10) Phenol	6.581	94	456448	36.326	ng	98
11) bis(2-Chloroethyl)ether	6.663	93	333589	36.022	ng	99
12) 1,3-Dichlorobenzene	6.881	146	368645	36.162	ng	98
13) 1,4-Dichlorobenzene	6.951	146	368057	35.973	ng	99
14) 1,2-Dichlorobenzene	7.104	146	353914	36.440	ng	99
15) Benzyl Alcohol	7.075	79	283480	37.284	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.204	45	598078	36.174	ng	98
17) 2-Methylphenol	7.187	107	271579	36.403	ng	100
18) Hexachloroethane	7.451	117	125788	39.214	ng	95
19) n-Nitroso-di-n-propyla...	7.339	70	228789	34.908	ng	98
20) 3+4-Methylphenols	7.339	107	331798	36.775	ng	97
22) Acetophenone	7.339	105	425087	35.580	ng	98
24) Nitrobenzene	7.510	77	359814	38.049	ng	98
25) Isophorone	7.751	82	628488	35.357	ng	99
26) 2-Nitrophenol	7.828	139	165535	44.009	ng	100
27) 2,4-Dimethylphenol	7.863	122	282954m	38.155	ng	
28) bis(2-Chloroethoxy)met...	7.957	93	395236	36.418	ng	100
29) 2,4-Dichlorophenol	8.075	162	280574	38.736	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	286115	37.448	ng	99
31) Naphthalene	8.239	128	950950	36.447	ng	100
32) Benzoic acid	7.975	122	133895	43.135	ng	99
33) 4-Chloroaniline	8.281	127	341490	36.287	ng	99
34) Hexachlorobutadiene	8.357	225	181385	38.164	ng	99
35) Caprolactam	8.639	113	76059	37.353	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	282403	37.191	ng	99
37) 2-Methylnaphthalene	8.928	142	622239	36.276	ng	99
38) 1-Methylnaphthalene	9.028	142	599818	36.308	ng	99
40) 1,2,4,5-Tetrachloroben...	9.098	216	293706	37.871	ng	99
41) Hexachlorocyclopentadiene	9.086	237	122851	47.813	ng	99
43) 2,4,6-Trichlorophenol	9.210	196	179680	40.834	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143377.D
 Acq On : 14 Aug 2025 12:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

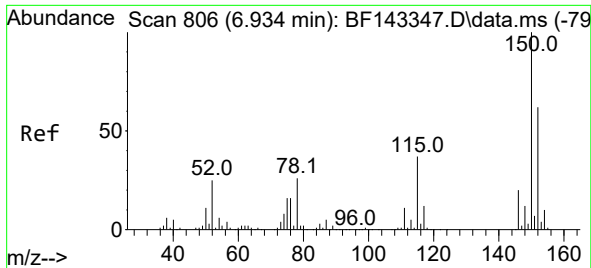
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

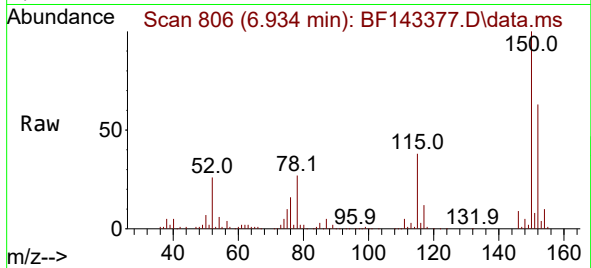
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	195288	39.301	ng	98
46) 1,1'-Biphenyl	9.392	154	727640	36.312	ng	100
47) 2-Chloronaphthalene	9.416	162	575800	36.485	ng	99
48) 2-Nitroaniline	9.510	65	174216	38.835	ng	98
49) Acenaphthylene	9.833	152	822757	36.100	ng	99
50) Dimethylphthalate	9.681	163	605945	36.590	ng	100
51) 2,6-Dinitrotoluene	9.745	165	122638	39.683	ng	97
52) Acenaphthene	10.004	154	543801	35.890	ng	99
53) 3-Nitroaniline	9.916	138	138234	40.760	ng	98
54) 2,4-Dinitrophenol	10.028	184	37998	39.881	ng	90
55) Dibenzofuran	10.175	168	787502	36.113	ng	99
56) 4-Nitrophenol	10.080	139	80105	33.008	ng	96
57) 2,4-Dinitrotoluene	10.151	165	163031	39.758	ng	92
58) Fluorene	10.522	166	593649	35.641	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.298	232	141719	42.309	ng	97
60) Diethylphthalate	10.386	149	549288	37.031	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	293085	36.416	ng	99
62) 4-Nitroaniline	10.528	138	124208	37.855	ng	99
63) Azobenzene	10.669	77	600012	35.414	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	69944	43.506	ng	95
66) n-Nitrosodiphenylamine	10.627	169	498392	37.389	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	178131	38.474	ng	99
68) Hexachlorobenzene	11.075	284	186624	37.395	ng	99
69) Atrazine	11.151	200	135519	38.979	ng	100
70) Pentachlorophenol	11.269	266	75453	34.523	ng	94
71) Phenanthrene	11.480	178	808775	36.618	ng	100
72) Anthracene	11.533	178	823989	36.786	ng	99
73) Carbazole	11.686	167	672887	35.273	ng	99
74) Di-n-butylphthalate	12.016	149	677330	41.959	ng	100
75) Fluoranthene	12.674	202	695831	35.965	ng	98
77) Benzidine	12.786	184	257151	39.317	ng	98
78) Pyrene	12.904	202	703812	35.069	ng	100
80) Butylbenzylphthalate	13.510	149	198206	49.838	ng	98
81) Benzo(a)anthracene	14.086	228	575793	37.867	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	165667	40.349	ng	99
83) Chrysene	14.127	228	496975	35.052	ng	100
84) Bis(2-ethylhexyl)phtha...	14.074	149	293859	50.177	ng	98
85) Di-n-octyl phthalate	14.686	149	552169	47.599	ng	97
87) Indeno(1,2,3-cd)pyrene	17.121	276	820270	39.525	ng	99
88) Benzo(b)fluoranthene	15.151	252	585035	36.925	ng	99
89) Benzo(k)fluoranthene	15.180	252	538537	34.980	ng	100
90) Benzo(a)pyrene	15.533	252	550144	36.867	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	657670	39.667	ng	99
92) Benzo(g,h,i)perylene	17.586	276	662349	39.657	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

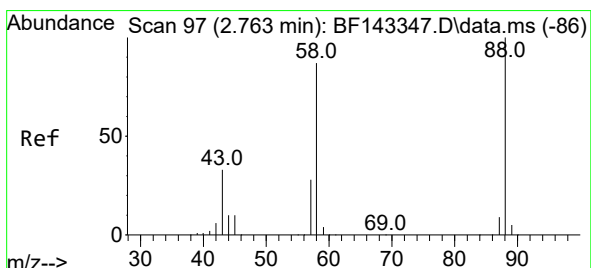
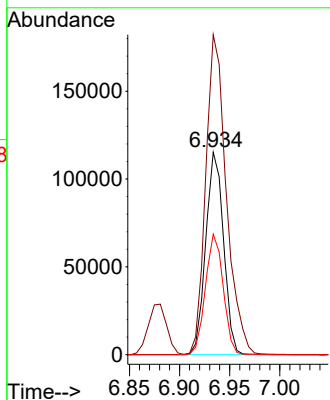
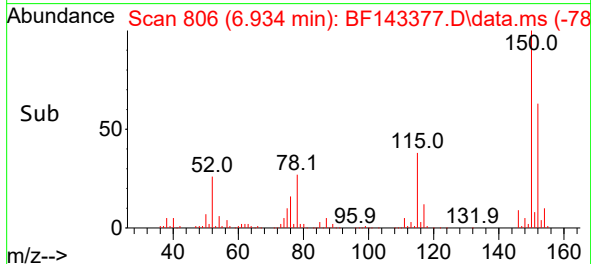
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



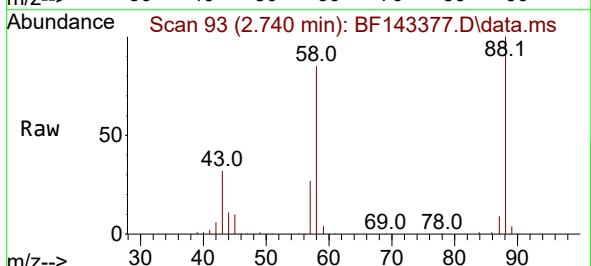
Tgt Ion:152 Resp: 143032
Ion Ratio Lower Upper
152 100
150 158.0 129.8 194.8
115 59.5 47.8 71.8

Manual Integrations
APPROVED

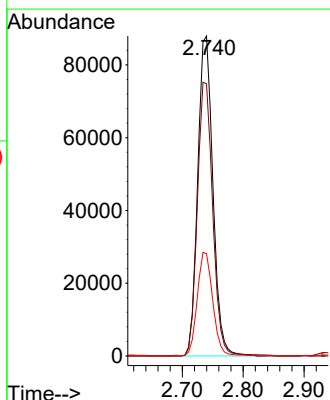
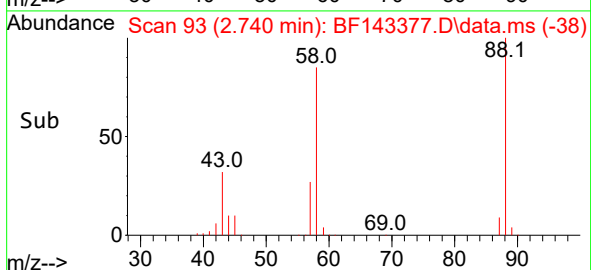
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

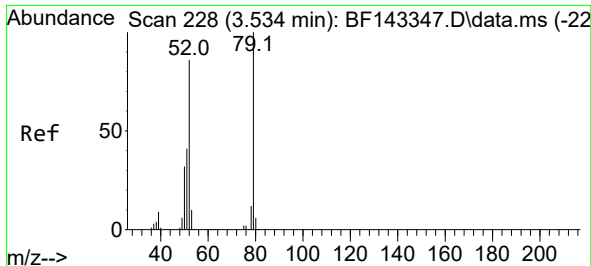


#2
1,4-Dioxane
Concen: 35.666 ng
RT: 2.740 min Scan# 93
Delta R.T. -0.024 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion: 88 Resp: 152653
Ion Ratio Lower Upper
88 100
58 86.1 71.0 106.6
43 33.1 27.0 40.6





#3

Pyridine

Concen: 36.179 ng

RT: 3.522 min Scan# 214

Delta R.T. -0.012 min

Lab File: BF143377.D

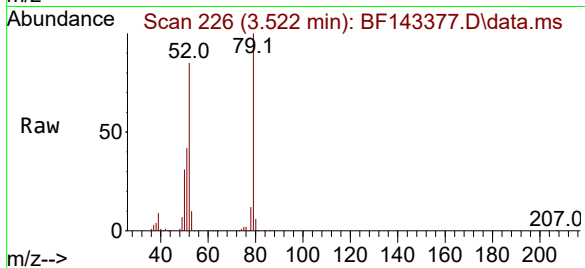
Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 79 Resp: 412638

Ion Ratio Lower Upper

79 100

52 85.0 68.7 103.1

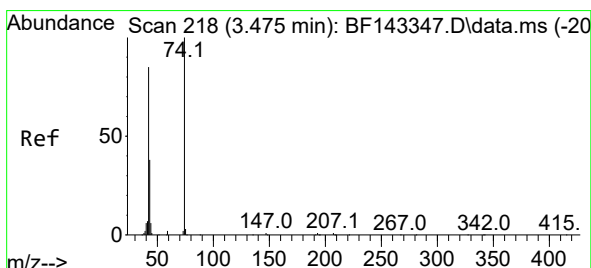
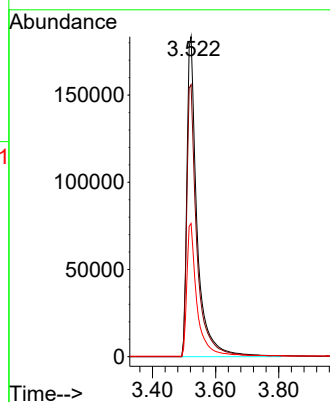
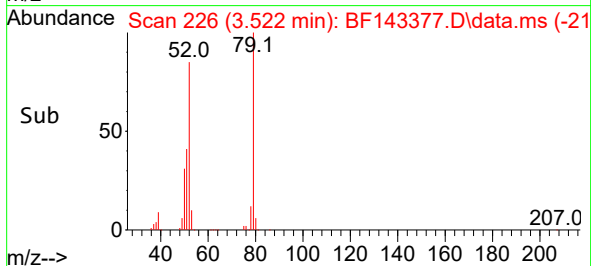
51 41.6 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#4

n-Nitrosodimethylamine

Concen: 35.267 ng

RT: 3.451 min Scan# 214

Delta R.T. -0.024 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

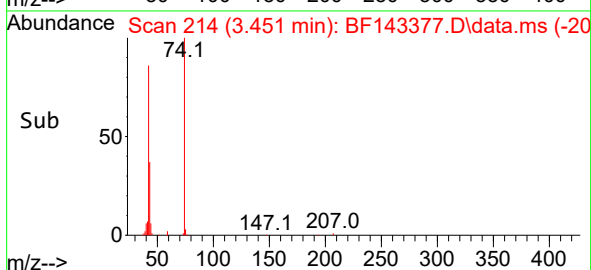
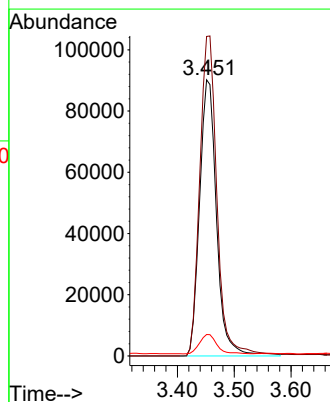
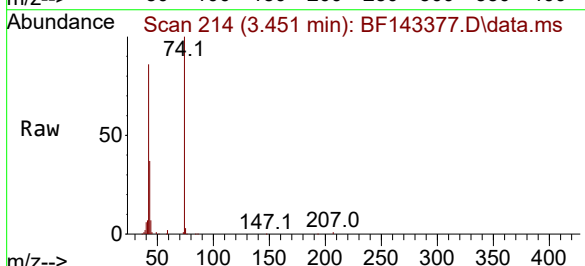
Tgt Ion: 42 Resp: 187367

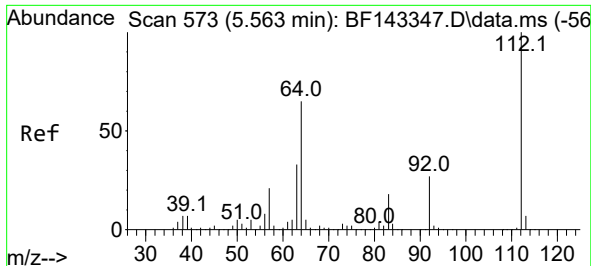
Ion Ratio Lower Upper

42 100

74 115.7 94.1 141.1

44 7.8 6.5 9.7





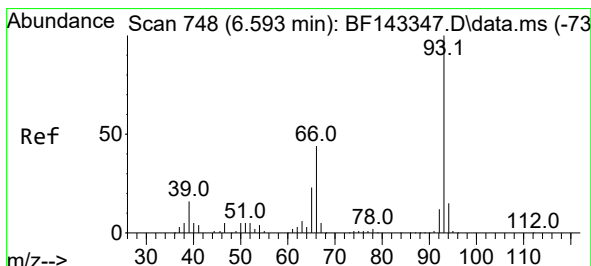
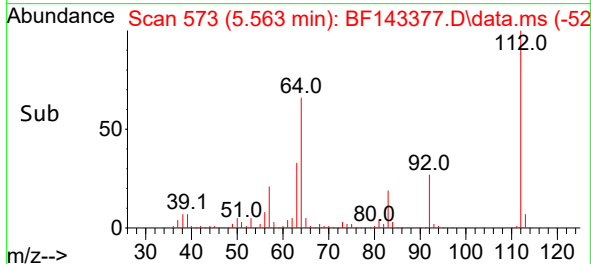
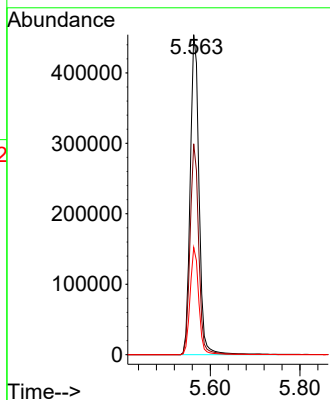
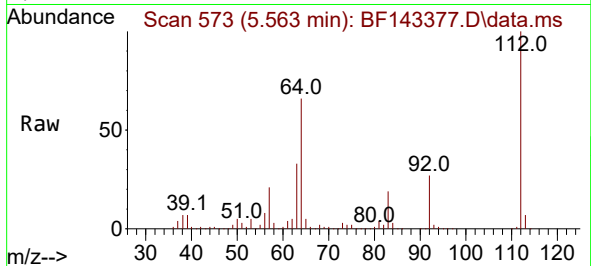
#5
2-Fluorophenol
Concen: 74.863 ng
RT: 5.563 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 619218
Ion Ratio Lower Upper
112 100
64 65.9 52.1 78.1
63 33.5 26.6 39.8

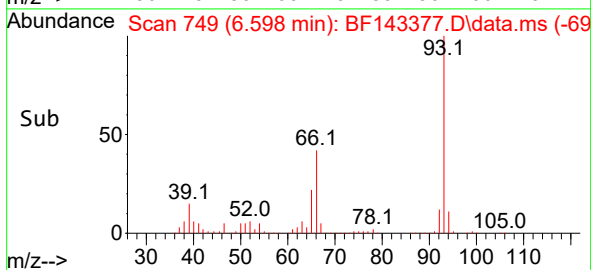
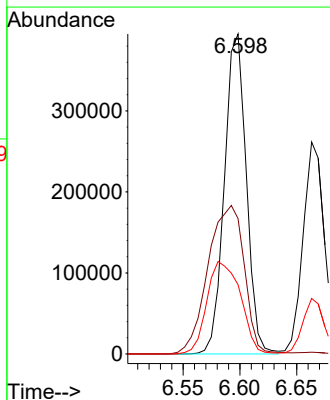
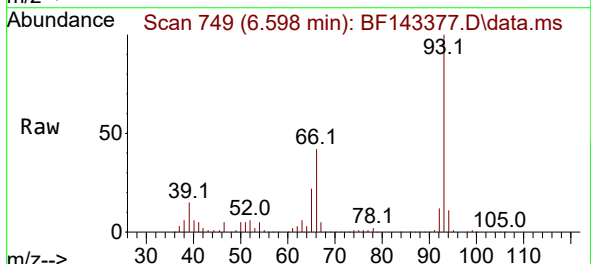
Manual Integrations
APPROVED

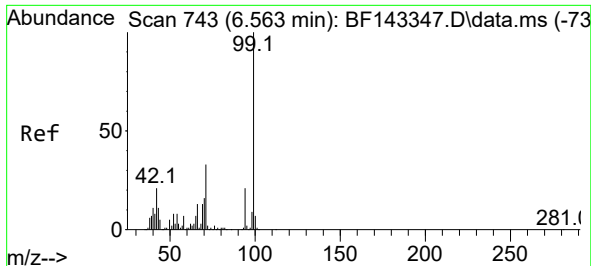
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 35.450 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

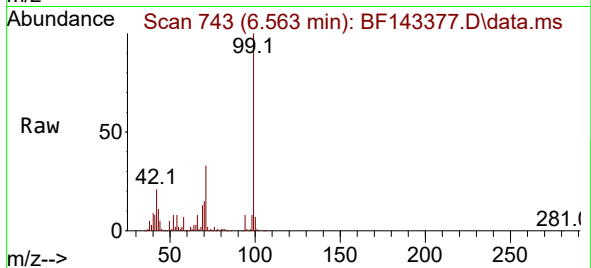
Tgt Ion: 93 Resp: 530102
Ion Ratio Lower Upper
93 100
66 42.3 35.3 52.9
65 21.6 18.2 27.4





#7
Phenol-d6
Concen: 71.941 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

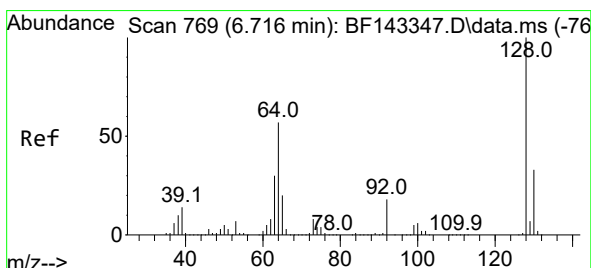
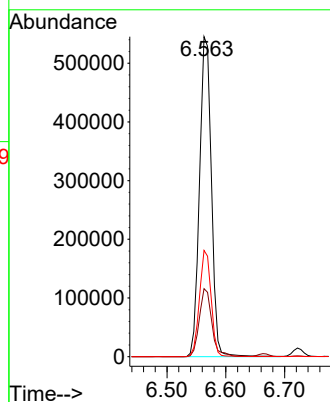
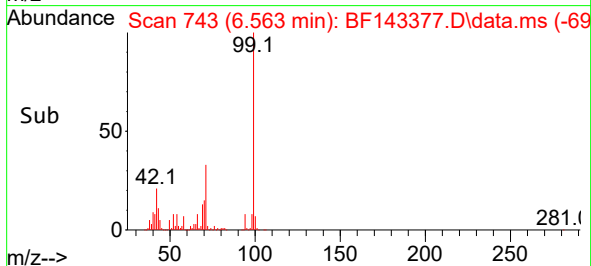
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



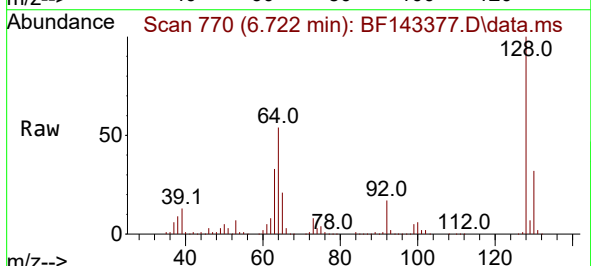
Tgt Ion: 99 Resp: 76307
Ion Ratio Lower Upper
99 100
42 21.2 16.6 25.0
71 33.2 26.2 39.2

Manual Integrations
APPROVED

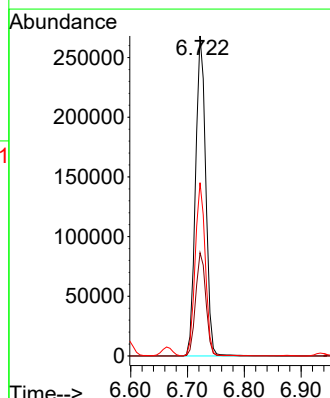
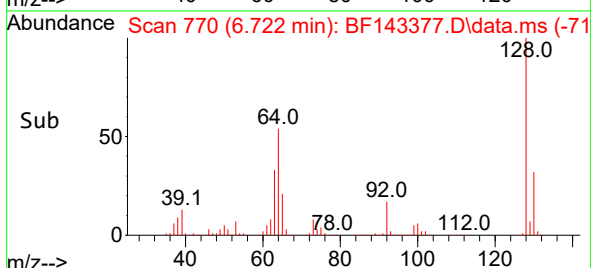
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

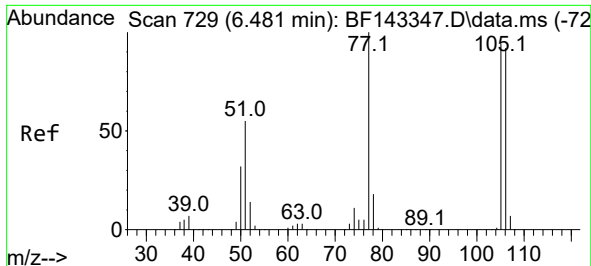


#8
2-Chlorophenol
Concen: 38.182 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



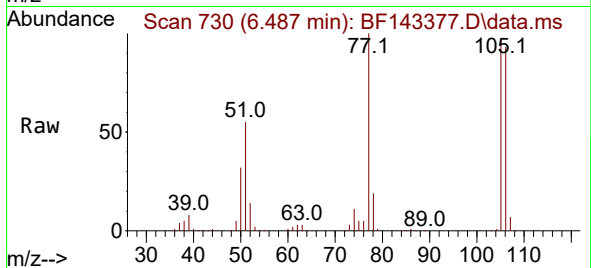
Tgt Ion:128 Resp: 337460
Ion Ratio Lower Upper
128 100
130 32.2 12.6 52.6
64 54.2 36.7 76.7





#9
Benzaldehyde
Concen: 33.310 ng
RT: 6.487 min Scan# 710
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

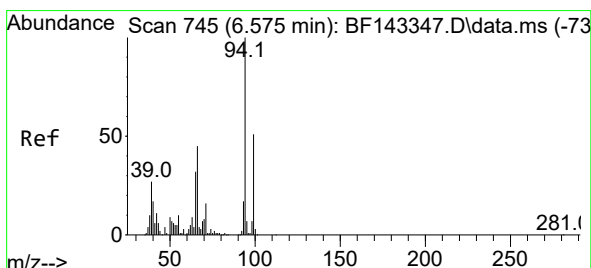
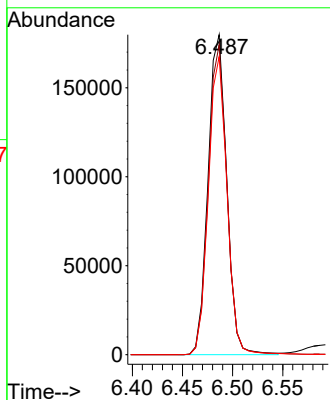
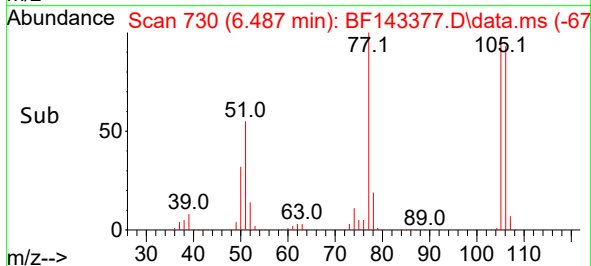
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



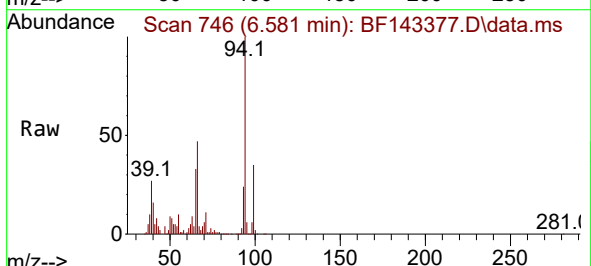
Tgt Ion: 77 Resp: 23352
Ion Ratio Lower Upper
77 100
105 96.8 74.2 114.2
106 93.2 72.2 112.2

Manual Integrations
APPROVED

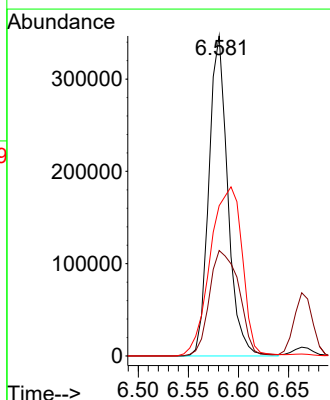
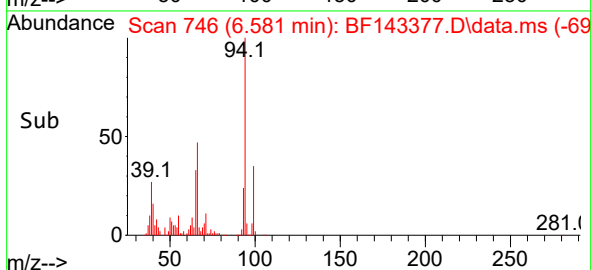
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

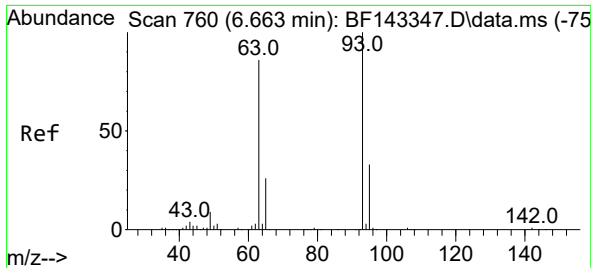


#10
Phenol
Concen: 36.326 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion: 94 Resp: 456448
Ion Ratio Lower Upper
94 100
65 32.9 12.0 52.0
66 47.0 25.6 65.6





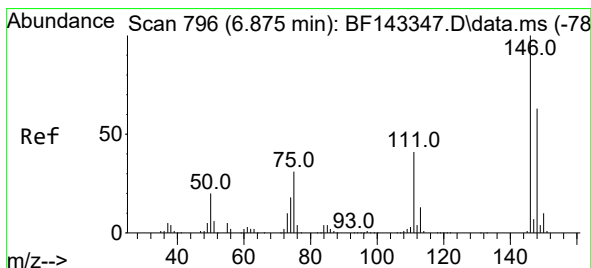
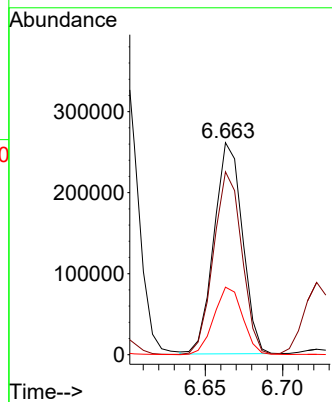
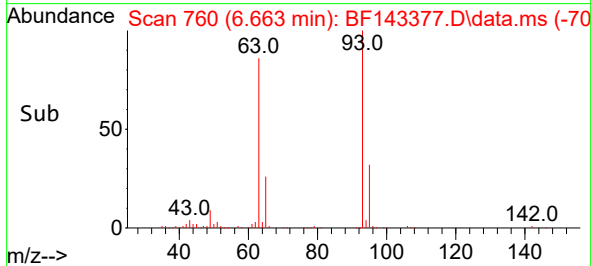
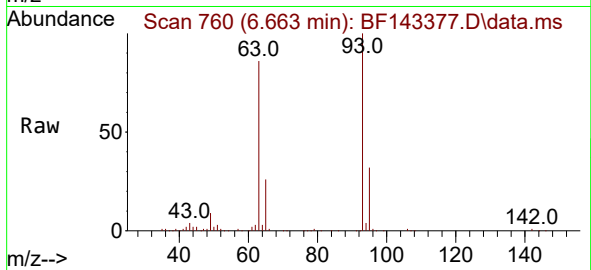
#11
bis(2-Chloroethyl)ether
Concen: 36.022 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 333589
Ion Ratio Lower Upper
93 100
63 86.3 65.7 105.7
95 31.9 13.0 53.0

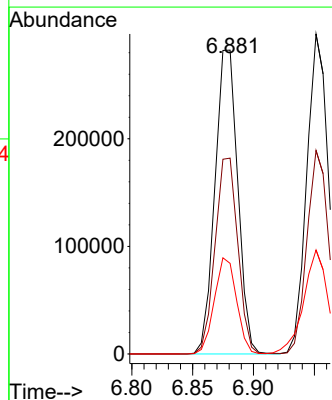
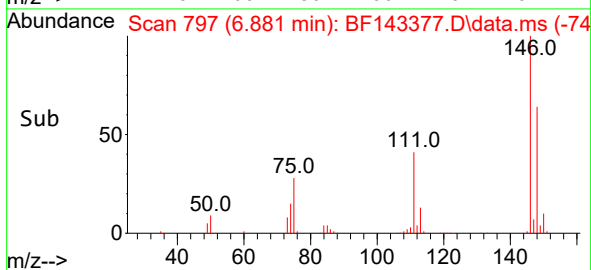
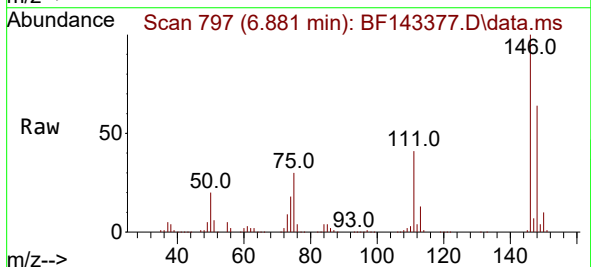
Manual Integrations
APPROVED

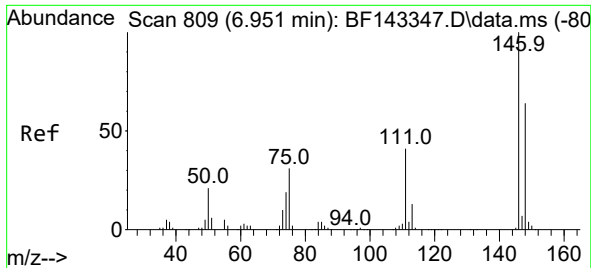
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#12
1,3-Dichlorobenzene
Concen: 36.162 ng
RT: 6.881 min Scan# 797
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

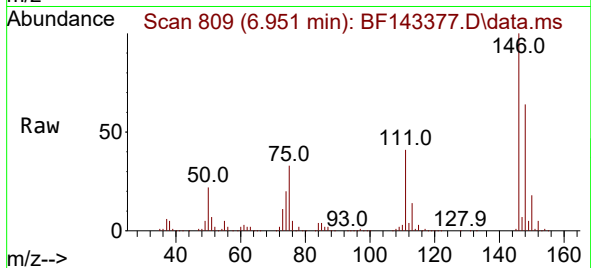
Tgt Ion:146 Resp: 368645
Ion Ratio Lower Upper
146 100
148 64.5 50.5 75.7
75 29.8 24.9 37.3





#13
1,4-Dichlorobenzene
Concen: 35.973 ng
RT: 6.951 min Scan# 809
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

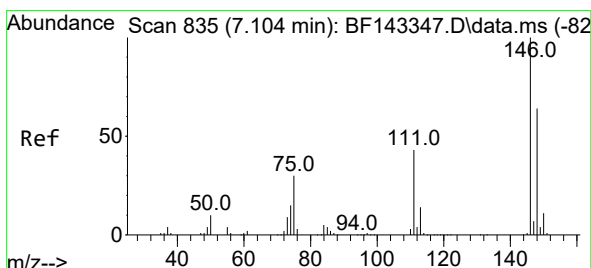
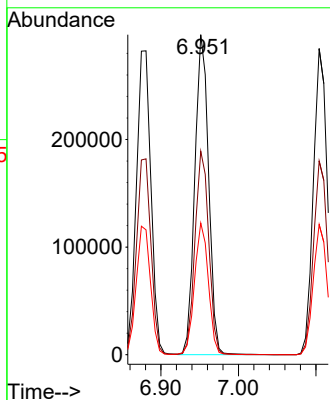
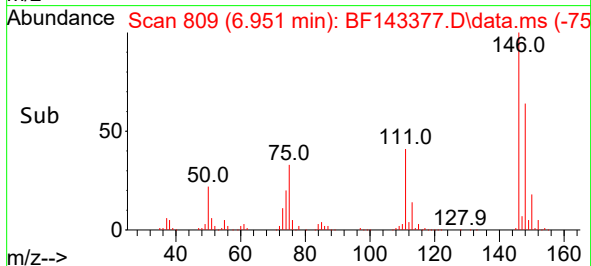
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



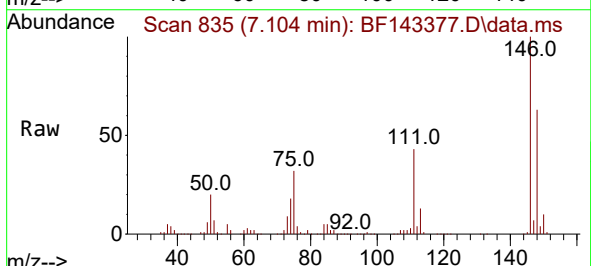
Tgt Ion:146 Resp: 36805
Ion Ratio Lower Upper
146 100
148 63.6 51.4 77.0
111 41.2 32.6 48.8

Manual Integrations
APPROVED

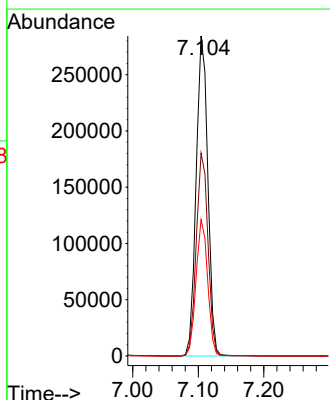
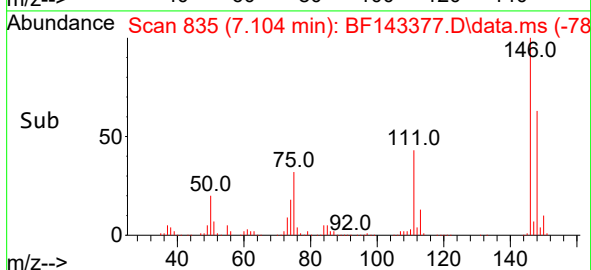
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

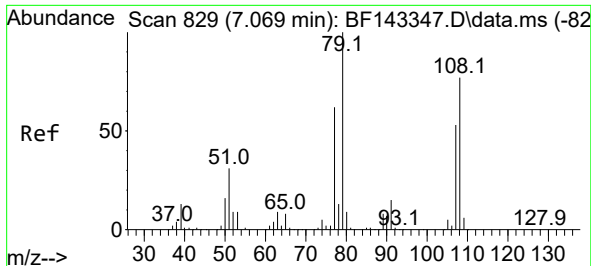


#14
1,2-Dichlorobenzene
Concen: 36.440 ng
RT: 7.104 min Scan# 835
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



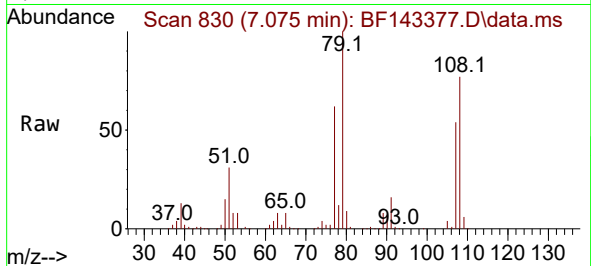
Tgt Ion:146 Resp: 353914
Ion Ratio Lower Upper
146 100
148 63.3 51.4 77.2
111 42.6 34.1 51.1





#15
Benzyl Alcohol
Concen: 37.284 ng
RT: 7.075 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

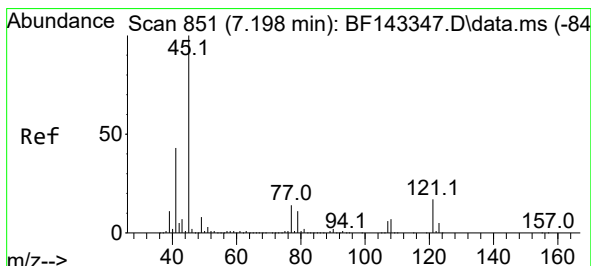
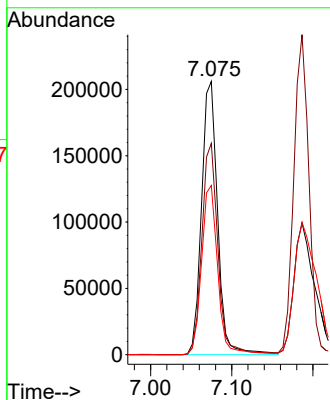
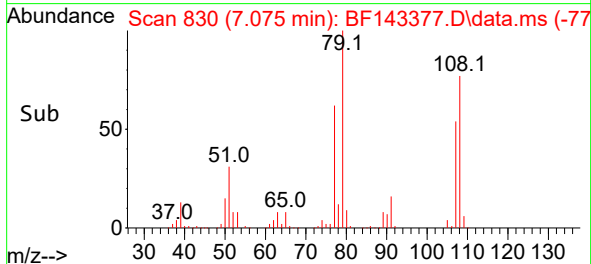
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



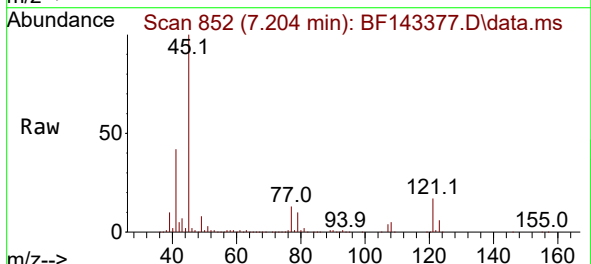
Tgt Ion: 79 Resp: 283480
Ion Ratio Lower Upper
79 100
108 77.3 61.5 92.3
77 62.0 49.8 74.8

Manual Integrations
APPROVED

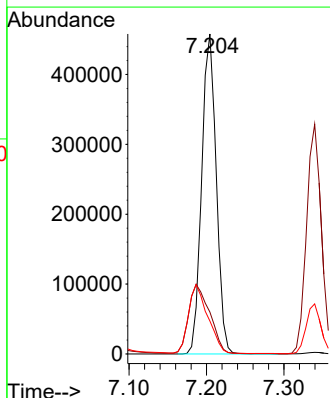
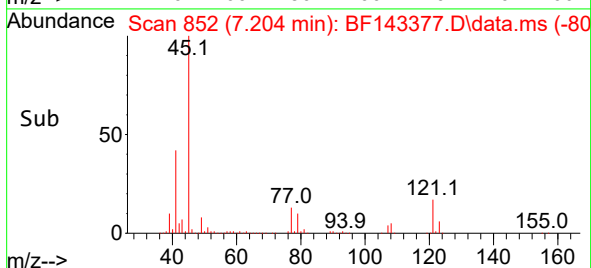
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

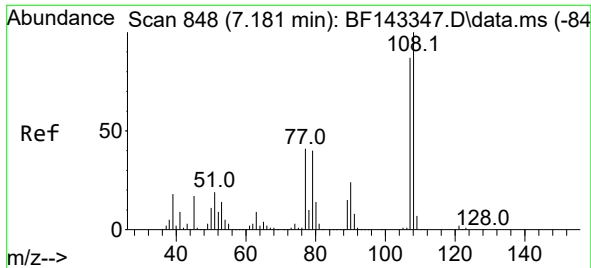


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.174 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



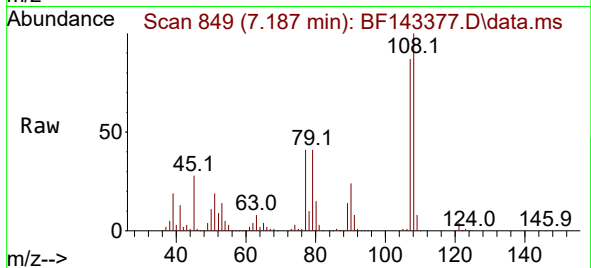
Tgt Ion: 45 Resp: 598078
Ion Ratio Lower Upper
45 100
77 13.1 0.0 34.0
79 10.3 0.0 31.1





#17
2-Methylphenol
Concen: 36.403 ng
RT: 7.187 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

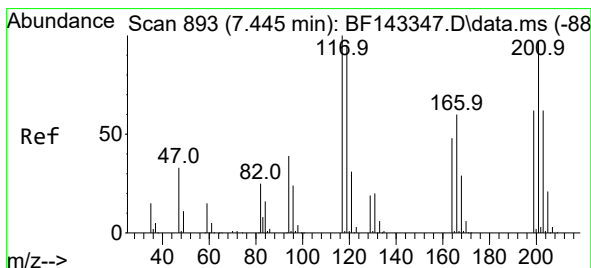
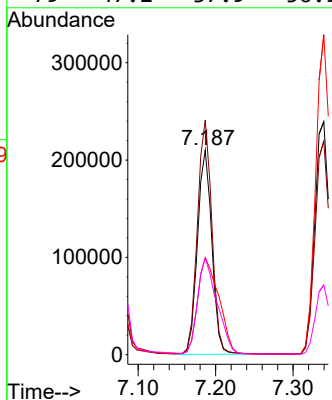
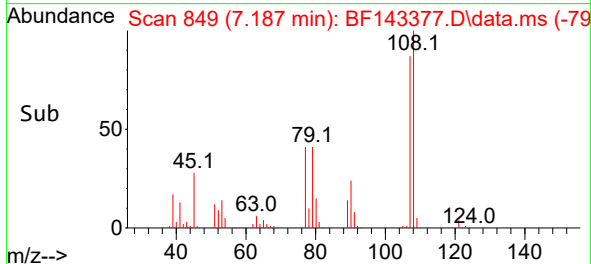
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 271579
Ion Ratio Lower Upper
107 100
108 114.8 92.0 138.0
77 47.5 38.2 57.2
79 47.2 37.9 56.9

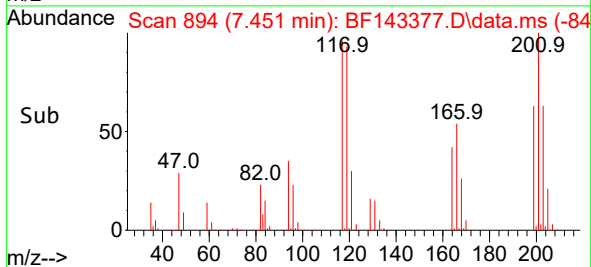
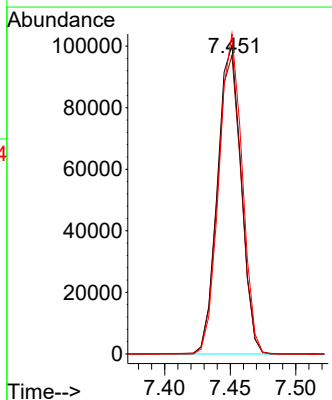
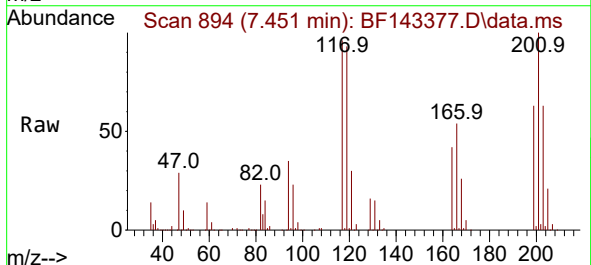
Manual Integrations
APPROVED

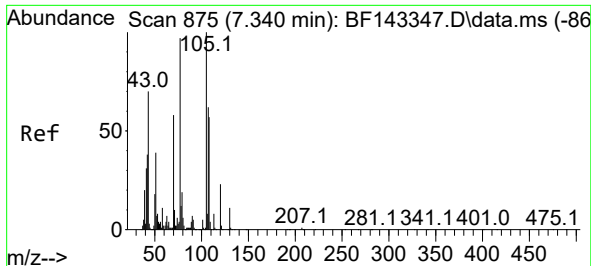
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#18
Hexachloroethane
Concen: 39.214 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

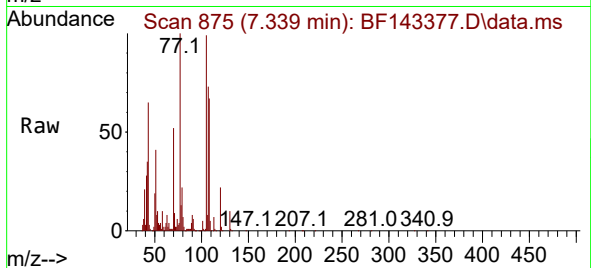
Tgt Ion:117 Resp: 125788
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.8
201 103.7 77.2 115.8





#19
n-Nitroso-di-n-propylamine
Concen: 34.908 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

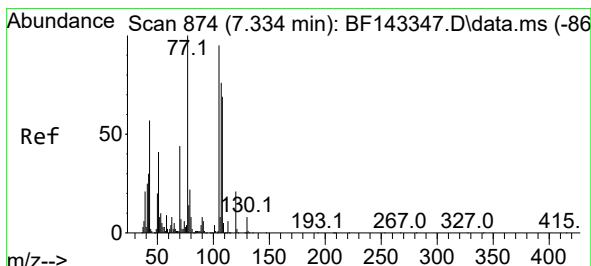
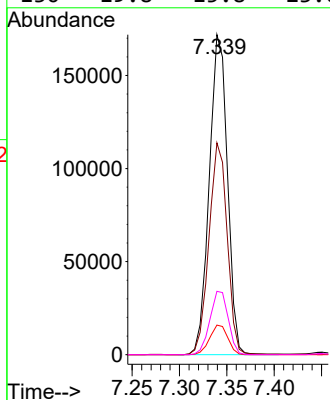
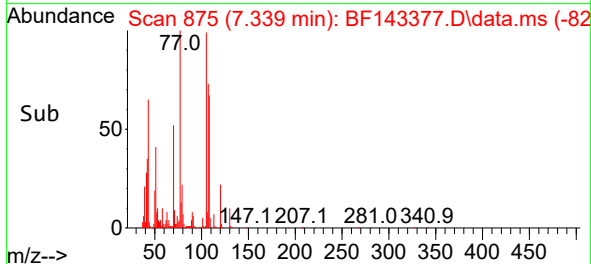
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



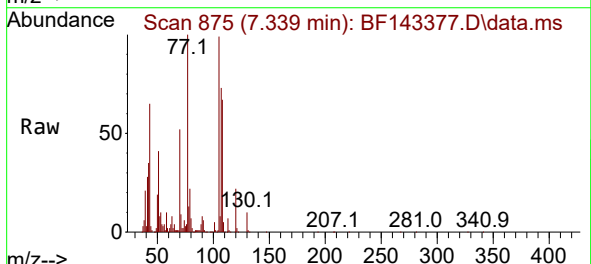
Tgt Ion:	70	Resp:	228789
Ion Ratio	Lower	Upper	
70	100		
42	66.2	51.6	77.4
101	9.2	7.5	11.3
130	19.8	15.8	23.6

Manual Integrations
APPROVED

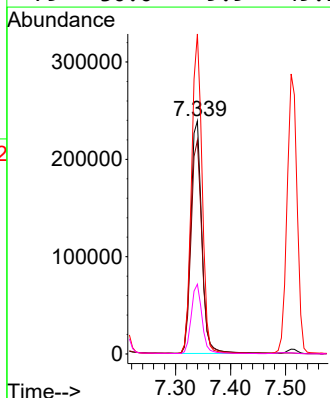
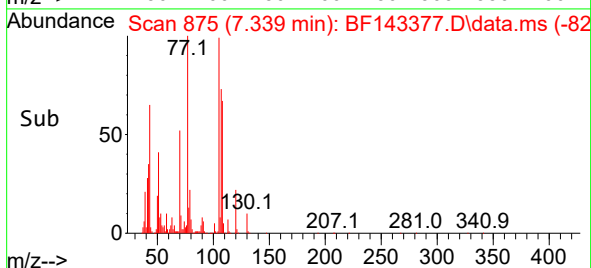
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

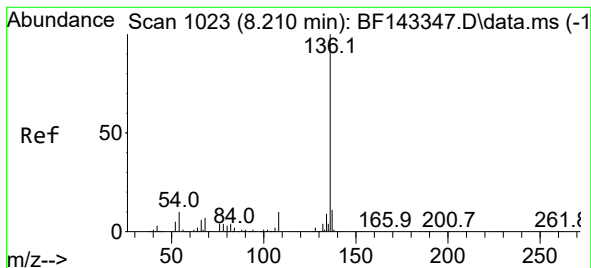


#20
3+4-Methylphenols
Concen: 36.775 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



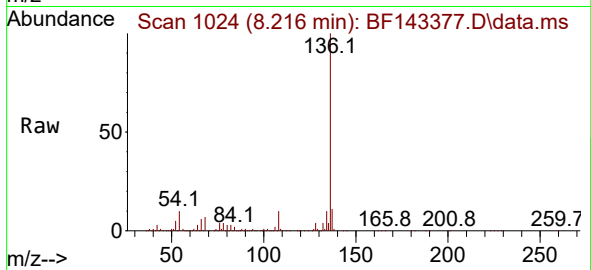
Tgt Ion:	107	Resp:	331798
Ion Ratio	Lower	Upper	
107	100		
108	91.7	70.6	110.6
77	137.4	112.0	152.0
79	30.0	9.9	49.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

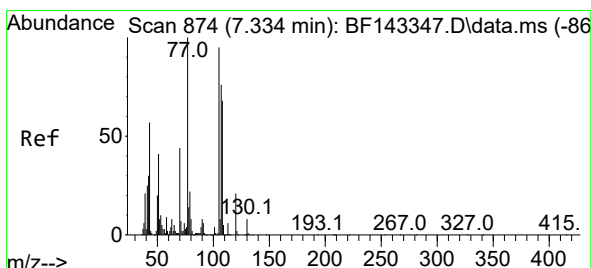
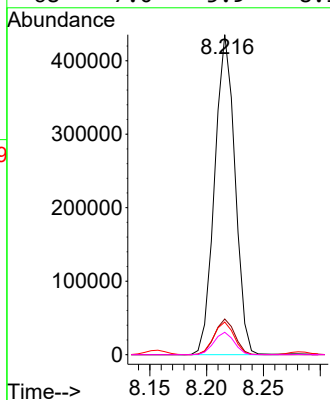
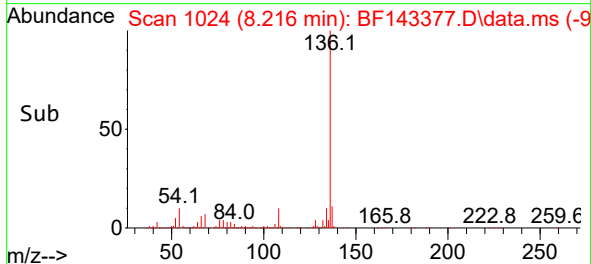
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



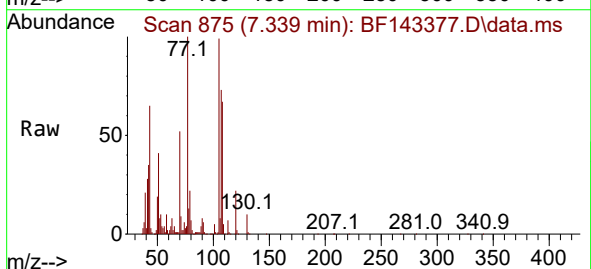
Tgt Ion:136 Resp: 542230
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.2 8.4 12.6
68 7.0 5.9 8.9

Manual Integrations
APPROVED

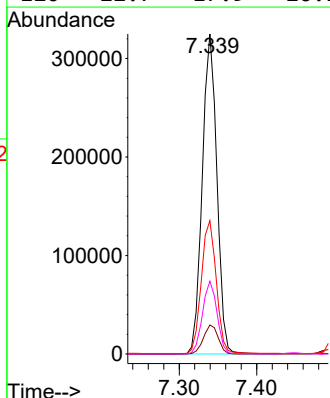
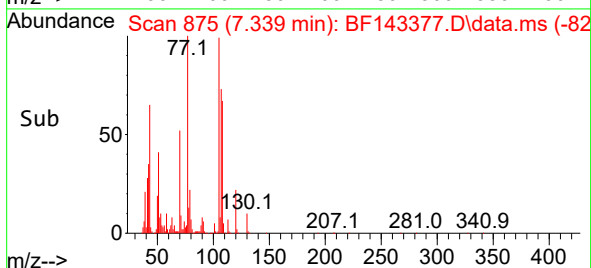
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

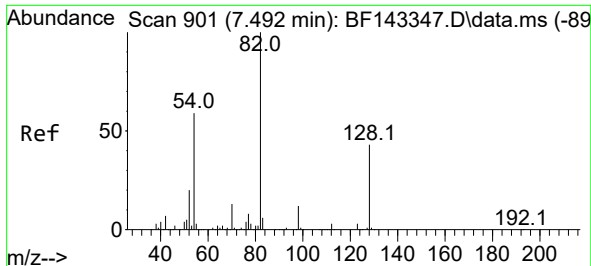


#22
Acetophenone
Concen: 35.580 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion:105 Resp: 425087
Ion Ratio Lower Upper
105 100
71 9.1 6.2 9.4
51 41.7 34.8 52.2
120 22.7 17.9 26.9





#23
Nitrobenzene-d5
Concen: 79.025 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

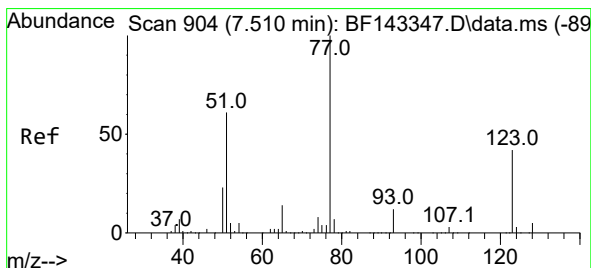
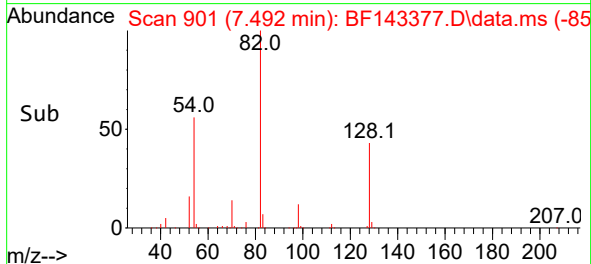
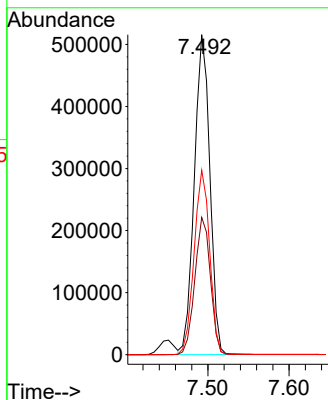
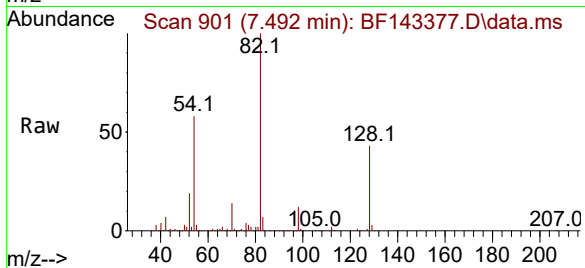
ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 688090
Ion Ratio Lower Upper
82 100
128 42.9 33.5 50.3
54 57.6 46.7 70.1

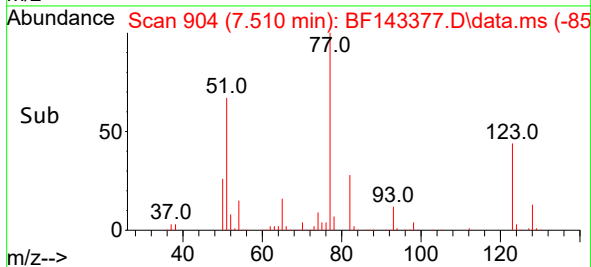
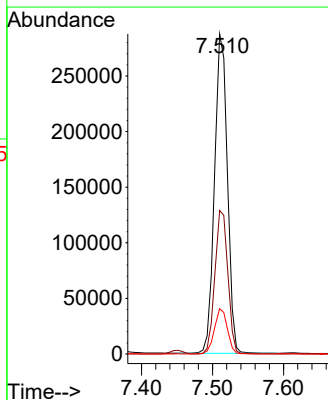
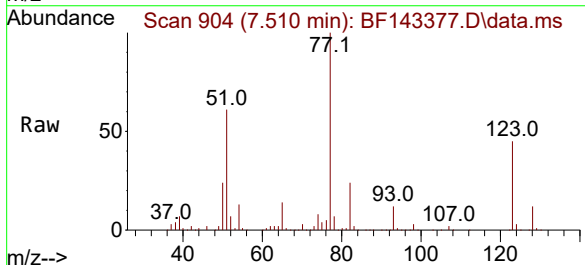
Manual Integrations
APPROVED

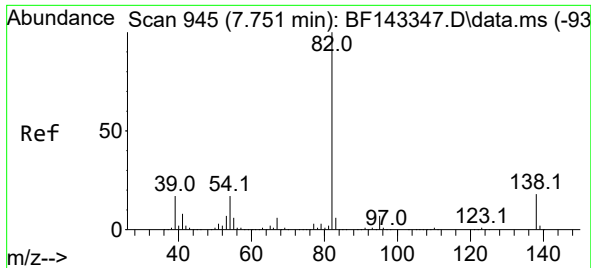
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#24
Nitrobenzene
Concen: 38.049 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

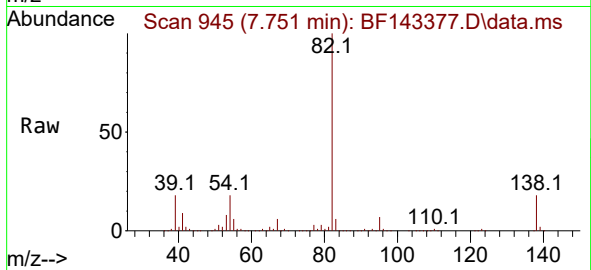
Tgt Ion: 77 Resp: 359814
Ion Ratio Lower Upper
77 100
123 44.8 34.8 52.2
65 14.2 11.0 16.6





#25
Isophorone
Concen: 35.357 ng
RT: 7.751 min Scan# 945
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

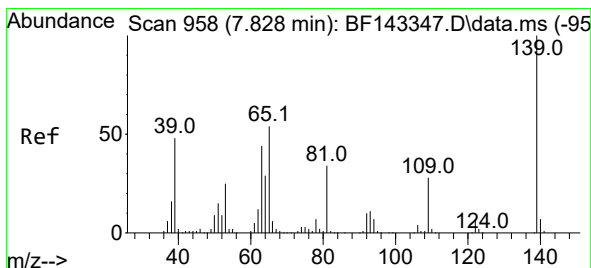
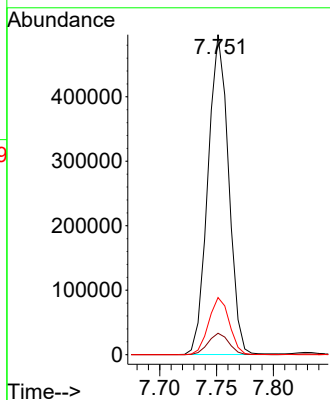
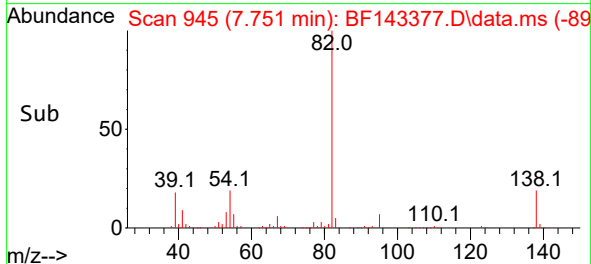
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



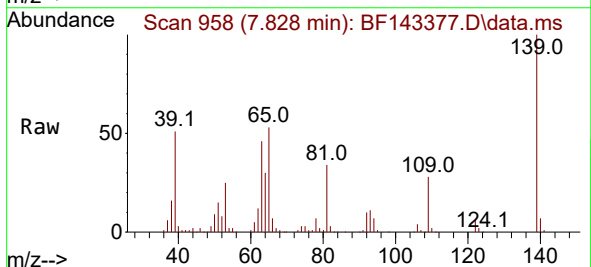
Tgt Ion: 82 Resp: 62848
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.9 14.6 21.8

Manual Integrations
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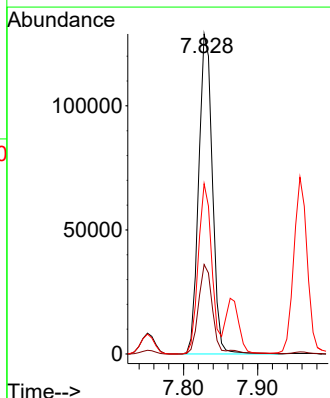
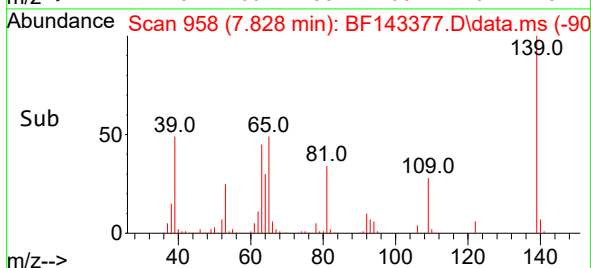
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

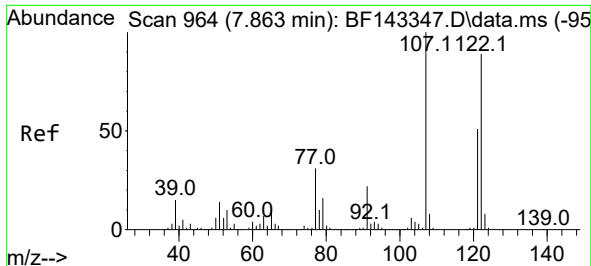


#26
2-Nitrophenol
Concen: 44.009 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion:139 Resp: 165535
Ion Ratio Lower Upper
139 100
109 28.0 22.4 33.6
65 53.2 42.9 64.3





#27
2,4-Dimethylphenol
Concen: 38.155 ng m
RT: 7.863 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

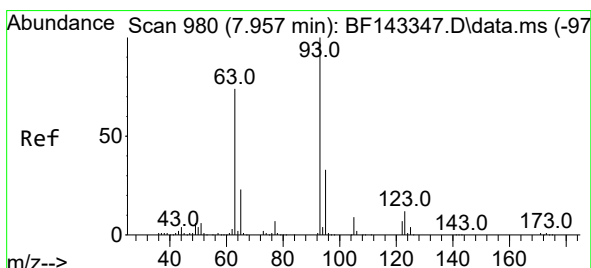
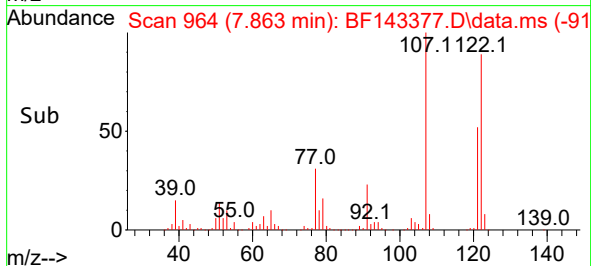
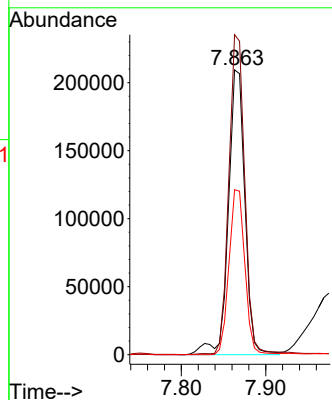
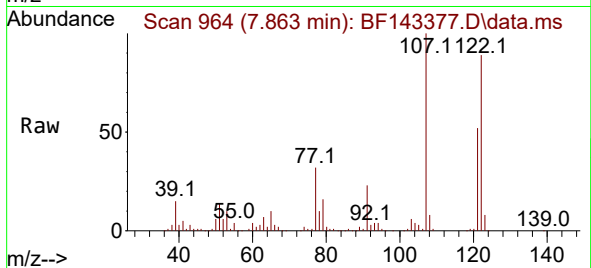
ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 282954
Ion Ratio Lower Upper
122 100
107 112.3 89.9 134.9
121 57.9 46.2 69.4

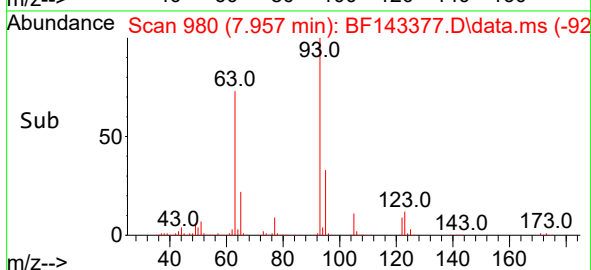
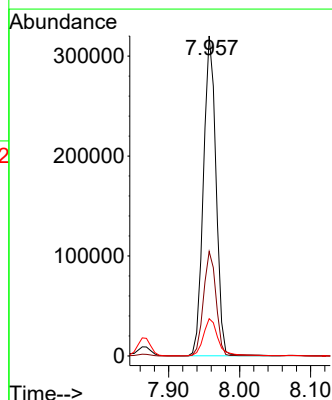
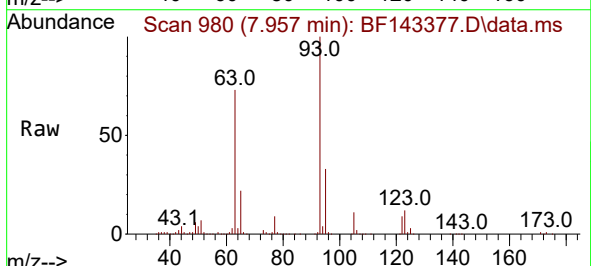
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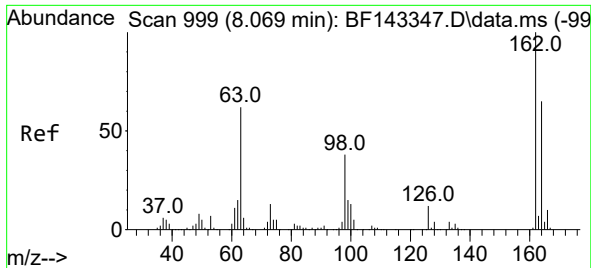
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#28
bis(2-Chloroethoxy)methane
Concen: 36.418 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion: 93 Resp: 395236
Ion Ratio Lower Upper
93 100
95 32.7 26.2 39.4
123 11.6 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 38.736 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.006 min

Lab File: BF143377.D

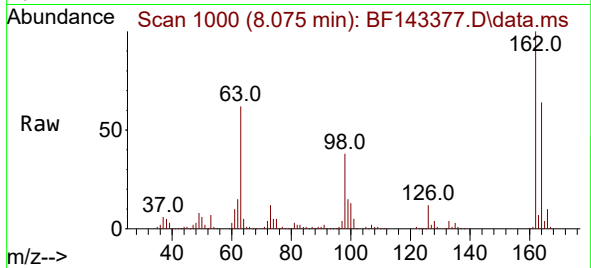
Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 280574

Ion Ratio Lower Upper

162 100

164 63.9 44.5 84.5

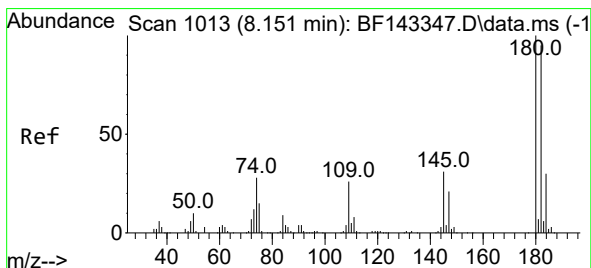
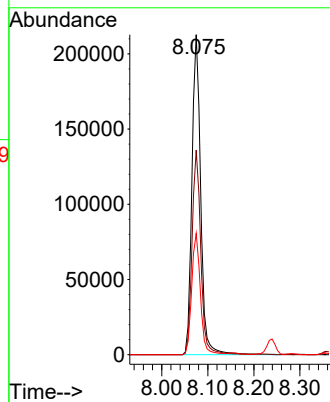
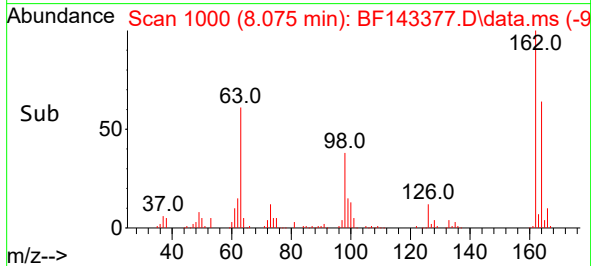
98 37.9 17.7 57.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#30

1,2,4-Trichlorobenzene

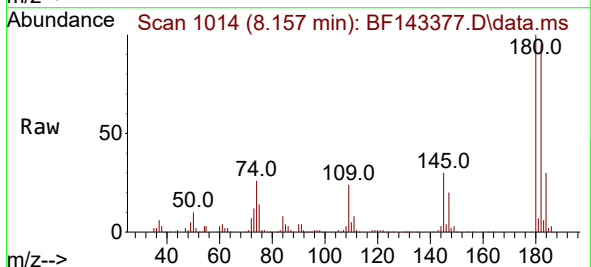
Concen: 37.448 ng

RT: 8.157 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55



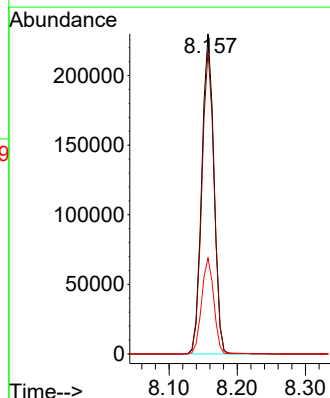
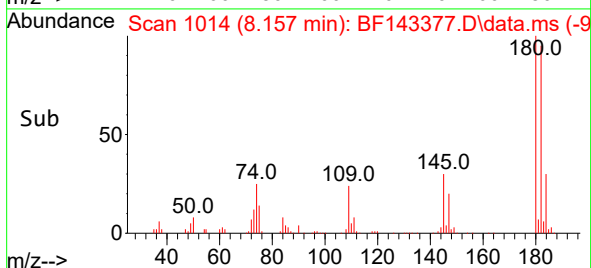
Tgt Ion:180 Resp: 286115

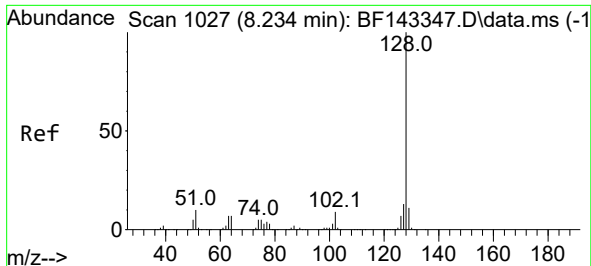
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

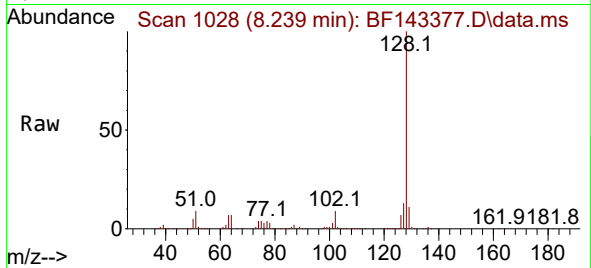
145 30.0 24.9 37.3





#31
Naphthalene
Concen: 36.447 ng
RT: 8.239 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

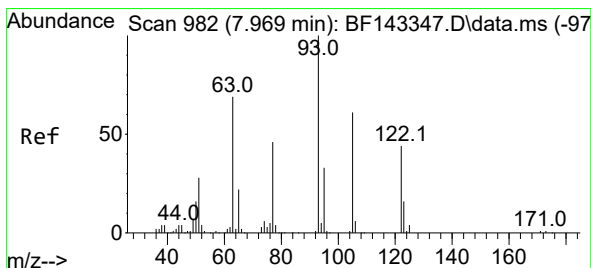
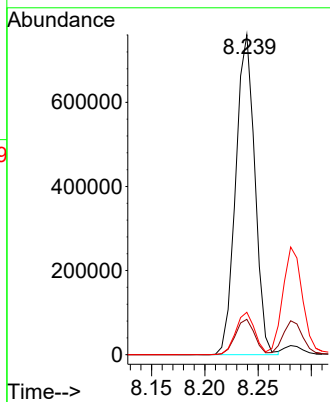
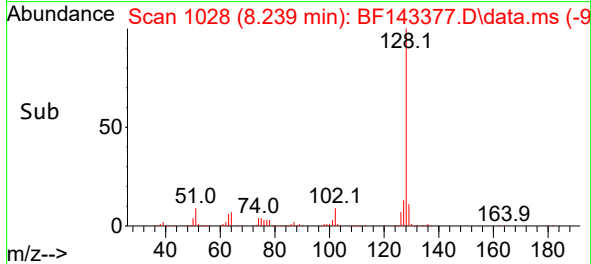
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:128 Resp: 950950
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.3 10.7 16.1

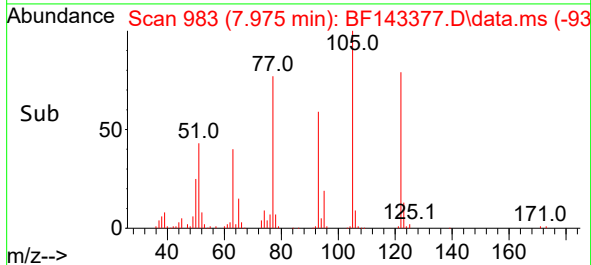
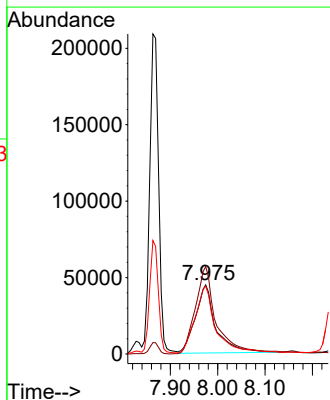
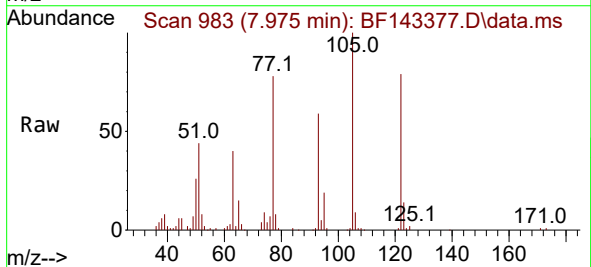
Manual Integrations
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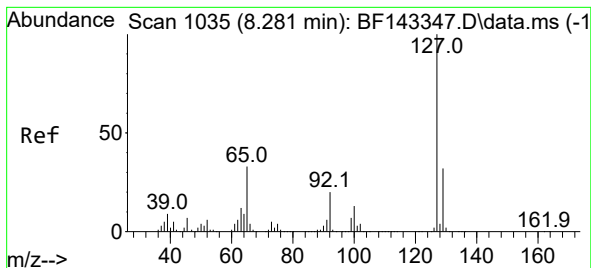
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#32
Benzoic acid
Concen: 43.135 ng
RT: 7.975 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:122 Resp: 133895
Ion Ratio Lower Upper
122 100
105 126.6 106.4 146.4
77 98.2 79.2 119.2





#33
4-Chloroaniline
Concen: 36.287 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

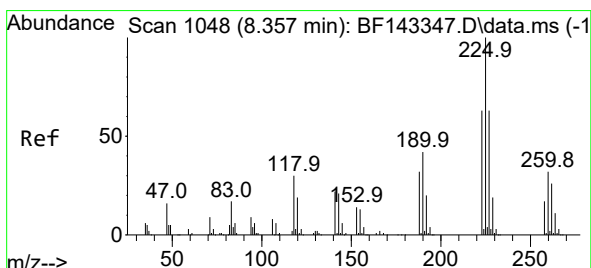
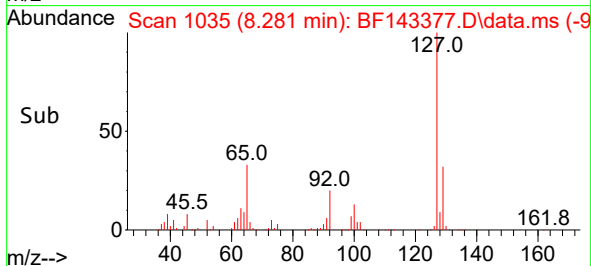
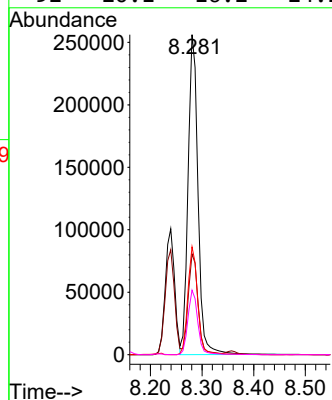
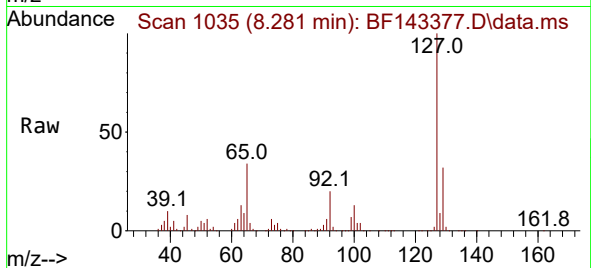
ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 341490
Ion Ratio Lower Upper
127 100
129 31.5 26.0 39.0
65 33.7 27.0 40.4
92 20.1 16.2 24.2

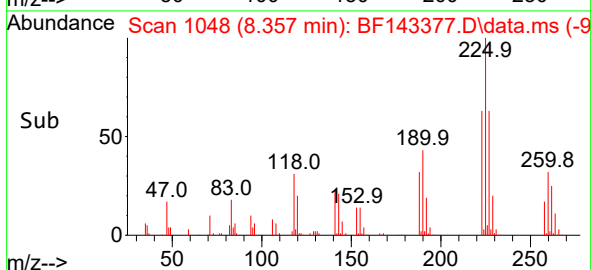
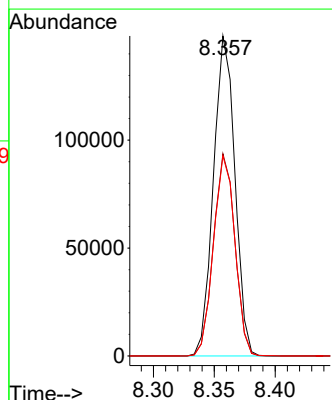
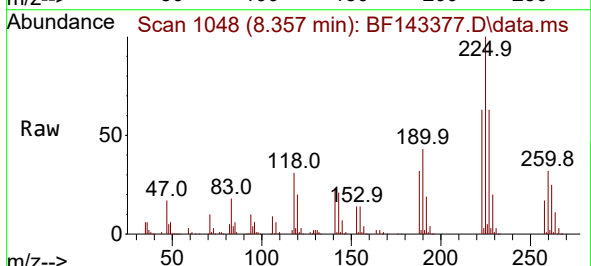
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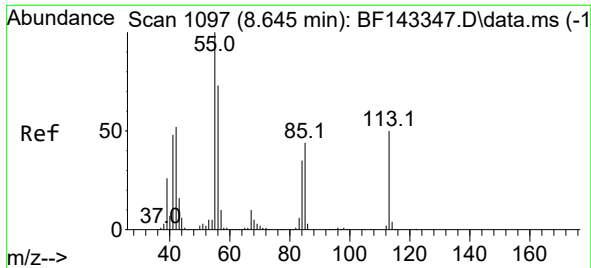
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#34
Hexachlorobutadiene
Concen: 38.164 ng
RT: 8.357 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

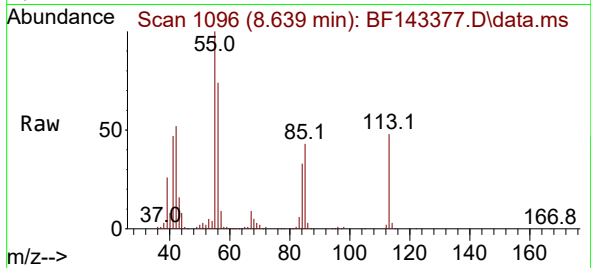
Tgt Ion:225 Resp: 181385
Ion Ratio Lower Upper
225 100
223 63.2 50.1 75.1
227 62.5 50.6 75.8





#35
Caprolactam
Concen: 37.353 ng
RT: 8.639 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

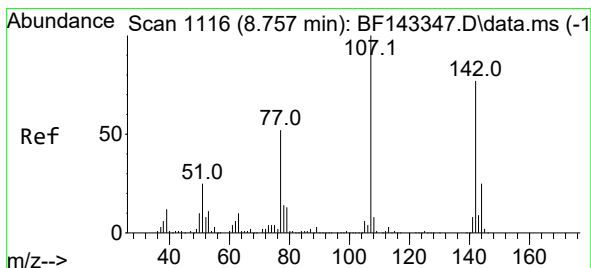
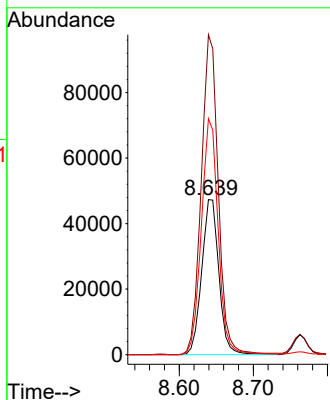
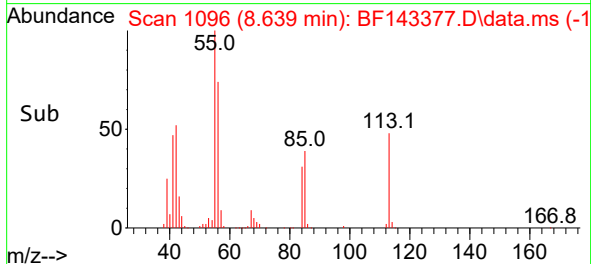
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:113 Resp: 76059
Ion Ratio Lower Upper
113 100
55 206.4 181.4 221.4
56 152.2 127.3 167.3

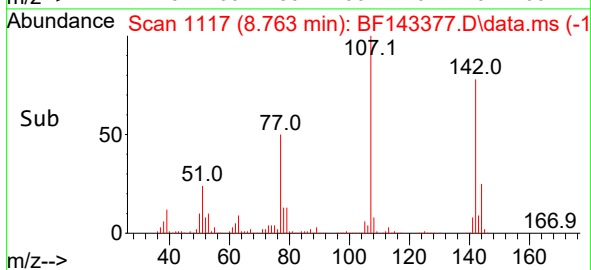
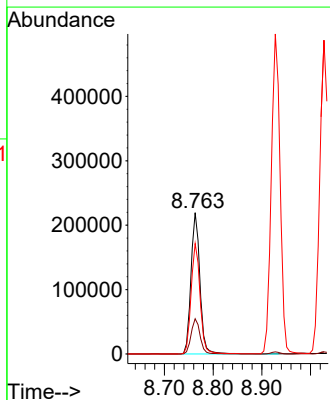
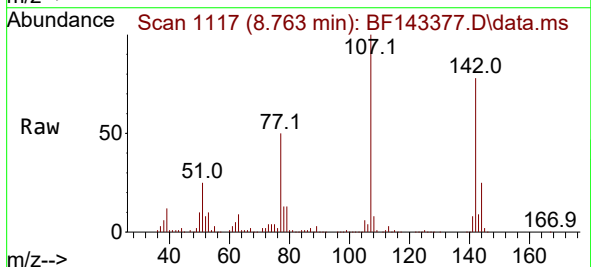
Manual Integrations
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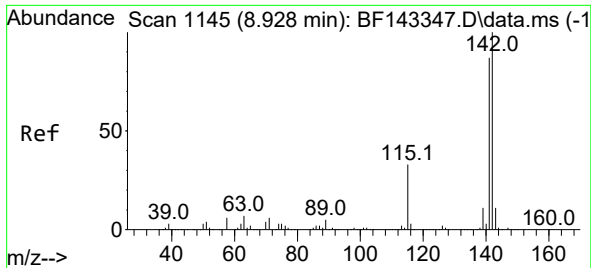
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#36
4-Chloro-3-methylphenol
Concen: 37.191 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

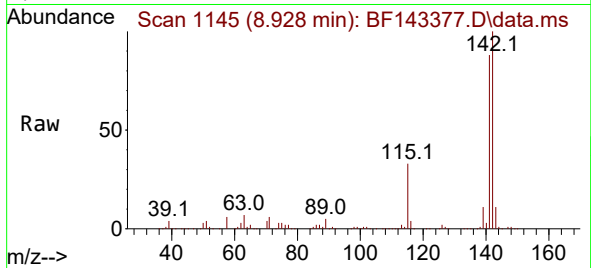
Tgt Ion:107 Resp: 282403
Ion Ratio Lower Upper
107 100
144 25.0 20.0 30.0
142 78.2 61.3 91.9





#37
2-Methylnaphthalene
Concen: 36.276 ng
RT: 8.928 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

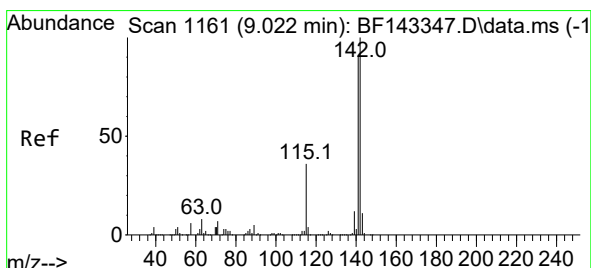
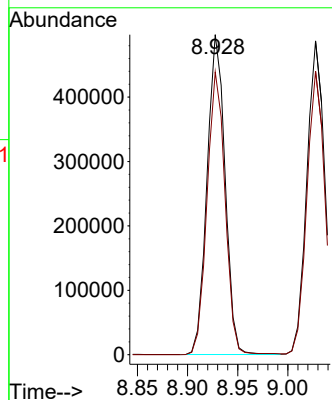
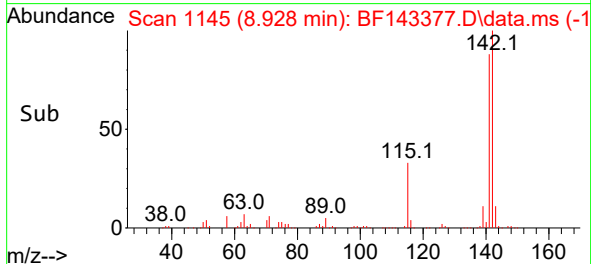
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



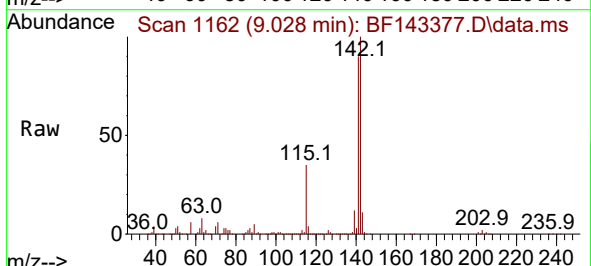
Tgt Ion:142 Resp: 622239
Ion Ratio Lower Upper
142 100
141 88.3 69.8 104.8

Manual Integrations
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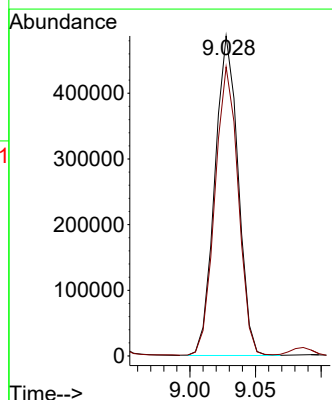
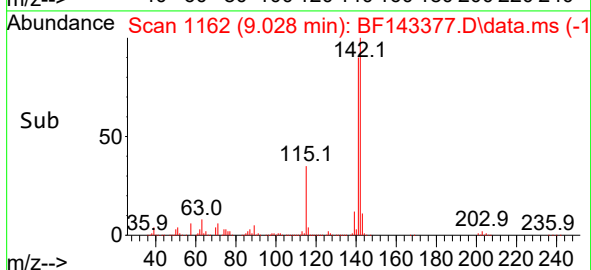
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

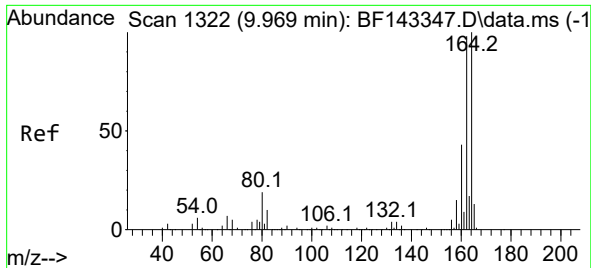


#38
1-Methylnaphthalene
Concen: 36.308 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



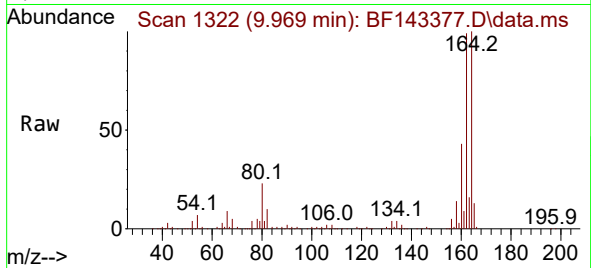
Tgt Ion:142 Resp: 599818
Ion Ratio Lower Upper
142 100
141 90.4 73.0 109.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

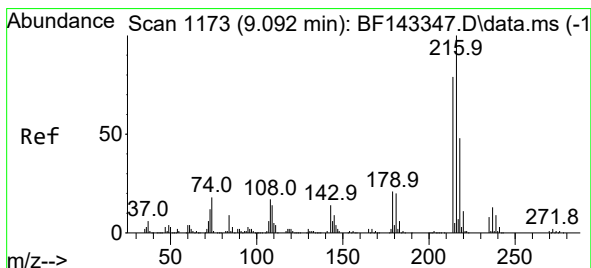
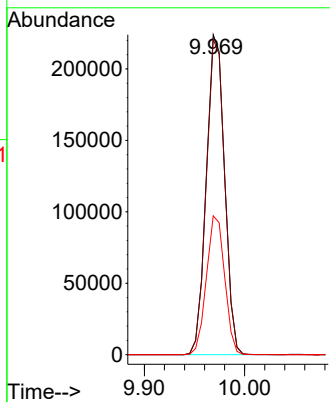
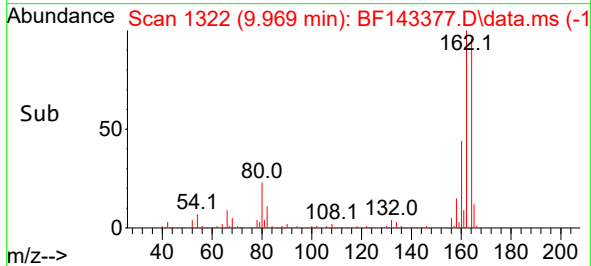
Instrument :
BNA_F
ClientSampleId :
SSTCCCC040



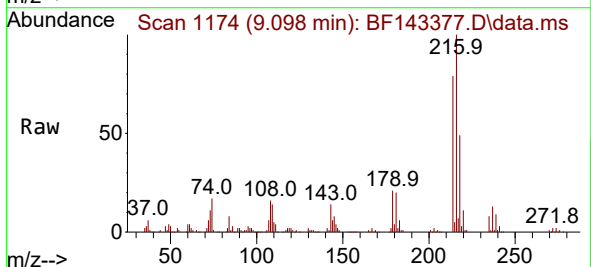
Tgt Ion:164 Resp: 28341
Ion Ratio Lower Upper
164 100
162 98.5 78.6 118.0
160 43.4 34.4 51.6

Manual Integrations
APPROVED

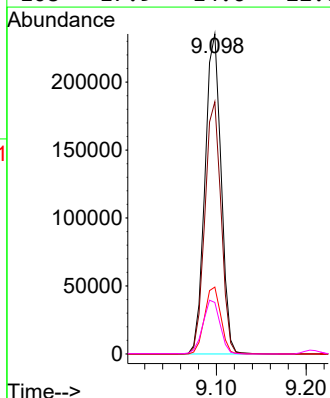
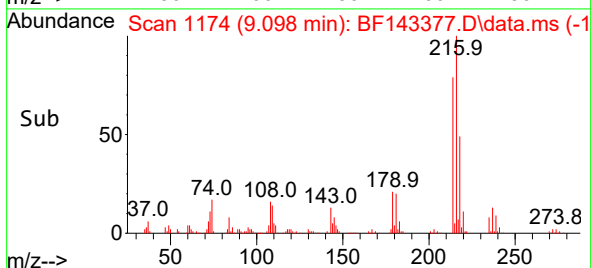
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

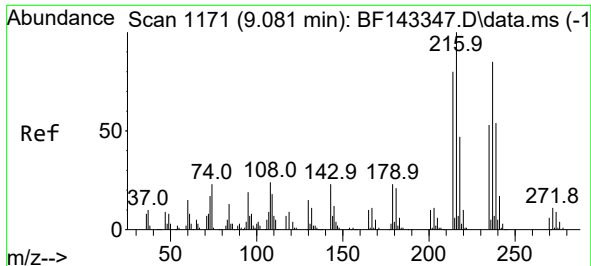


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.871 ng
RT: 9.098 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion:216 Resp: 293706
Ion Ratio Lower Upper
216 100
214 79.2 63.0 94.4
179 21.1 17.0 25.4
108 17.9 14.6 22.0





#41
Hexachlorocyclopentadiene
Concen: 47.813 ng
RT: 9.086 min Scan# 1171
Delta R.T. 0.005 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

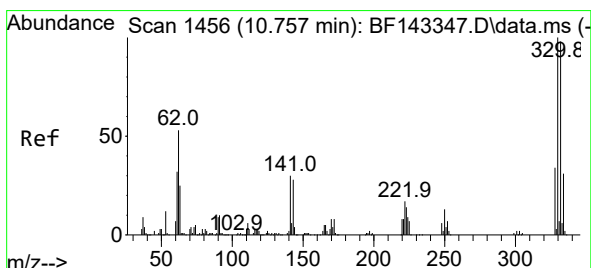
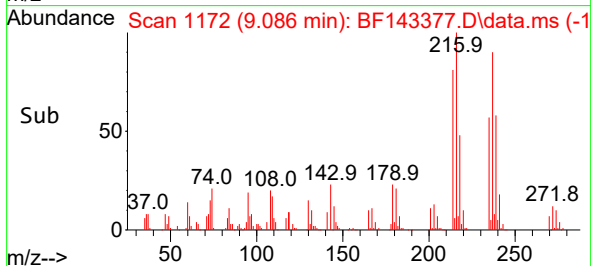
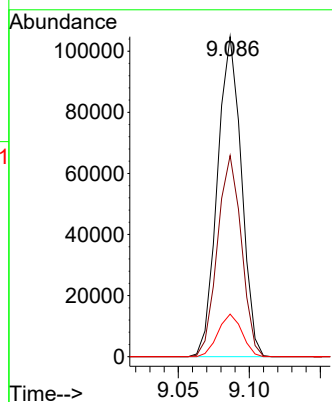
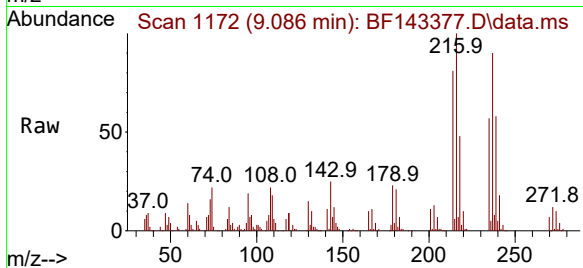
ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 12285
Ion Ratio Lower Upper
237 100
235 62.8 42.0 82.0
272 13.3 0.0 32.6

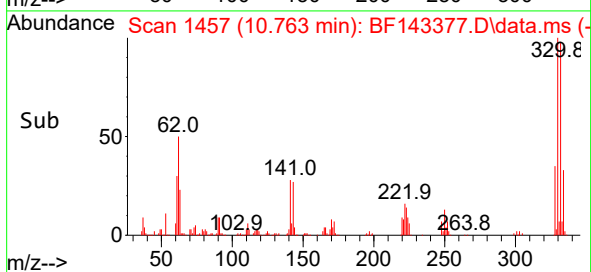
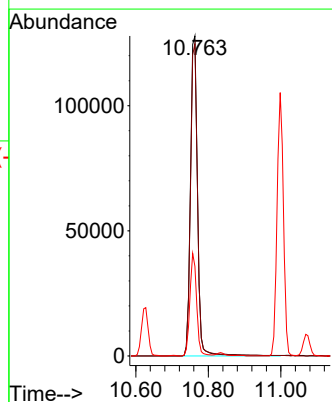
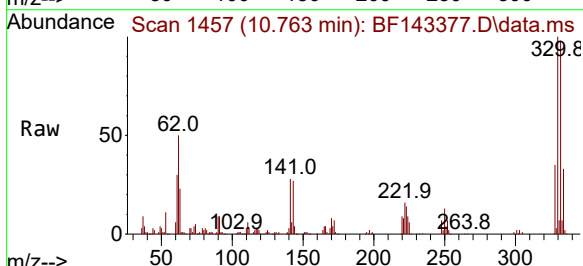
Manual Integrations
APPROVED

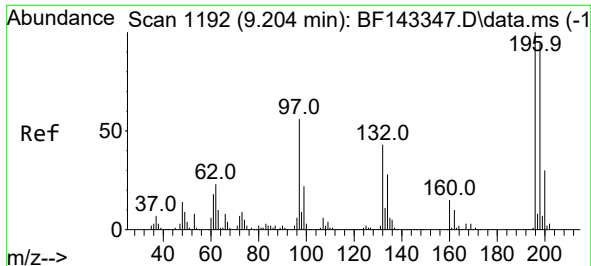
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#42
2,4,6-Tribromophenol
Concen: 83.174 ng
RT: 10.763 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

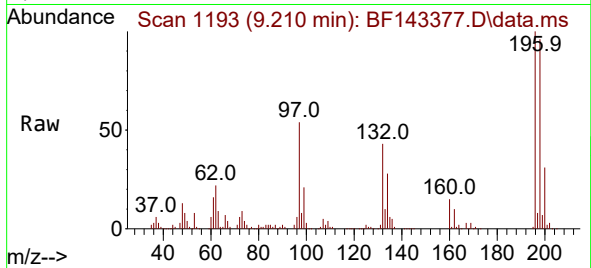
Tgt Ion:330 Resp: 172272
Ion Ratio Lower Upper
330 100
332 96.1 78.1 117.1
141 30.7 25.4 38.0





#43
2,4,6-Trichlorophenol
Concen: 40.834 ng
RT: 9.210 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

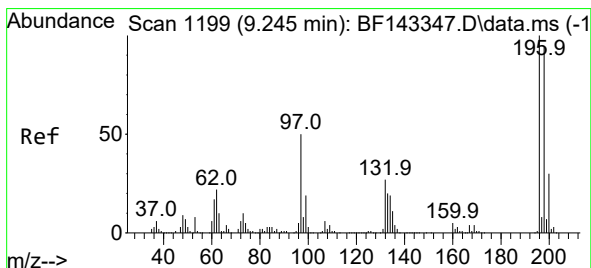
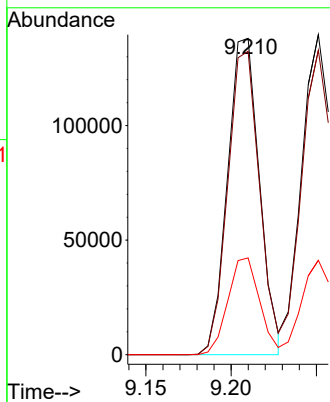
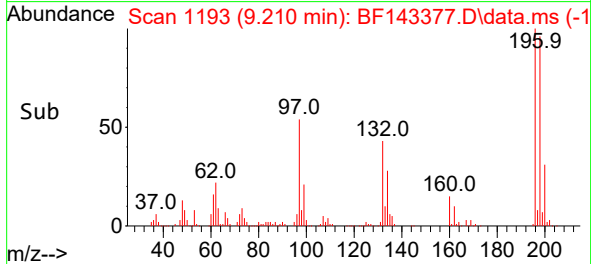
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



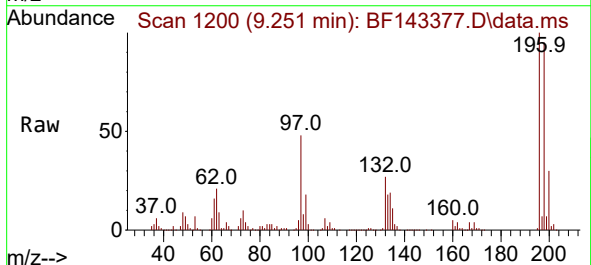
Tgt Ion:196 Resp: 179680
Ion Ratio Lower Upper
196 100
198 95.9 75.4 113.0
200 30.6 24.3 36.5

Manual Integrations
APPROVED

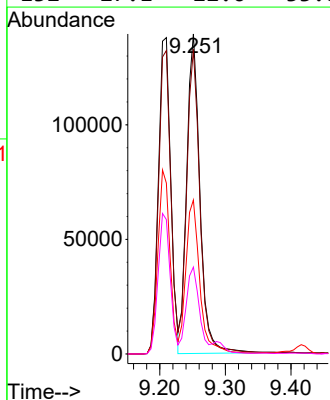
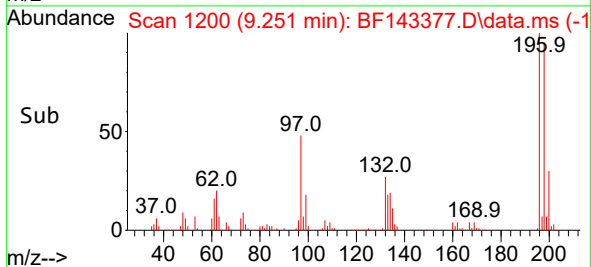
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

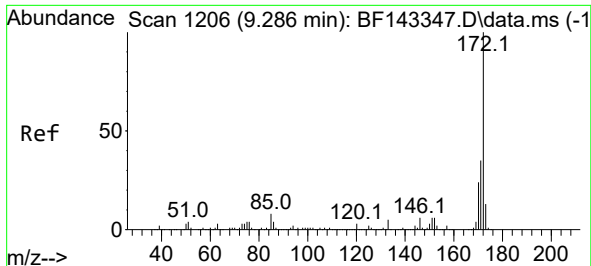


#44
2,4,5-Trichlorophenol
Concen: 39.301 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



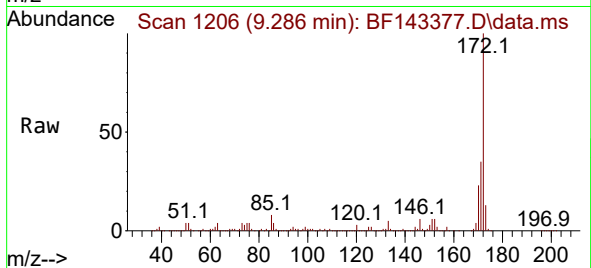
Tgt Ion:196 Resp: 195288
Ion Ratio Lower Upper
196 100
198 95.1 75.4 113.2
97 48.1 39.9 59.9
132 27.1 22.6 33.8





#45
2-Fluorobiphenyl
Concen: 73.114 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

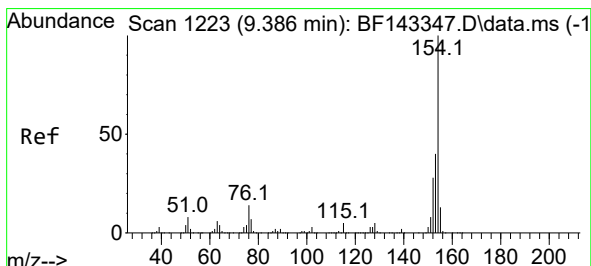
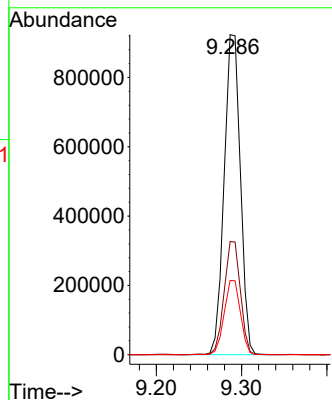
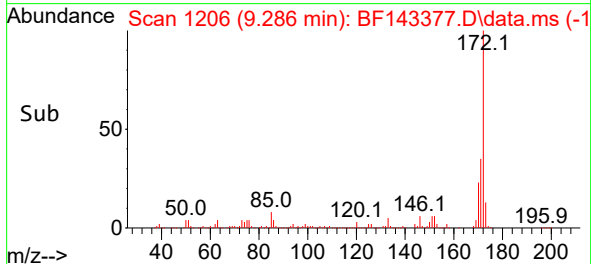
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



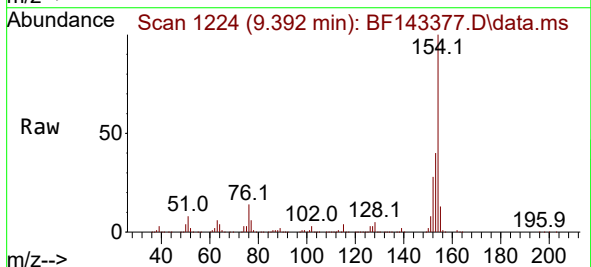
Tgt Ion:172 Resp: 1221958
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.2 19.1 28.7

Manual Integrations
APPROVED

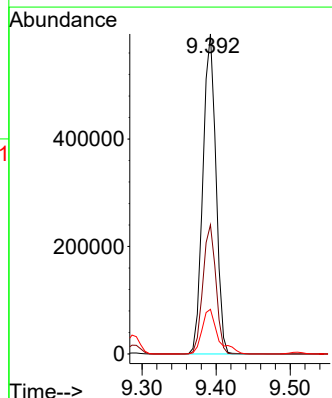
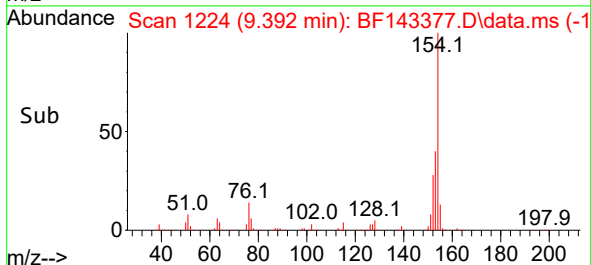
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

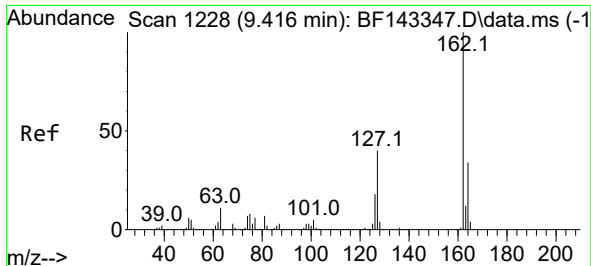


#46
1,1'-Biphenyl
Concen: 36.312 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion:154 Resp: 727640
Ion Ratio Lower Upper
154 100
153 40.4 20.2 60.2
76 13.9 0.0 34.4





#47

2-Chloronaphthalene

Concen: 36.485 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

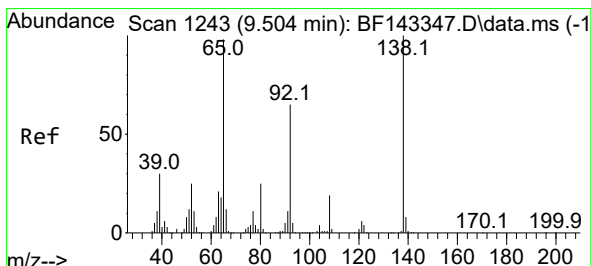
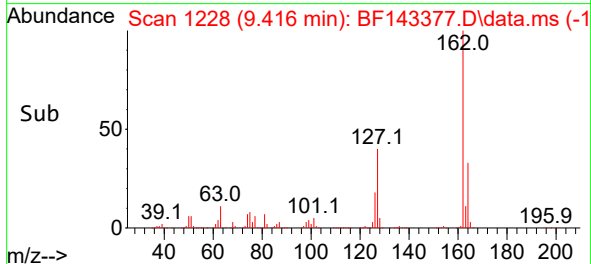
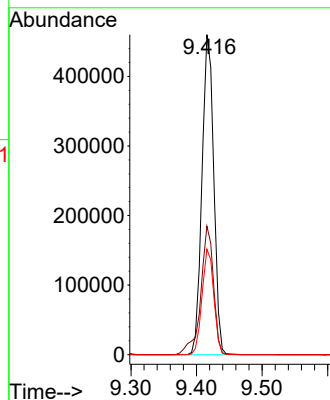
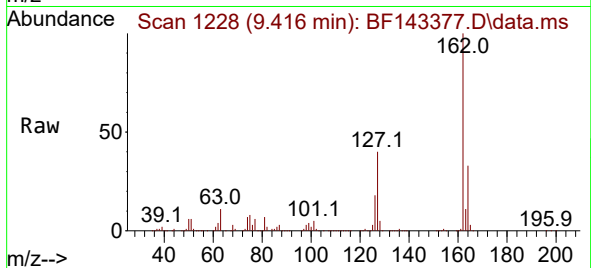
Tgt Ion:162	Resp: 575800
Ion Ratio	Lower Upper
162	100
127	40.1 32.1 48.1
164	32.9 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#48

2-Nitroaniline

Concen: 38.835 ng

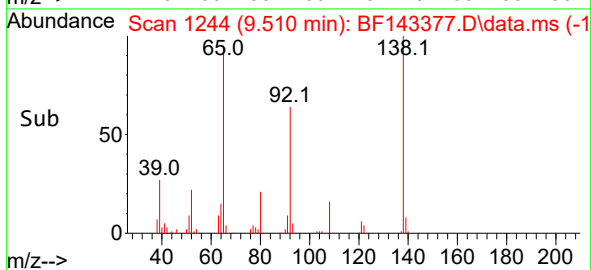
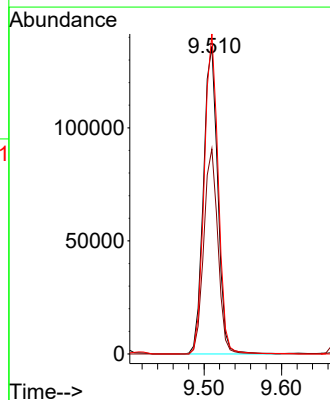
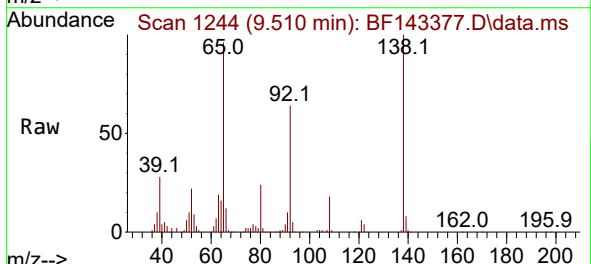
RT: 9.510 min Scan# 1244

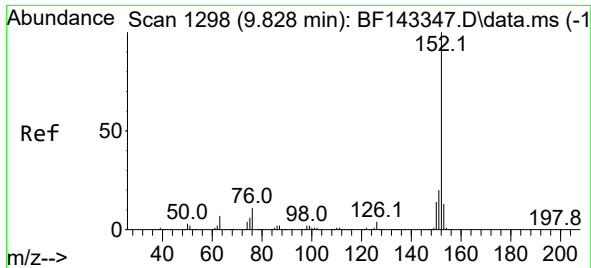
Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

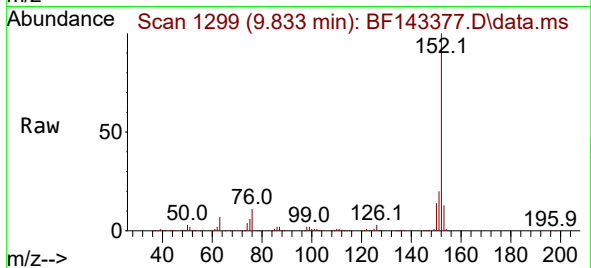
Tgt Ion: 65	Resp: 174216
Ion Ratio	Lower Upper
65	100
92	66.7 53.1 79.7
138	104.0 81.4 122.0





#49
Acenaphthylene
Concen: 36.100 ng
RT: 9.833 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

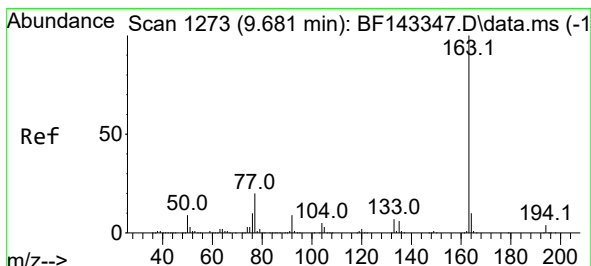
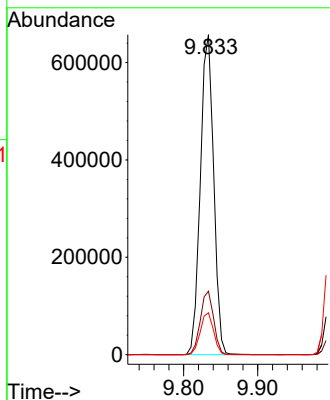
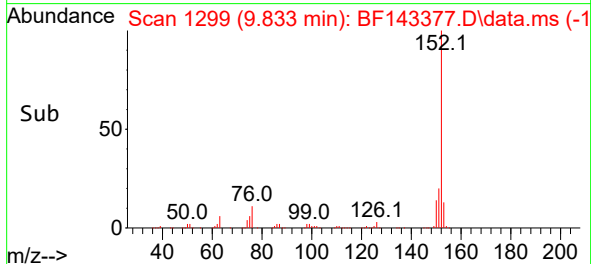
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



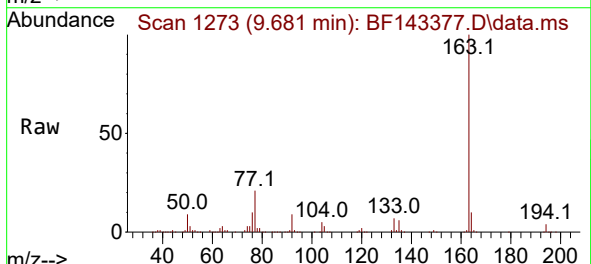
Tgt Ion:152 Resp: 82275
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.1 10.6 16.0

Manual Integrations
APPROVED

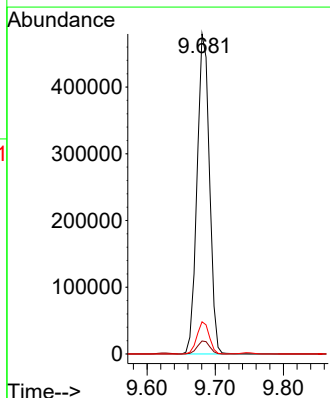
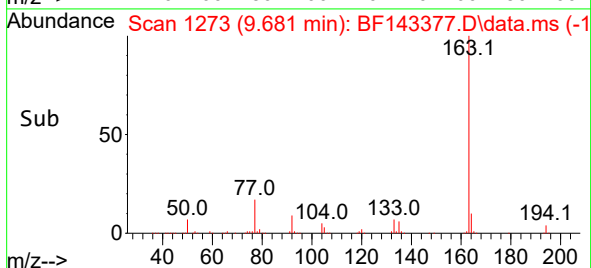
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

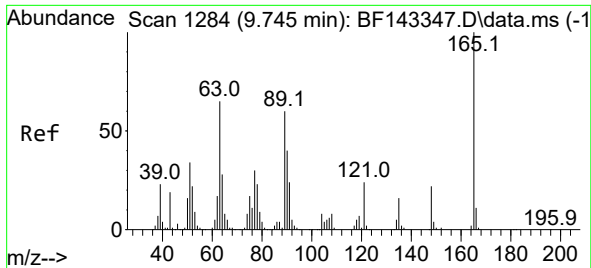


#50
Dimethylphthalate
Concen: 36.590 ng
RT: 9.681 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



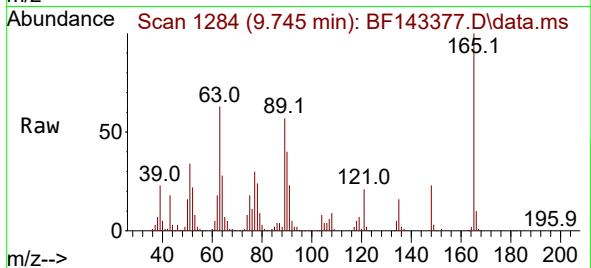
Tgt Ion:163 Resp: 605945
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 39.683 ng
RT: 9.745 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

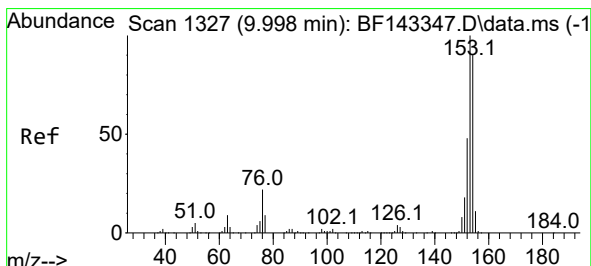
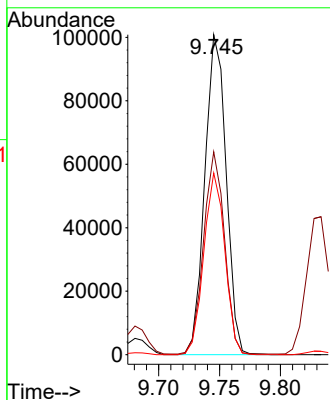
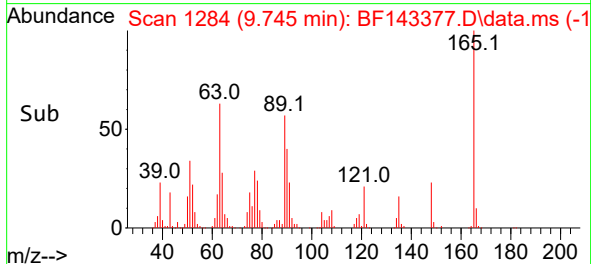
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



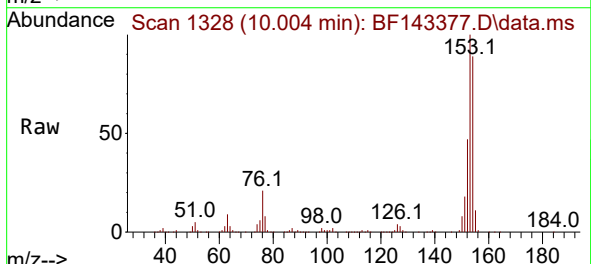
Tgt Ion:165 Resp: 122638
Ion Ratio Lower Upper
165 100
63 63.4 51.6 77.4
89 56.8 47.7 71.5

Manual Integrations
APPROVED

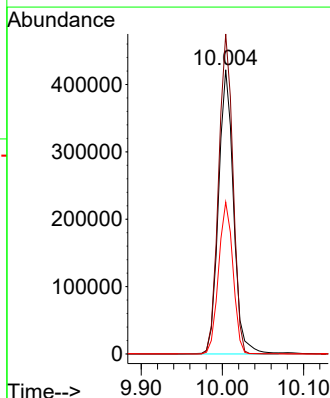
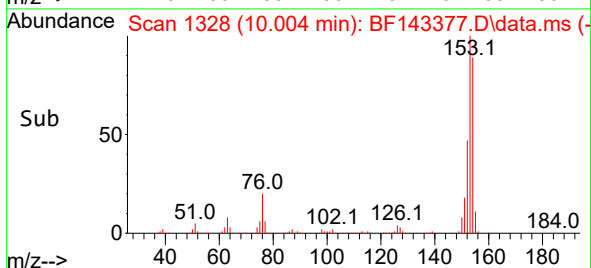
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

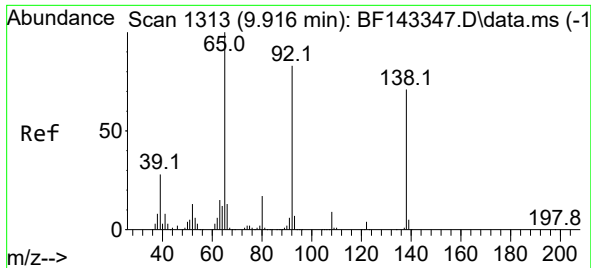


#52
Acenaphthene
Concen: 35.890 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion:154 Resp: 543801
Ion Ratio Lower Upper
154 100
153 112.6 88.5 132.7
152 53.4 42.4 63.6





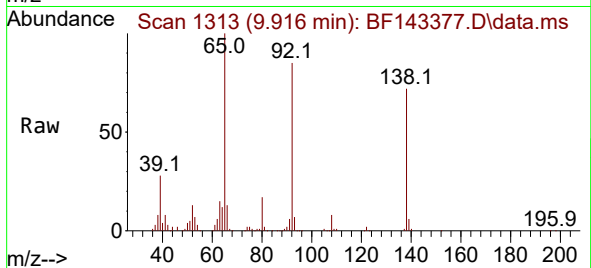
#53
3-Nitroaniline
Concen: 40.760 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



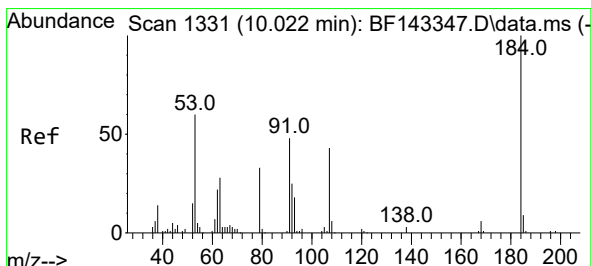
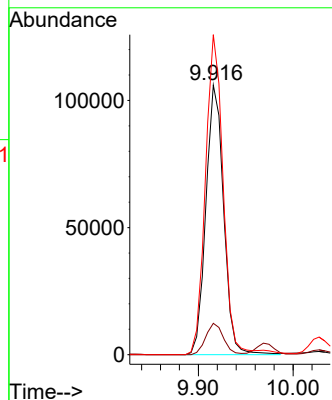
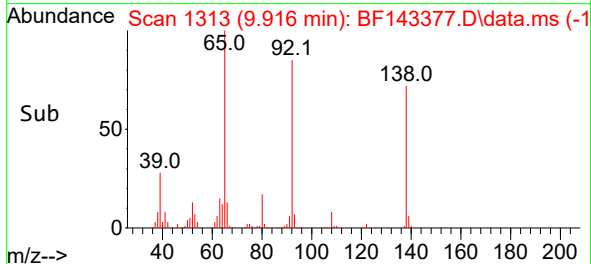
Tgt Ion:138 Resp: 138234
Ion Ratio Lower Upper
138 100
108 11.7 9.6 14.4
92 118.7 93.4 140.2

Manual Integrations

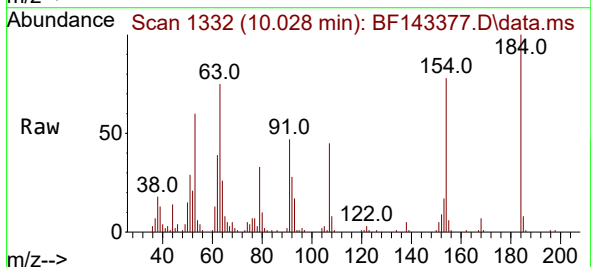
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

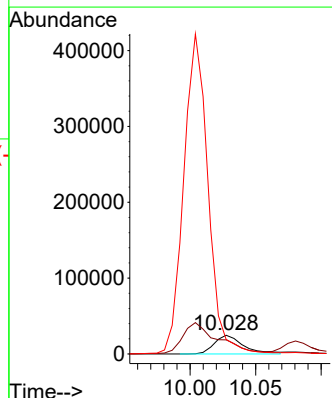
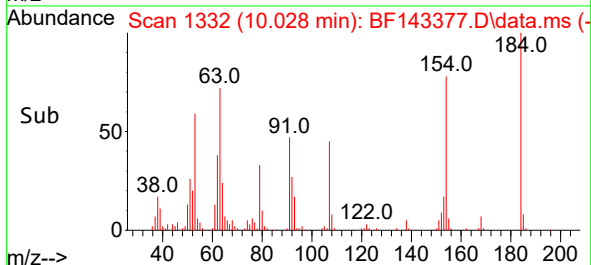
Supervised By :Jagrut Upadhyay 08/15/2025

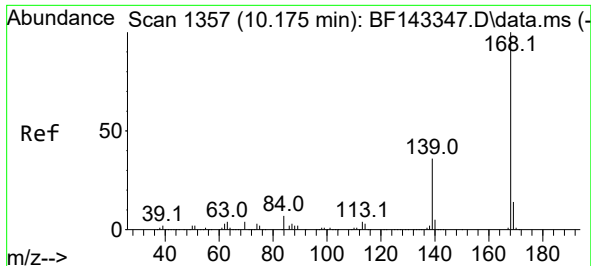


#54
2,4-Dinitrophenol
Concen: 39.881 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



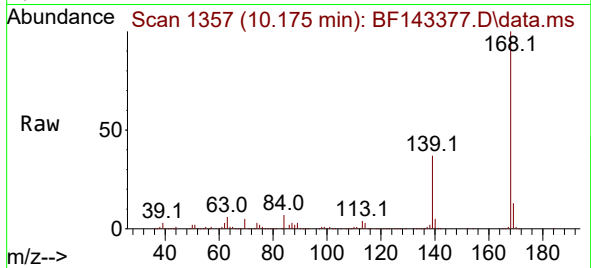
Tgt Ion:184 Resp: 37998
Ion Ratio Lower Upper
184 100
63 74.5 62.5 93.7
154 77.7 73.0 109.4





#55
Dibenzenofuran
Concen: 36.113 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

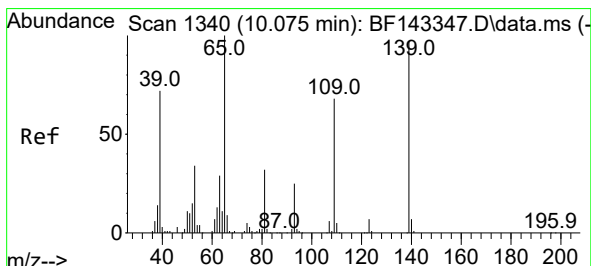
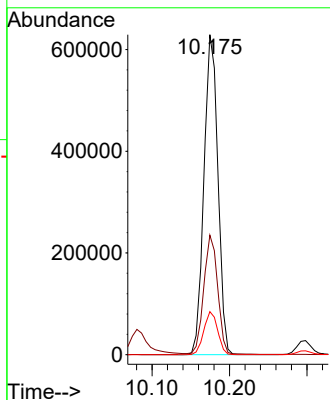
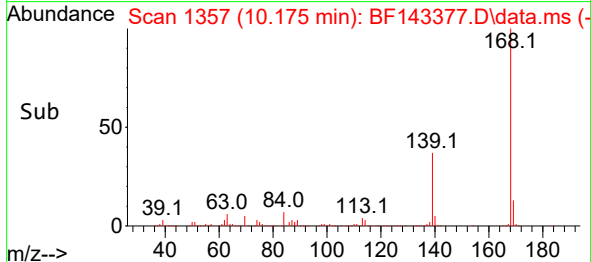
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



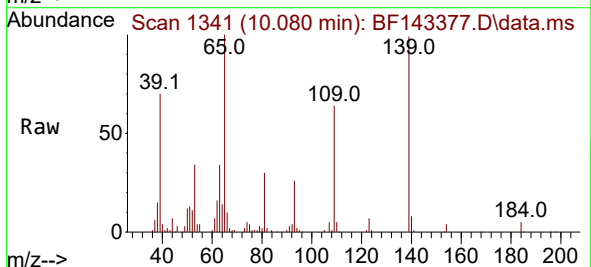
Tgt Ion:168 Resp: 78750
Ion Ratio Lower Upper
168 100
139 37.4 29.4 44.0
169 13.5 11.0 16.6

Manual Integrations
APPROVED

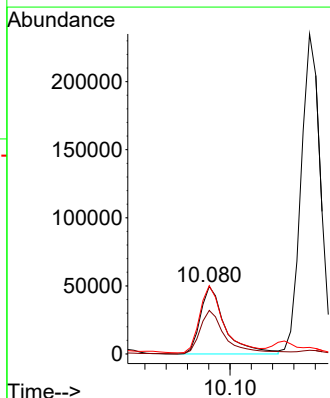
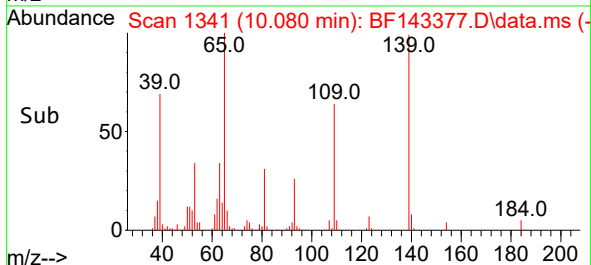
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

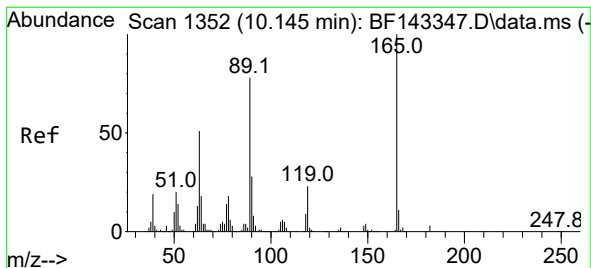


#56
4-Nitrophenol
Concen: 33.008 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



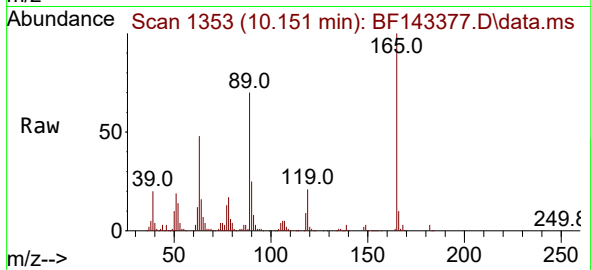
Tgt Ion:139 Resp: 80105
Ion Ratio Lower Upper
139 100
109 64.4 49.4 89.4
65 101.1 83.7 123.7





#57
2,4-Dinitrotoluene
Concen: 39.758 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

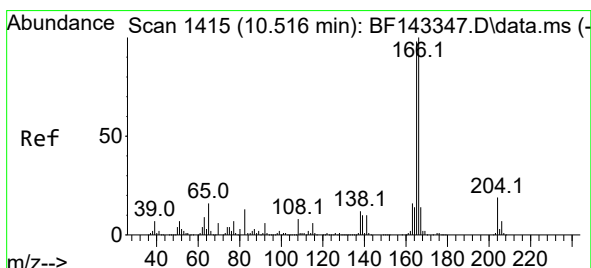
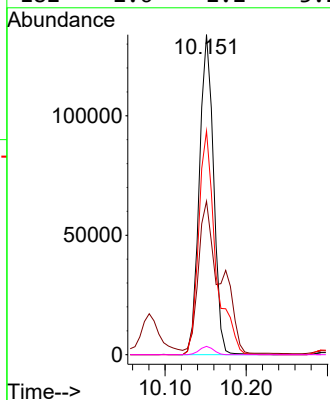
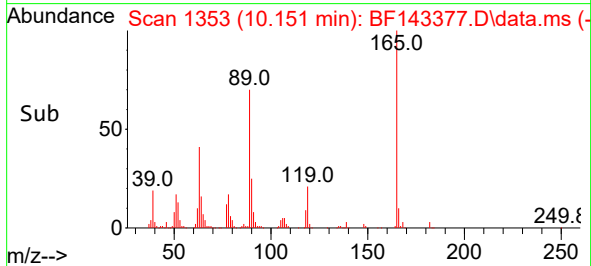
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



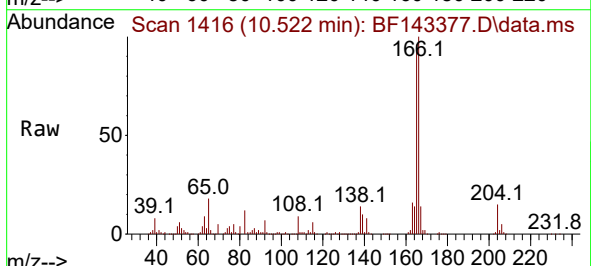
Tgt Ion:165 Resp: 16303
Ion Ratio Lower Upper
165 100
63 48.0 41.8 62.8
89 69.9 62.4 93.6
182 2.6 2.2 3.2

Manual Integrations
APPROVED

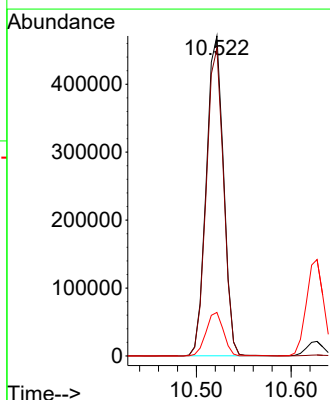
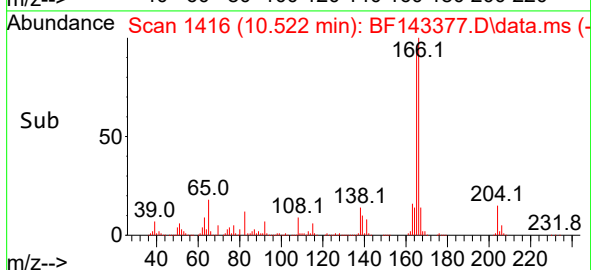
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

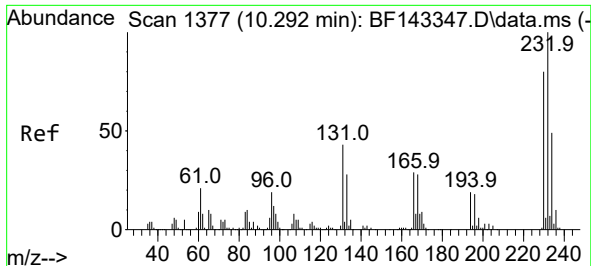


#58
Fluorene
Concen: 35.641 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



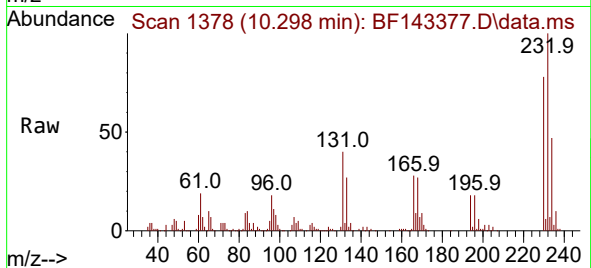
Tgt Ion:166 Resp: 593649
Ion Ratio Lower Upper
166 100
165 96.1 78.2 117.4
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.309 ng
RT: 10.298 min Scan# 1377
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

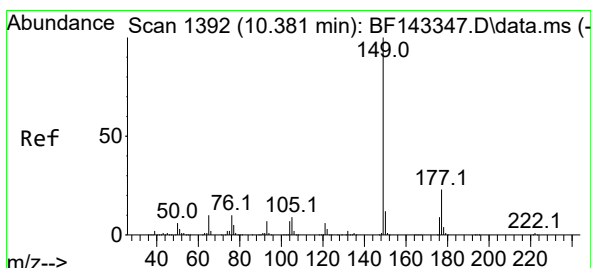
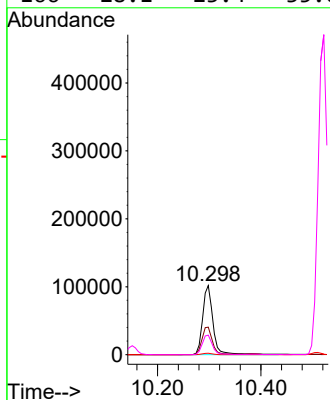
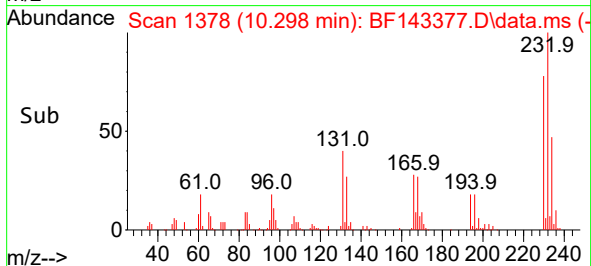
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



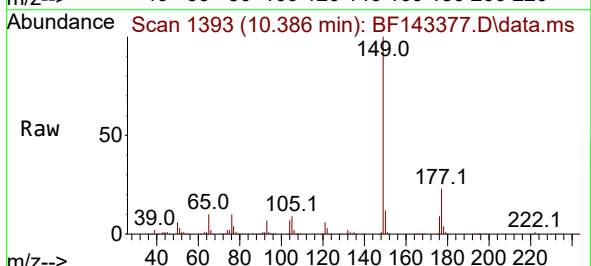
Tgt Ion:232 Resp: 141719
Ion Ratio Lower Upper
232 100
131 40.3 34.6 51.8
130 1.9 1.7 2.5
166 28.1 23.4 35.0

Manual Integrations
APPROVED

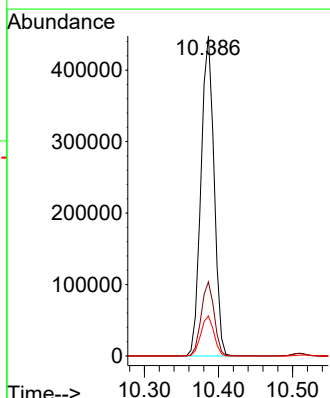
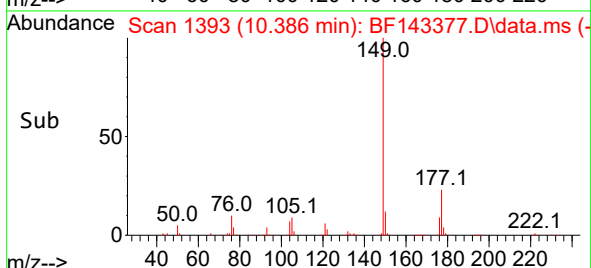
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

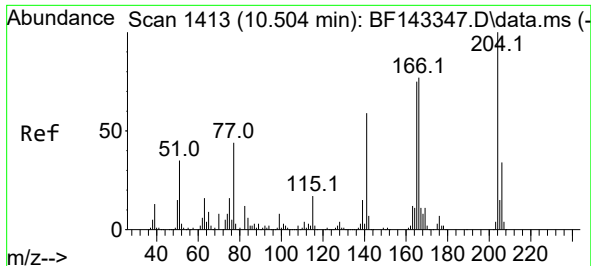


#60
Diethylphthalate
Concen: 37.031 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



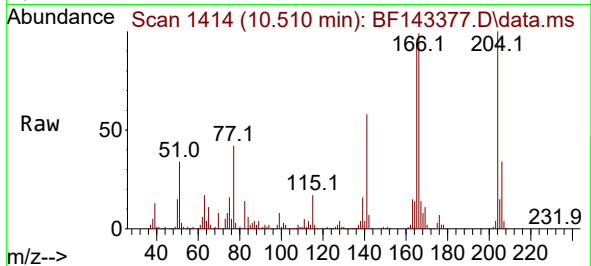
Tgt Ion:149 Resp: 549288
Ion Ratio Lower Upper
149 100
177 23.2 18.2 27.2
150 12.5 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 36.416 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

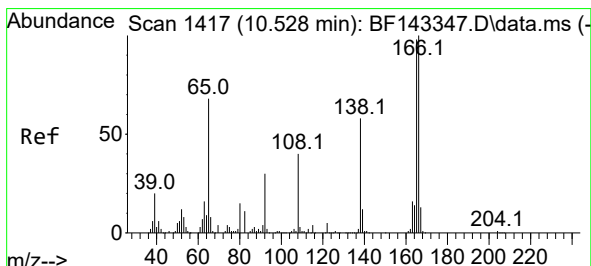
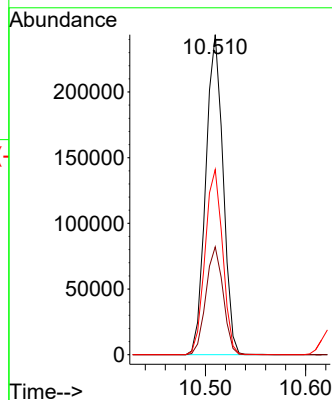
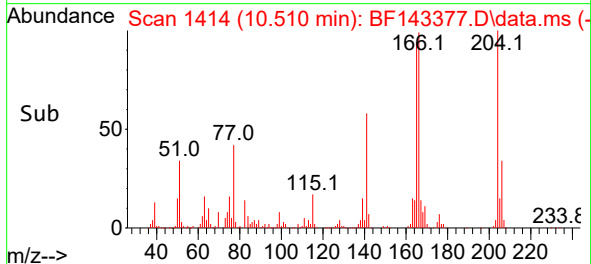
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



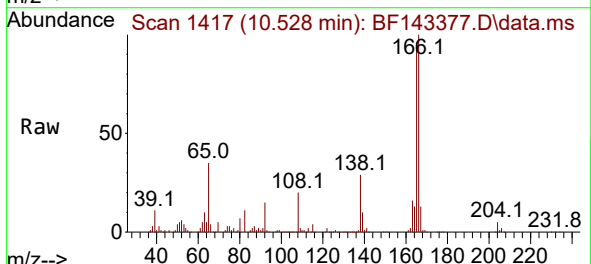
Tgt Ion:204 Resp: 293085
Ion Ratio Lower Upper
204 100
206 33.7 27.4 41.2
141 57.9 46.9 70.3

Manual Integrations
APPROVED

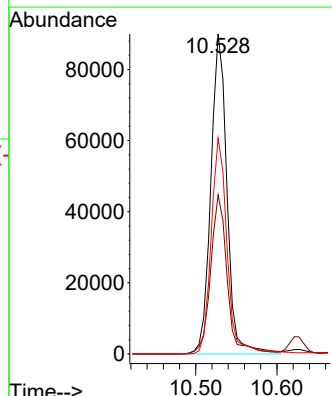
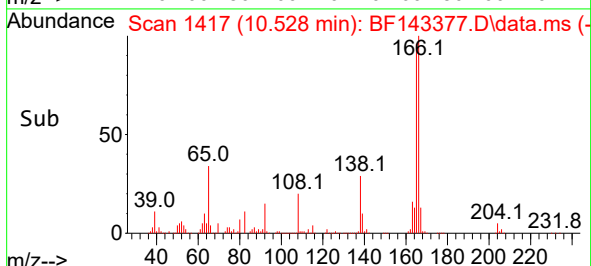
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

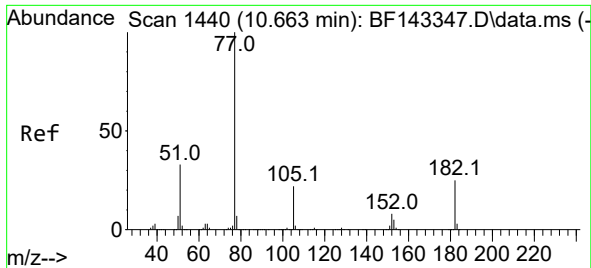


#62
4-Nitroaniline
Concen: 37.855 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



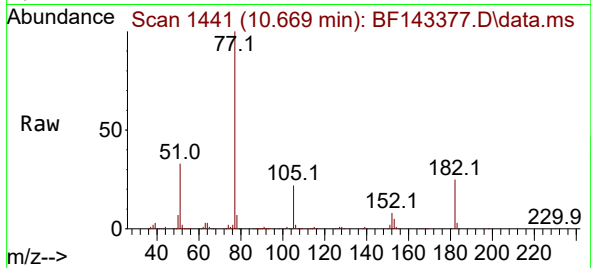
Tgt Ion:138 Resp: 124208
Ion Ratio Lower Upper
138 100
92 49.7 31.2 71.2
108 67.4 48.1 88.1





#63
Azobenzene
Concen: 35.414 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

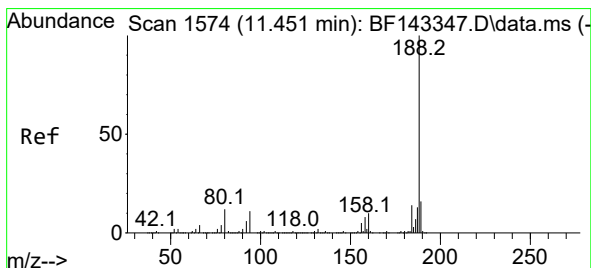
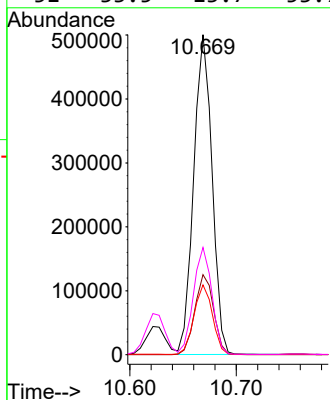
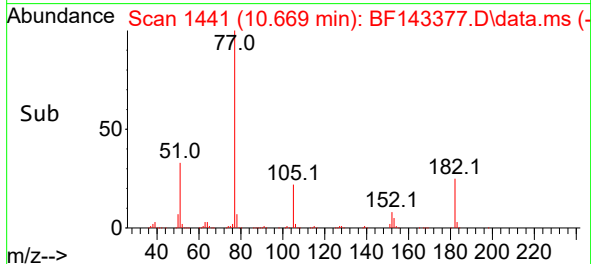
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



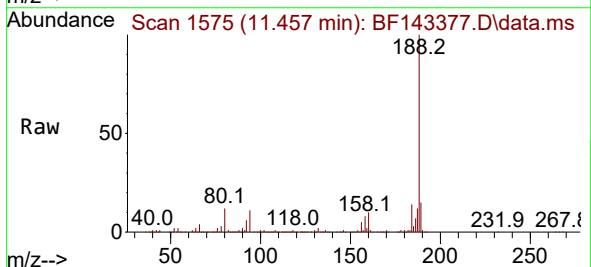
Tgt Ion: 77 Resp: 600012
Ion Ratio Lower Upper
77 100
182 25.0 4.4 44.4
105 21.8 1.8 41.8
51 33.5 13.7 53.7

Manual Integrations
APPROVED

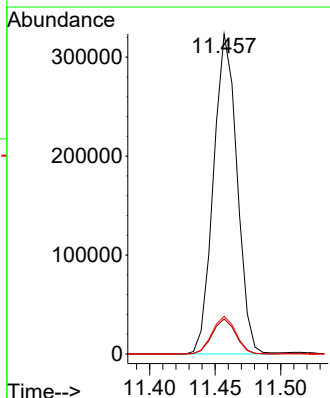
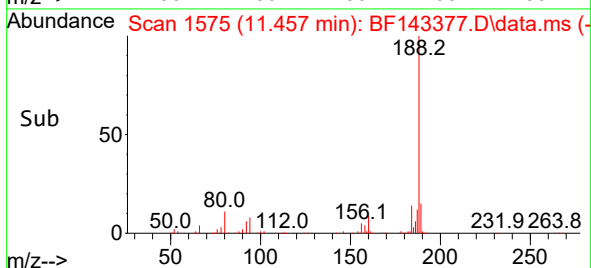
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

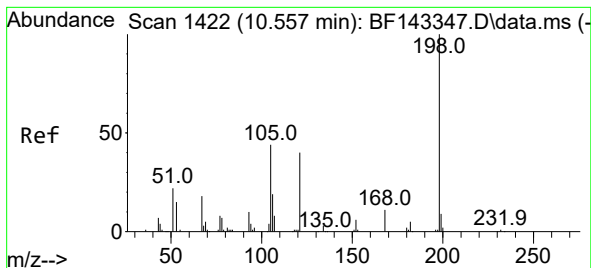


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion:188 Resp: 404824
Ion Ratio Lower Upper
188 100
94 10.9 8.8 13.2
80 11.7 9.7 14.5





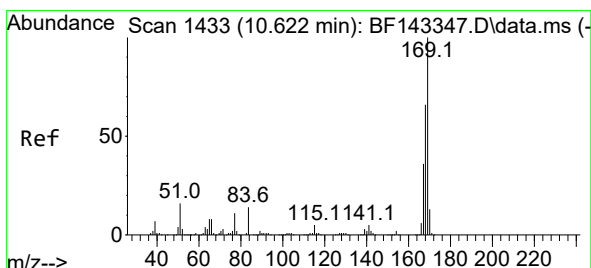
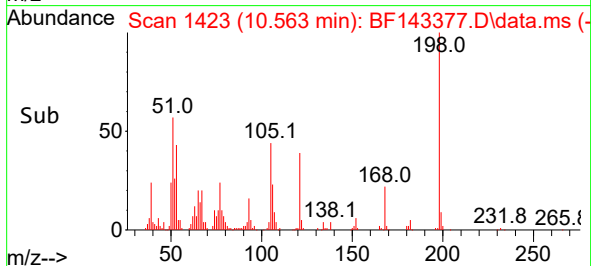
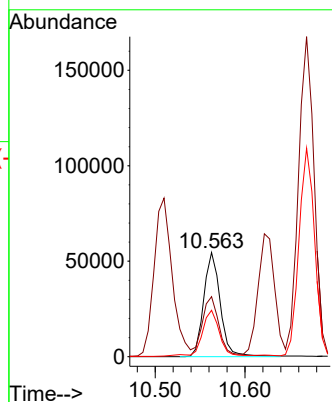
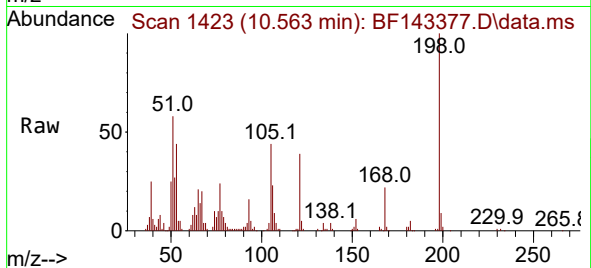
#65
4,6-Dinitro-2-methylphenol
Concen: 43.506 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 6994
Ion Ratio Lower Upper
198 100
51 57.6 41.7 81.7
105 44.5 26.8 66.8

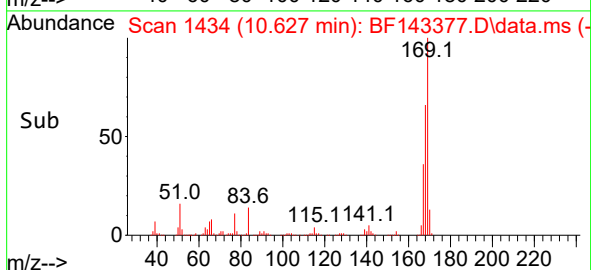
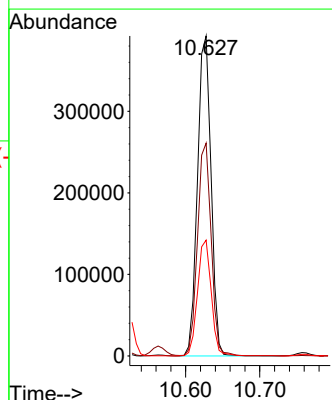
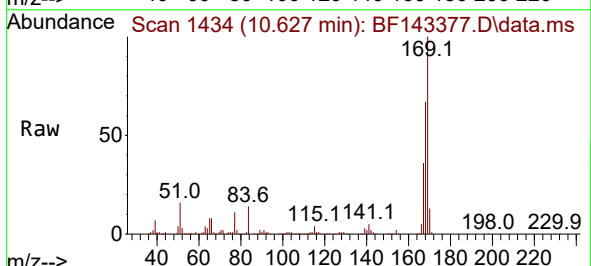
Manual Integrations
APPROVED

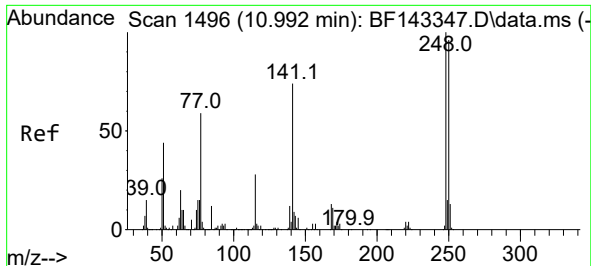
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 37.389 ng
RT: 10.627 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

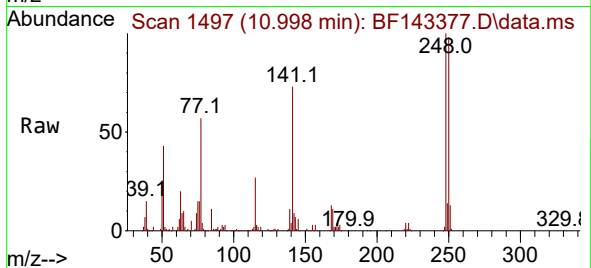
Tgt Ion:169 Resp: 498392
Ion Ratio Lower Upper
169 100
168 66.5 52.7 79.1
167 36.2 28.6 42.8





#67
4-Bromophenyl-phenylether
Concen: 38.474 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

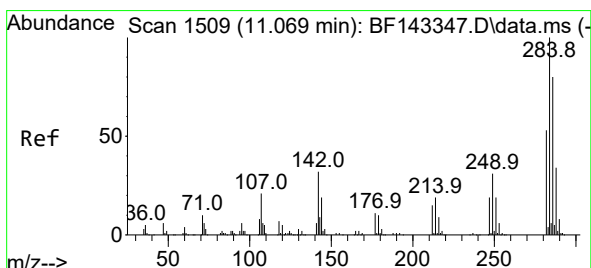
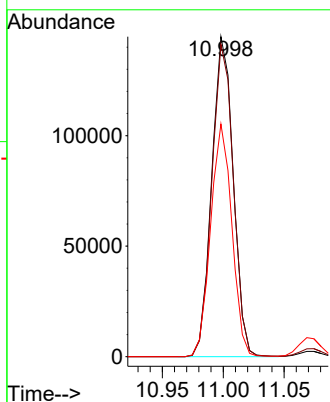
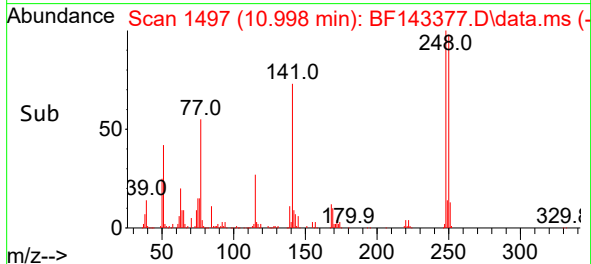
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



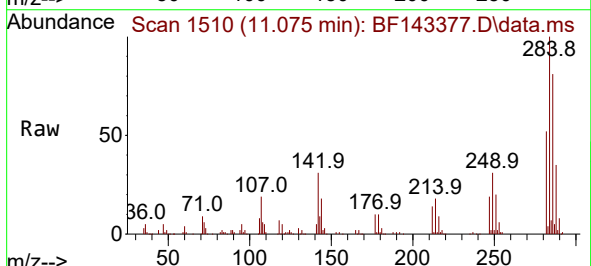
Tgt Ion:248 Resp: 17813
Ion Ratio Lower Upper
248 100
250 97.6 77.1 115.7
141 72.7 59.1 88.7

Manual Integrations
APPROVED

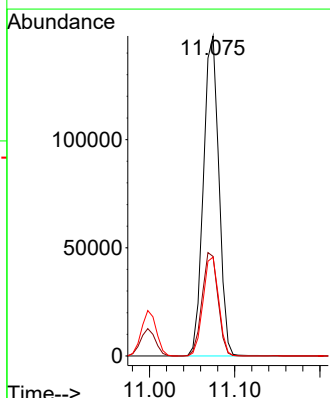
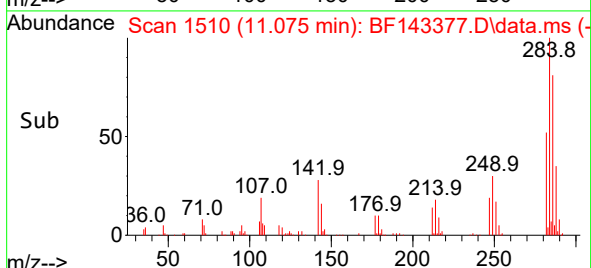
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

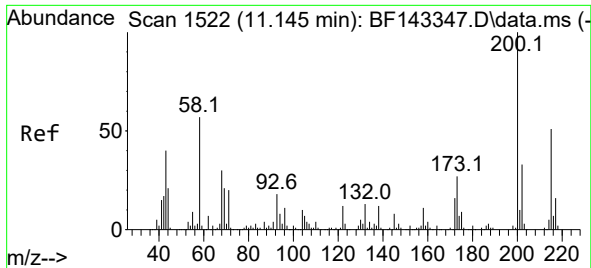


#68
Hexachlorobenzene
Concen: 37.395 ng
RT: 11.075 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



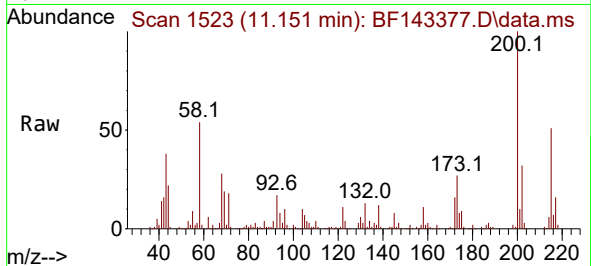
Tgt Ion:284 Resp: 186624
Ion Ratio Lower Upper
284 100
142 31.1 25.7 38.5
249 30.9 24.6 37.0





#69
Atrazine
Concen: 38.979 ng
RT: 11.151 min Scan# 1523
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

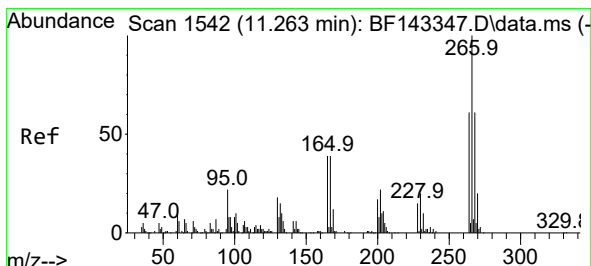
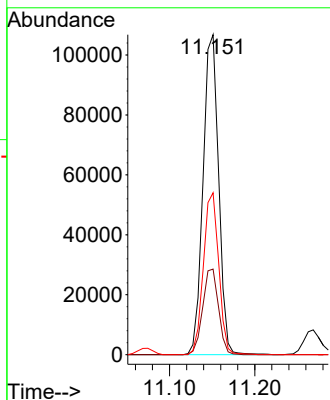
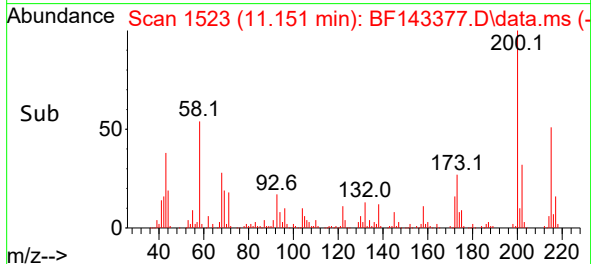
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



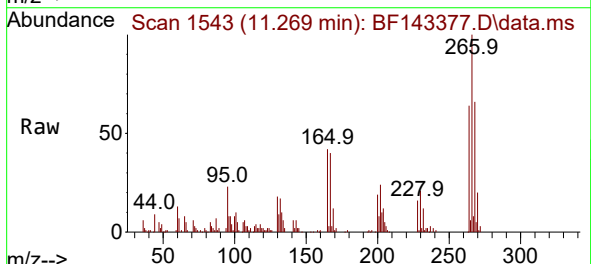
Tgt Ion:200 Resp: 135519
Ion Ratio Lower Upper
200 100
173 26.7 6.6 46.6
215 50.6 30.6 70.6

Manual Integrations
APPROVED

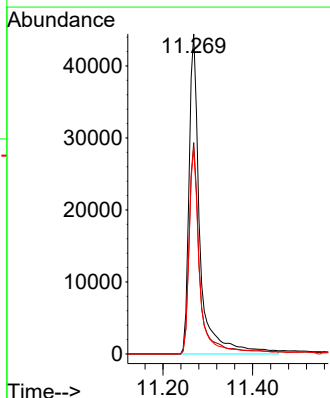
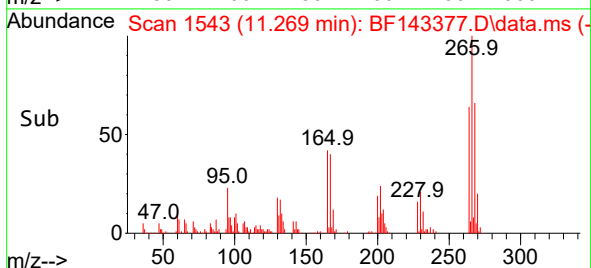
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

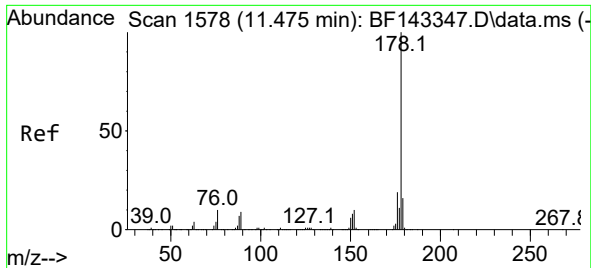


#70
Pentachlorophenol
Concen: 34.523 ng
RT: 11.269 min Scan# 1543
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



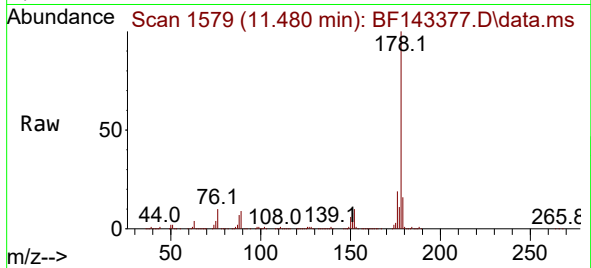
Tgt Ion:266 Resp: 75453
Ion Ratio Lower Upper
266 100
268 66.1 48.8 73.2
264 64.4 48.8 73.2





#71
Phenanthrene
Concen: 36.618 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

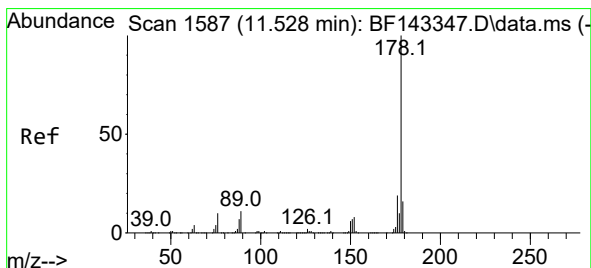
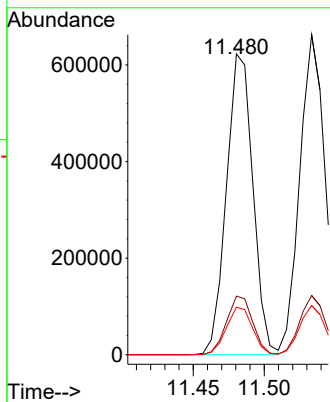
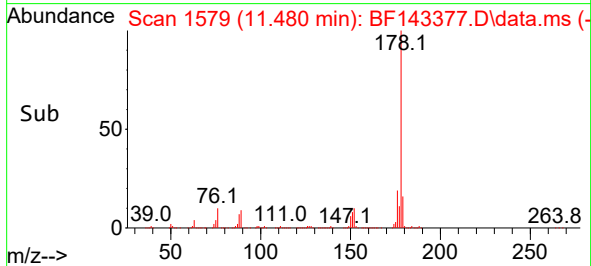
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



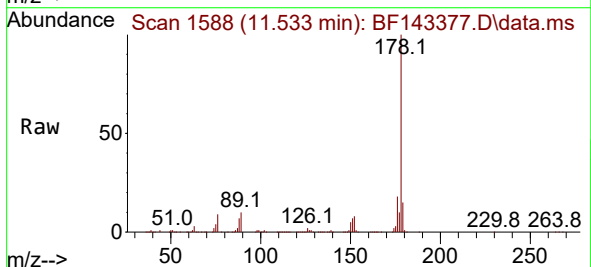
Tgt Ion:178 Resp: 808775
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.8 12.5 18.7

Manual Integrations
APPROVED

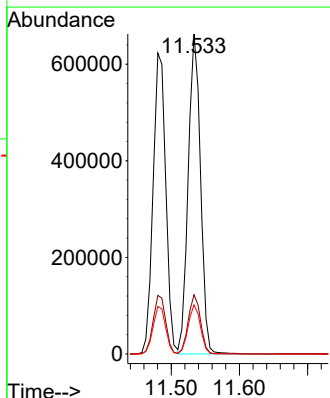
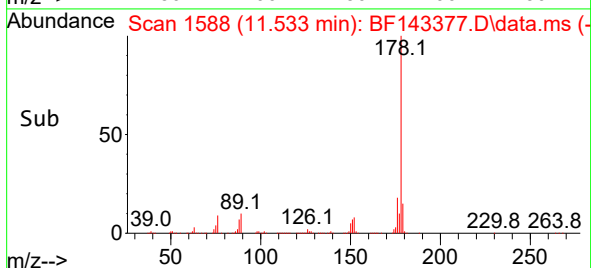
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

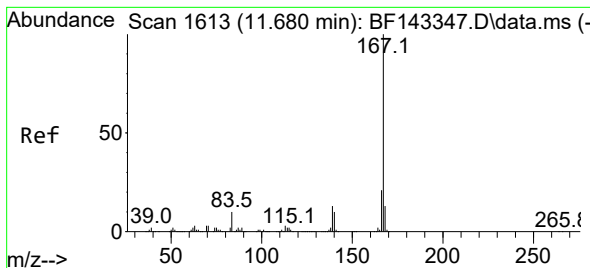


#72
Anthracene
Concen: 36.786 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



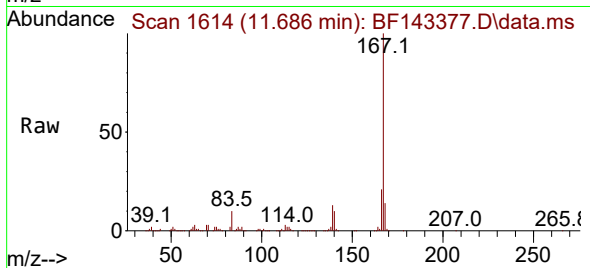
Tgt Ion:178 Resp: 823989
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.4 12.7 19.1





#73
 Carbazole
 Concen: 35.273 ng
 RT: 11.686 min Scan# 1613
 Delta R.T. 0.006 min
 Lab File: BF143377.D
 Acq: 14 Aug 2025 12:55

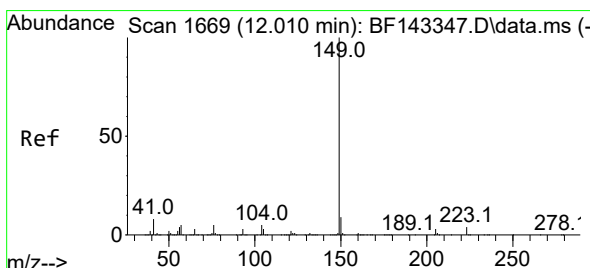
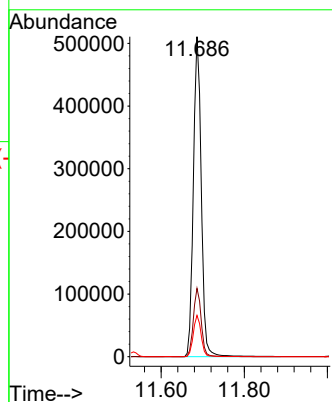
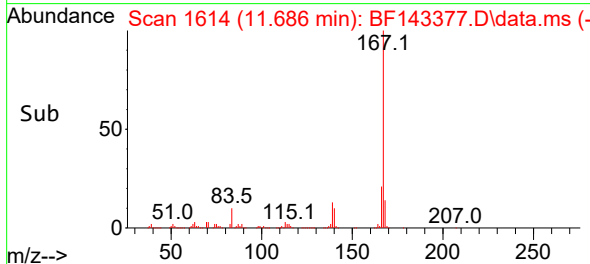
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



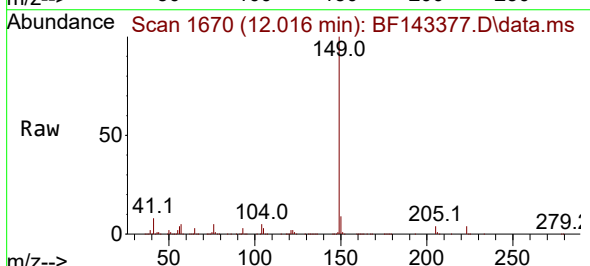
Tgt Ion:167 Resp: 67288
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.8 25.2
 139 12.9 10.2 15.2

Manual Integrations
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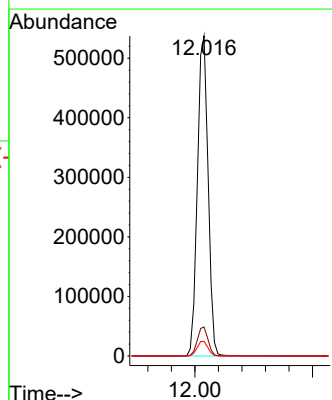
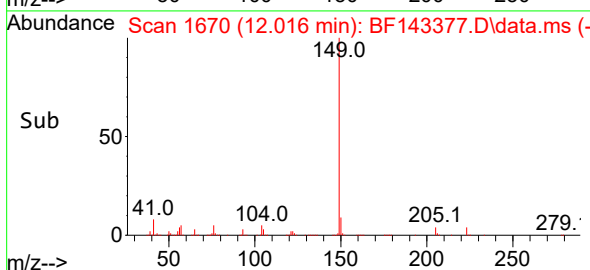
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

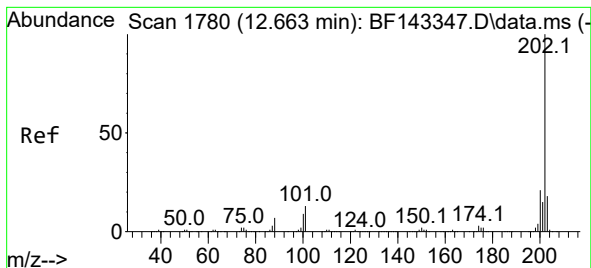


#74
 Di-n-butylphthalate
 Concen: 41.959 ng
 RT: 12.016 min Scan# 1670
 Delta R.T. 0.006 min
 Lab File: BF143377.D
 Acq: 14 Aug 2025 12:55



Tgt Ion:149 Resp: 677330
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 4.6 3.8 5.8





#75

Fluoranthene

Concen: 35.965 ng

RT: 12.674 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

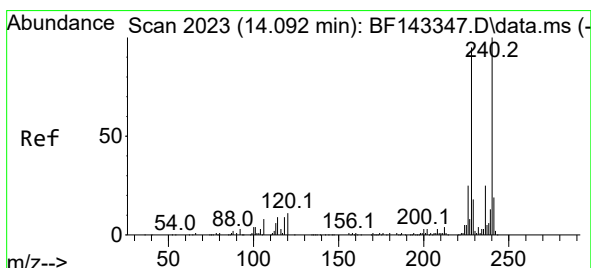
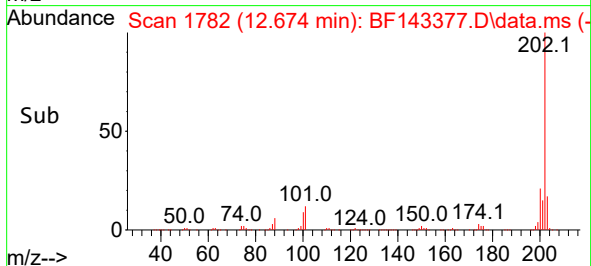
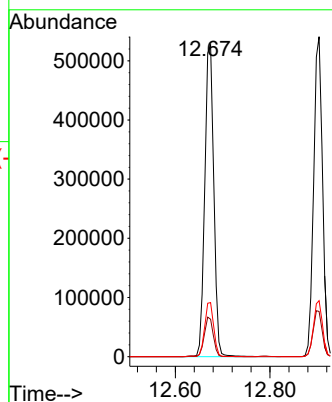
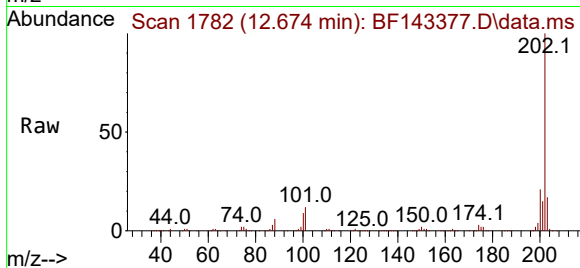
SSTDCCC040

Tgt Ion:202 Resp: 69583
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 33.2
 203 17.3 0.0 37.6

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#76

Chrysene-d12

Concen: 20.000 ng

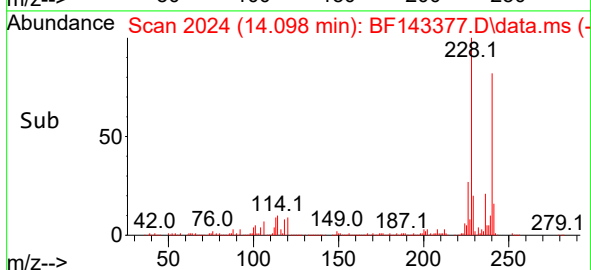
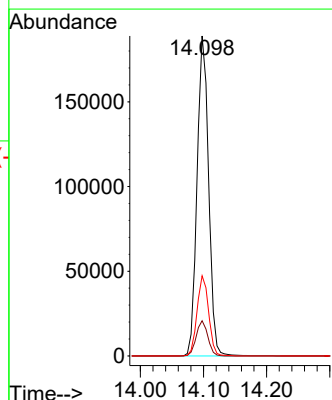
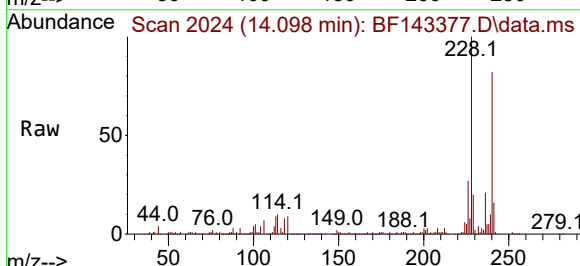
RT: 14.098 min Scan# 2024

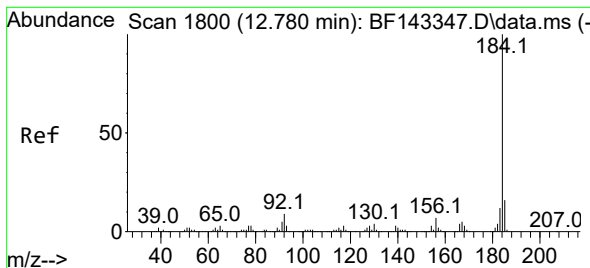
Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Tgt Ion:240 Resp: 239234
 Ion Ratio Lower Upper
 240 100
 120 11.0 9.0 13.6
 236 25.1 19.9 29.9





#77

Benzidine

Concen: 39.317 ng

RT: 12.786 min Scan# 1800

Delta R.T. 0.006 min

Lab File: BF143377.D

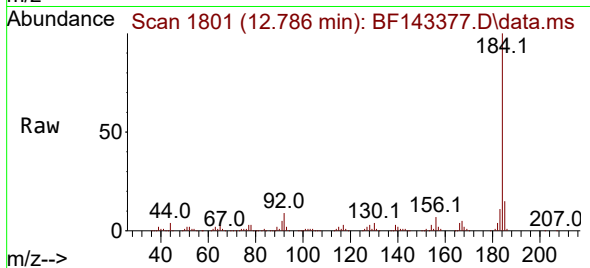
Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:184 Resp: 25715

Ion Ratio Lower Upper

184 100

185 14.9 12.8 19.2

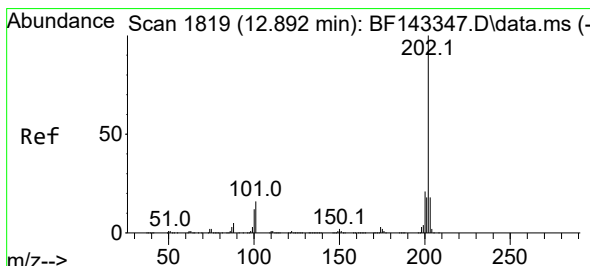
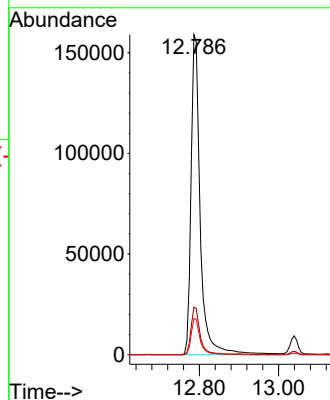
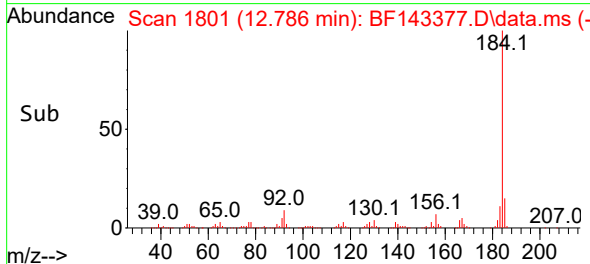
183 11.3 9.3 13.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#78

Pyrene

Concen: 35.069 ng

RT: 12.904 min Scan# 1821

Delta R.T. 0.012 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

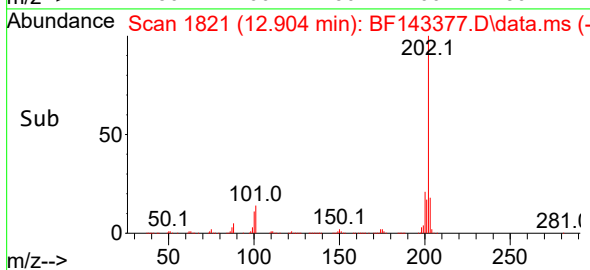
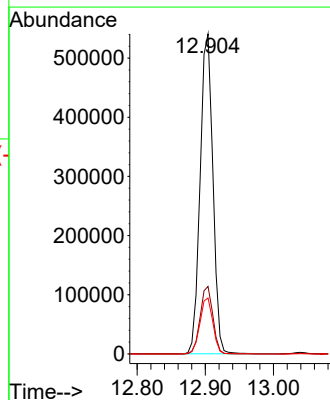
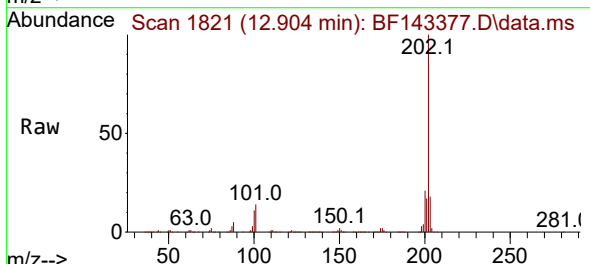
Tgt Ion:202 Resp: 703812

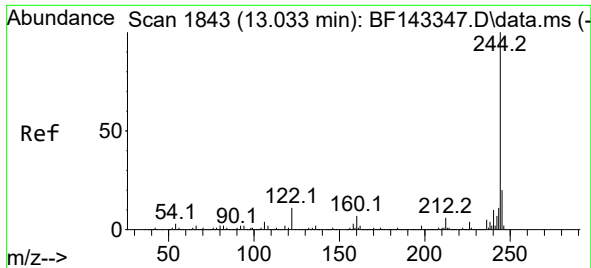
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

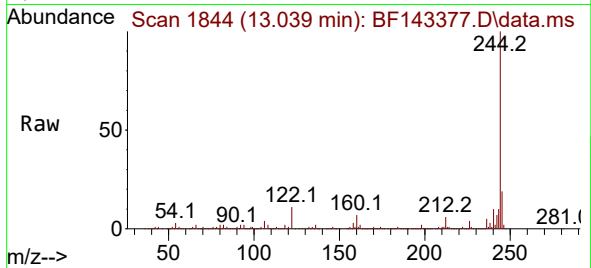
203 17.5 14.2 21.4





#79
Terphenyl-d14
Concen: 73.338 ng
RT: 13.039 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

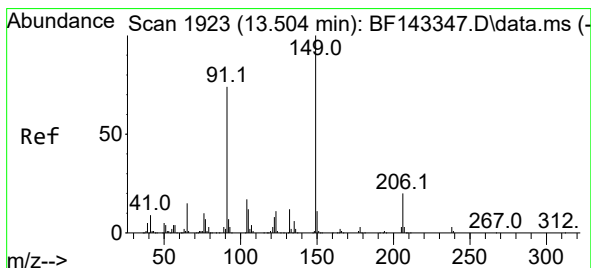
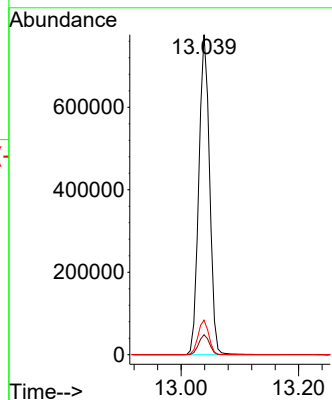
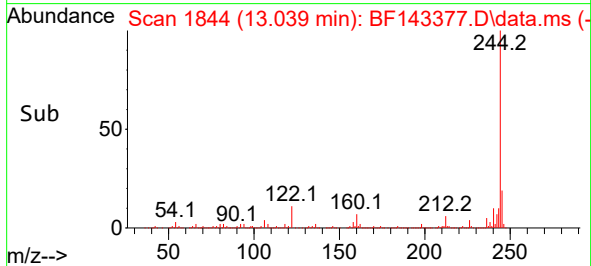
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



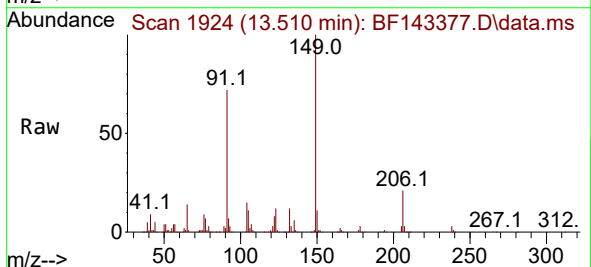
Tgt Ion:244 Resp: 98272
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 10.8 8.9 13.3

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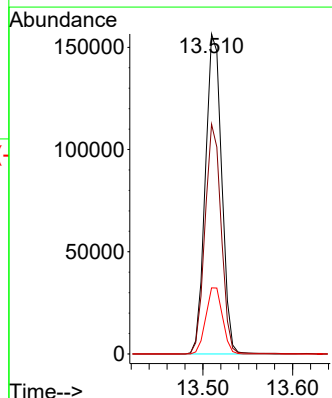
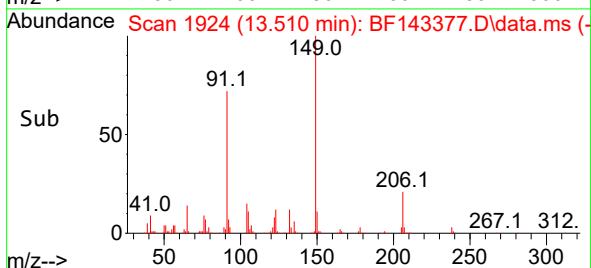
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

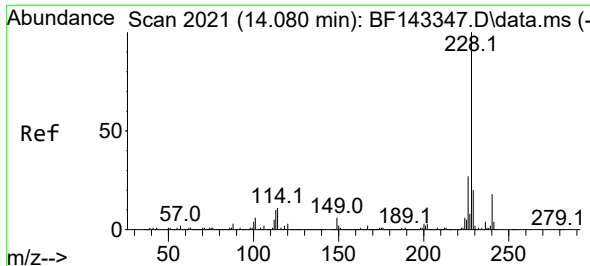


#80
Butylbenzylphthalate
Concen: 49.838 ng
RT: 13.510 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



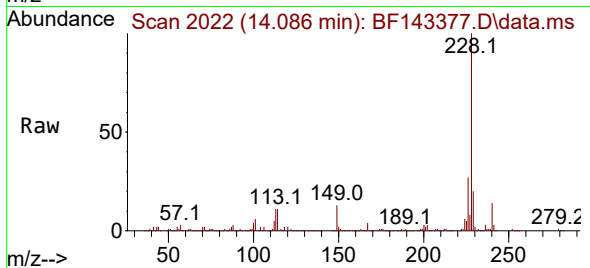
Tgt Ion:149 Resp: 198206
Ion Ratio Lower Upper
149 100
91 71.8 58.8 88.2
206 20.6 16.4 24.6





#81
Benzo(a)anthracene
Concen: 37.867 ng
RT: 14.086 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

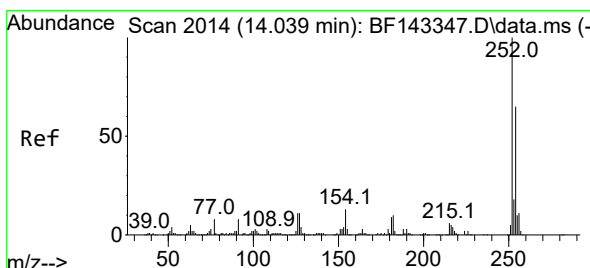
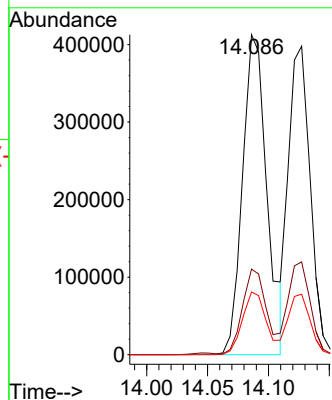
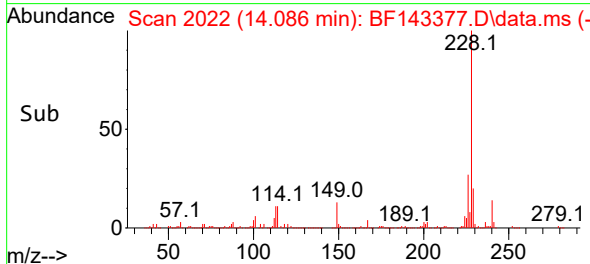
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 57579
Ion Ratio Lower Upper
228 100
226 26.7 22.0 33.0
229 19.6 15.8 23.8

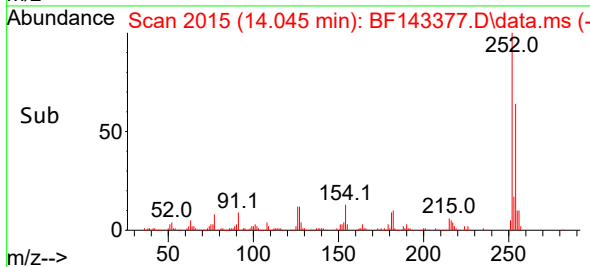
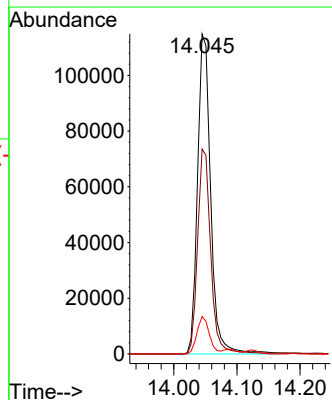
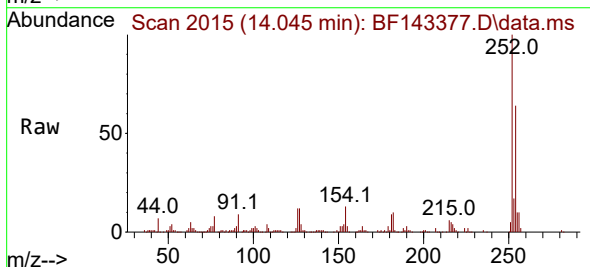
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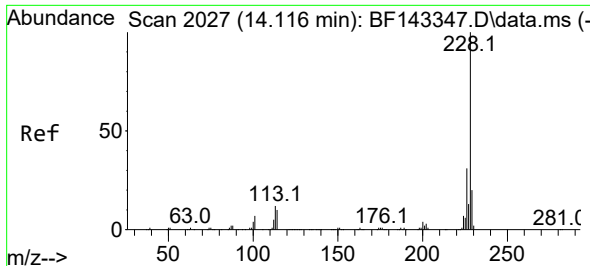
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#82
3,3'-Dichlorobenzidine
Concen: 40.349 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

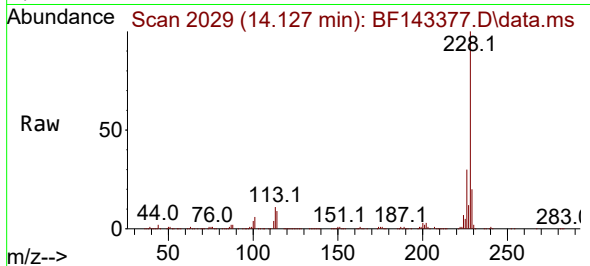
Tgt Ion:252 Resp: 165667
Ion Ratio Lower Upper
252 100
254 64.1 51.7 77.5
126 11.7 9.2 13.8





#83
Chrysene
Concen: 35.052 ng
RT: 14.127 min Scan# 2027
Delta R.T. 0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

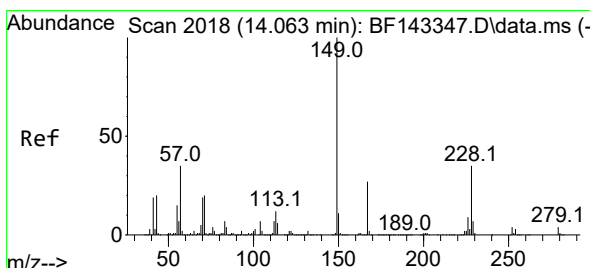
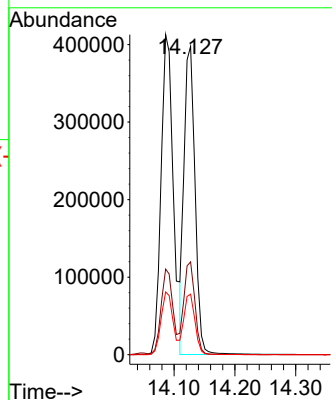
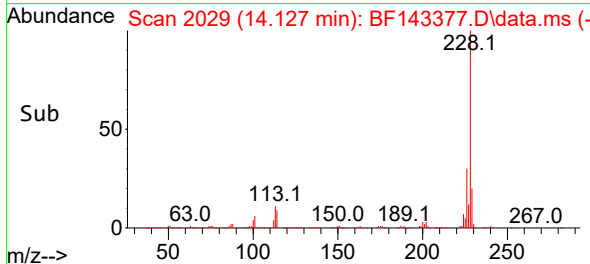
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



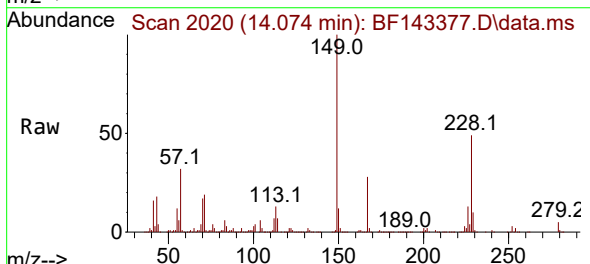
Tgt Ion:228 Resp: 496979
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 19.6 15.8 23.6

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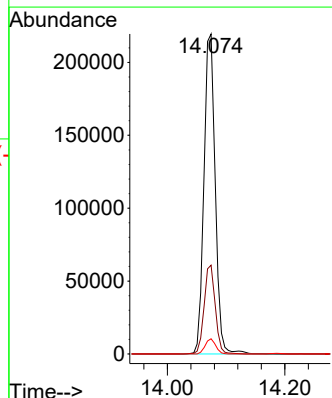
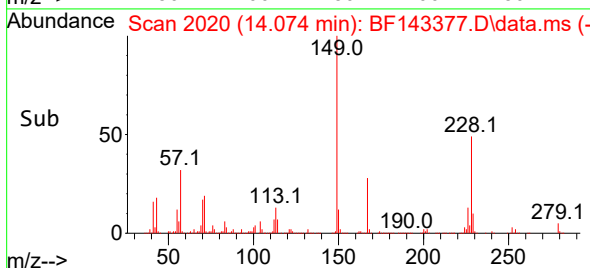
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

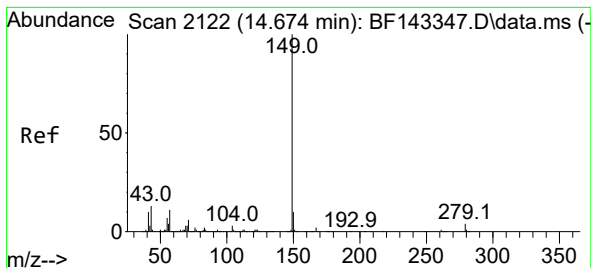


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.177 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.011 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



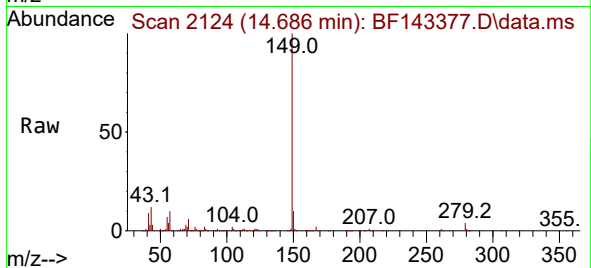
Tgt Ion:149 Resp: 293859
Ion Ratio Lower Upper
149 100
167 27.8 21.4 32.0
279 4.8 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 47.599 ng
RT: 14.686 min Scan# 2122
Delta R.T. 0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

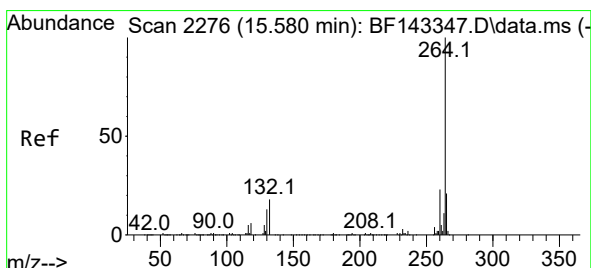
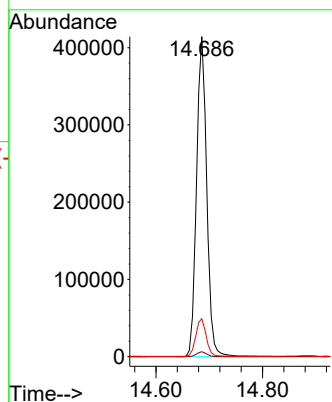
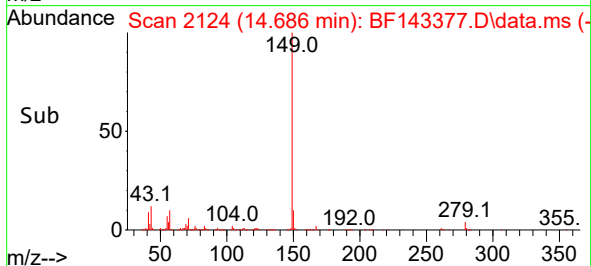
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



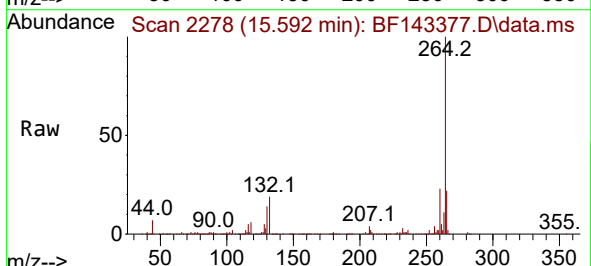
Tgt Ion:149 Resp: 552169
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.0 10.8 16.2

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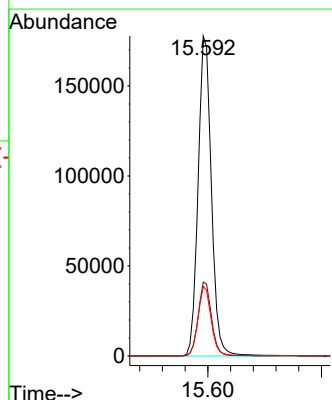
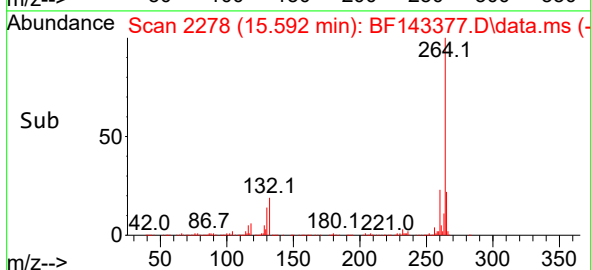
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

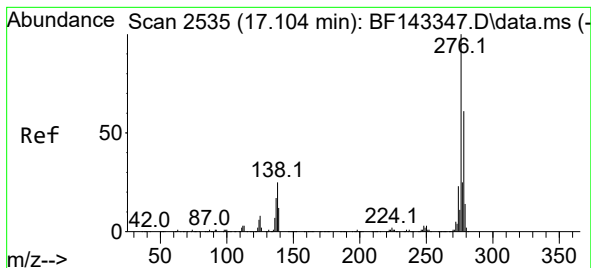


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. 0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion:264 Resp: 289673
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.525 ng

RT: 17.121 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 820270

Ion Ratio Lower Upper

276 100

138 25.8 21.1 31.7

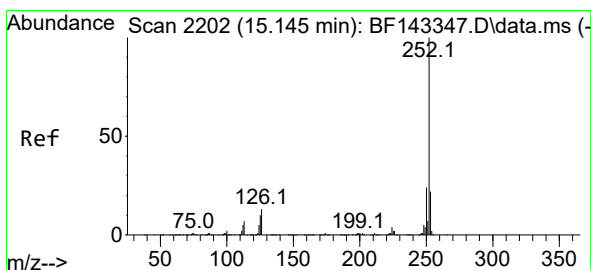
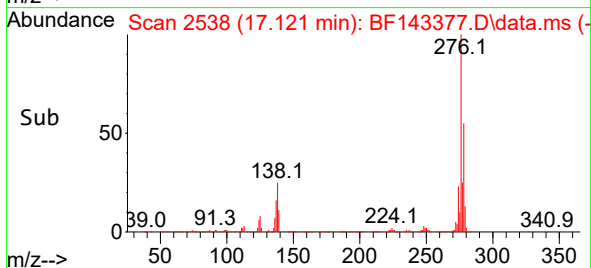
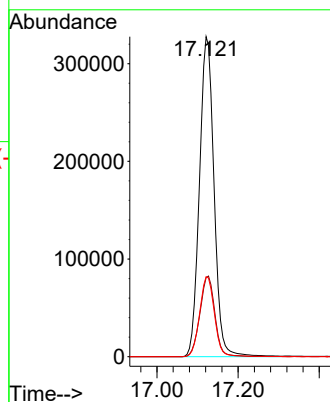
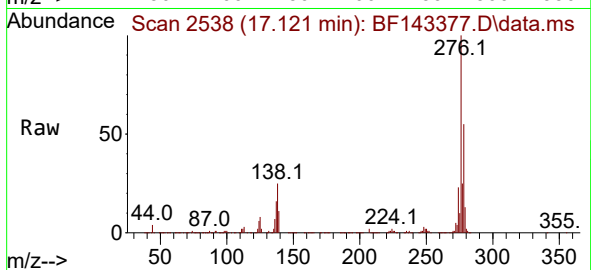
277 25.2 20.2 30.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 36.925 ng

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

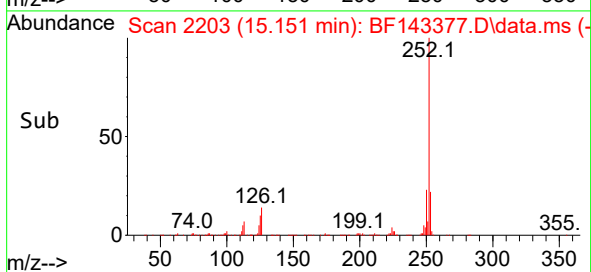
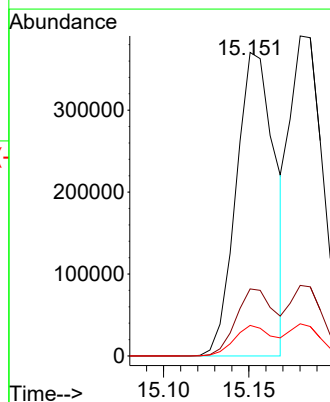
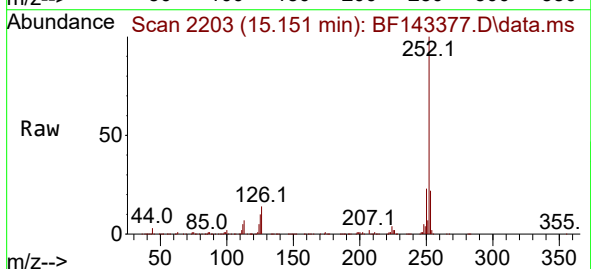
Tgt Ion:252 Resp: 585035

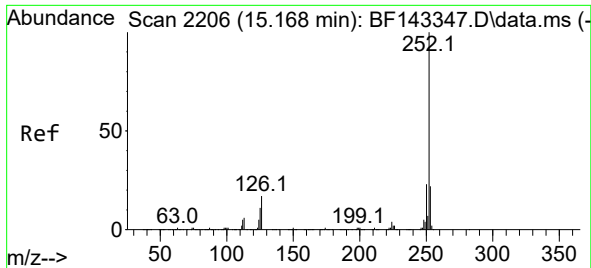
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

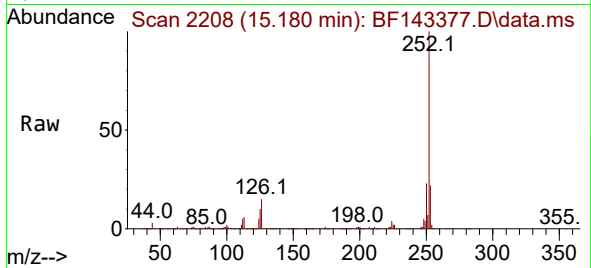
125 10.1 7.8 11.6





#89
Benzo(k)fluoranthene
Concen: 34.980 ng
RT: 15.180 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

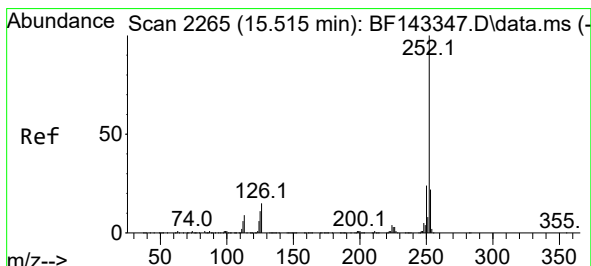
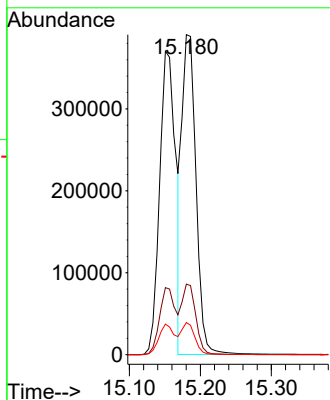
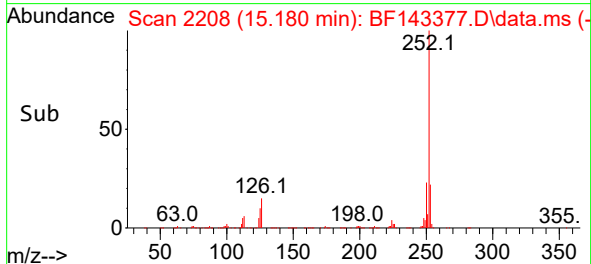
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



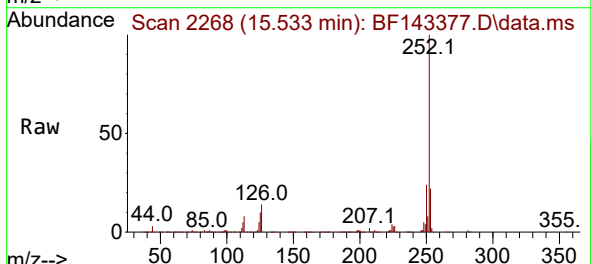
Tgt Ion:252 Resp: 53853
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 10.1 8.4 12.6

Manual Integrations
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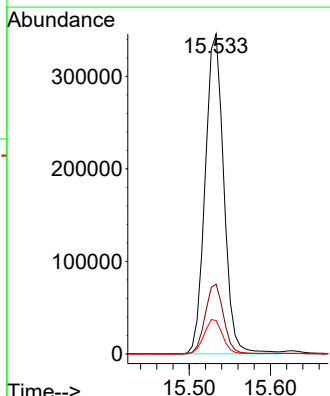
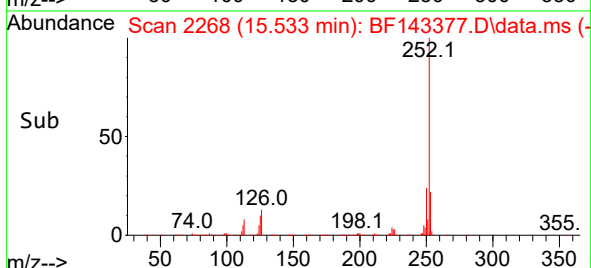
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

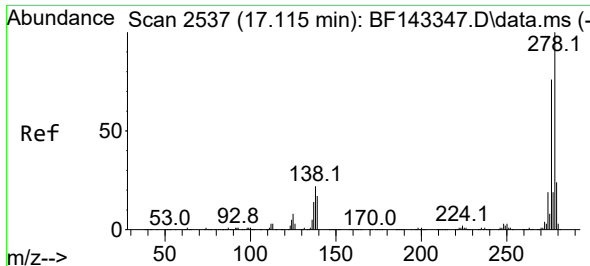


#90
Benzo(a)pyrene
Concen: 36.867 ng
RT: 15.533 min Scan# 2268
Delta R.T. 0.018 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



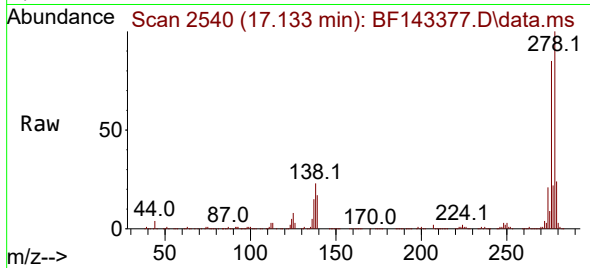
Tgt Ion:252 Resp: 550144
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 10.5 9.1 13.7





#91
Dibenzo(a,h)anthracene
Concen: 39.667 ng
RT: 17.133 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

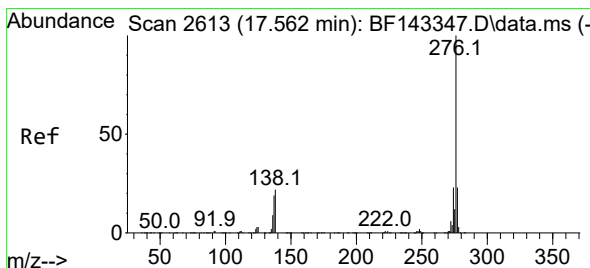
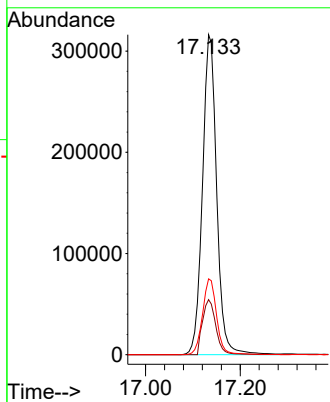
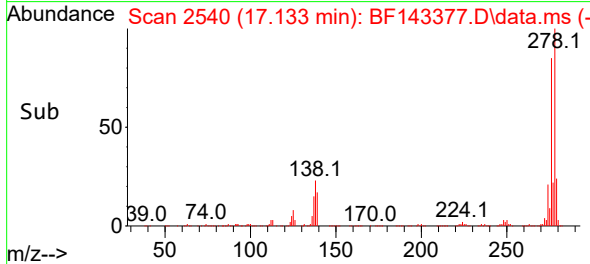
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



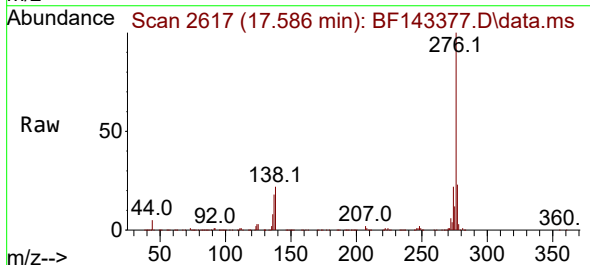
Tgt Ion:278 Resp: 657670
Ion Ratio Lower Upper
278 100
139 17.2 14.0 21.0
279 23.7 19.4 29.0

Manual Integrations
APPROVED

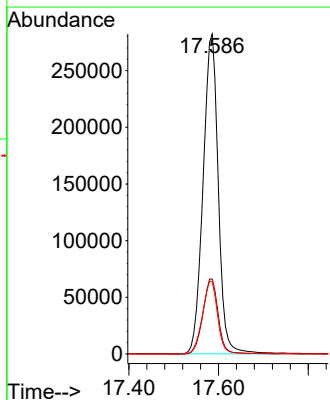
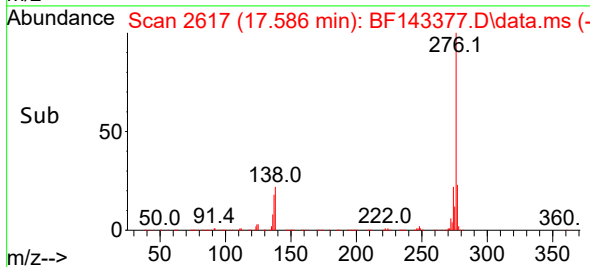
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 39.657 ng
RT: 17.586 min Scan# 2617
Delta R.T. 0.023 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion:276 Resp: 662349
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 22.5 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143377.D
 Acq On : 14 Aug 2025 12:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 14 13:16:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
2	1,4-Dioxane	0.598	0.534	10.7	76	-0.02
3	Pyridine	1.595	1.442	9.6	76	-0.01
4	n-Nitrosodimethylamine	0.743	0.655	11.8	74	-0.02
5 S	2-Fluorophenol	1.157	1.082	6.5	78	0.00
6	Aniline	2.091	1.853	11.4	75	0.00
7 S	Phenol-d6	1.483	1.334	10.0	76	0.00
8	2-Chlorophenol	1.236	1.180	4.5	80	0.00
9	Benzaldehyde	0.980	0.816	16.7	69	0.00
10 C	Phenol	1.757	1.596	9.2	76	0.00
11	bis(2-Chloroethyl)ether	1.295	1.166	10.0	76	0.00
12	1,3-Dichlorobenzene	1.425	1.289	9.5	77	0.00
13 C	1,4-Dichlorobenzene	1.431	1.287	10.1	78	0.00
14	1,2-Dichlorobenzene	1.358	1.237	8.9	78	0.00
15	Benzyl Alcohol	1.063	0.991	6.8	78	0.00
16	2,2'-oxybis(1-Chloropropane	2.312	2.091	9.6	77	0.00
17	2-Methylphenol	1.043	0.949	9.0	76	0.00
18	Hexachloroethane	0.449	0.440	2.0	81	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.800	12.7	75	0.00
20	3+4-Methylphenols	1.262	1.160	8.1	77	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	83	0.00
22	Acetophenone	0.441	0.392	11.1	76	0.00
23 S	Nitrobenzene-d5	0.321	0.317	1.2	78	0.00
24	Nitrobenzene	0.349	0.332	4.9	77	0.00
25	Isophorone	0.656	0.580	11.6	74	0.00
26 C	2-Nitrophenol	0.118	0.153	-29.7#	100	0.00
27	2,4-Dimethylphenol	0.274	0.261	4.7	77	0.00
28	bis(2-Chloroethoxy)methane	0.400	0.364	9.0	76	0.00
29 C	2,4-Dichlorophenol	0.267	0.259	3.0	78	0.00
30	1,2,4-Trichlorobenzene	0.282	0.264	6.4	79	0.00
31	Naphthalene	0.962	0.877	8.8	77	0.00
32	Benzoic acid	0.110	0.123	-11.8	95	0.00
33	4-Chloroaniline	0.347	0.315	9.2	76	0.00
34 C	Hexachlorobutadiene	0.175	0.167	4.6	79	0.00
35	Caprolactam	0.075	0.070	6.7	74	0.00
36 C	4-Chloro-3-methylphenol	0.280	0.260	7.1	75	0.00
37	2-Methylnaphthalene	0.633	0.574	9.3	76	0.00
38	1-Methylnaphthalene	0.609	0.553	9.2	77	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	82	0.00
40	1,2,4,5-Tetrachlorobenzene	0.547	0.518	5.3	78	0.00
41 P	Hexachlorocyclopentadiene	0.158	0.217	-37.3#	106	0.00
42 S	2,4,6-Tribromophenol	0.146	0.152	-4.1	78	0.00
43 C	2,4,6-Trichlorophenol	0.311	0.317	-1.9	78	0.00
44	2,4,5-Trichlorophenol	0.351	0.345	1.7	75	0.00
45 S	2-Fluorobiphenyl	1.179	1.078	8.6	78	0.00
46	1,1'-Biphenyl	1.414	1.284	9.2	76	0.00
47	2-Chloronaphthalene	1.114	1.016	8.8	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143377.D
 Acq On : 14 Aug 2025 12:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 14 13:16:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.284	0.307	-8.1	82	0.00
49	Acenaphthylene	1.608	1.452	9.7	75	0.00
50	Dimethylphthalate	1.169	1.069	8.6	74	0.00
51	2,6-Dinitrotoluene	0.193	0.216	-11.9	83	0.00
52 C	Acenaphthene	1.069	0.959	10.3	75	0.00
53	3-Nitroaniline	0.239	0.244	-2.1	77	0.00
54 P	2,4-Dinitrophenol	0.065	0.067	-3.1	83	0.00
55	Dibenzofuran	1.539	1.389	9.7	75	0.00
56 P	4-Nitrophenol	0.163	0.141	13.5	67	0.00
57	2,4-Dinitrotoluene	0.256	0.288	-12.5	82	0.00
58	Fluorene	1.175	1.047	10.9	75	0.00
59	2,3,4,6-Tetrachlorophenol	0.236	0.250	-5.9	80	0.00
60	Diethylphthalate	1.047	0.969	7.4	74	0.00
61	4-Chlorophenyl-phenylether	0.568	0.517	9.0	75	0.00
62	4-Nitroaniline	0.232	0.219	5.6	72	0.00
63	Azobenzene	1.196	1.059	11.5	73	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	78	0.00
65	4,6-Dinitro-2-methylphenol	0.069	0.086	-24.6	95	0.00
66 c	n-Nitrosodiphenylamine	0.659	0.616	6.5	73	0.00
67	4-Bromophenyl-phenylether	0.229	0.220	3.9	74	0.00
68	Hexachlorobenzene	0.247	0.231	6.5	74	0.00
69	Atrazine	0.172	0.167	2.9	73	0.00
70 C	Pentachlorophenol	0.101	0.093	7.9	67	0.00
71	Phenanthrene	1.091	0.999	8.4	72	0.00
72	Anthracene	1.107	1.018	8.0	73	0.00
73	Carbazole	0.942	0.831	11.8	70	0.00
74	Di-n-butylphthalate	0.798	0.837	-4.9	76	0.00
75 C	Fluoranthene	0.956	0.859	10.1	73	0.01
76 I	Chrysene-d12	1.000	1.000	0.0	82	0.00
77	Benzydine	0.547	0.537	1.8	75	0.00
78	Pyrene	1.678	1.471	12.3	73	0.01
79 S	Terphenyl-d14	1.120	1.027	8.3	78	0.00
80	Butylbenzylphthalate	0.284	0.414	-45.8#	113	0.00
81	Benzo(a)anthracene	1.271	1.203	5.4	79	0.00
82	3,3'-Dichlorobenzidine	0.343	0.346	-0.9	78	0.00
83	Chrysene	1.185	1.039	12.3	73	0.01
84	Bis(2-ethylhexyl)phthalate	0.403	0.614	-52.4#	115	0.01
85 c	Di-n-octyl phthalate	0.860	1.154	-34.2#	107	0.01
86 I	Perylene-d12	1.000	1.000	0.0	88	0.01
87	Indeno(1,2,3-cd)pyrene	1.433	1.416	1.2	86	0.02
88	Benzo(b)fluoranthene	1.094	1.010	7.7	80	0.00
89	Benzo(k)fluoranthene	1.063	0.930	12.5	79	0.01
90 C	Benzo(a)pyrene	1.030	0.950	7.8	81	0.02
91	Dibenzo(a,h)anthracene	1.145	1.135	0.9	86	0.02
92	Benzo(g,h,i)perylene	1.153	1.143	0.9	86	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143377.D
Acq On : 14 Aug 2025 12:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 13:16:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143377.D
Acq On : 14 Aug 2025 12:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 13:16:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	85	0.00
2	1,4-Dioxane	40.000	35.666	10.8	76	-0.02
3	Pyridine	40.000	36.179	9.6	76	-0.01
4	n-Nitrosodimethylamine	40.000	35.267	11.8	74	-0.02
5 S	2-Fluorophenol	80.000	74.863	6.4	78	0.00
6	Aniline	40.000	35.450	11.4	75	0.00
7 S	Phenol-d6	80.000	71.941	10.1	76	0.00
8	2-Chlorophenol	40.000	38.182	4.5	80	0.00
9	Benzaldehyde	40.000	33.310	16.7	69	0.00
10 C	Phenol	40.000	36.326	9.2	76	0.00
11	bis(2-Chloroethyl)ether	40.000	36.022	9.9	76	0.00
12	1,3-Dichlorobenzene	40.000	36.162	9.6	77	0.00
13 C	1,4-Dichlorobenzene	40.000	35.973	10.1	78	0.00
14	1,2-Dichlorobenzene	40.000	36.440	8.9	78	0.00
15	Benzyl Alcohol	40.000	37.284	6.8	78	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.174	9.6	77	0.00
17	2-Methylphenol	40.000	36.403	9.0	76	0.00
18	Hexachloroethane	40.000	39.214	2.0	81	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	34.908	12.7	75	0.00
20	3+4-Methylphenols	40.000	36.775	8.1	77	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	83	0.00
22	Acetophenone	40.000	35.580	11.1	76	0.00
23 S	Nitrobenzene-d5	80.000	79.025	1.2	78	0.00
24	Nitrobenzene	40.000	38.049	4.9	77	0.00
25	Isophorone	40.000	35.357	11.6	74	0.00
26 C	2-Nitrophenol	40.000	44.009	-10.0	100	0.00
27	2,4-Dimethylphenol	40.000	38.155	4.6	77	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.418	9.0	76	0.00
29 C	2,4-Dichlorophenol	40.000	38.736	3.2	78	0.00
30	1,2,4-Trichlorobenzene	40.000	37.448	6.4	79	0.00
31	Naphthalene	40.000	36.447	8.9	77	0.00
32	Benzoic acid	40.000	43.135	-7.8	95	0.00
33	4-Chloroaniline	40.000	36.287	9.3	76	0.00
34 C	Hexachlorobutadiene	40.000	38.164	4.6	79	0.00
35	Caprolactam	40.000	37.353	6.6	74	0.00
36 C	4-Chloro-3-methylphenol	40.000	37.191	7.0	75	0.00
37	2-Methylnaphthalene	40.000	36.276	9.3	76	0.00
38	1-Methylnaphthalene	40.000	36.308	9.2	77	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	82	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.871	5.3	78	0.00
41 P	Hexachlorocyclopentadiene	40.000	47.813	-19.5	106	0.00
42 S	2,4,6-Tribromophenol	80.000	83.174	-4.0	78	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.834	-2.1	78	0.00
44	2,4,5-Trichlorophenol	40.000	39.301	1.7	75	0.00
45 S	2-Fluorobiphenyl	80.000	73.114	8.6	78	0.00
46	1,1'-Biphenyl	40.000	36.312	9.2	76	0.00
47	2-Chloronaphthalene	40.000	36.485	8.8	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143377.D
Acq On : 14 Aug 2025 12:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 13:16:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	38.835	2.9	82	0.00
49	Acenaphthylene	40.000	36.100	9.7	75	0.00
50	Dimethylphthalate	40.000	36.590	8.5	74	0.00
51	2,6-Dinitrotoluene	40.000	39.683	0.8	83	0.00
52 C	Acenaphthene	40.000	35.890	10.3	75	0.00
53	3-Nitroaniline	40.000	40.760	-1.9	77	0.00
54 P	2,4-Dinitrophenol	40.000	39.881	0.3	83	0.00
55	Dibenzofuran	40.000	36.113	9.7	75	0.00
56 P	4-Nitrophenol	40.000	33.008	17.5	67	0.00
57	2,4-Dinitrotoluene	40.000	39.758	0.6	82	0.00
58	Fluorene	40.000	35.641	10.9	75	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.309	-5.8	80	0.00
60	Diethylphthalate	40.000	37.031	7.4	74	0.00
61	4-Chlorophenyl-phenylether	40.000	36.416	9.0	75	0.00
62	4-Nitroaniline	40.000	37.855	5.4	72	0.00
63	Azobenzene	40.000	35.414	11.5	73	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	78	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.506	-8.8	95	0.00
66 c	n-Nitrosodiphenylamine	40.000	37.389	6.5	73	0.00
67	4-Bromophenyl-phenylether	40.000	38.474	3.8	74	0.00
68	Hexachlorobenzene	40.000	37.395	6.5	74	0.00
69	Atrazine	40.000	38.979	2.6	73	0.00
70 C	Pentachlorophenol	40.000	34.523	13.7	67	0.00
71	Phenanthrene	40.000	36.618	8.5	72	0.00
72	Anthracene	40.000	36.786	8.0	73	0.00
73	Carbazole	40.000	35.273	11.8	70	0.00
74	Di-n-butylphthalate	40.000	41.959	-4.9	76	0.00
75 C	Fluoranthene	40.000	35.965	10.1	73	0.01
76 I	Chrysene-d12	20.000	20.000	0.0	82	0.00
77	Benzydine	40.000	39.317	1.7	75	0.00
78	Pyrene	40.000	35.069	12.3	73	0.01
79 S	Terphenyl-d14	80.000	73.338	8.3	78	0.00
80	Butylbenzylphthalate	40.000	49.838	-24.6	113	0.00
81	Benzo(a)anthracene	40.000	37.867	5.3	79	0.00
82	3,3'-Dichlorobenzidine	40.000	40.349	-0.9	78	0.00
83	Chrysene	40.000	35.052	12.4	73	0.01
84	Bis(2-ethylhexyl)phthalate	40.000	50.177	-25.4#	115	0.01
85 c	Di-n-octyl phthalate	40.000	47.599	-19.0	107	0.01
86 I	Perylene-d12	20.000	20.000	0.0	88	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	39.525	1.2	86	0.02
88	Benzo(b)fluoranthene	40.000	36.925	7.7	80	0.00
89	Benzo(k)fluoranthene	40.000	34.980	12.6	79	0.01
90 C	Benzo(a)pyrene	40.000	36.867	7.8	81	0.02
91	Dibenzo(a,h)anthracene	40.000	39.667	0.8	86	0.02
92	Benzo(g,h,i)perylene	40.000	39.657	0.9	86	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143377.D
Acq On : 14 Aug 2025 12:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 13:16:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/14/2025</u> <u>22:56</u>
Lab File ID:	<u>BF143397.D</u>	Init. Calib. Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>09:03</u> <u>12:38</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	1.058		-8.6	50.0
Benzaldehyde	0.980	0.800		-18.4	50.0
Phenol-d6	1.483	1.303		-12.1	50.0
Phenol	1.757	1.555		-11.5	50.0
bis(2-Chloroethyl)ether	1.295	1.146		-11.5	50.0
2-Chlorophenol	1.236	1.153		-6.7	50.0
2-Methylphenol	1.043	0.925		-11.3	50.0
2,2-oxybis(1-Chloropropane)	2.312	1.951		-15.6	50.0
Acetophenone	0.441	0.384		-12.9	50.0
3+4-Methylphenols	1.262	1.110		-12.0	50.0
n-Nitroso-di-n-propylamine	0.916	0.769	0.050	-16.0	50.0
Nitrobenzene-d5	0.321	0.312		-2.8	50.0
Hexachloroethane	0.449	0.437		-2.7	50.0
Nitrobenzene	0.349	0.330		-5.4	50.0
Isophorone	0.656	0.566		-13.7	50.0
2-Nitrophenol	0.118	0.157		33.1	50.0
2,4-Dimethylphenol	0.274	0.259		-5.5	50.0
bis(2-Chloroethoxy)methane	0.400	0.358		-10.5	50.0
2,4-Dichlorophenol	0.267	0.258		-3.4	50.0
Naphthalene	0.962	0.866		-10.0	50.0
4-Chloroaniline	0.347	0.307		-11.5	50.0
Hexachlorobutadiene	0.175	0.170		-2.9	50.0
Caprolactam	0.075	0.068		-9.3	50.0
4-Chloro-3-methylphenol	0.280	0.248		-11.4	50.0
2-Methylnaphthalene	0.633	0.559		-11.7	50.0
Hexachlorocyclopentadiene	0.158	0.234	0.050	48.1	50.0
2,4,6-Trichlorophenol	0.311	0.325		4.5	50.0
2-Fluorobiphenyl	1.179	1.101		-6.6	50.0
2,4,5-Trichlorophenol	0.351	0.345		-1.7	50.0
1,1-Biphenyl	1.414	1.321		-6.6	50.0
2-Chloronaphthalene	1.114	1.043		-6.4	50.0
2-Nitroaniline	0.284	0.307		8.1	50.0
Dimethylphthalate	1.169	1.100		-5.9	50.0
Acenaphthylene	1.608	1.471		-8.5	50.0
2,6-Dinitrotoluene	0.193	0.223		15.5	50.0
3-Nitroaniline	0.239	0.245		2.5	50.0
Acenaphthene	1.069	0.974		-8.9	50.0
2,4-Dinitrophenol	0.065	0.057	0.050	-12.3	50.0
4-Nitrophenol	0.163	0.127	0.050	-22.1	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/14/2025 22:56</u>
Lab File ID:	<u>BF143397.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>09:03 12:38</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18 (mm)</u>

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.389		-9.7	50.0
2,4-Dinitrotoluene	0.256	0.287		12.1	50.0
Diethylphthalate	1.047	0.965		-7.8	50.0
4-Chlorophenyl-phenylether	0.568	0.515		-9.3	50.0
Fluorene	1.175	1.031		-12.3	50.0
4-Nitroaniline	0.232	0.210		-9.5	50.0
4,6-Dinitro-2-methylphenol	0.069	0.086		24.6	50.0
n-Nitrosodiphenylamine	0.659	0.630		-4.4	50.0
2,4,6-Tribromophenol	0.146	0.147		0.7	50.0
4-Bromophenyl-phenylether	0.229	0.228		-0.4	50.0
Hexachlorobenzene	0.247	0.235		-4.9	50.0
Atrazine	0.172	0.175		1.7	50.0
Pentachlorophenol	0.101	0.088		-12.9	50.0
Phenanthrene	1.091	0.981		-10.1	50.0
Anthracene	1.107	1.007		-9.0	50.0
Carbazole	0.942	0.804		-14.6	50.0
Di-n-butylphthalate	0.798	0.850		6.5	50.0
Fluoranthene	0.956	0.830		-13.2	50.0
Pyrene	1.678	1.297		-22.7	50.0
Terphenyl-d14	1.120	0.893		-20.3	50.0
Butylbenzylphthalate	0.284	0.418		47.2	50.0
3,3-Dichlorobenzidine	0.343	0.382		11.4	50.0
Benzo (a) anthracene	1.271	1.136		-10.6	50.0
Chrysene	1.185	1.089		-8.1	50.0
Bis (2-ethylhexyl) phthalate	0.403	0.627		55.6	50.0
Di-n-octyl phthalate	0.860	1.239		44.1	50.0
Benzo (b) fluoranthene	1.094	1.038		-5.1	50.0
Benzo (k) fluoranthene	1.063	0.872		-18.0	50.0
Benzo (a) pyrene	1.030	0.941		-8.6	50.0
Indeno (1,2,3-cd) pyrene	1.433	1.339		-6.6	50.0
Dibenzo (a,h) anthracene	1.145	1.088		-5.0	50.0
Benzo (g,h,i) perylene	1.153	1.069		-7.3	50.0
1,2,4,5-Tetrachlorobenzene	0.547	0.529		-3.3	50.0
1,4-Dioxane	0.598	0.517		-13.5	50.0
2,3,4,6-Tetrachlorophenol	0.236	0.235		-0.4	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143397.D
 Acq On : 14 Aug 2025 22:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 15 01:35:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	152105	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	563232	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	277841	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	378614	20.000	ng	0.00
76) Chrysene-d12	14.098	240	246790	20.000	ng	0.00
86) Perylene-d12	15.592	264	345291	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	643911	73.205	ng	0.00
7) Phenol-d6	6.563	99	792527	70.261	ng	0.00
23) Nitrobenzene-d5	7.493	82	702587	77.681	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	163924	80.730	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1223203	74.656	ng	0.00
79) Terphenyl-d14	13.039	244	881305	63.756	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.734	88	157177	34.533	ng	98
3) Pyridine	3.516	79	421075	34.717	ng	99
4) n-Nitrosodimethylamine	3.457	42	195742	34.645	ng	99
6) Aniline	6.598	93	543387	34.171	ng	98
8) 2-Chlorophenol	6.722	128	350779	37.322	ng	97
9) Benzaldehyde	6.487	77	243421	32.651	ng	98
10) Phenol	6.581	94	472975	35.396	ng	96
11) bis(2-Chloroethyl)ether	6.663	93	348679	35.405	ng	99
12) 1,3-Dichlorobenzene	6.875	146	388534	35.839	ng	100
13) 1,4-Dichlorobenzene	6.951	146	391006	35.936	ng	99
14) 1,2-Dichlorobenzene	7.104	146	370583	35.880	ng	99
15) Benzyl Alcohol	7.075	79	295961	36.604	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.204	45	593645	33.764	ng	99
17) 2-Methylphenol	7.187	107	281294	35.456	ng	99
18) Hexachloroethane	7.445	117	132838	38.942	ng	99
19) n-Nitroso-di-n-propyla...	7.340	70	233943	33.566	ng	99
20) 3+4-Methylphenols	7.340	107	337641	35.190	ng	97
22) Acetophenone	7.340	105	432509	34.852	ng	97
24) Nitrobenzene	7.510	77	372258	37.898	ng	98
25) Isophorone	7.751	82	637222	34.512	ng	100
26) 2-Nitrophenol	7.828	139	177089	45.217	ng	100
27) 2,4-Dimethylphenol	7.863	122	291775m	37.878	ng	
28) bis(2-Chloroethoxy)met...	7.957	93	402907	35.741	ng	99
29) 2,4-Dichlorophenol	8.075	162	290315	38.587	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	294443	37.101	ng	99
31) Naphthalene	8.240	128	975346	35.988	ng	99
32) Benzoic acid	7.975	122	128968	40.763	ng	97
33) 4-Chloroaniline	8.281	127	345847	35.380	ng	100
34) Hexachlorobutadiene	8.357	225	191788	38.848	ng	99
35) Caprolactam	8.640	113	76776	36.300	ng	100
36) 4-Chloro-3-methylphenol	8.763	107	278956	35.367	ng	97
37) 2-Methylnaphthalene	8.928	142	629467	35.329	ng	100
38) 1-Methylnaphthalene	9.028	142	594152	34.624	ng	100
40) 1,2,4,5-Tetrachloroben...	9.098	216	294195	38.695	ng	100
41) Hexachlorocyclopentadiene	9.087	237	129924	51.058	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	180656	41.879	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143397.D
 Acq On : 14 Aug 2025 22:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 15 01:35:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

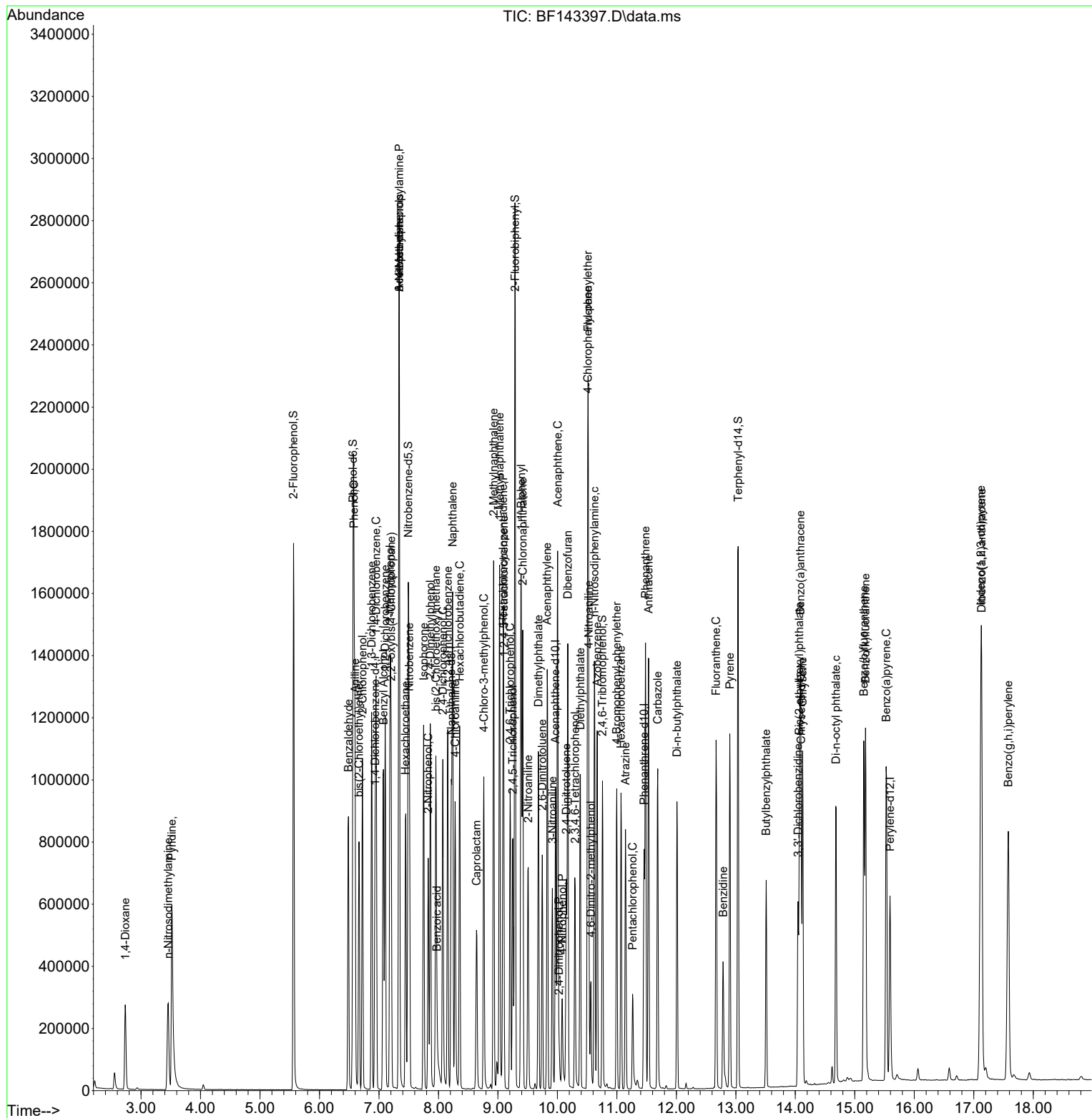
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	191510	39.313	ng	98
46) 1,1'-Biphenyl	9.392	154	734155	37.371	ng	99
47) 2-Chloronaphthalene	9.416	162	579598	37.462	ng	99
48) 2-Nitroaniline	9.510	65	170708	38.817	ng	96
49) Acenaphthylene	9.828	152	817159	36.573	ng	100
50) Dimethylphthalate	9.681	163	611502	37.666	ng	100
51) 2,6-Dinitrotoluene	9.745	165	123848	40.788	ng	94
52) Acenaphthene	10.004	154	541033	36.423	ng	99
53) 3-Nitroaniline	9.916	138	136382	41.020	ng	96
54) 2,4-Dinitrophenol	10.028	184	31584	35.584	ng #	84
55) Dibenzofuran	10.175	168	772029	36.113	ng	100
56) 4-Nitrophenol	10.081	139	70771	30.288	ng	95
57) 2,4-Dinitrotoluene	10.151	165	159522	39.688	ng	90
58) Fluorene	10.516	166	572834	35.081	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	130610	39.774	ng	98
60) Diethylphthalate	10.386	149	536101	36.866	ng	98
61) 4-Chlorophenyl-phenyle...	10.510	204	285928	36.239	ng	98
62) 4-Nitroaniline	10.528	138	116589	36.245	ng	98
63) Azobenzene	10.669	77	562010	33.836	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	64754	43.140	ng	92
66) n-Nitrosodiphenylamine	10.622	169	476800	38.245	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	172874	39.924	ng	97
68) Hexachlorobenzene	11.069	284	177709	38.074	ng	99
69) Atrazine	11.145	200	132597	40.779	ng	99
70) Pentachlorophenol	11.263	266	66512	32.879	ng	98
71) Phenanthrene	11.480	178	742863	35.962	ng	100
72) Anthracene	11.533	178	762390	36.392	ng	99
73) Carbazole	11.686	167	608695	34.117	ng	99
74) Di-n-butylphthalate	12.010	149	643625	42.631	ng	100
75) Fluoranthene	12.669	202	628208	34.718	ng	99
77) Benzidine	12.786	184	251288	37.244	ng	99
78) Pyrene	12.898	202	640096	30.918	ng	99
80) Butylbenzylphthalate	13.510	149	206438	50.287	ng	96
81) Benzo(a)anthracene	14.086	228	560700	35.746	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	188593	44.526	ng	99
83) Chrysene	14.121	228	537379	36.741	ng	99
84) Bis(2-ethylhexyl)phtha...	14.069	149	309325	51.120	ng	98
85) Di-n-octyl phthalate	14.686	149	611488	50.655	ng	95
87) Indeno(1,2,3-cd)pyrene	17.121	276	924731	37.381	ng	99
88) Benzo(b)fluoranthene	15.151	252	716789	37.954	ng	100
89) Benzo(k)fluoranthene	15.180	252	602501	32.831	ng	99
90) Benzo(a)pyrene	15.527	252	649502	36.515	ng	100
91) Dibenzo(a,h)anthracene	17.133	278	751396	38.021	ng	98
92) Benzo(g,h,i)perylene	17.580	276	738534	37.096	ng	99

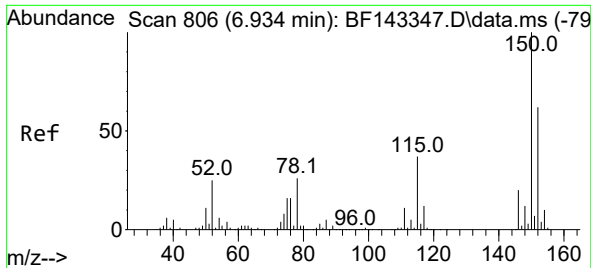
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

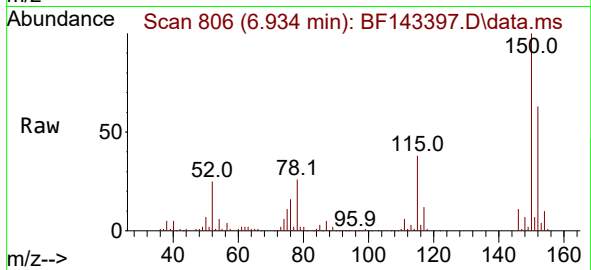
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

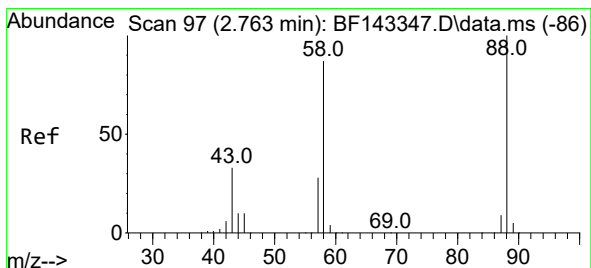
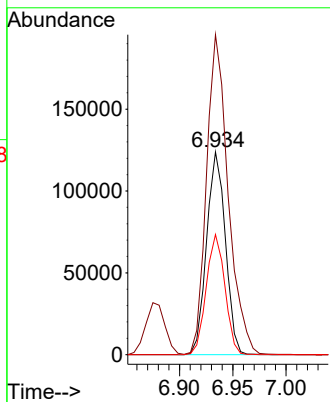
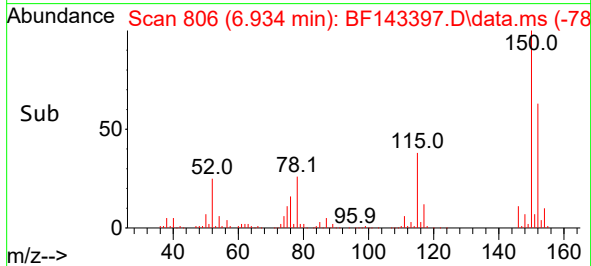
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:152 Resp: 15210
Ion Ratio Lower Upper
152 100
150 157.9 129.8 194.8
115 59.3 47.8 71.8

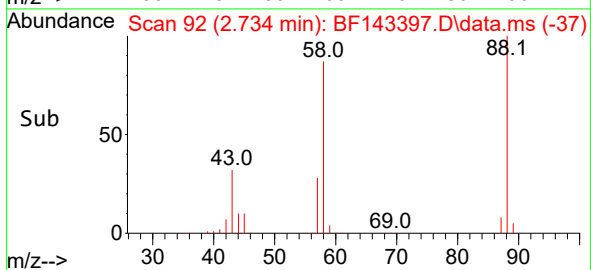
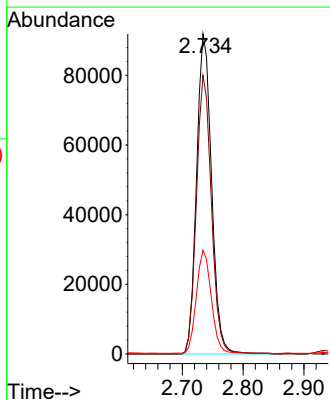
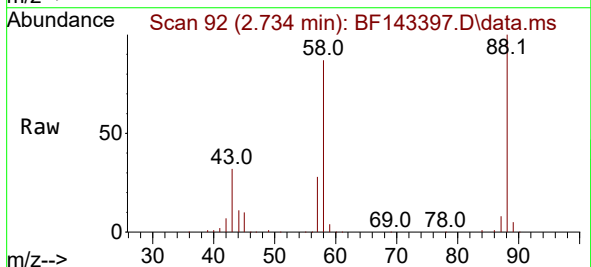
Manual Integrations
APPROVED

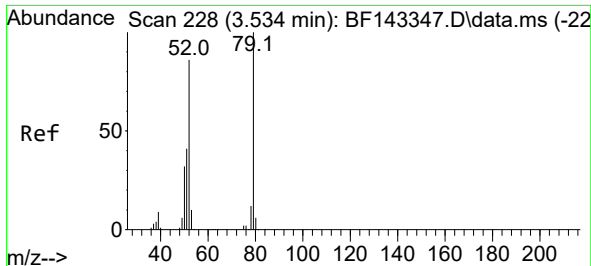
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 34.533 ng
RT: 2.734 min Scan# 92
Delta R.T. -0.029 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

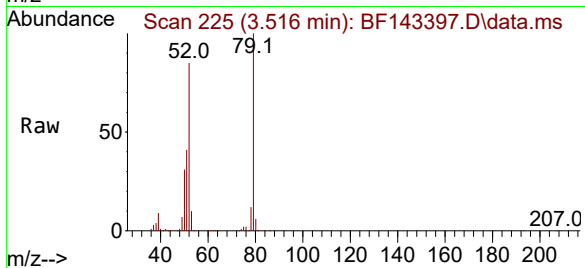
Tgt Ion: 88 Resp: 157177
Ion Ratio Lower Upper
88 100
58 87.0 71.0 106.6
43 33.1 27.0 40.6





#3
Pyridine
Concen: 34.717 ng
RT: 3.516 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

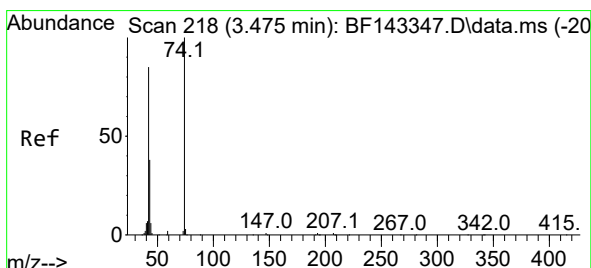
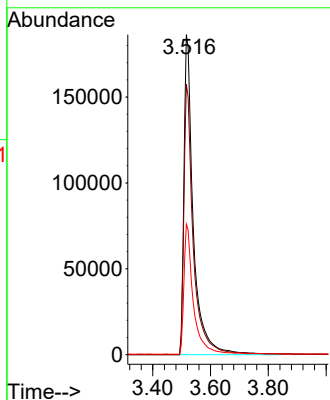
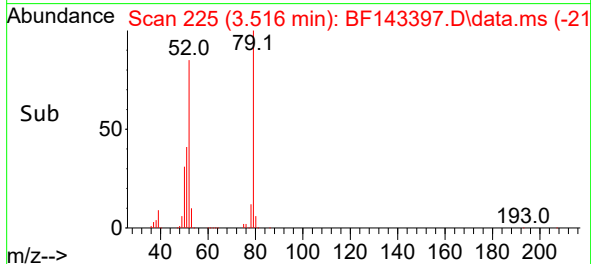
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



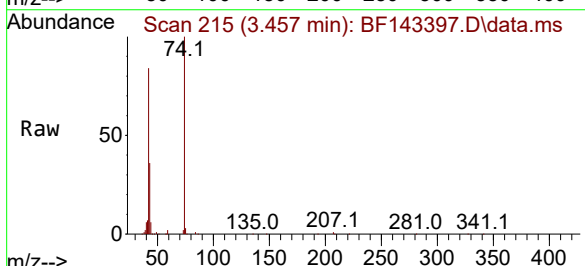
Tgt Ion: 79 Resp: 421075
Ion Ratio Lower Upper
79 100
52 84.5 68.7 103.1
51 40.8 33.4 50.0

Manual Integrations
APPROVED

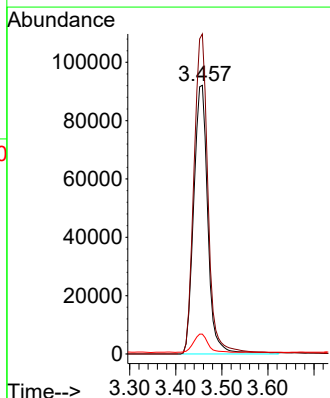
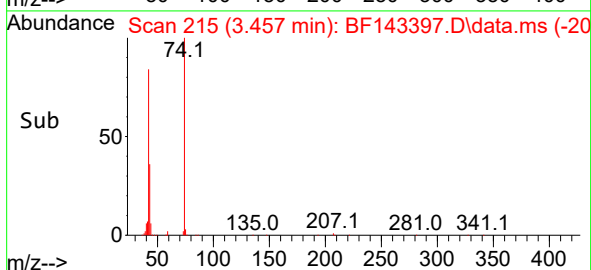
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

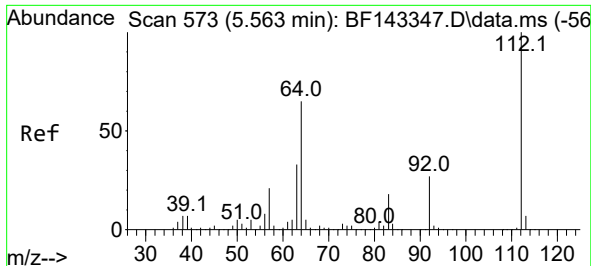


#4
n-Nitrosodimethylamine
Concen: 34.645 ng
RT: 3.457 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



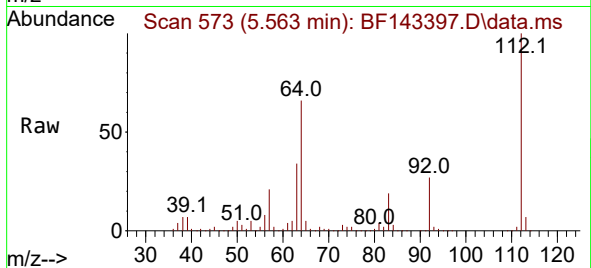
Tgt Ion: 42 Resp: 195742
Ion Ratio Lower Upper
42 100
74 119.1 94.1 141.1
44 7.4 6.5 9.7





#5
2-Fluorophenol
Concen: 73.205 ng
RT: 5.563 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

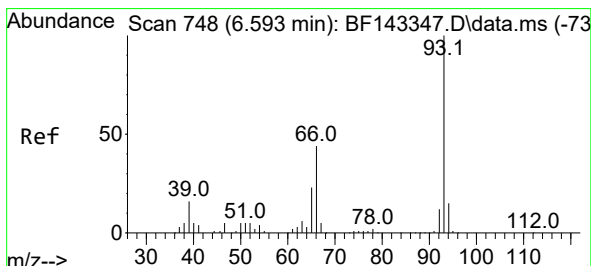
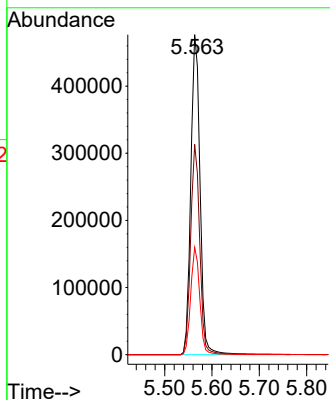
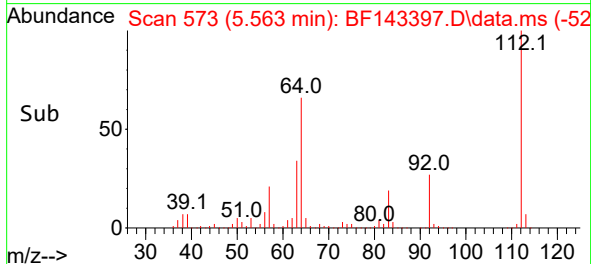
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



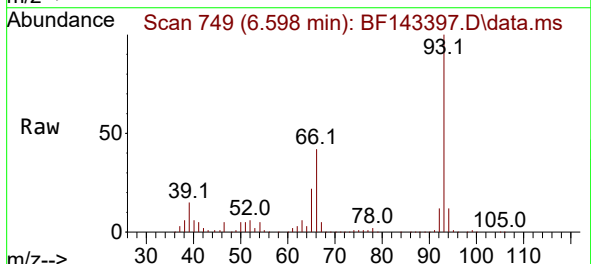
Tgt Ion:112 Resp: 64391
Ion Ratio Lower Upper
112 100
64 65.7 52.1 78.1
63 33.5 26.6 39.8

Manual Integrations
APPROVED

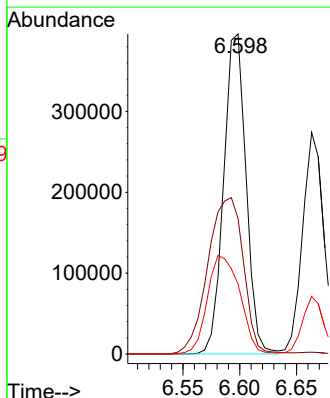
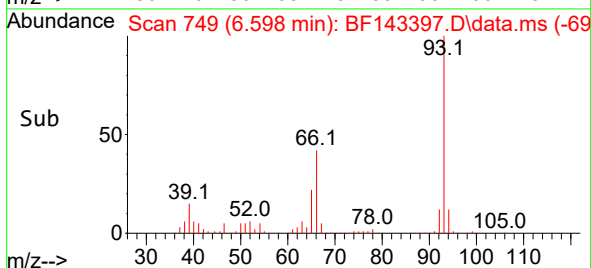
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

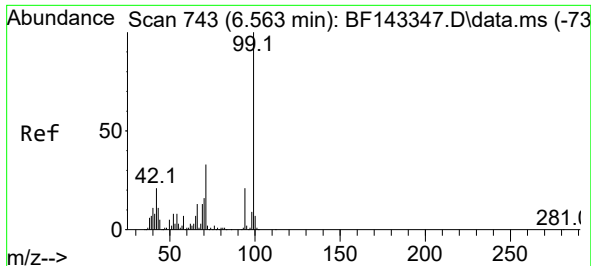


#6
Aniline
Concen: 34.171 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



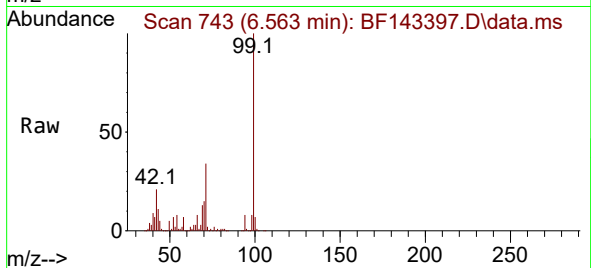
Tgt Ion: 93 Resp: 543387
Ion Ratio Lower Upper
93 100
66 42.4 35.3 52.9
65 21.8 18.2 27.4





#7
Phenol-d6
Concen: 70.261 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

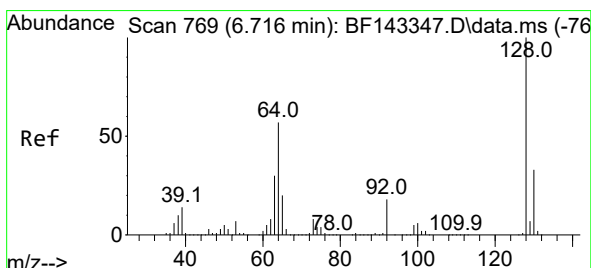
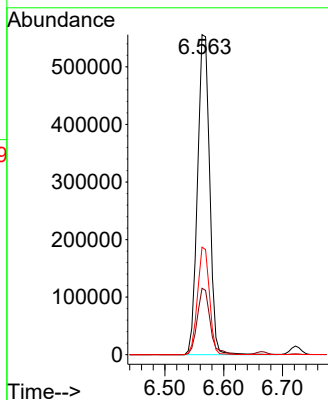
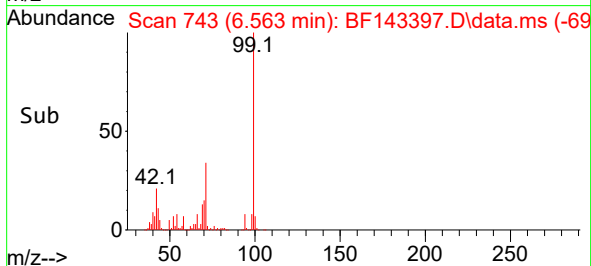
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



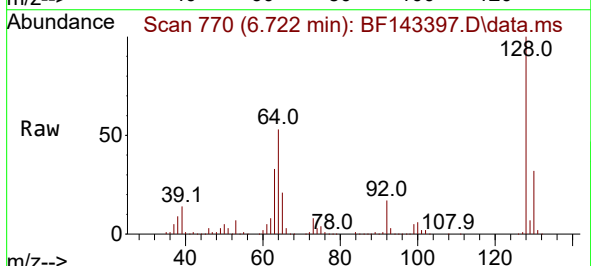
Tgt Ion: 99 Resp: 79252
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 33.6 26.2 39.2

Manual Integrations
APPROVED

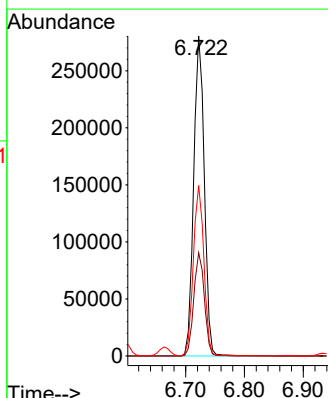
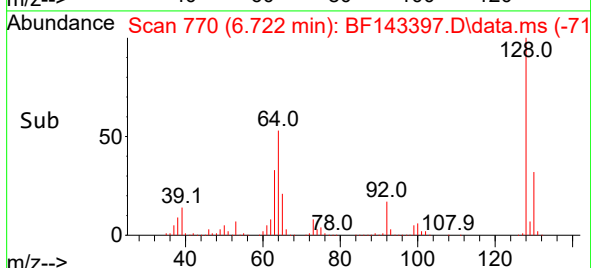
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

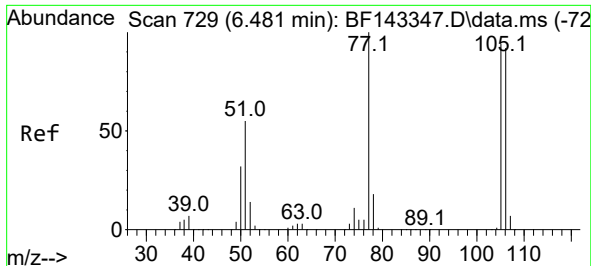


#8
2-Chlorophenol
Concen: 37.322 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



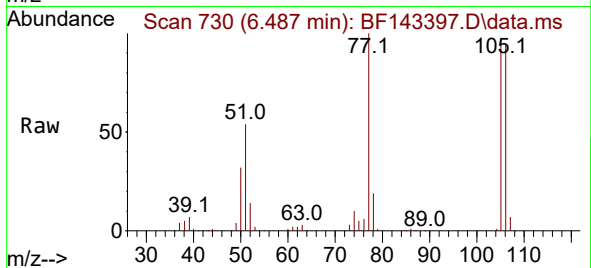
Tgt Ion:128 Resp: 350779
Ion Ratio Lower Upper
128 100
130 32.2 12.6 52.6
64 53.3 36.7 76.7





#9
Benzaldehyde
Concen: 32.651 ng
RT: 6.487 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

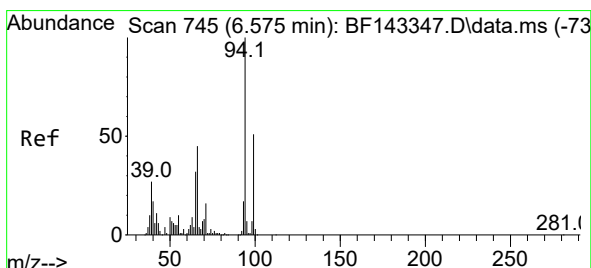
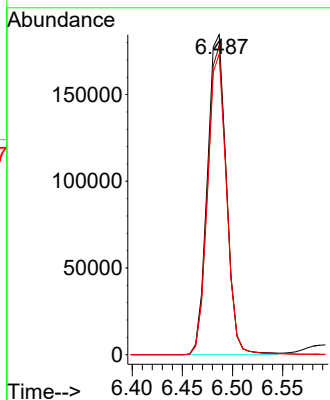
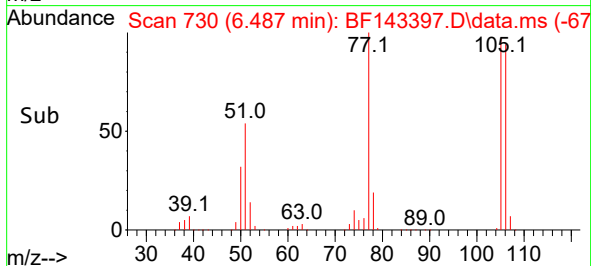
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



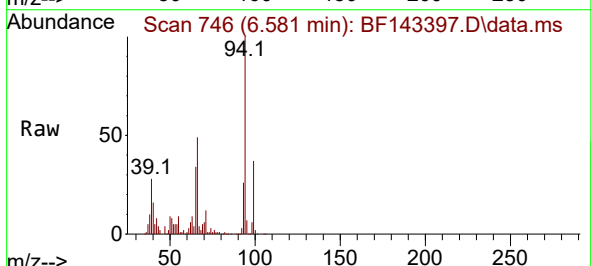
Tgt Ion: 77 Resp: 24342
Ion Ratio Lower Upper
77 100
105 96.5 74.2 114.2
106 93.9 72.2 112.2

Manual Integrations
APPROVED

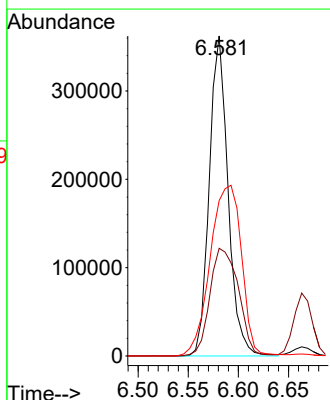
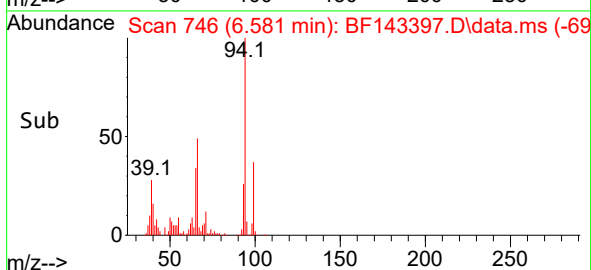
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

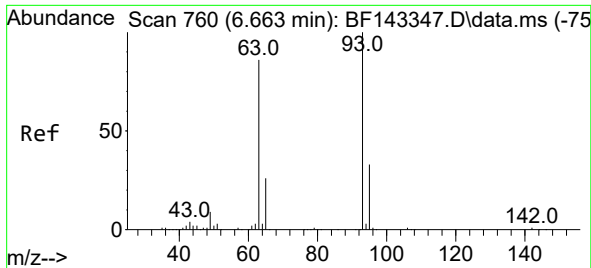


#10
Phenol
Concen: 35.396 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion: 94 Resp: 472975
Ion Ratio Lower Upper
94 100
65 33.6 12.0 52.0
66 48.6 25.6 65.6





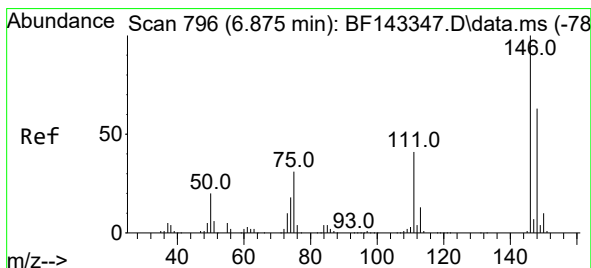
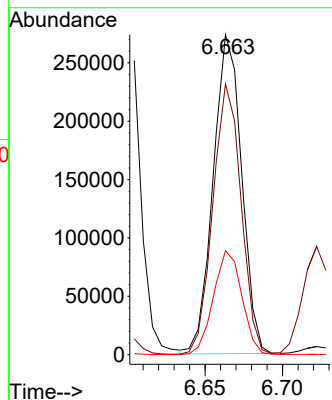
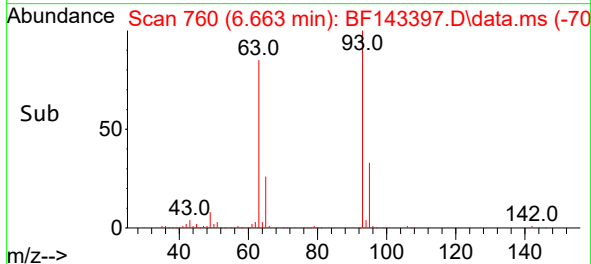
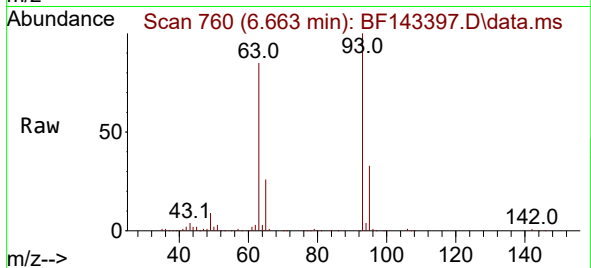
#11
bis(2-Chloroethyl)ether
Concen: 35.405 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 348679
Ion Ratio Lower Upper
93 100
63 84.6 65.7 105.7
95 32.5 13.0 53.0

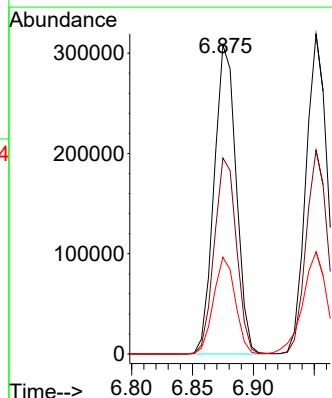
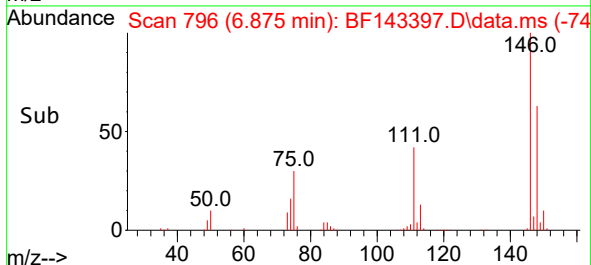
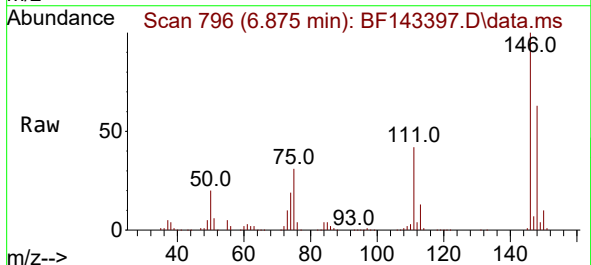
Manual Integrations
APPROVED

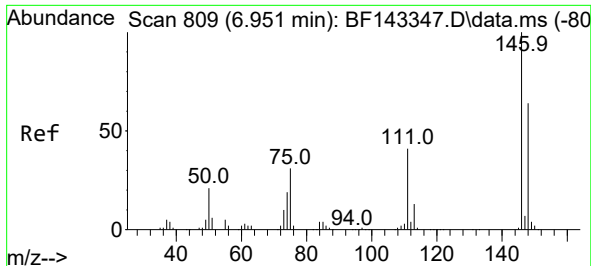
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#12
1,3-Dichlorobenzene
Concen: 35.839 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

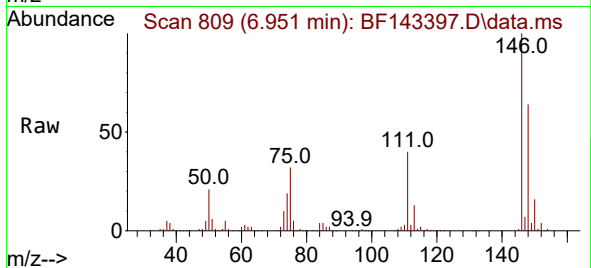
Tgt Ion:146 Resp: 388534
Ion Ratio Lower Upper
146 100
148 63.4 50.5 75.7
75 31.3 24.9 37.3





#13
1,4-Dichlorobenzene
Concen: 35.936 ng
RT: 6.951 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

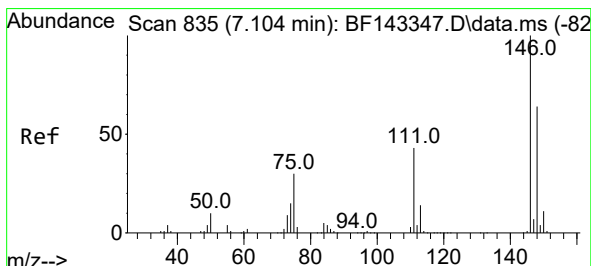
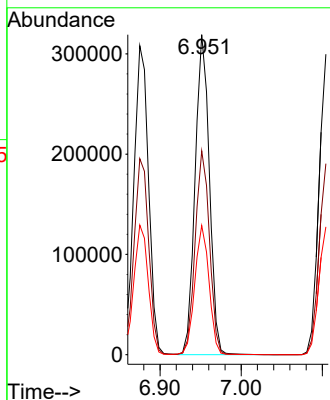
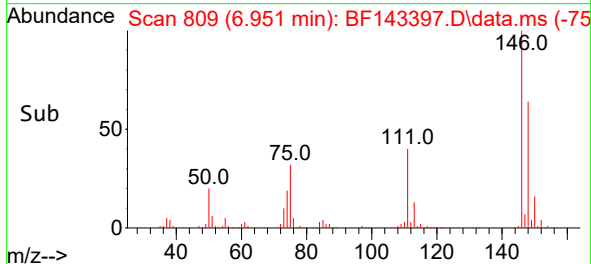
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



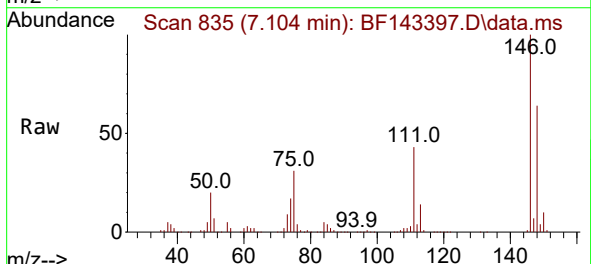
Tgt Ion:146 Resp: 391000
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.0
111 40.4 32.6 48.8

Manual Integrations
APPROVED

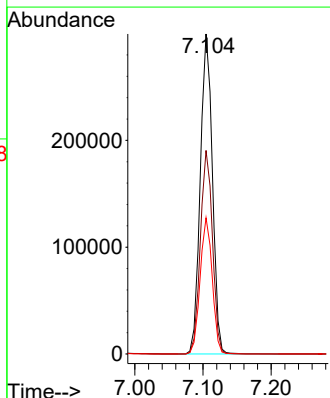
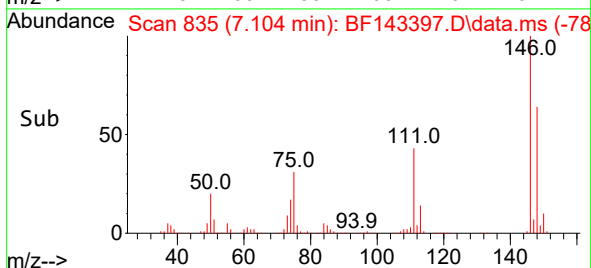
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

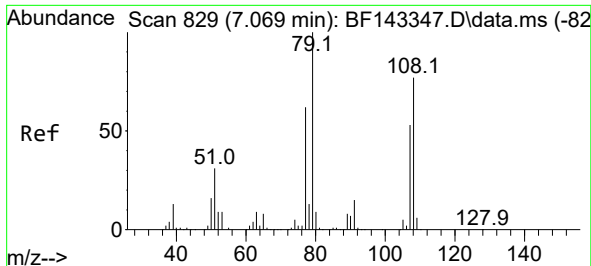


#14
1,2-Dichlorobenzene
Concen: 35.880 ng
RT: 7.104 min Scan# 835
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



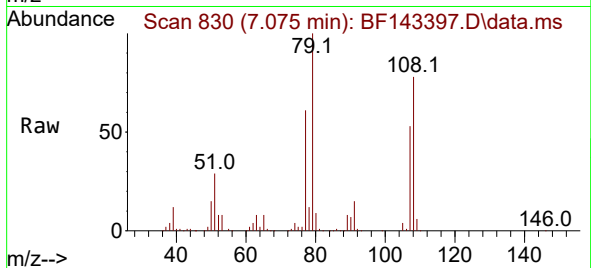
Tgt Ion:146 Resp: 370583
Ion Ratio Lower Upper
146 100
148 63.6 51.4 77.2
111 42.6 34.1 51.1





#15
Benzyl Alcohol
Concen: 36.604 ng
RT: 7.075 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

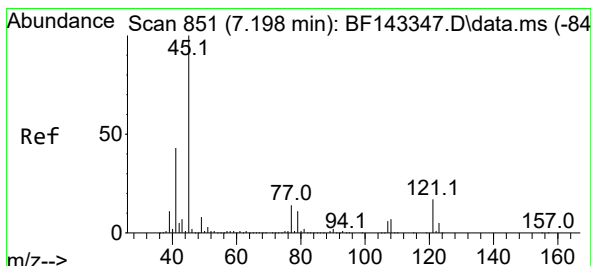
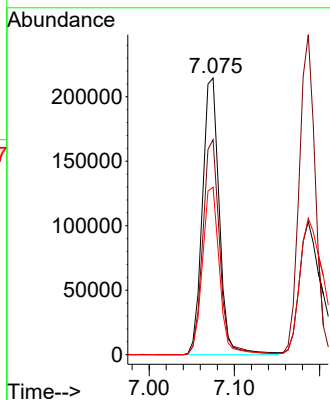
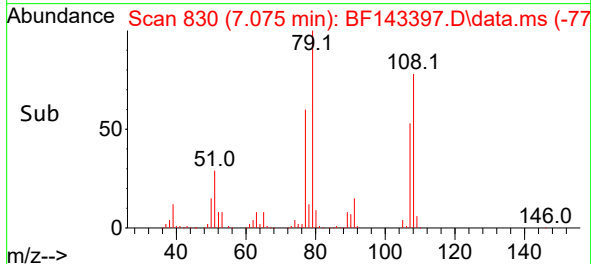
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



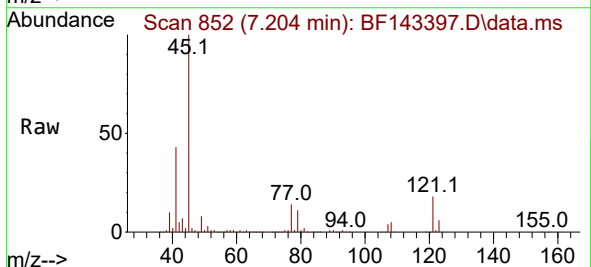
Tgt Ion: 79 Resp: 29596
Ion Ratio Lower Upper
79 100
108 77.7 61.5 92.3
77 60.5 49.8 74.8

Manual Integrations
APPROVED

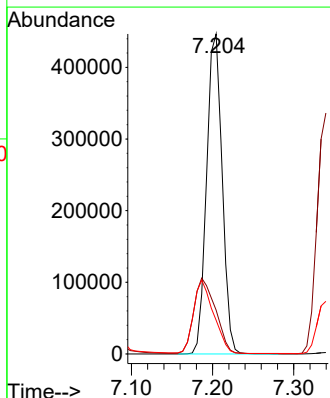
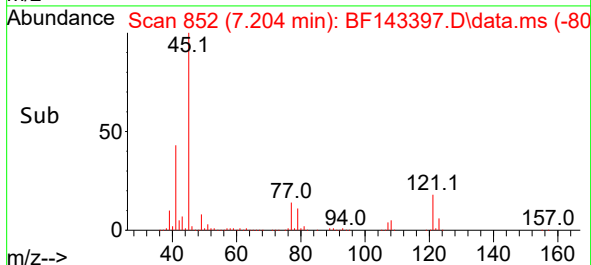
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

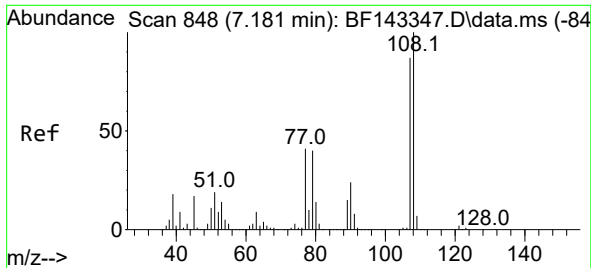


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.764 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



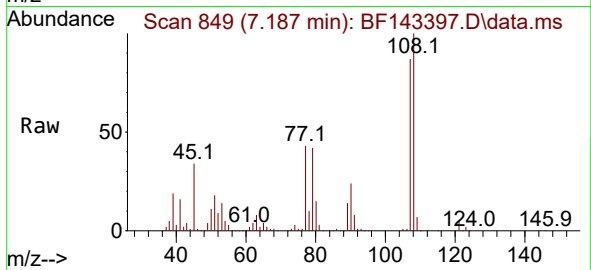
Tgt Ion: 45 Resp: 593645
Ion Ratio Lower Upper
45 100
77 13.7 0.0 34.0
79 10.6 0.0 31.1





#17
2-Methylphenol
Concen: 35.456 ng
RT: 7.187 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

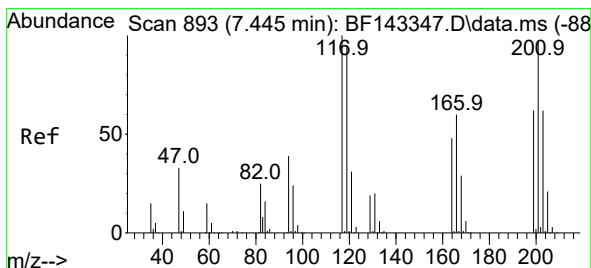
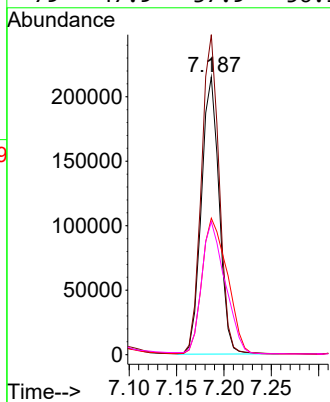
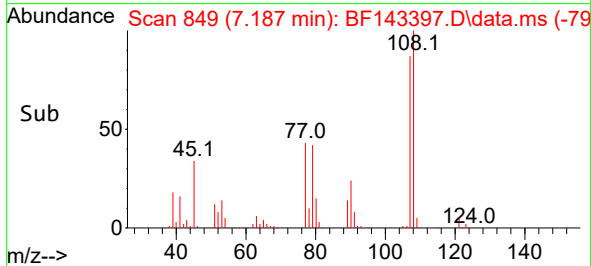
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



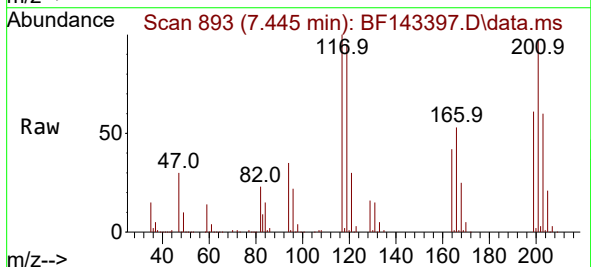
Tgt Ion:107 Resp: 281294
Ion Ratio Lower Upper
107 100
108 115.2 92.0 138.0
77 49.1 38.2 57.2
79 47.9 37.9 56.9

Manual Integrations
APPROVED

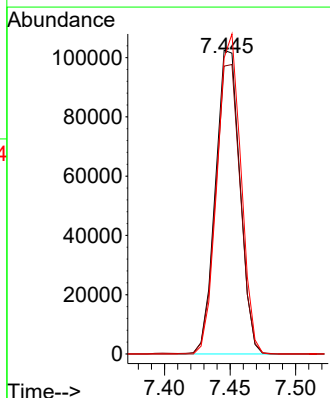
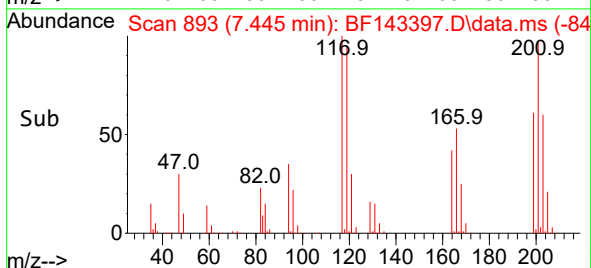
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

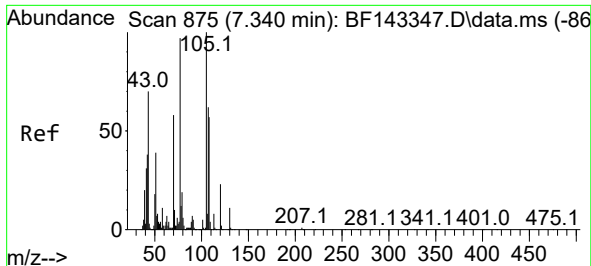


#18
Hexachloroethane
Concen: 38.942 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



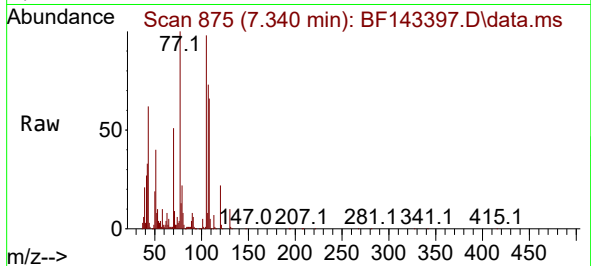
Tgt Ion:117 Resp: 132838
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.8
201 97.5 77.2 115.8





#19
n-Nitroso-di-n-propylamine
Concen: 33.566 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

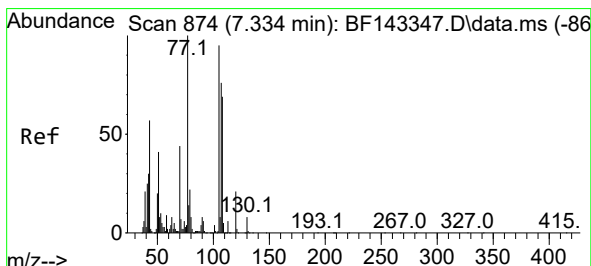
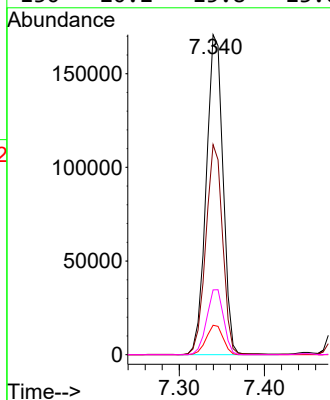
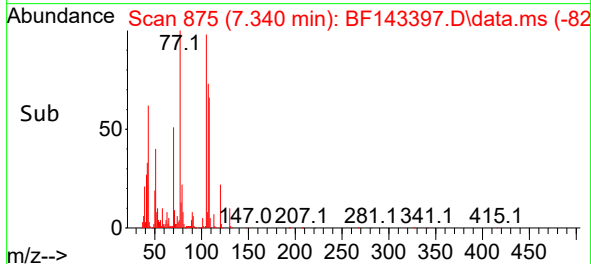
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



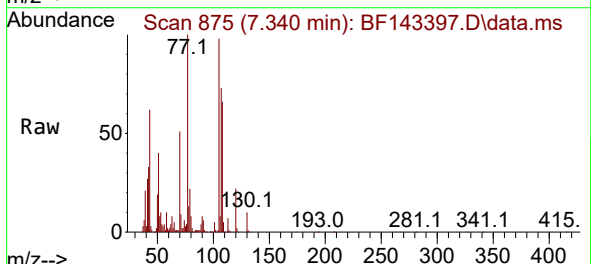
Tgt Ion:	70	Resp:	23394
Ion Ratio	Lower	Upper	
70	100		
42	65.7	51.6	77.4
101	9.2	7.5	11.3
130	20.2	15.8	23.6

Manual Integrations
APPROVED

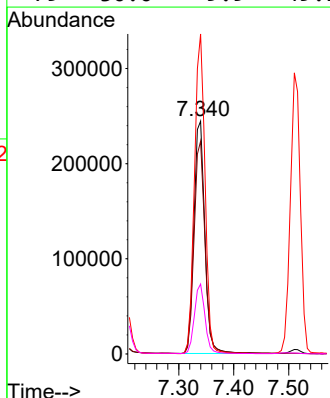
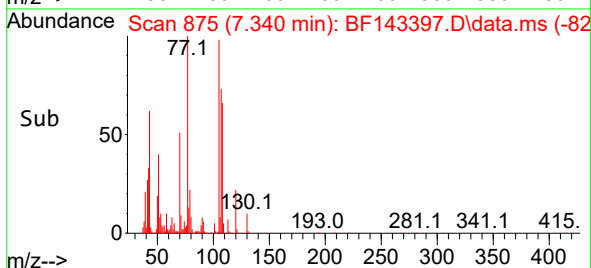
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

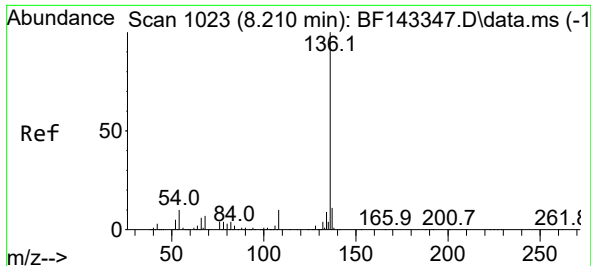


#20
3+4-Methylphenols
Concen: 35.190 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



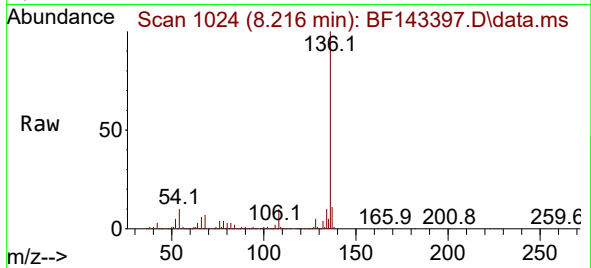
Tgt Ion:	107	Resp:	337641
Ion Ratio	Lower	Upper	
107	100		
108	91.4	70.6	110.6
77	137.5	112.0	152.0
79	30.0	9.9	49.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

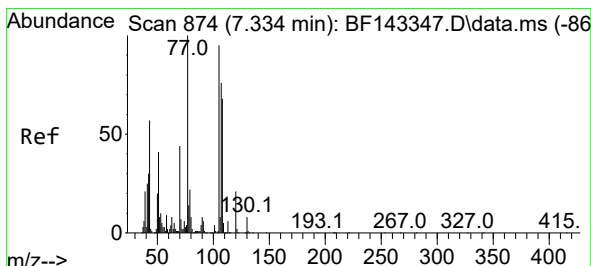
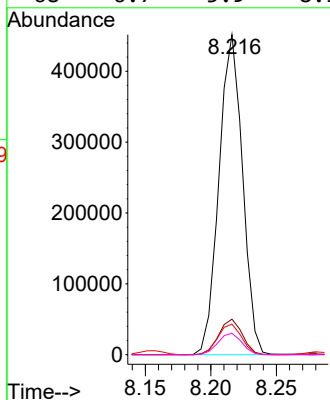
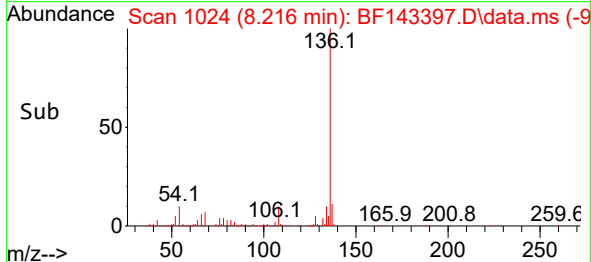
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:136 Resp: 56323
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.6 8.4 12.6
68 6.7 5.9 8.9

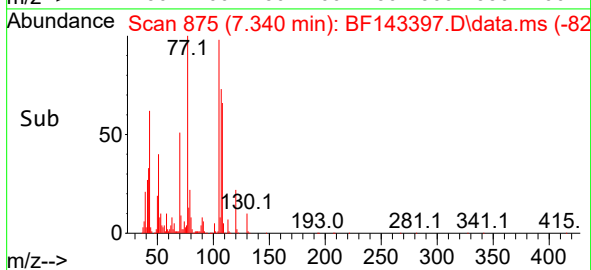
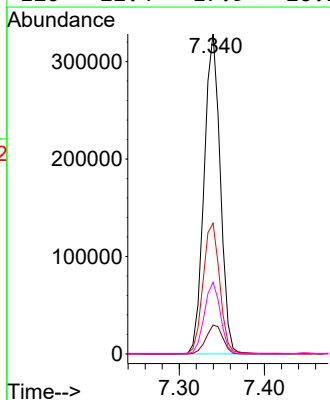
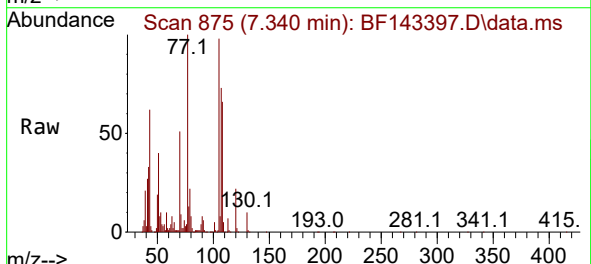
Manual Integrations
APPROVED

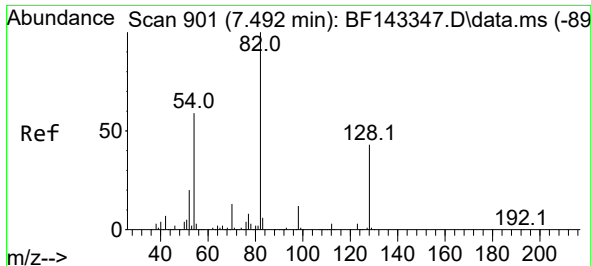
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#22
Acetophenone
Concen: 34.852 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:105 Resp: 432509
Ion Ratio Lower Upper
105 100
71 9.0 6.2 9.4
51 40.9 34.8 52.2
120 22.4 17.9 26.9





#23
Nitrobenzene-d5
Concen: 77.681 ng
RT: 7.493 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

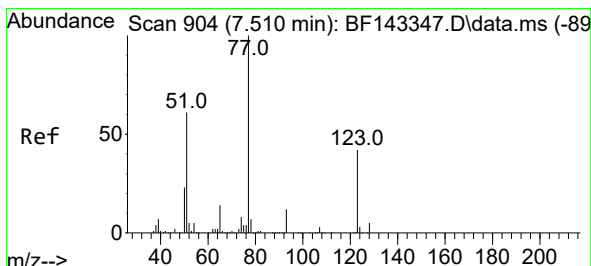
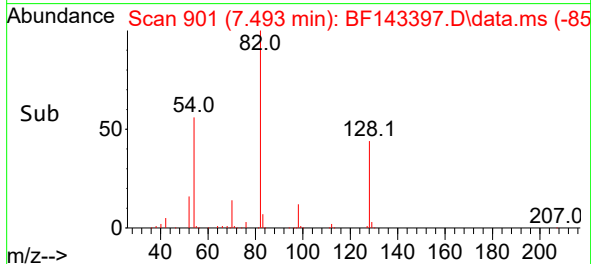
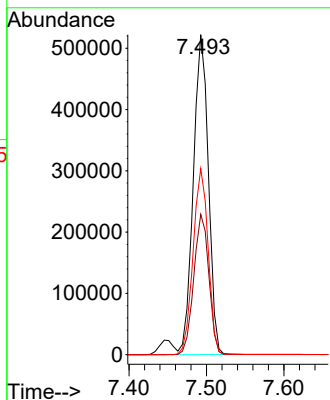
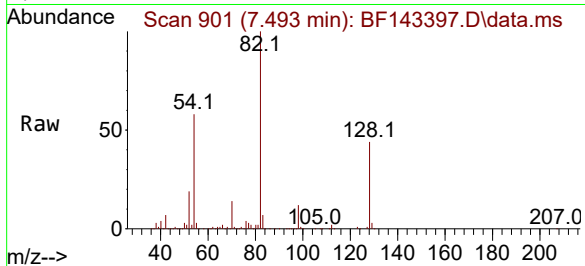
ClientSampleId :

SSTDCCC040EC

Tgt Ion: 82 Resp: 70258
Ion Ratio Lower Upper
82 100
128 43.9 33.5 50.3
54 58.2 46.7 70.1

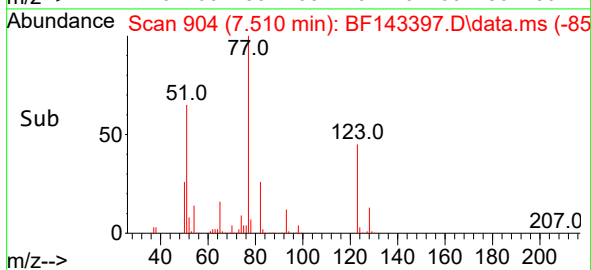
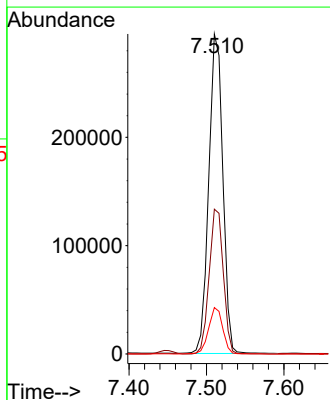
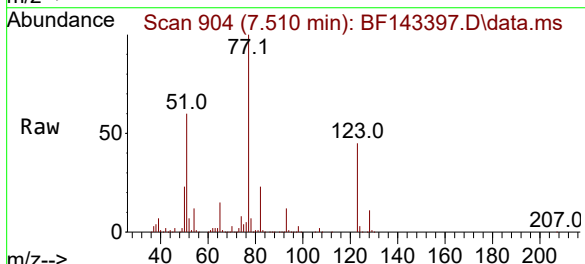
Manual Integrations
APPROVED

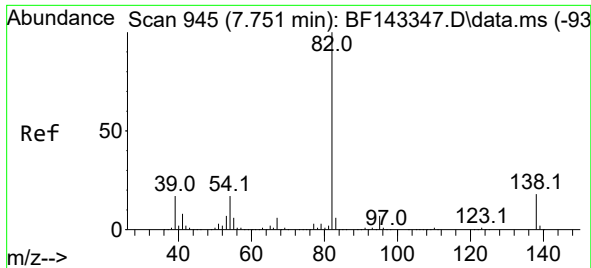
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#24
Nitrobenzene
Concen: 37.898 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 77 Resp: 372258
Ion Ratio Lower Upper
77 100
123 45.2 34.8 52.2
65 14.5 11.0 16.6





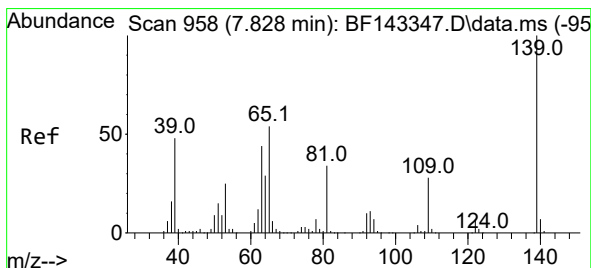
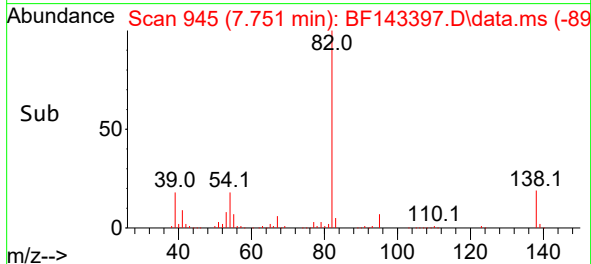
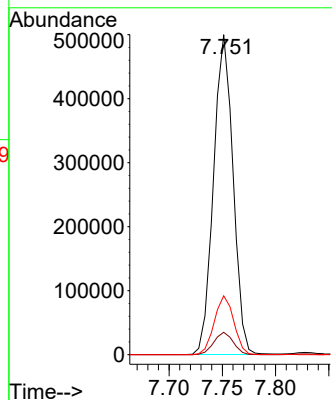
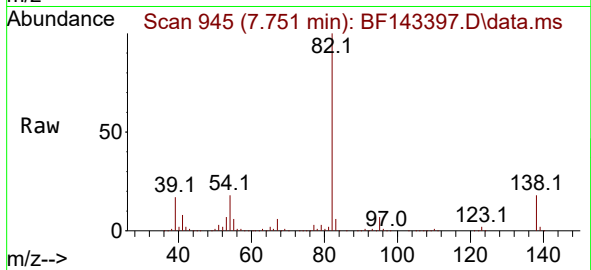
#25
Isophorone
Concen: 34.512 ng
RT: 7.751 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 637222
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 18.4 14.6 21.8

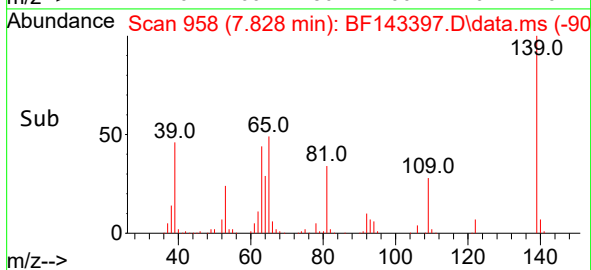
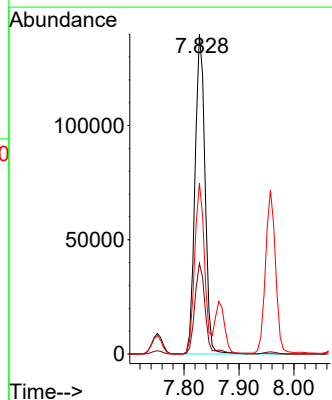
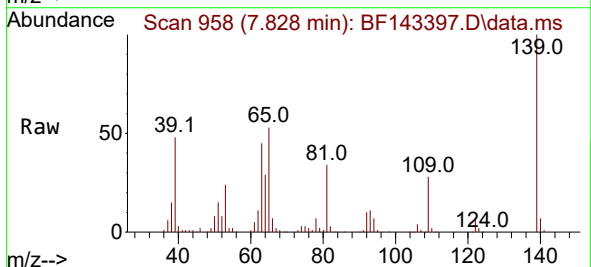
Manual Integrations
APPROVED

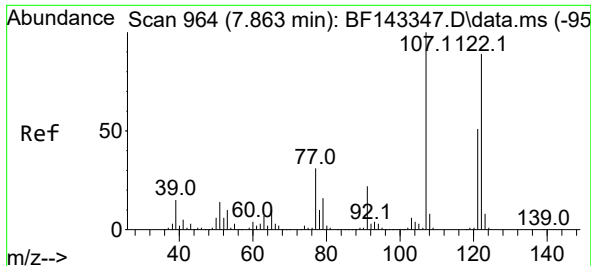
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#26
2-Nitrophenol
Concen: 45.217 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:139 Resp: 177089
Ion Ratio Lower Upper
139 100
109 28.3 22.4 33.6
65 53.4 42.9 64.3





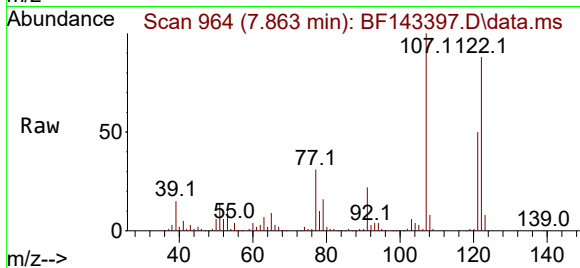
#27
2,4-Dimethylphenol
Concen: 37.878 ng m
RT: 7.863 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



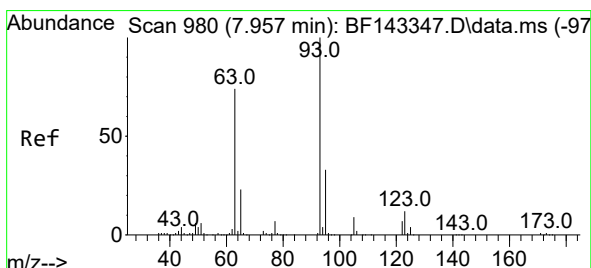
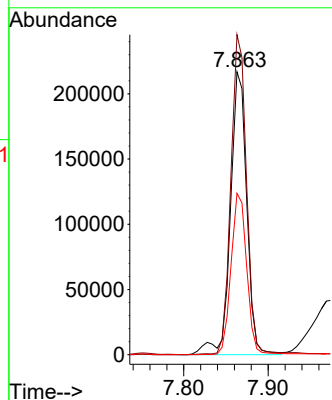
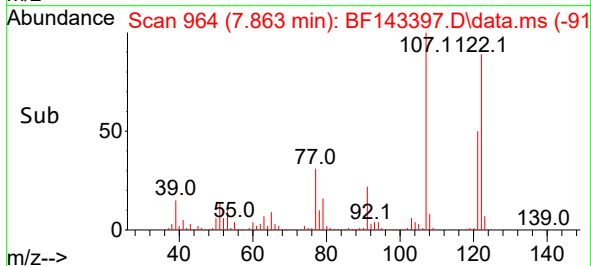
Tgt Ion:122 Resp: 29177
Ion Ratio Lower Upper
122 100
107 113.1 89.9 134.9
121 57.0 46.2 69.4

Manual Integrations

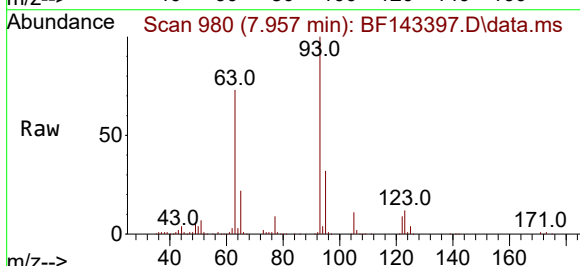
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

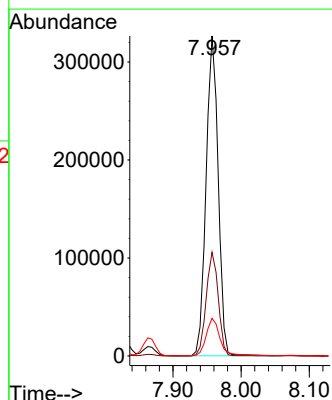
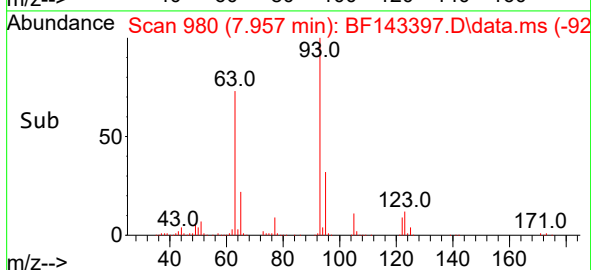
Supervised By :Jagrut Upadhyay 08/15/2025

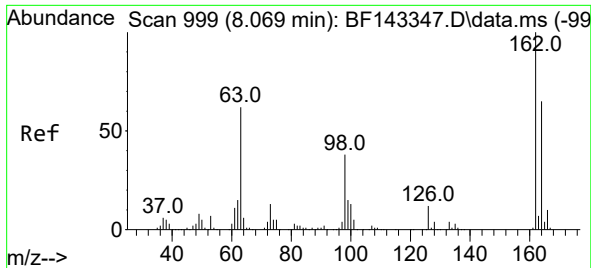


#28
bis(2-Chloroethoxy)methane
Concen: 35.741 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion: 93 Resp: 402907
Ion Ratio Lower Upper
93 100
95 32.4 26.2 39.4
123 11.8 9.4 14.2





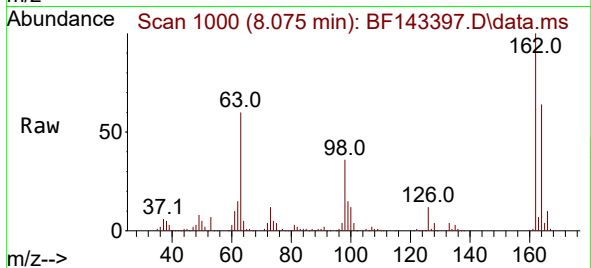
#29
2,4-Dichlorophenol
Concen: 38.587 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



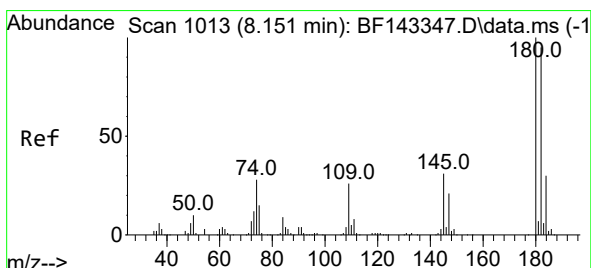
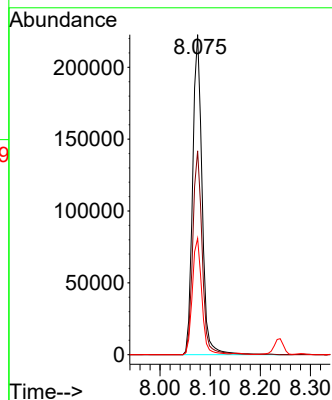
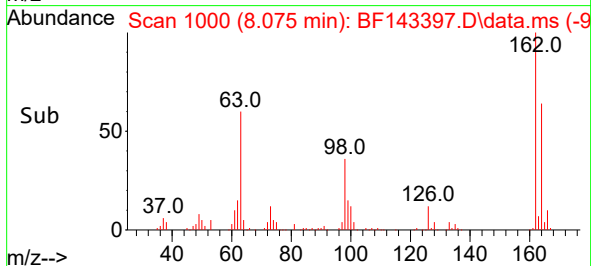
Tgt Ion:162 Resp: 290315
Ion Ratio Lower Upper
162 100
164 63.7 44.5 84.5
98 36.4 17.7 57.7

Manual Integrations

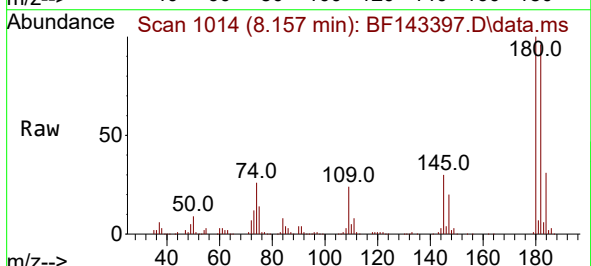
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

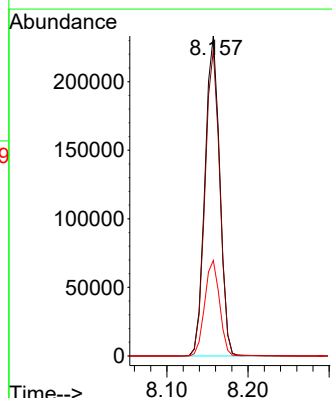
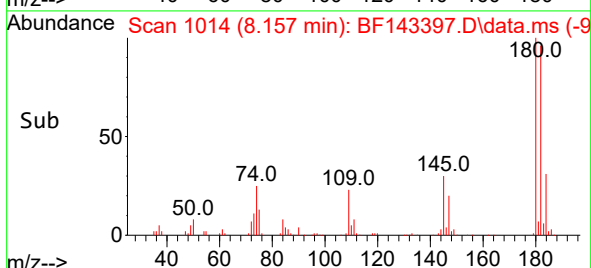
Supervised By :Jagrut Upadhyay 08/15/2025

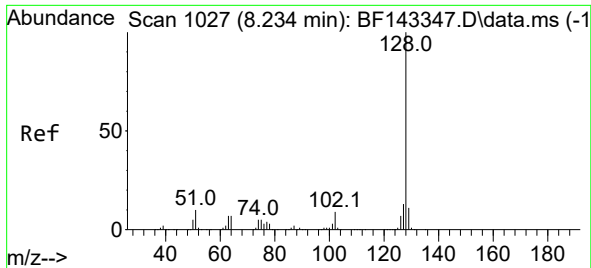


#30
1,2,4-Trichlorobenzene
Concen: 37.101 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



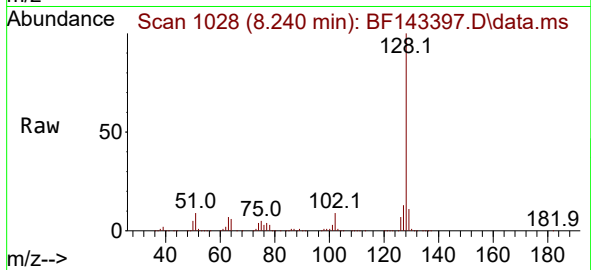
Tgt Ion:180 Resp: 294443
Ion Ratio Lower Upper
180 100
182 95.5 76.1 114.1
145 29.8 24.9 37.3





#31
Naphthalene
Concen: 35.988 ng
RT: 8.240 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

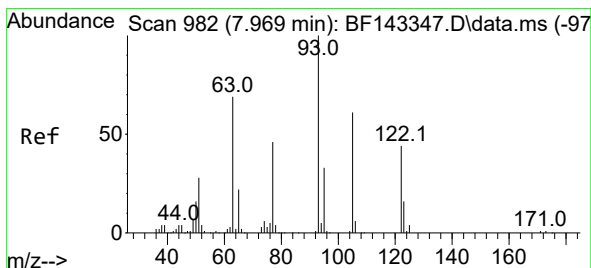
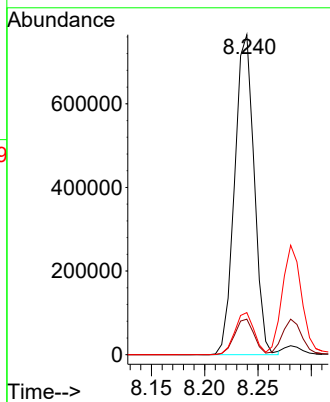
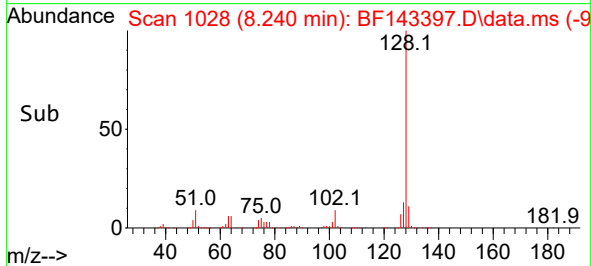
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:128 Resp: 975340
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.1 10.7 16.1

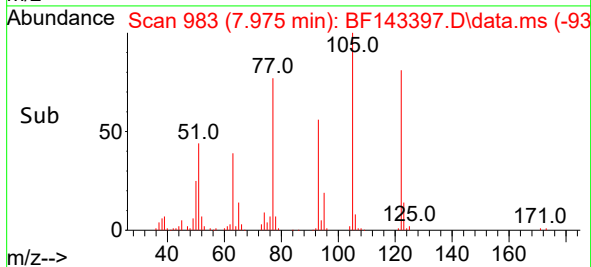
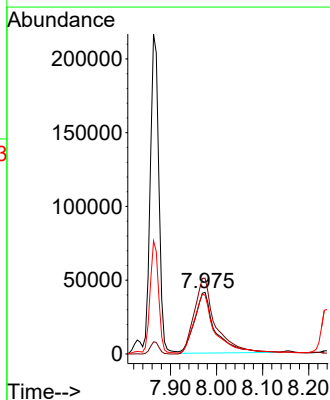
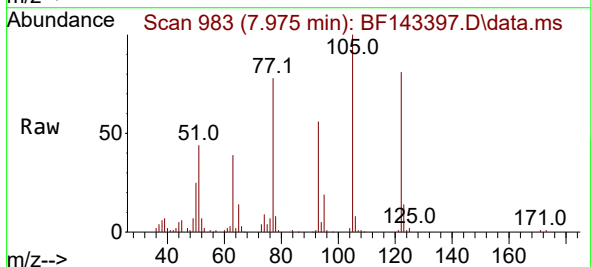
Manual Integrations
APPROVED

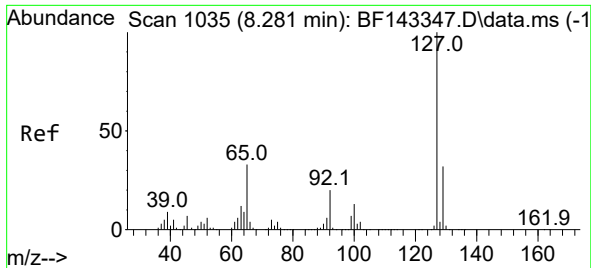
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#32
Benzoic acid
Concen: 40.763 ng
RT: 7.975 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:122 Resp: 128968
Ion Ratio Lower Upper
122 100
105 123.1 106.4 146.4
77 95.5 79.2 119.2





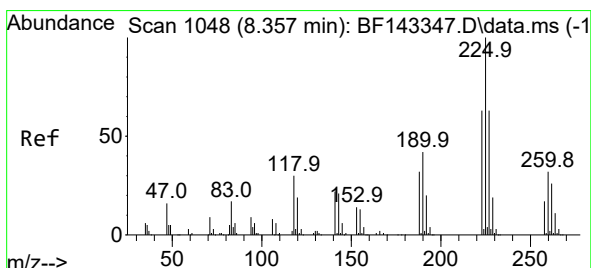
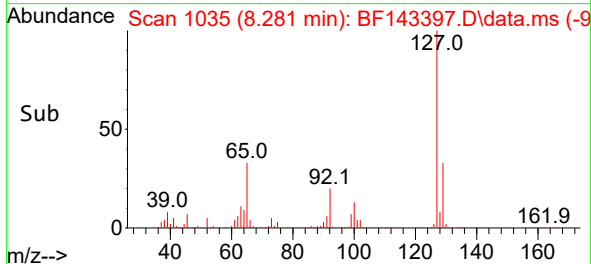
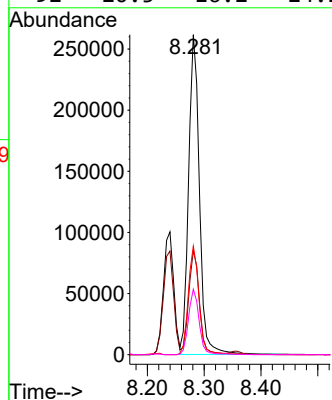
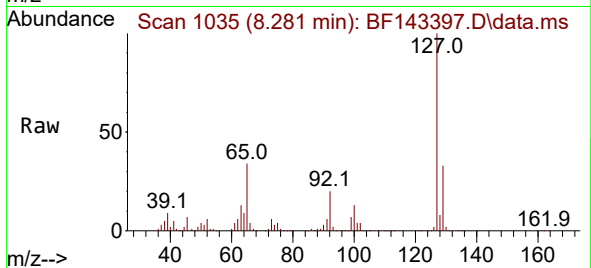
#33
4-Chloroaniline
Concen: 35.380 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	34.0	27.0	40.4
92	20.5	16.2	24.2

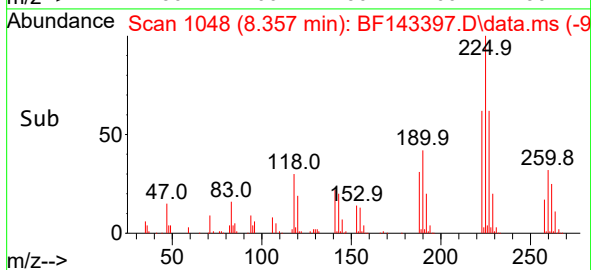
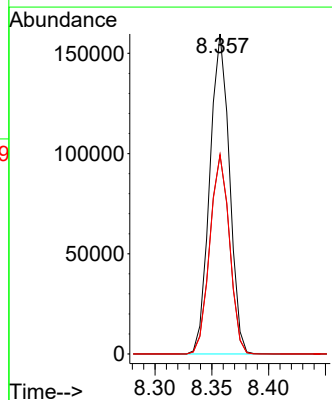
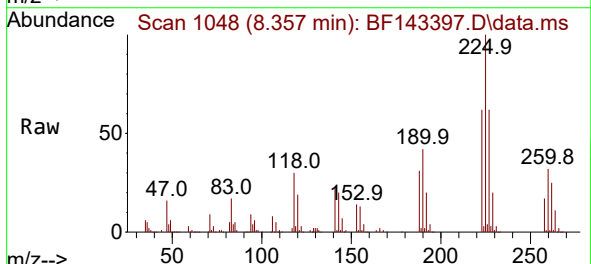
Manual Integrations
APPROVED

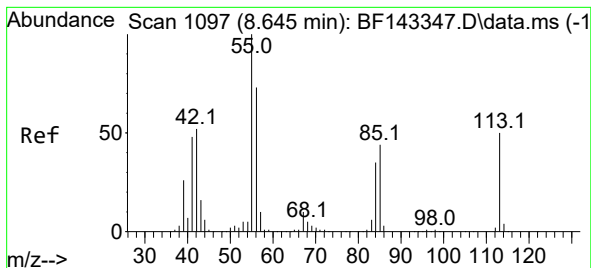
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#34
Hexachlorobutadiene
Concen: 38.848 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.1	75.1
227	62.2	50.6	75.8





#35

Caprolactam

Concen: 36.300 ng

RT: 8.640 min Scan# 1097

Delta R.T. -0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

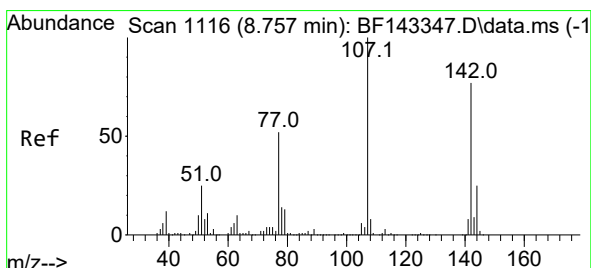
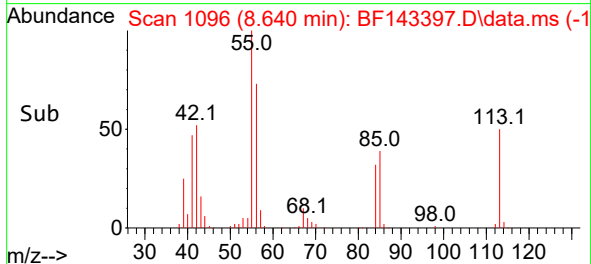
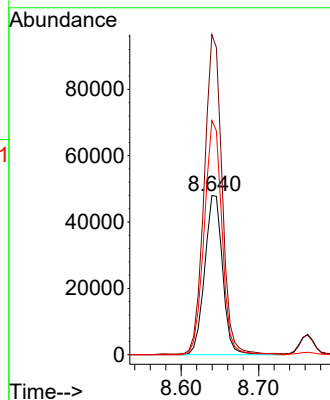
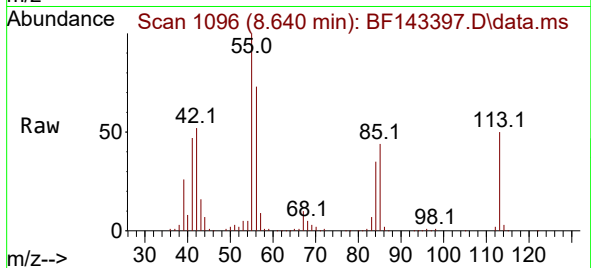
Tgt Ion:	113	Resp:	76770
Ion Ratio	Lower	Upper	
113	100		
55	201.0	181.4	221.4
56	147.1	127.3	167.3

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#36

4-Chloro-3-methylphenol

Concen: 35.367 ng

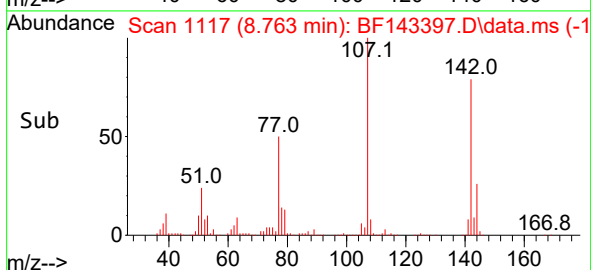
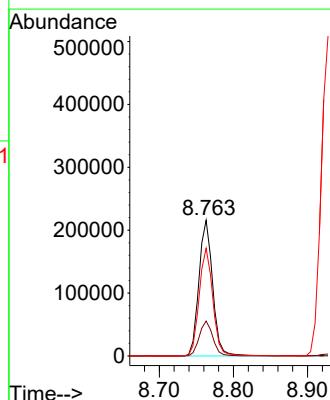
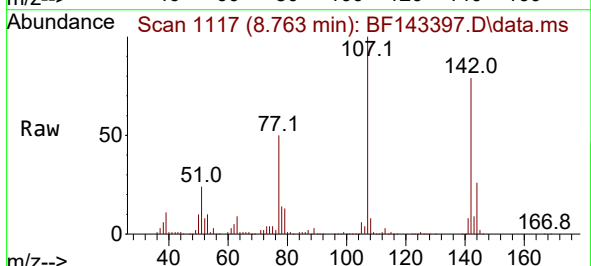
RT: 8.763 min Scan# 1117

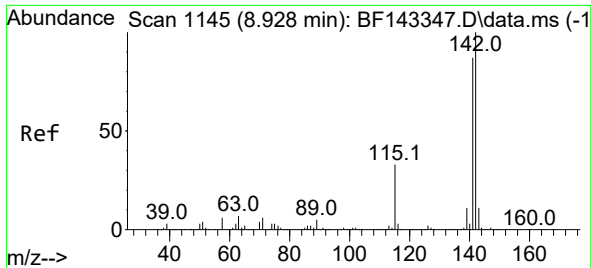
Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

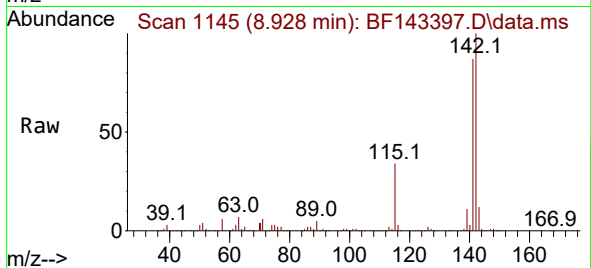
Tgt Ion:	107	Resp:	278956
Ion Ratio	Lower	Upper	
107	100		
144	25.7	20.0	30.0
142	79.4	61.3	91.9





#37
2-Methylnaphthalene
Concen: 35.329 ng
RT: 8.928 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

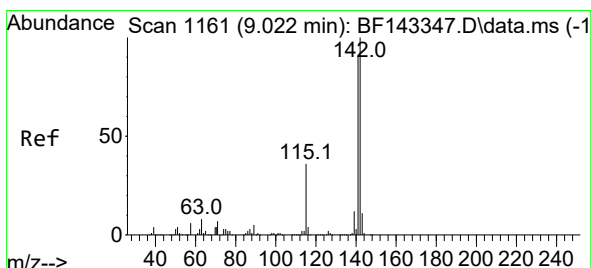
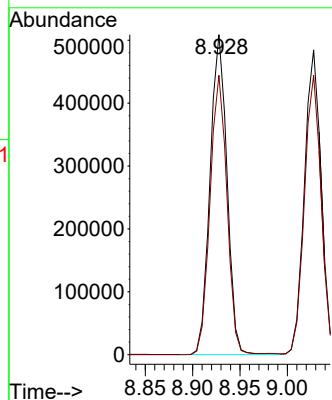
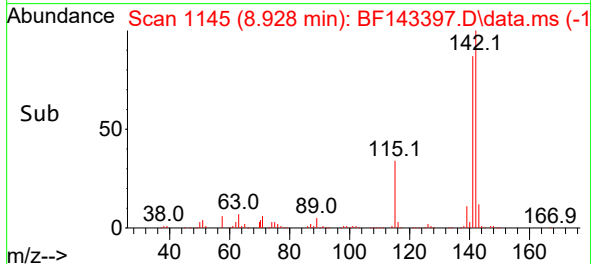
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:142 Resp: 62946
Ion Ratio Lower Upper
142 100
141 87.3 69.8 104.8

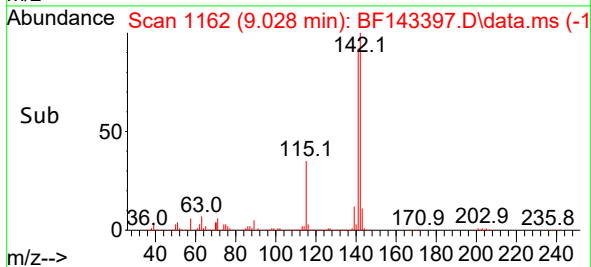
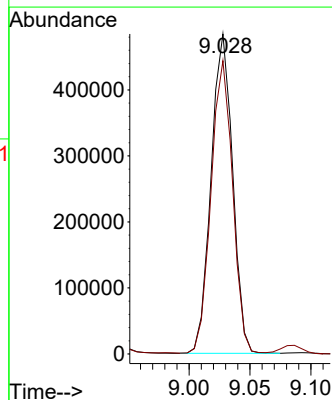
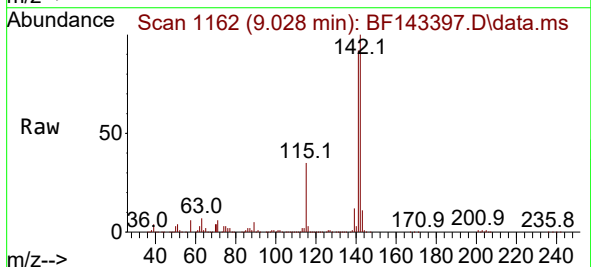
Manual Integrations
APPROVED

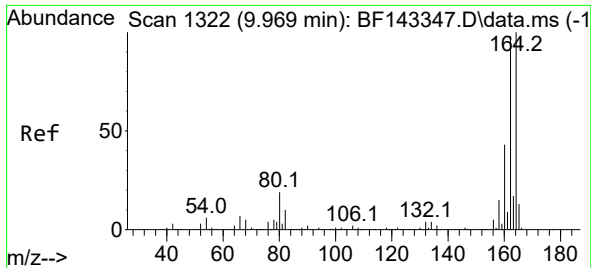
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#38
1-Methylnaphthalene
Concen: 34.624 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

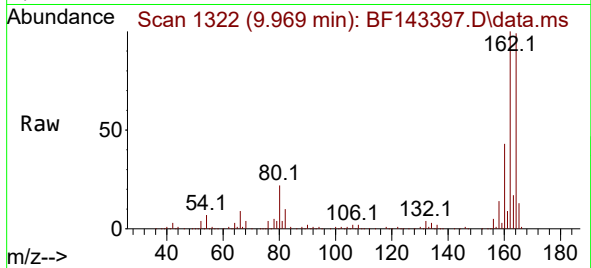
Tgt Ion:142 Resp: 594152
Ion Ratio Lower Upper
142 100
141 91.7 73.0 109.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

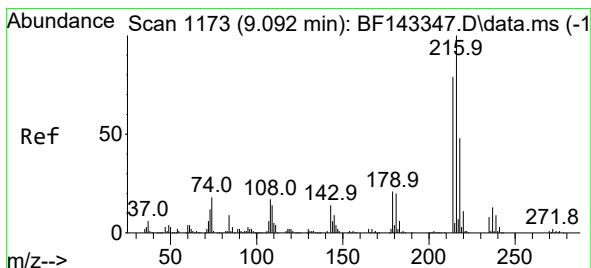
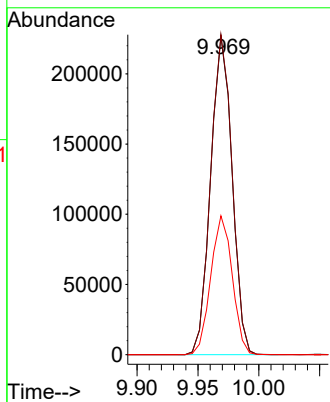
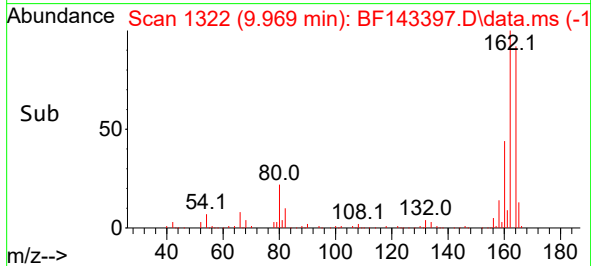
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



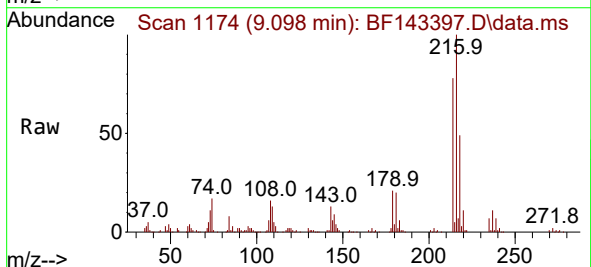
Tgt Ion:164 Resp: 27784
Ion Ratio Lower Upper
164 100
162 100.5 78.6 118.0
160 43.6 34.4 51.6

Manual Integrations
APPROVED

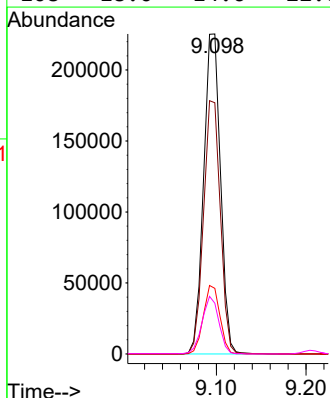
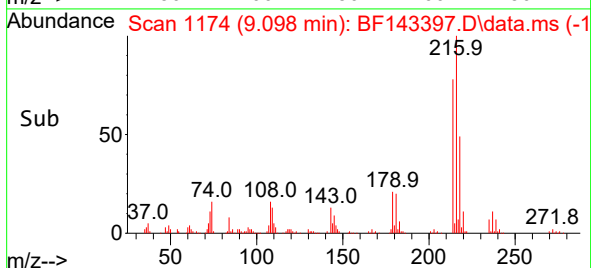
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

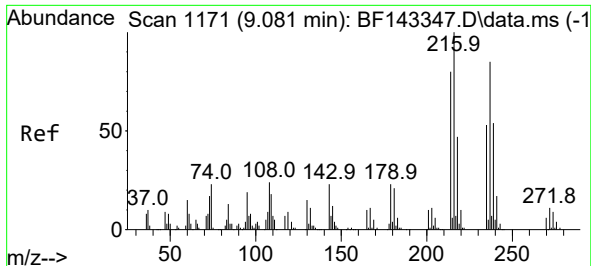


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.695 ng
RT: 9.098 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



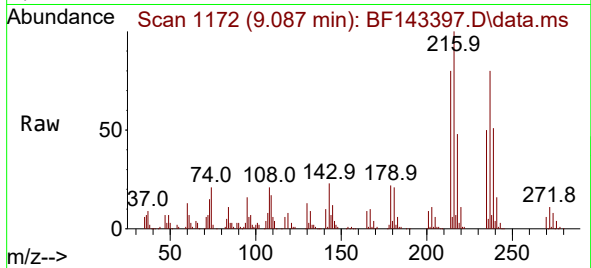
Tgt Ion:216 Resp: 294195
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 20.9 17.0 25.4
108 18.0 14.6 22.0





#41
Hexachlorocyclopentadiene
Concen: 51.058 ng
RT: 9.087 min Scan# 1171
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

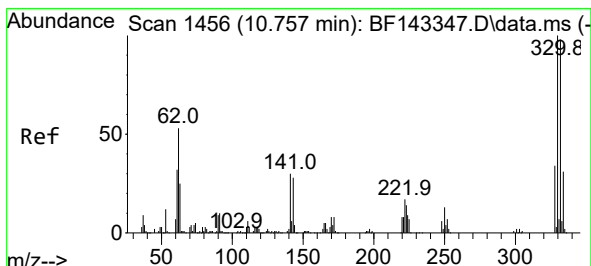
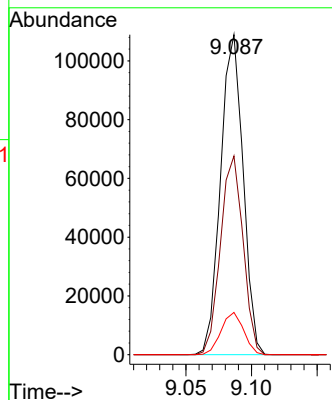
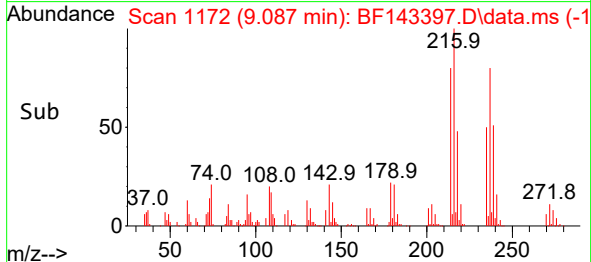
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



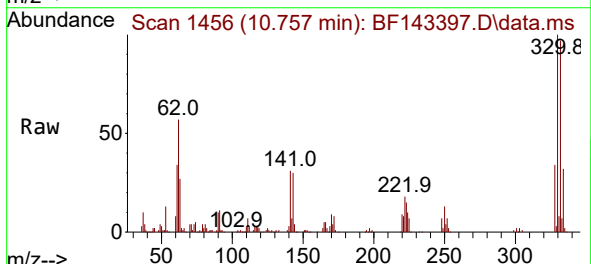
Tgt Ion:237 Resp: 129924
Ion Ratio Lower Upper
237 100
235 62.1 42.0 82.0
272 13.2 0.0 32.6

Manual Integrations
APPROVED

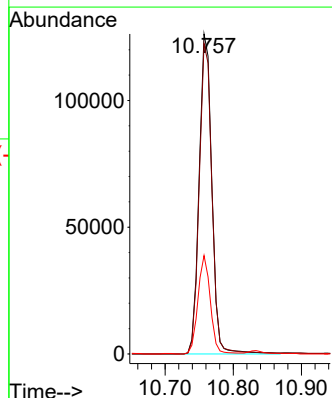
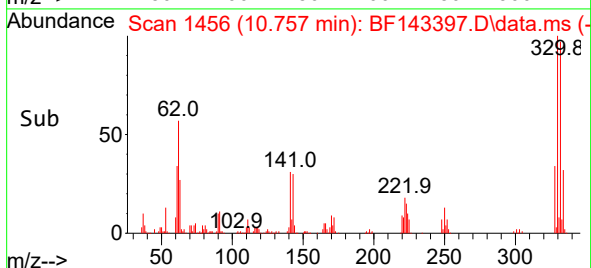
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

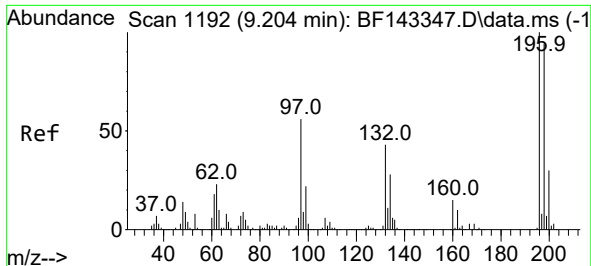


#42
2,4,6-Tribromophenol
Concen: 80.730 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion:330 Resp: 163924
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 29.9 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 41.879 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143397.D

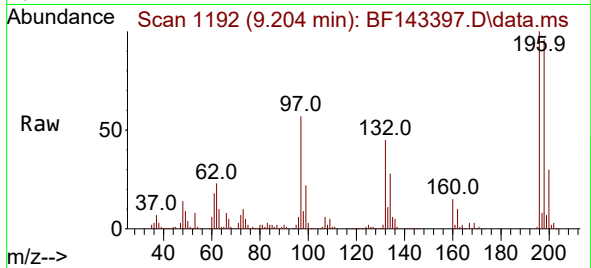
Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:196 Resp: 180650

Ion Ratio Lower Upper

196 100

198 96.3 75.4 113.0

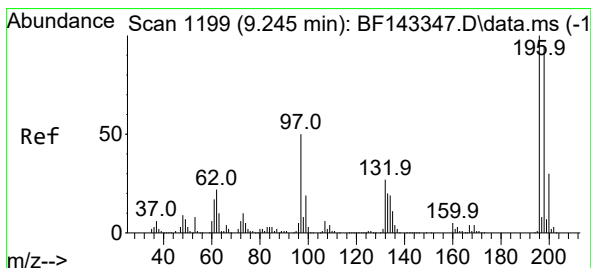
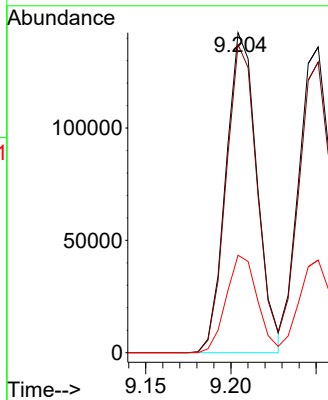
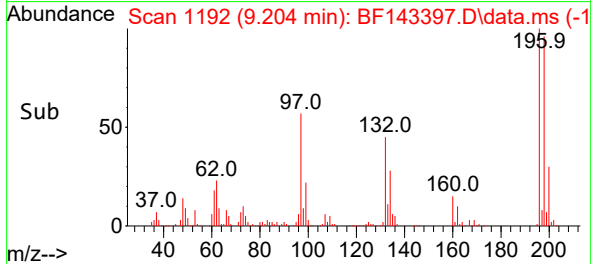
200 30.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#44

2,4,5-Trichlorophenol

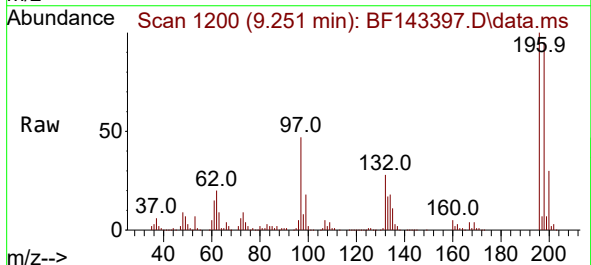
Concen: 39.313 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56



Tgt Ion:196 Resp: 191510

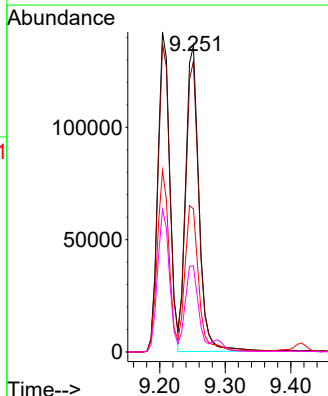
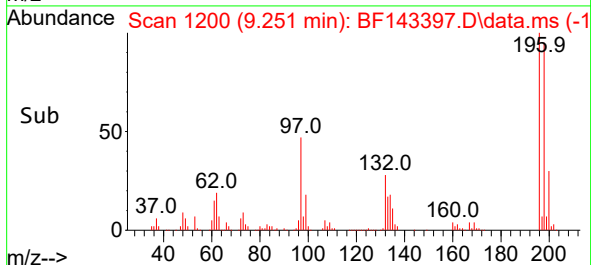
Ion Ratio Lower Upper

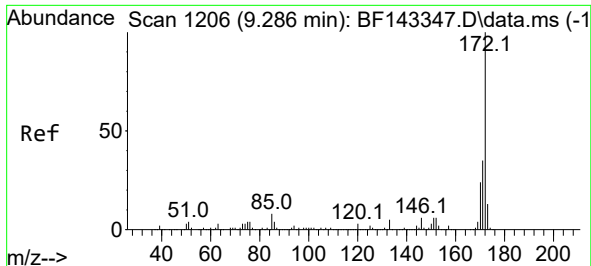
196 100

198 95.1 75.4 113.2

97 46.8 39.9 59.9

132 28.1 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 74.656 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:172 Resp: 122320

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

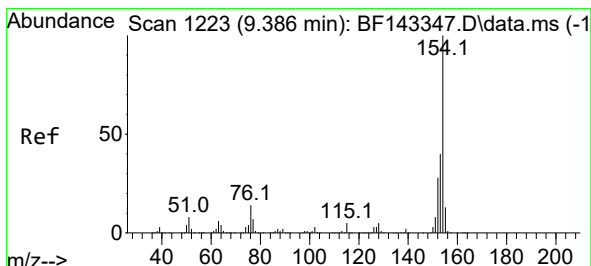
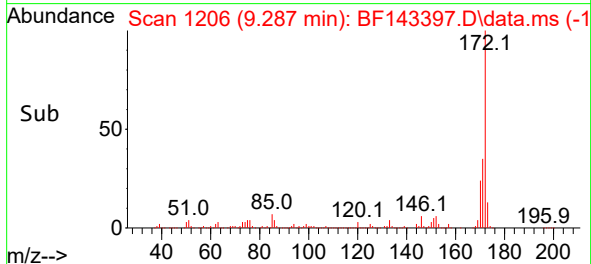
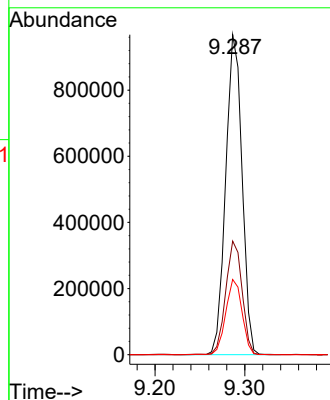
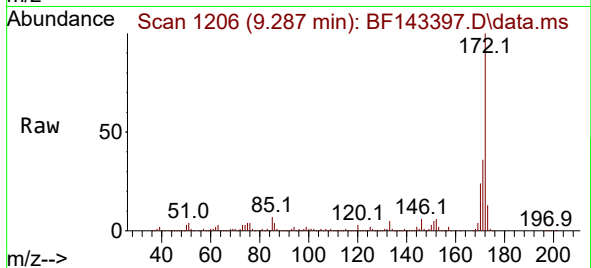
170 23.5 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#46

1,1'-Biphenyl

Concen: 37.371 ng

RT: 9.392 min Scan# 1224

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

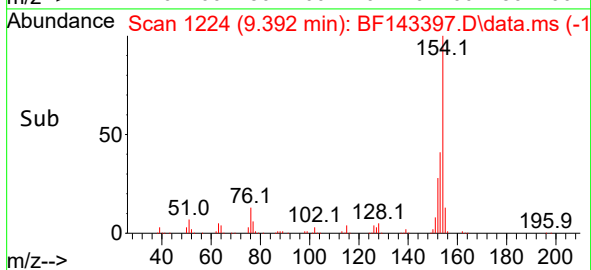
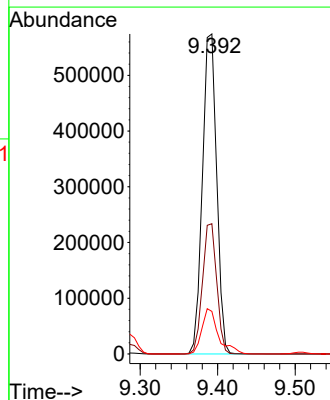
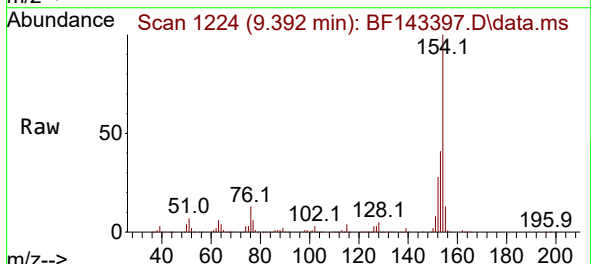
Tgt Ion:154 Resp: 734155

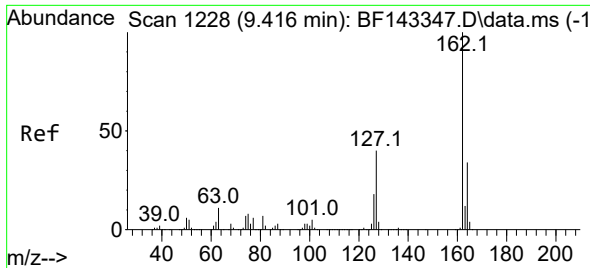
Ion Ratio Lower Upper

154 100

153 40.7 20.2 60.2

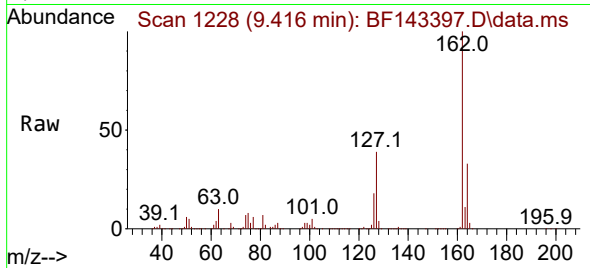
76 13.3 0.0 34.4





#47
2-Chloronaphthalene
Concen: 37.462 ng
RT: 9.416 min Scan# 1228
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

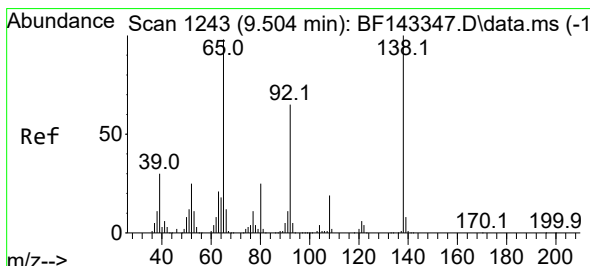
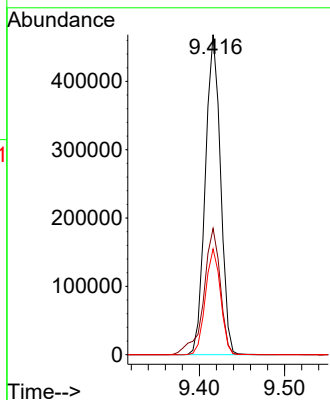
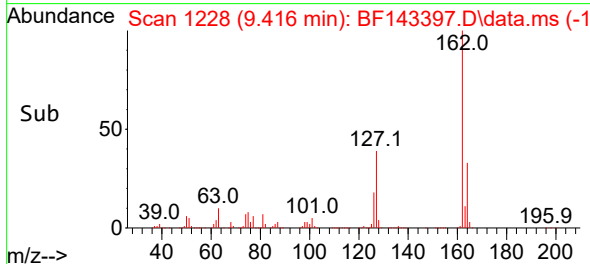
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



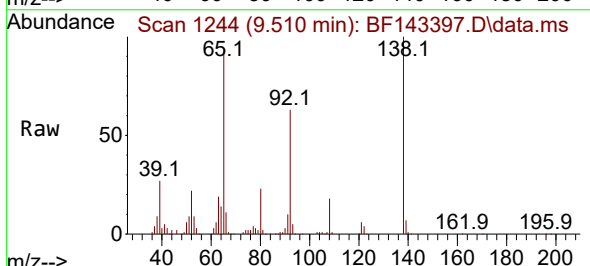
Tgt Ion:162 Resp: 579598
Ion Ratio Lower Upper
162 100
127 39.5 32.1 48.1
164 33.0 27.0 40.4

Manual Integrations
APPROVED

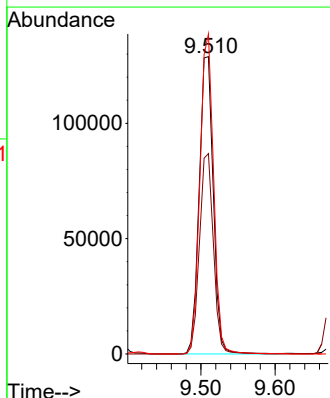
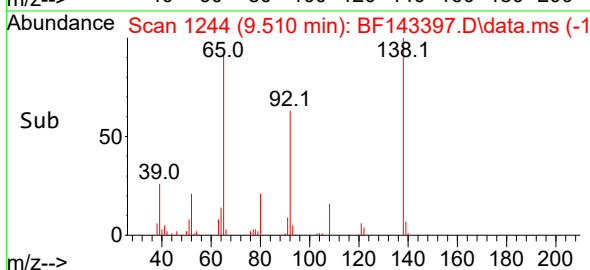
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

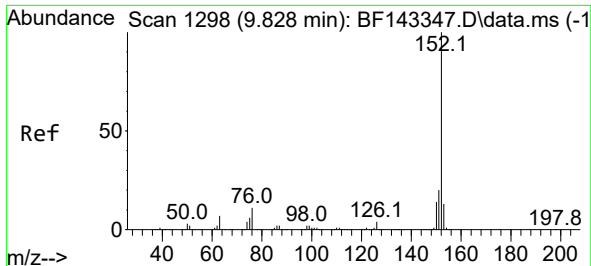


#48
2-Nitroaniline
Concen: 38.817 ng
RT: 9.510 min Scan# 1244
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



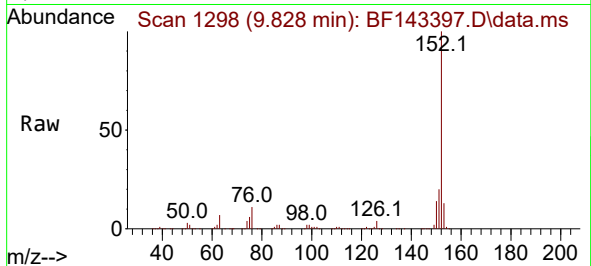
Tgt Ion: 65 Resp: 170708
Ion Ratio Lower Upper
65 100
92 67.4 53.1 79.7
138 107.6 81.4 122.0





#49
Acenaphthylene
Concen: 36.573 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

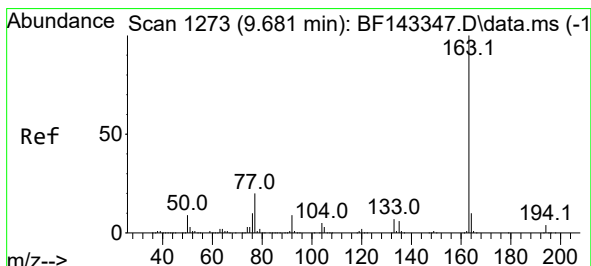
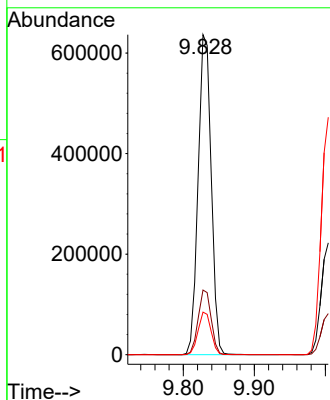
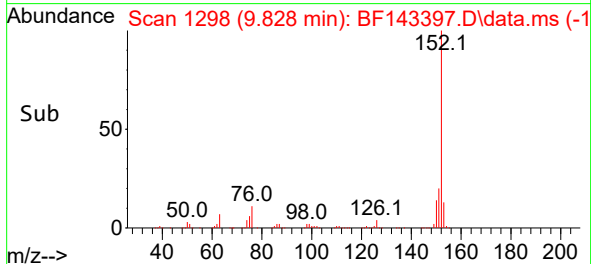
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



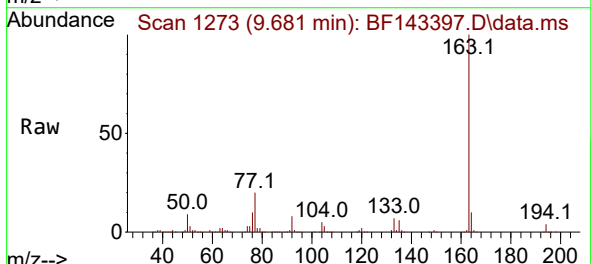
Tgt Ion:152 Resp: 81715
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.3 10.6 16.0

Manual Integrations
APPROVED

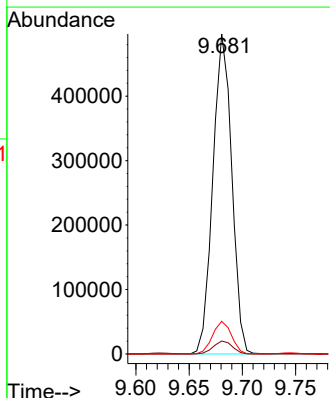
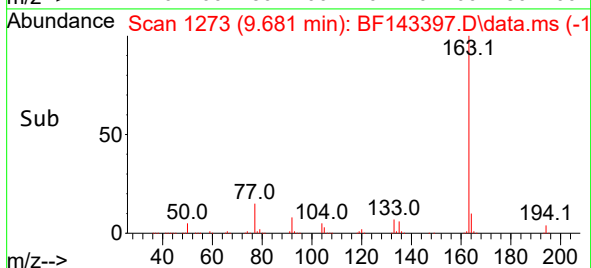
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

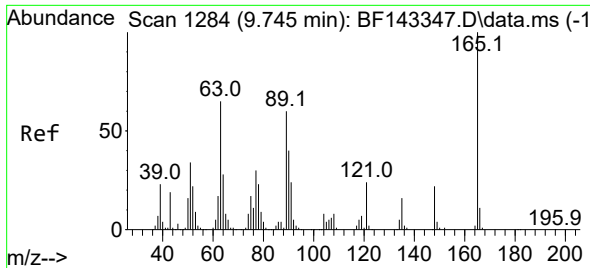


#50
Dimethylphthalate
Concen: 37.666 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



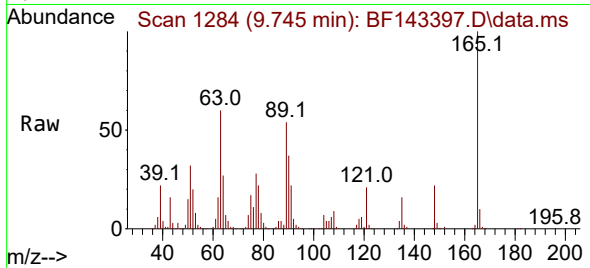
Tgt Ion:163 Resp: 611502
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 40.788 ng
RT: 9.745 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

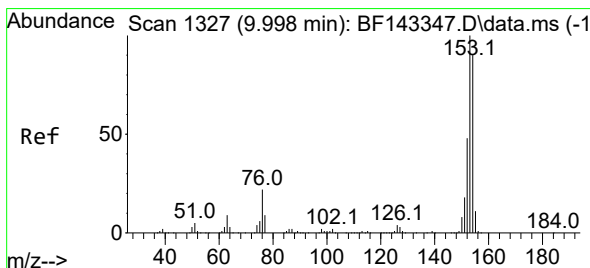
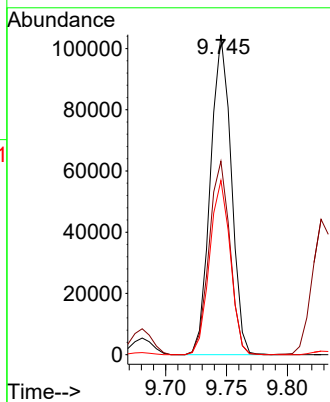
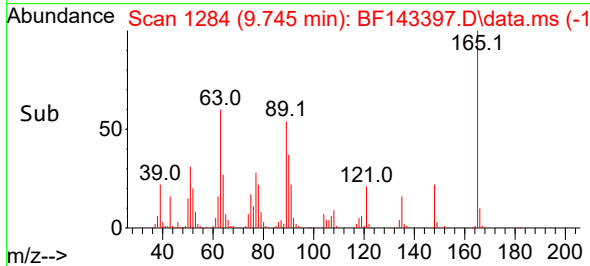
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



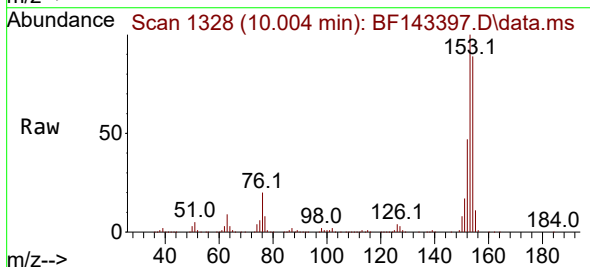
Tgt Ion:165 Resp: 12384
Ion Ratio Lower Upper
165 100
63 60.5 51.6 77.4
89 54.4 47.7 71.5

Manual Integrations
APPROVED

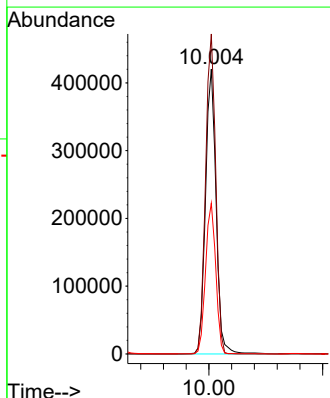
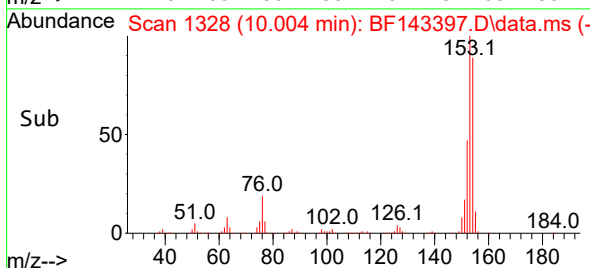
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

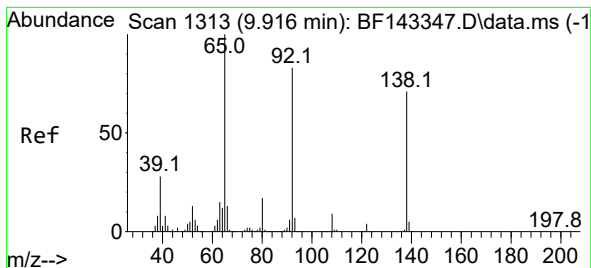


#52
Acenaphthene
Concen: 36.423 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



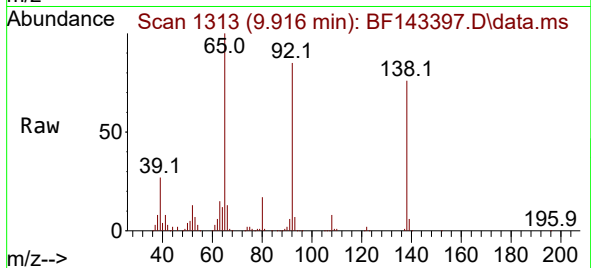
Tgt Ion:154 Resp: 541033
Ion Ratio Lower Upper
154 100
153 112.3 88.5 132.7
152 52.9 42.4 63.6





#53
3-Nitroaniline
Concen: 41.020 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

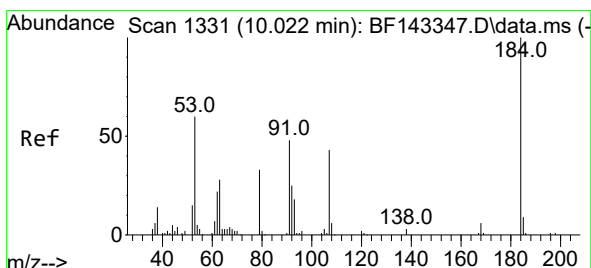
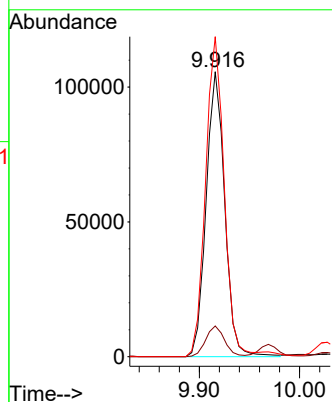
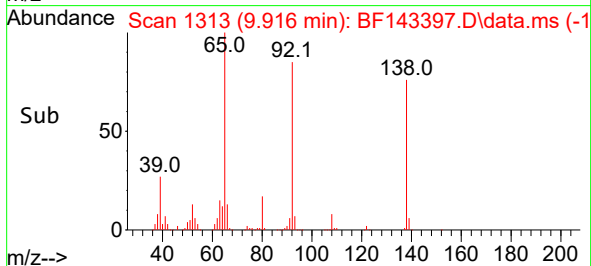
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



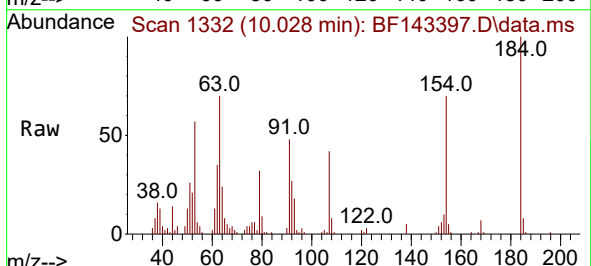
Tgt Ion:138 Resp: 13638
Ion Ratio Lower Upper
138 100
108 10.8 9.6 14.4
92 112.3 93.4 140.2

Manual Integrations
APPROVED

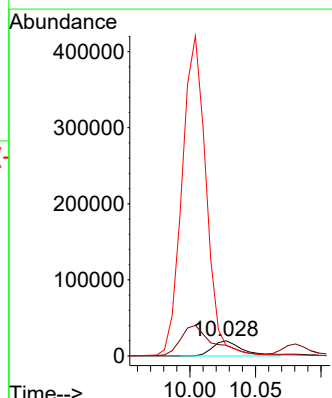
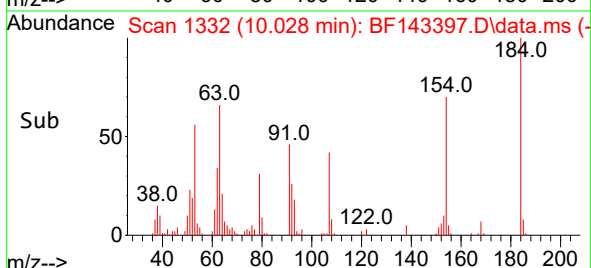
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

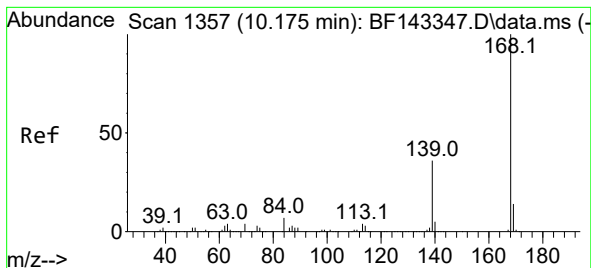


#54
2,4-Dinitrophenol
Concen: 35.584 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



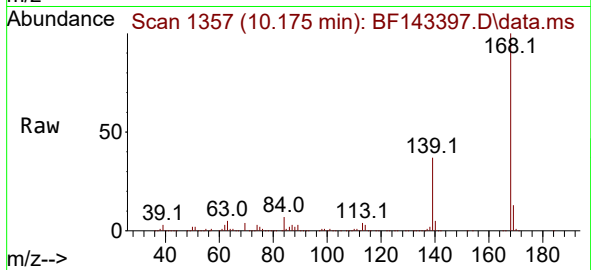
Tgt Ion:184 Resp: 31584
Ion Ratio Lower Upper
184 100
63 70.2 62.5 93.7
154 69.7 73.0 109.4#





#55
Dibenzenofuran
Concen: 36.113 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

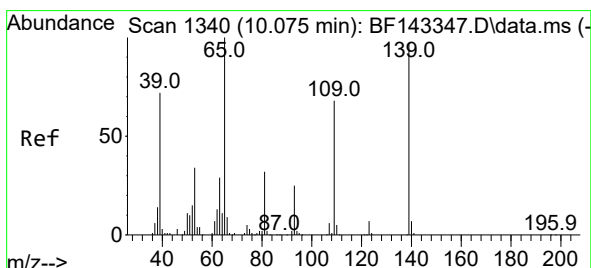
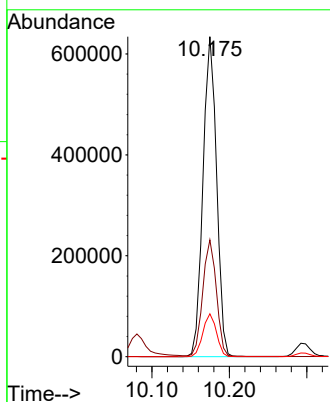
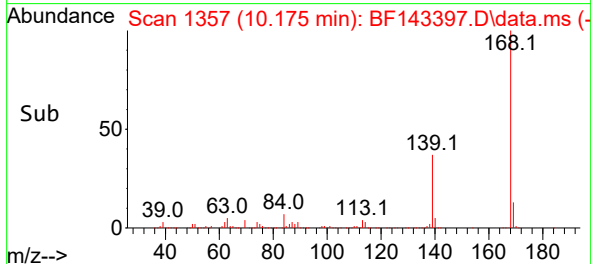
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



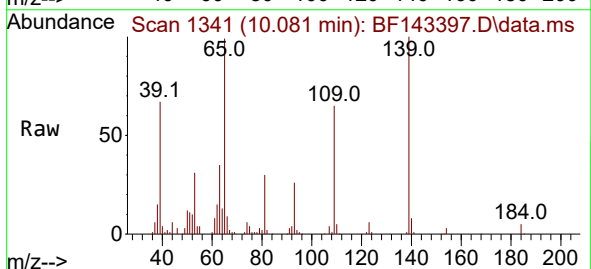
Tgt Ion:168 Resp: 772029
Ion Ratio Lower Upper
168 100
139 36.5 29.4 44.0
169 13.4 11.0 16.6

Manual Integrations
APPROVED

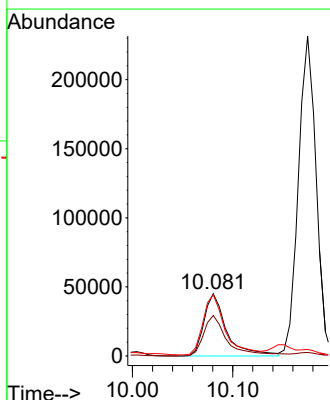
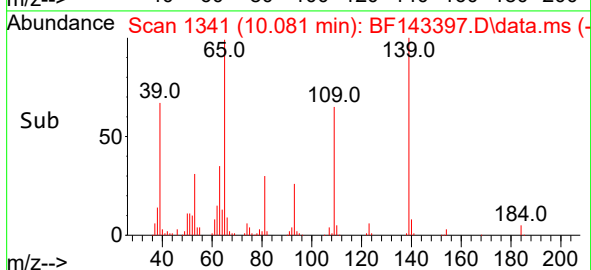
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

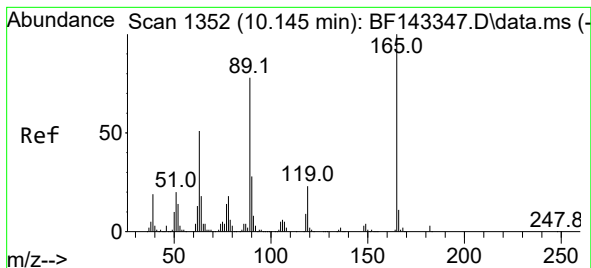


#56
4-Nitrophenol
Concen: 30.288 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



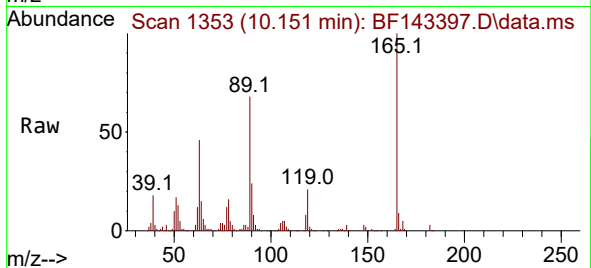
Tgt Ion:139 Resp: 70771
Ion Ratio Lower Upper
139 100
109 65.1 49.4 89.4
65 98.6 83.7 123.7





#57
2,4-Dinitrotoluene
Concen: 39.688 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

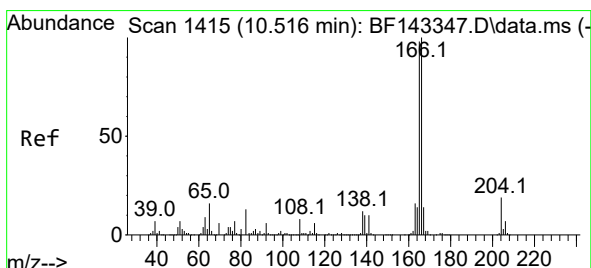
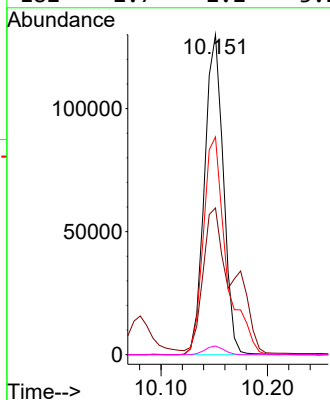
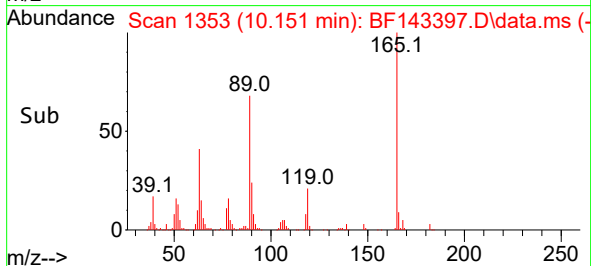
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



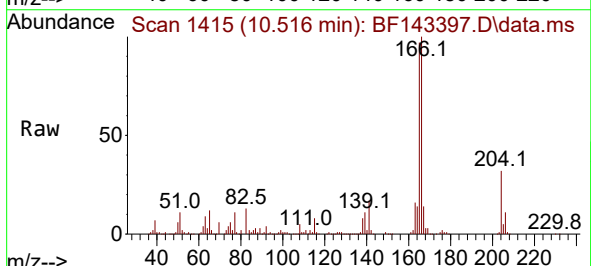
Tgt Ion:165 Resp: 15952
Ion Ratio Lower Upper
165 100
63 45.8 41.8 62.8
89 68.0 62.4 93.6
182 2.7 2.2 3.2

Manual Integrations
APPROVED

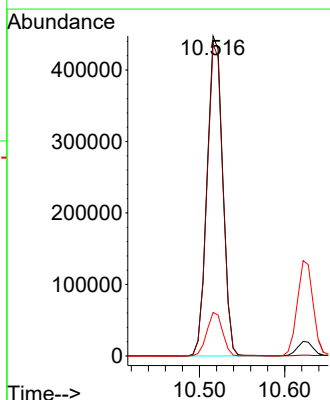
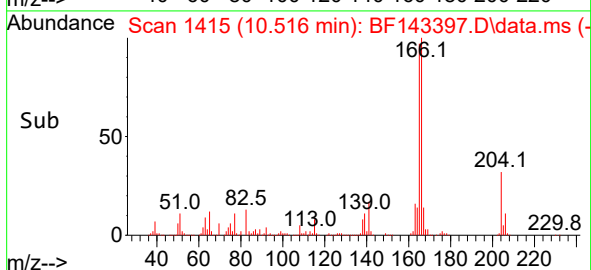
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

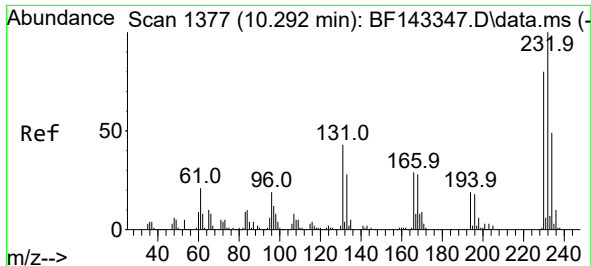


#58
Fluorene
Concen: 35.081 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



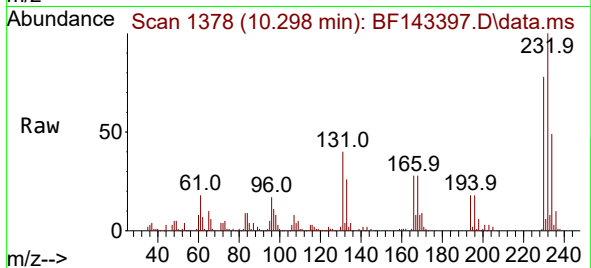
Tgt Ion:166 Resp: 572834
Ion Ratio Lower Upper
166 100
165 97.4 78.2 117.4
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.774 ng
RT: 10.298 min Scan# 1378
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

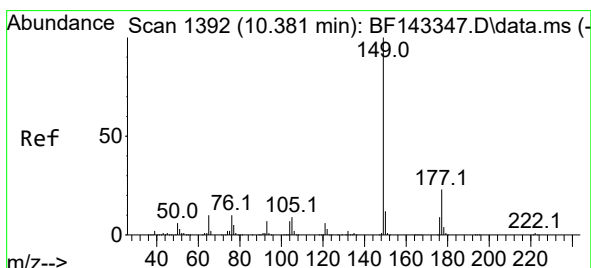
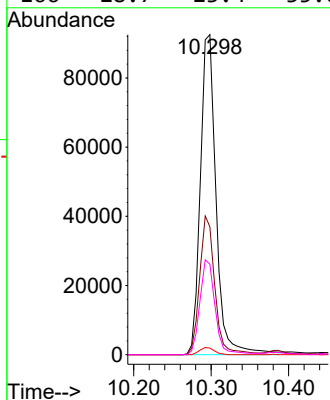
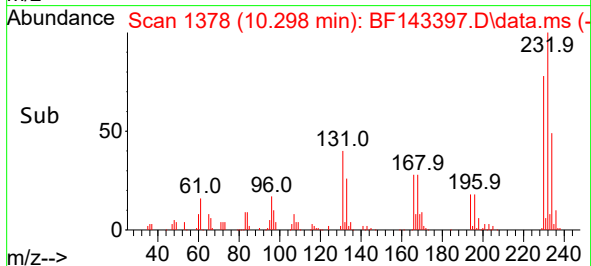
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



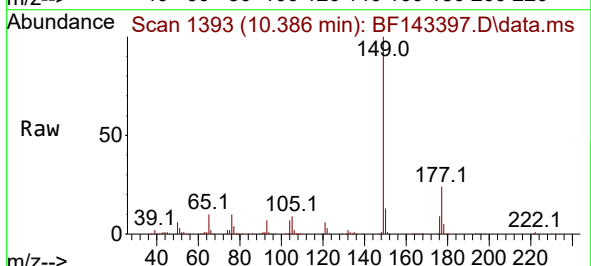
Tgt Ion:232 Resp: 130610
Ion Ratio Lower Upper
232 100
131 41.9 34.6 51.8
130 2.1 1.7 2.5
166 28.7 23.4 35.0

Manual Integrations
APPROVED

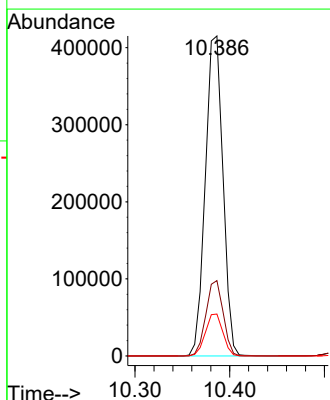
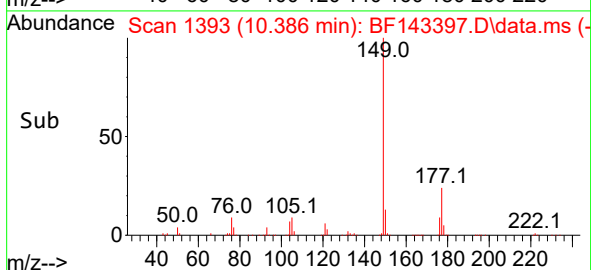
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

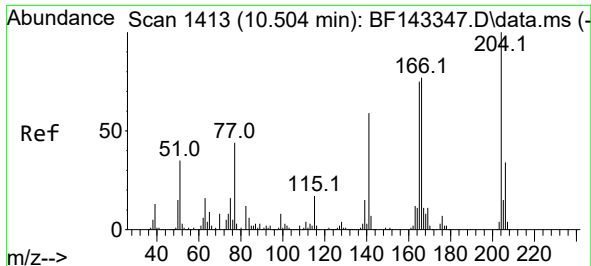


#60
Diethylphthalate
Concen: 36.866 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



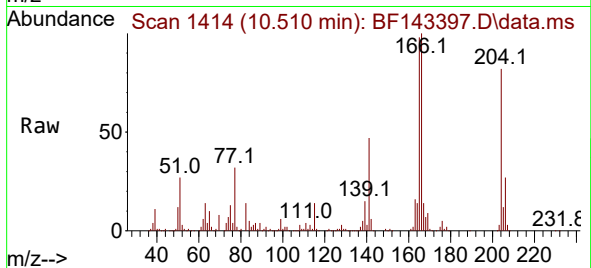
Tgt Ion:149 Resp: 536101
Ion Ratio Lower Upper
149 100
177 23.6 18.2 27.2
150 13.1 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 36.239 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

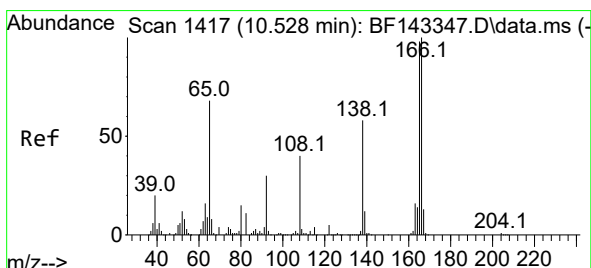
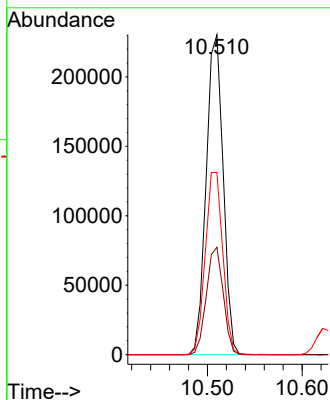
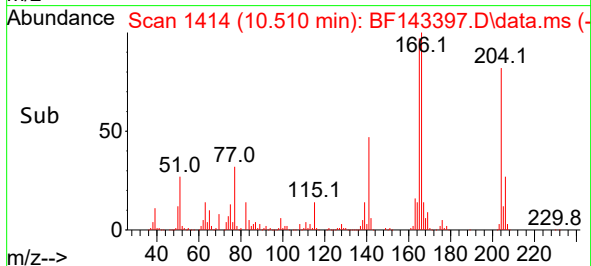
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



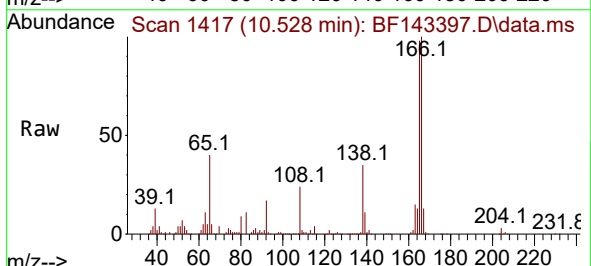
Tgt Ion:204 Resp: 285928
Ion Ratio Lower Upper
204 100
206 33.6 27.4 41.2
141 57.0 46.9 70.3

Manual Integrations
APPROVED

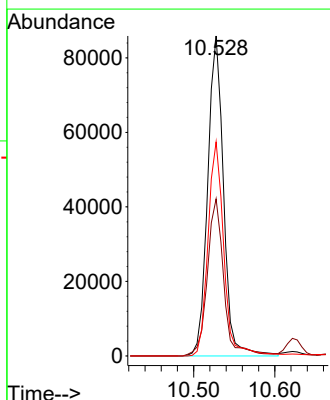
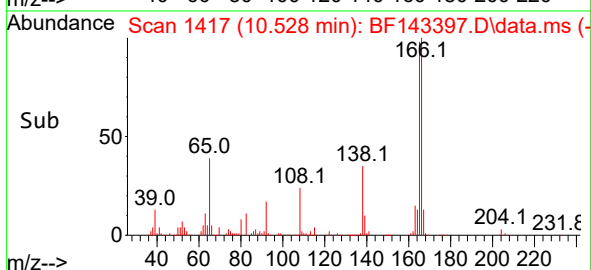
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

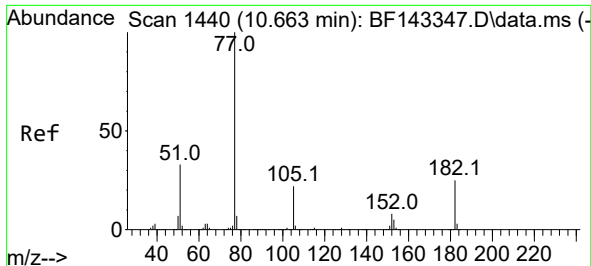


#62
4-Nitroaniline
Concen: 36.245 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



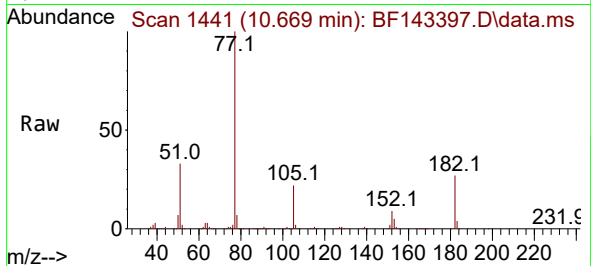
Tgt Ion:138 Resp: 116589
Ion Ratio Lower Upper
138 100
92 49.1 31.2 71.2
108 66.9 48.1 88.1





#63
Azobenzene
Concen: 33.836 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

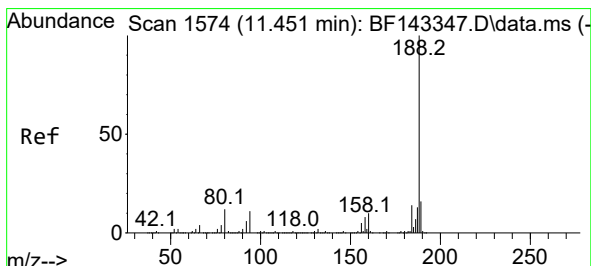
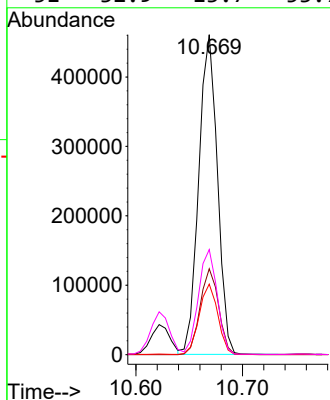
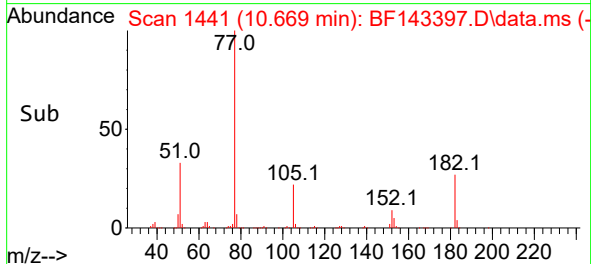
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



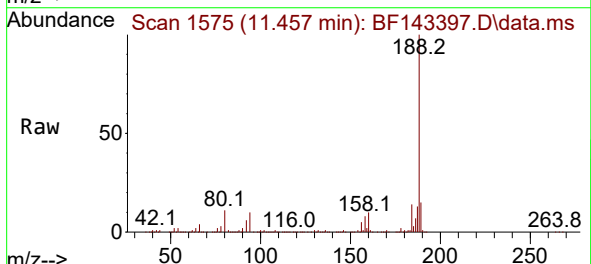
Tgt Ion: 77 Resp: 562010
Ion Ratio Lower Upper
77 100
182 26.8 4.4 44.4
105 22.1 1.8 41.8
51 32.9 13.7 53.7

Manual Integrations
APPROVED

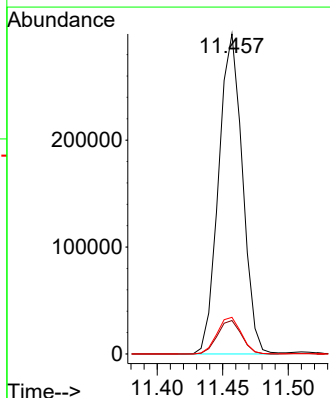
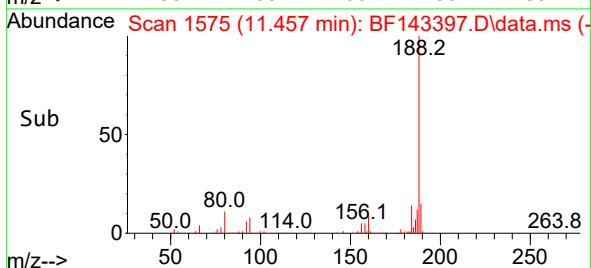
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

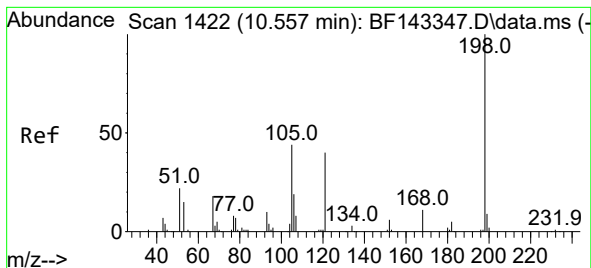


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



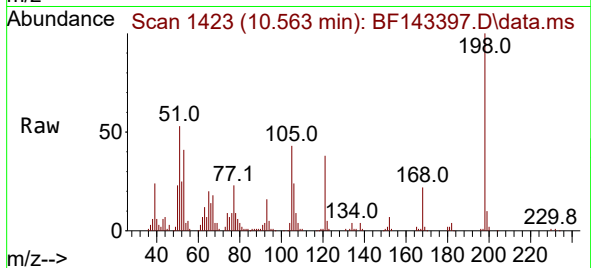
Tgt Ion:188 Resp: 378614
Ion Ratio Lower Upper
188 100
94 10.5 8.8 13.2
80 11.5 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 43.140 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

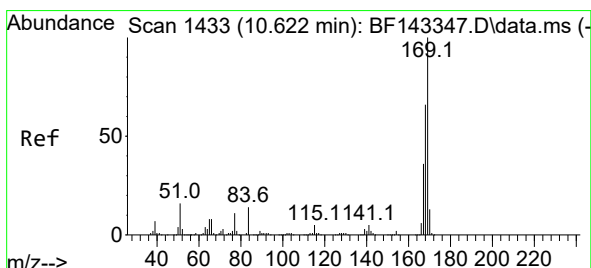
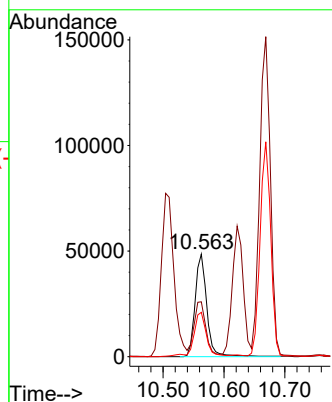
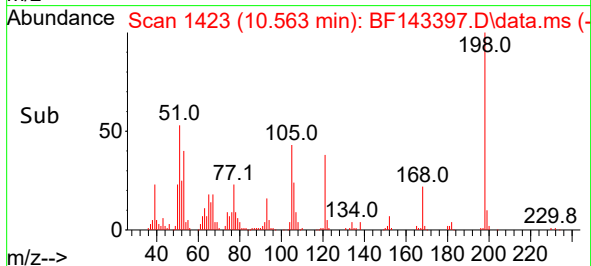
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



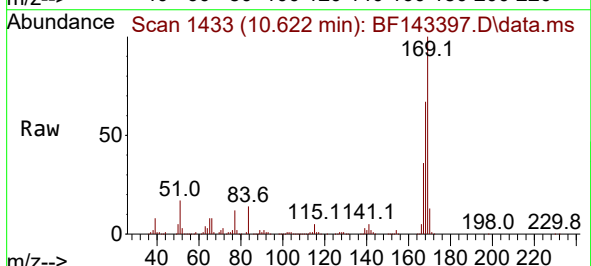
Tgt Ion:198 Resp: 64754
Ion Ratio Lower Upper
198 100
51 53.5 41.7 81.7
105 43.2 26.8 66.8

Manual Integrations
APPROVED

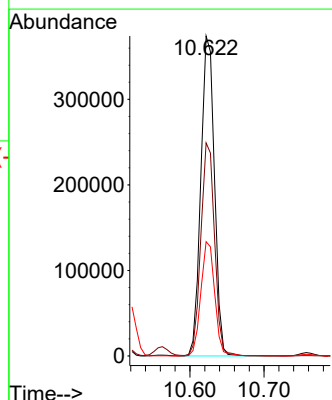
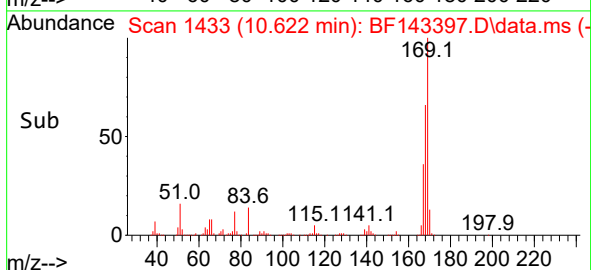
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

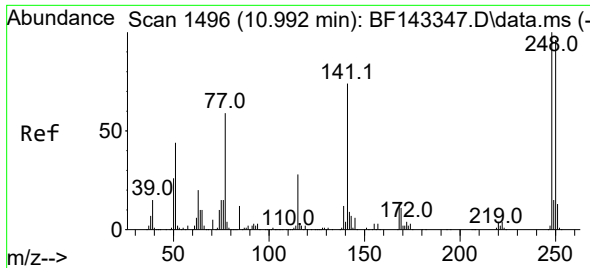


#66
n-Nitrosodiphenylamine
Concen: 38.245 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



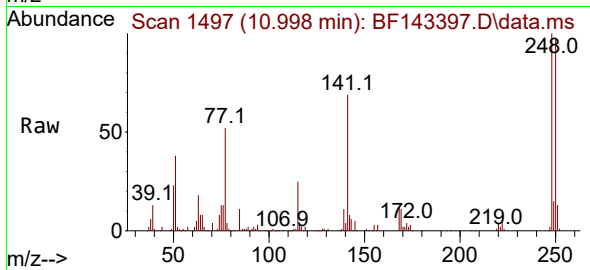
Tgt Ion:169 Resp: 476800
Ion Ratio Lower Upper
169 100
168 66.6 52.7 79.1
167 35.7 28.6 42.8





#67
4-Bromophenyl-phenylether
Concen: 39.924 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

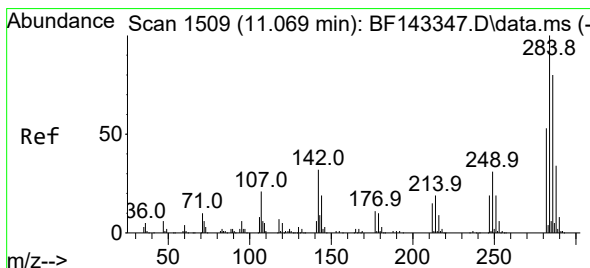
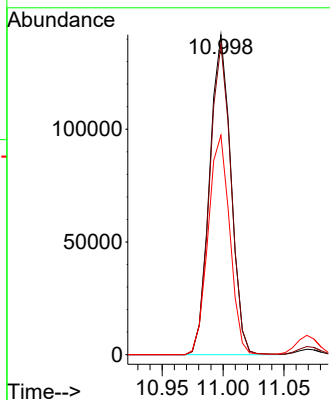
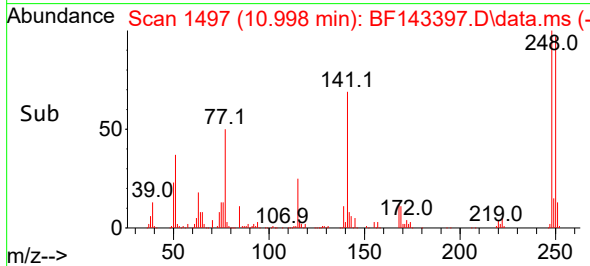
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



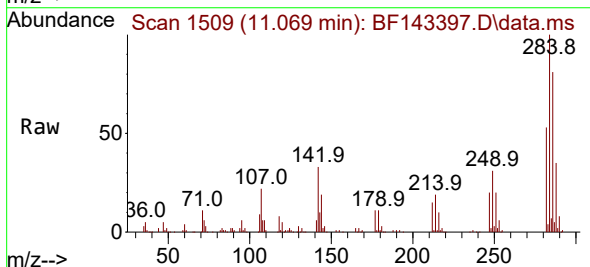
Tgt Ion:248 Resp: 172874
Ion Ratio Lower Upper
248 100
250 97.1 77.1 115.7
141 68.5 59.1 88.7

Manual Integrations
APPROVED

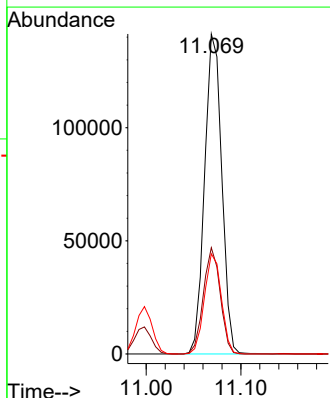
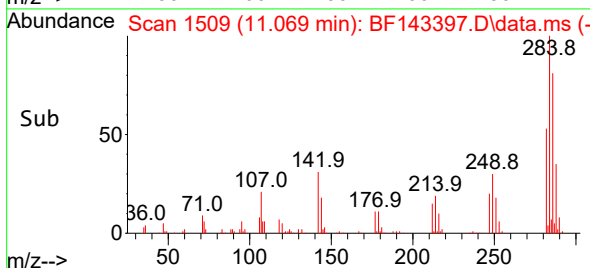
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

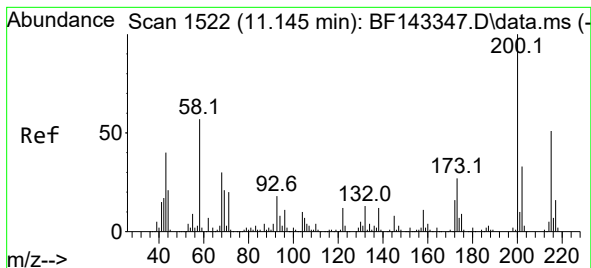


#68
Hexachlorobenzene
Concen: 38.074 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



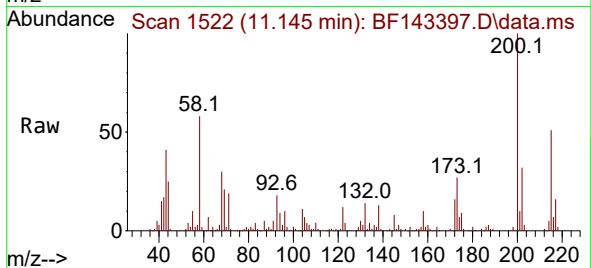
Tgt Ion:284 Resp: 177709
Ion Ratio Lower Upper
284 100
142 33.2 25.7 38.5
249 31.3 24.6 37.0





#69
Atrazine
Concen: 40.779 ng
RT: 11.145 min Scan# 1522
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

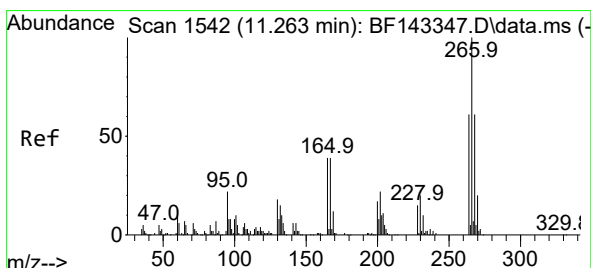
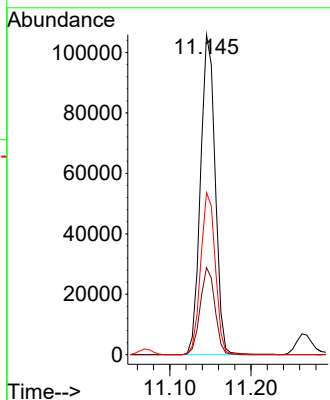
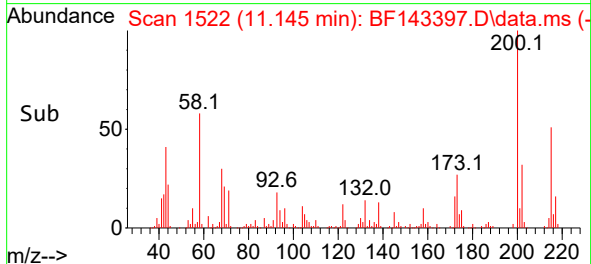
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



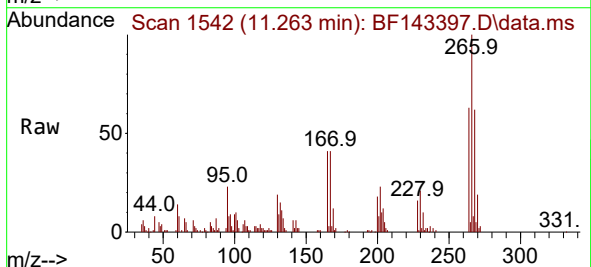
Tgt Ion:200 Resp: 13259
Ion Ratio Lower Upper
200 100
173 27.3 6.6 46.6
215 50.7 30.6 70.6

Manual Integrations
APPROVED

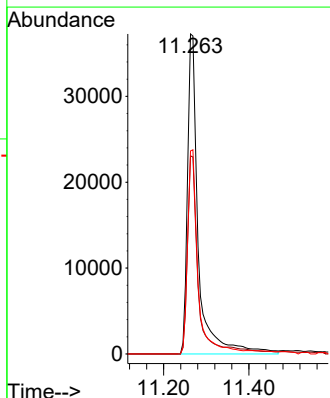
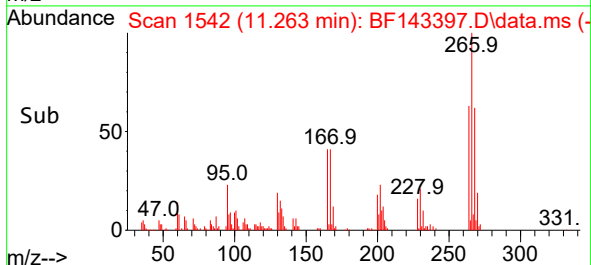
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

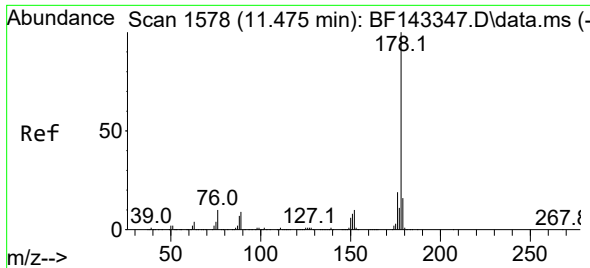


#70
Pentachlorophenol
Concen: 32.879 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



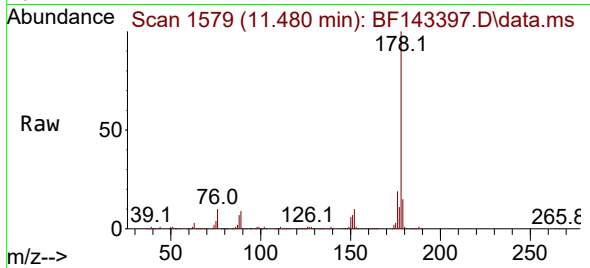
Tgt Ion:266 Resp: 66512
Ion Ratio Lower Upper
266 100
268 61.9 48.8 73.2
264 63.4 48.8 73.2





#71
Phenanthrene
Concen: 35.962 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

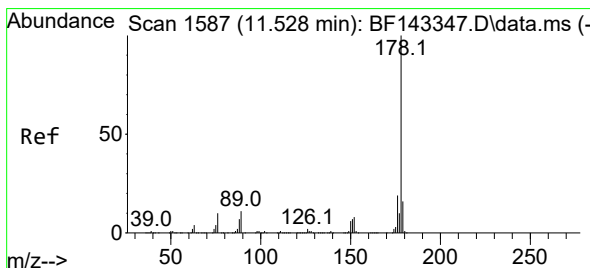
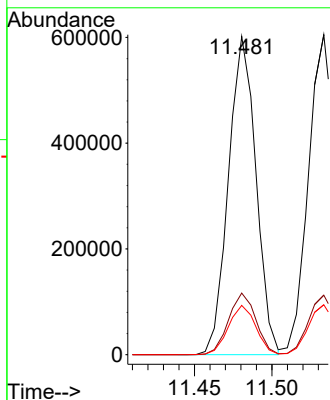
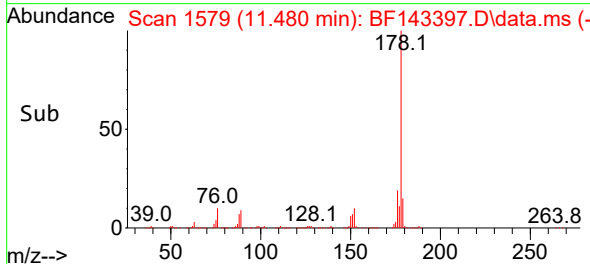
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



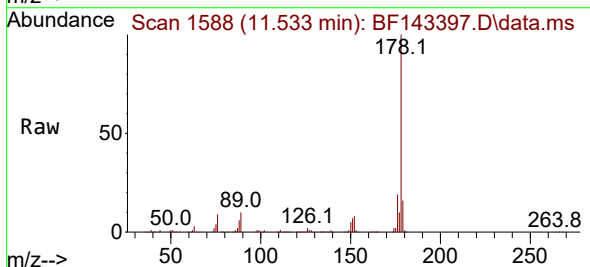
Tgt Ion:178 Resp: 74286
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.5 12.5 18.7

Manual Integrations
APPROVED

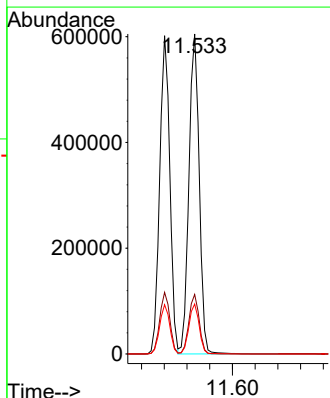
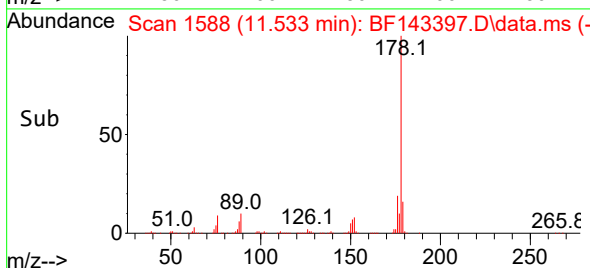
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

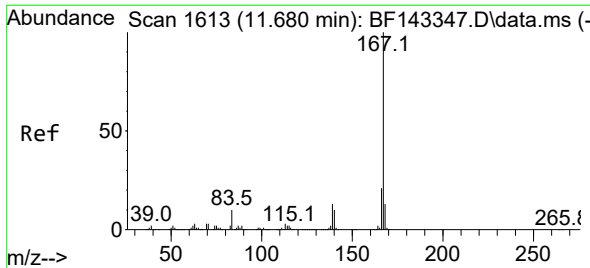


#72
Anthracene
Concen: 36.392 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



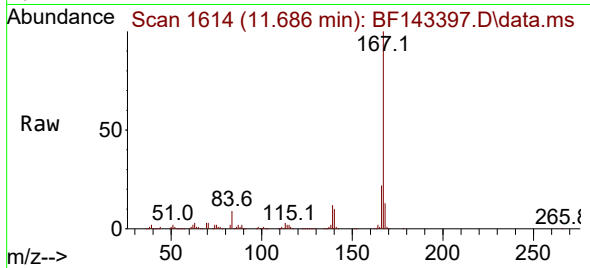
Tgt Ion:178 Resp: 762390
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.6 12.7 19.1





#73
Carbazole
Concen: 34.117 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

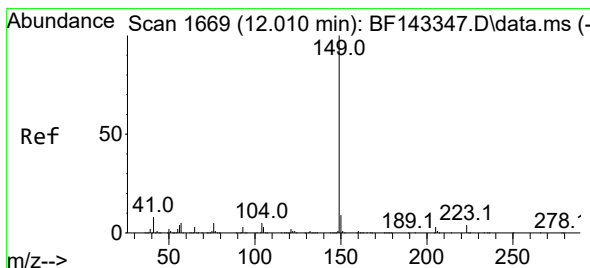
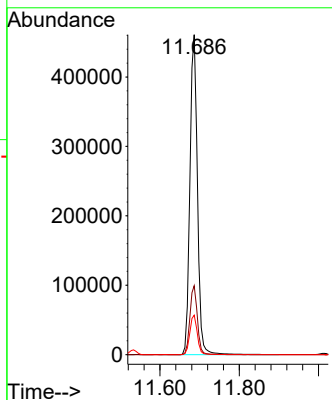
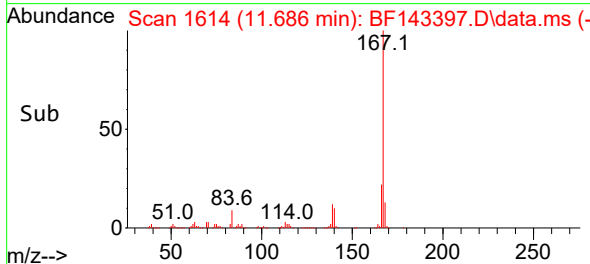
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:167 Resp: 60869
Ion Ratio Lower Upper
167 100
166 21.5 16.8 25.2
139 12.3 10.2 15.2

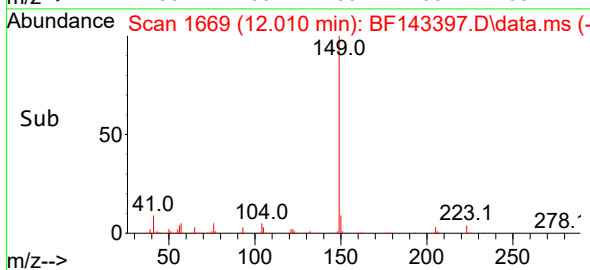
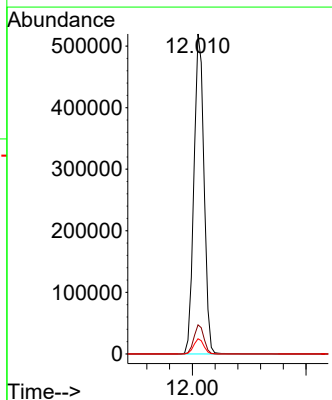
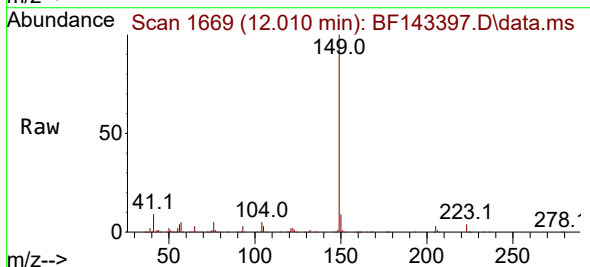
Manual Integrations
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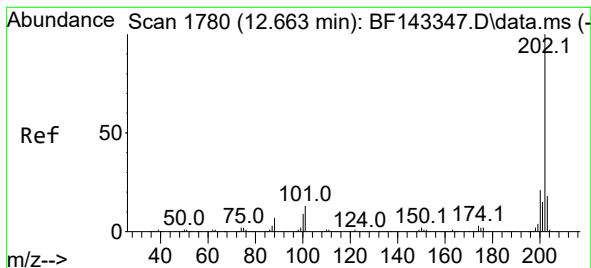
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#74
Di-n-butylphthalate
Concen: 42.631 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 643625
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 4.8 3.8 5.8





#75

Fluoranthene

Concen: 34.718 ng

RT: 12.669 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143397.D

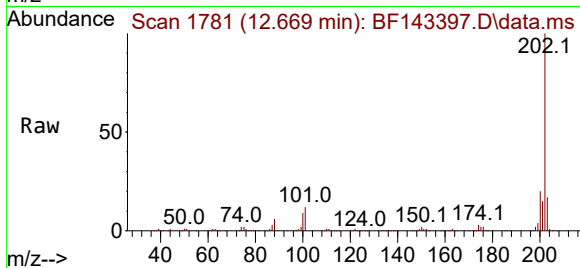
Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:202 Resp: 628208

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

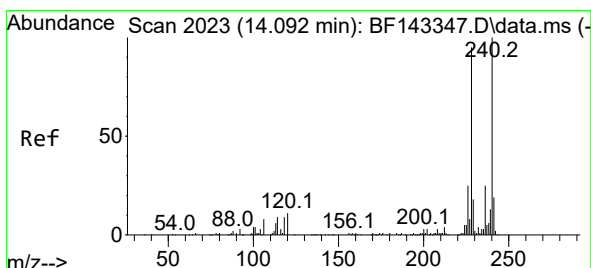
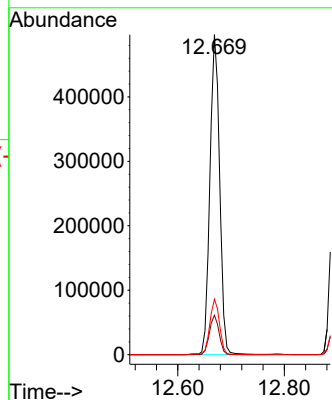
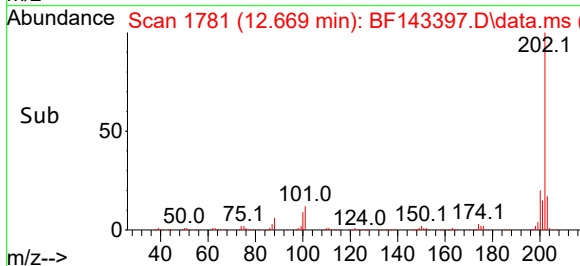
203 17.4 0.0 37.6

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

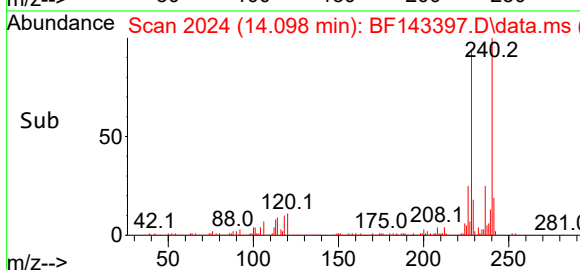
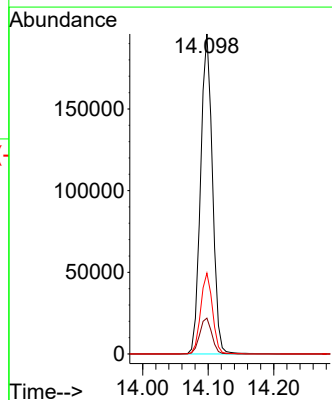
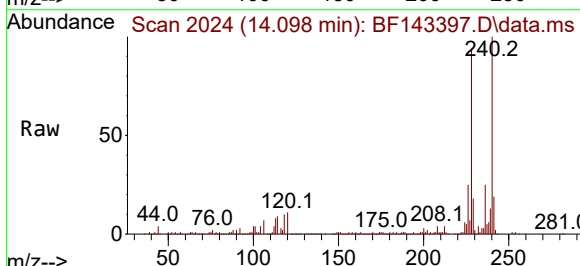
Tgt Ion:240 Resp: 246790

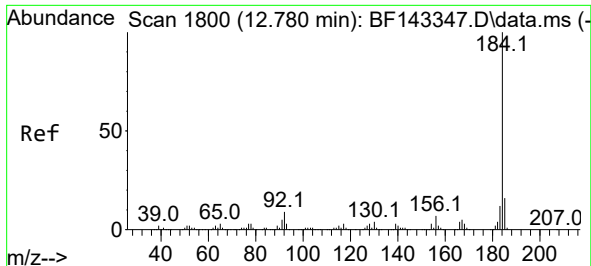
Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.6

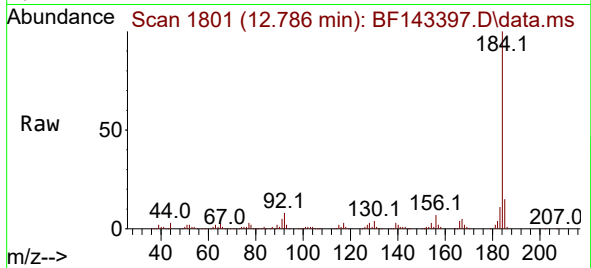
236 25.3 19.9 29.9





#77
Benzidine
Concen: 37.244 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

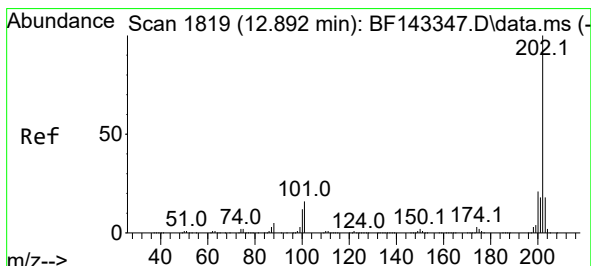
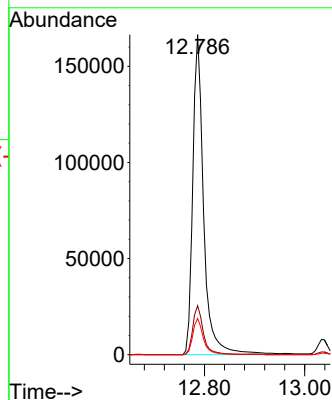
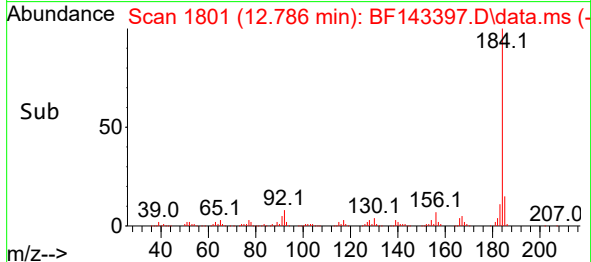
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



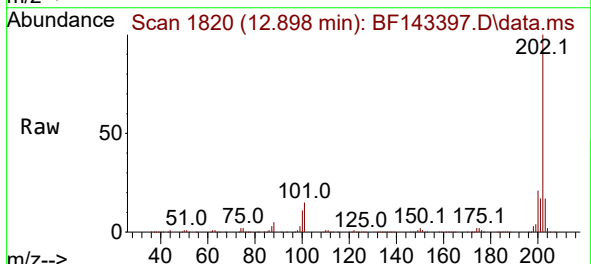
Tgt Ion:184 Resp: 25128
Ion Ratio Lower Upper
184 100
185 15.3 12.8 19.2
183 11.3 9.3 13.9

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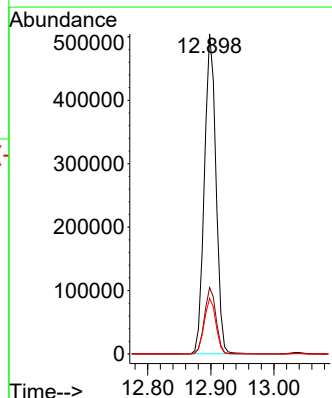
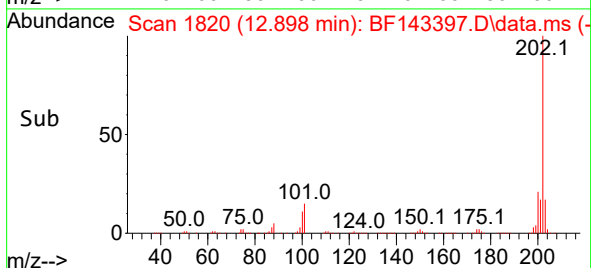
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

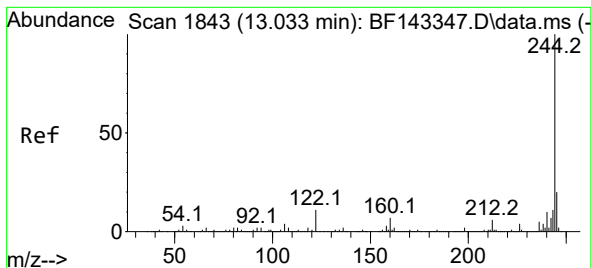


#78
Pyrene
Concen: 30.918 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



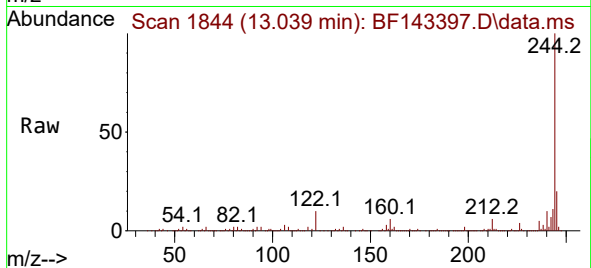
Tgt Ion:202 Resp: 640096
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 17.4 14.2 21.4





#79
Terphenyl-d14
Concen: 63.756 ng
RT: 13.039 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

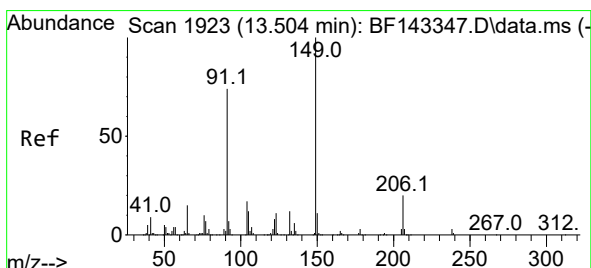
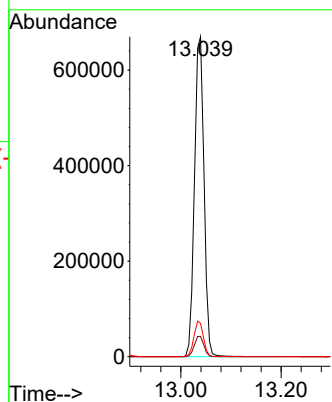
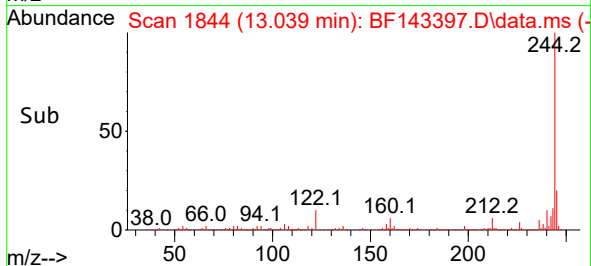
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



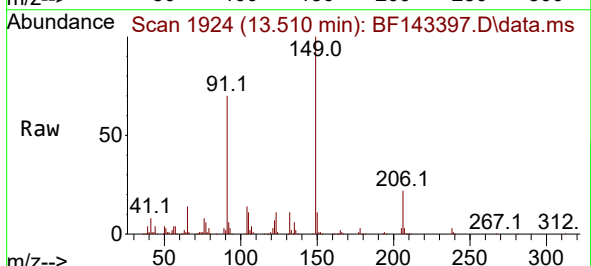
Tgt Ion:244 Resp: 881305
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 10.4 8.9 13.3

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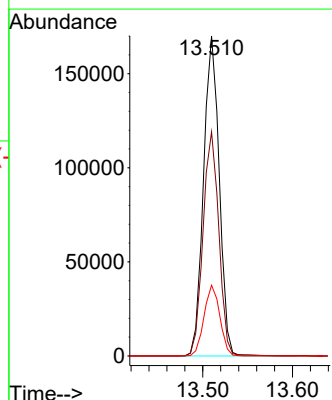
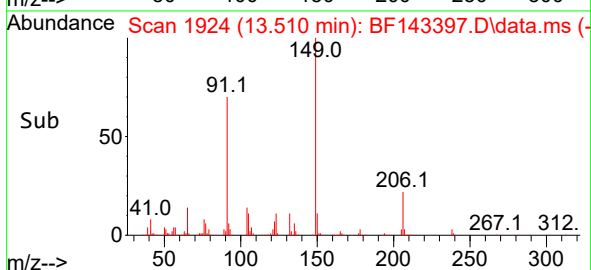
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

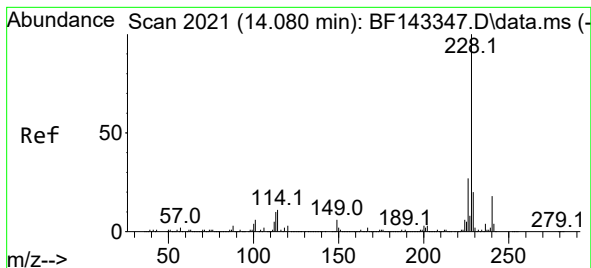


#80
Butylbenzylphthalate
Concen: 50.287 ng
RT: 13.510 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion:149 Resp: 206438
Ion Ratio Lower Upper
149 100
91 70.1 58.8 88.2
206 22.1 16.4 24.6





#81

Benzo(a)anthracene

Concen: 35.746 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:228 Resp: 560700

Ion Ratio Lower Upper

228 100

226 26.9 22.0 33.0

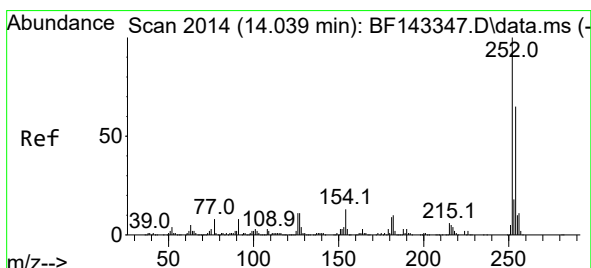
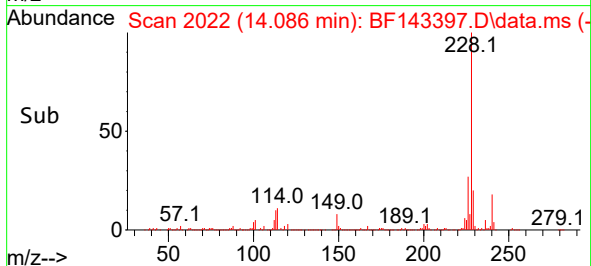
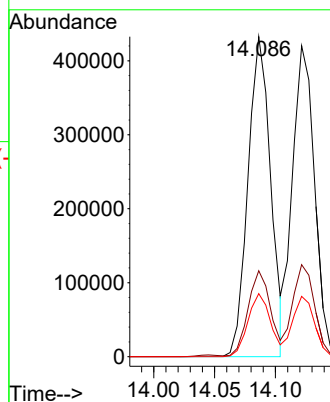
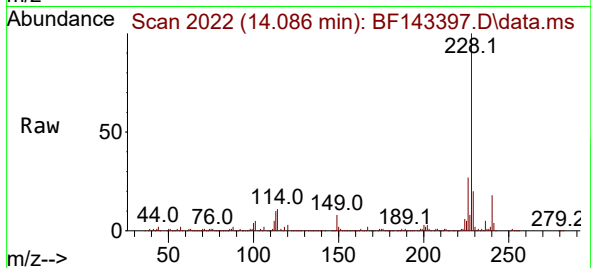
229 19.7 15.8 23.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 44.526 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

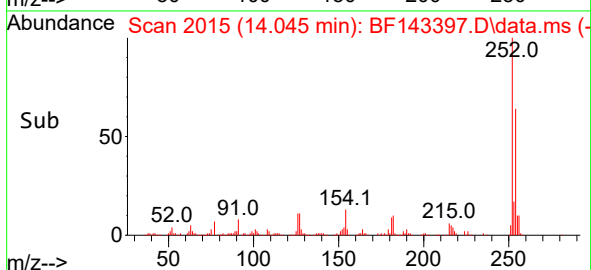
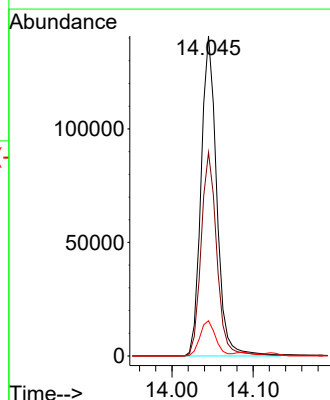
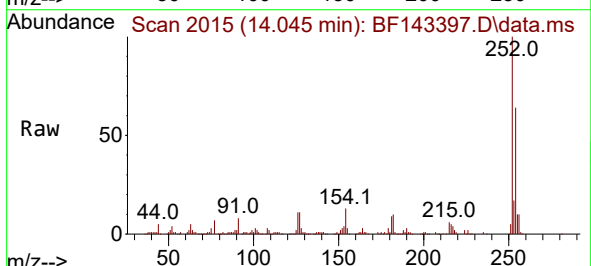
Tgt Ion:252 Resp: 188593

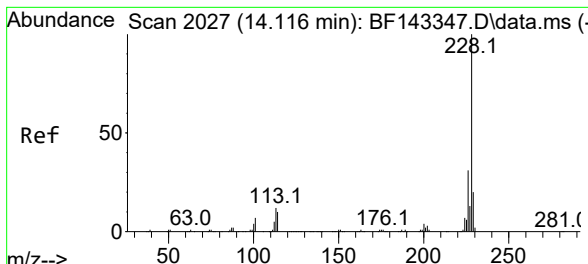
Ion Ratio Lower Upper

252 100

254 63.7 51.7 77.5

126 11.0 9.2 13.8





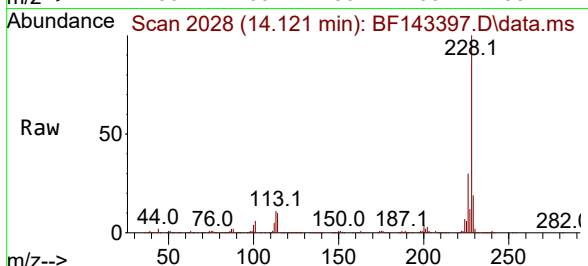
#83
 Chrysene
 Concen: 36.741 ng
 RT: 14.121 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF143397.D
 Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

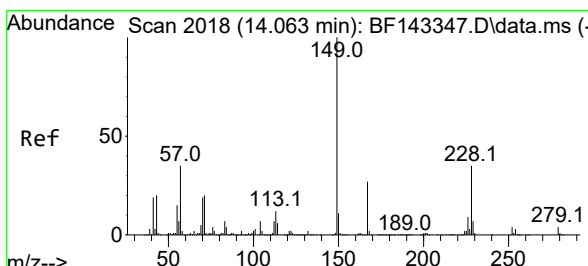
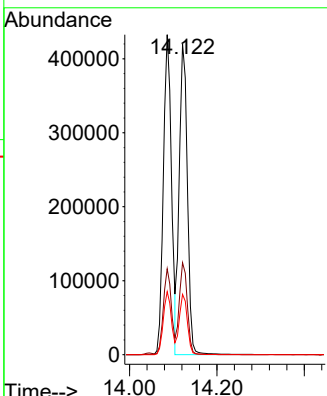
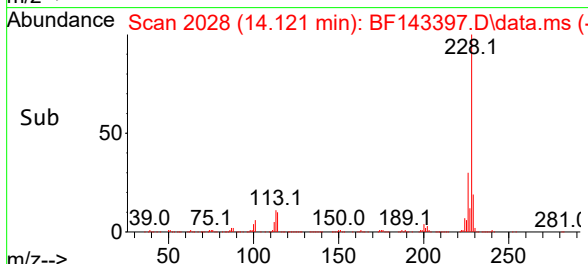
SSTDCCC040EC



Tgt Ion:	228	Resp:	537379
Ion Ratio	100	Lower	Upper
228	100		
226	29.6	24.2	36.2
229	19.4	15.8	23.6

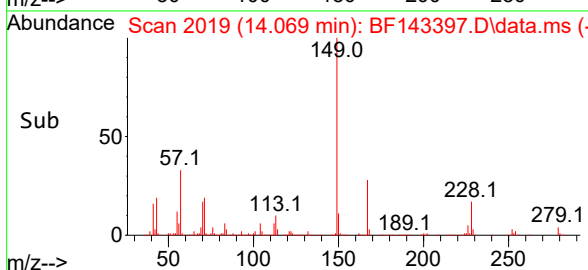
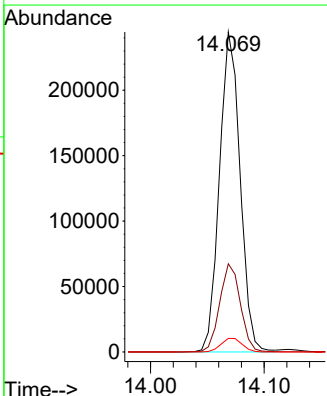
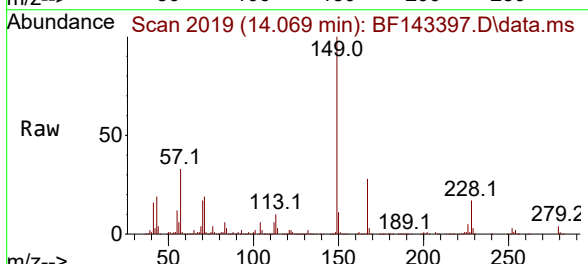
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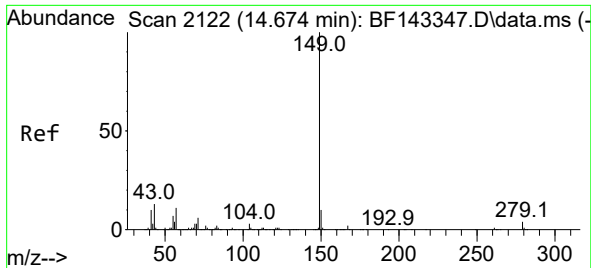
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 51.120 ng
 RT: 14.069 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF143397.D
 Acq: 14 Aug 2025 22:56

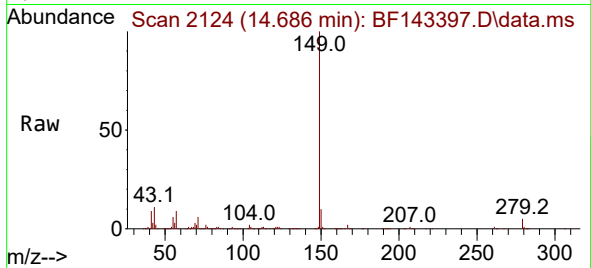
Tgt Ion:	149	Resp:	309325
Ion Ratio	100	Lower	Upper
149	100		
167	27.6	21.4	32.0
279	4.2	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 50.655 ng
RT: 14.686 min Scan# 2122
Delta R.T. 0.012 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

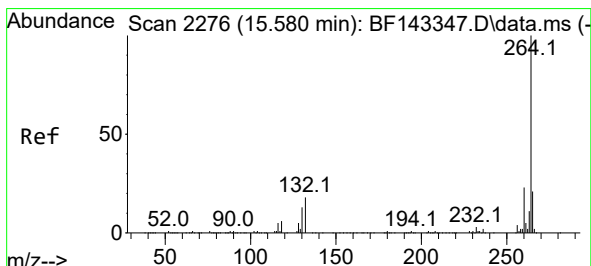
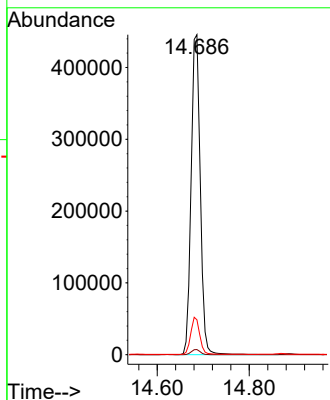
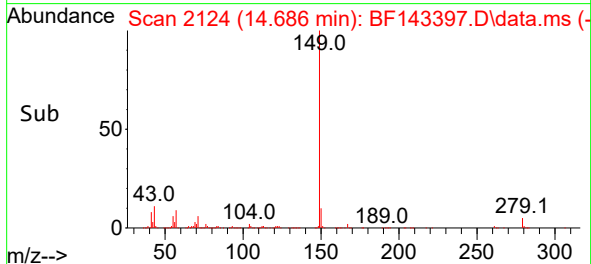
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



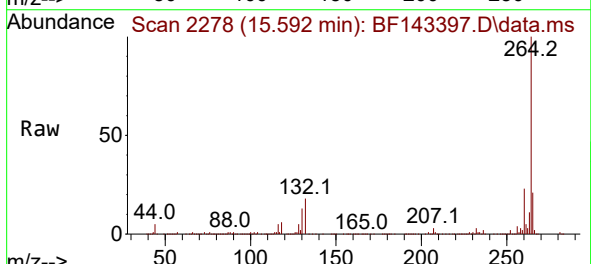
Tgt Ion:149 Resp: 611488
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.4 10.8 16.2

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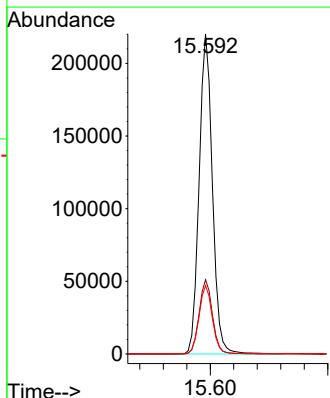
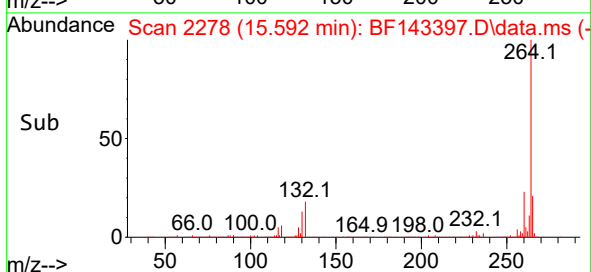
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

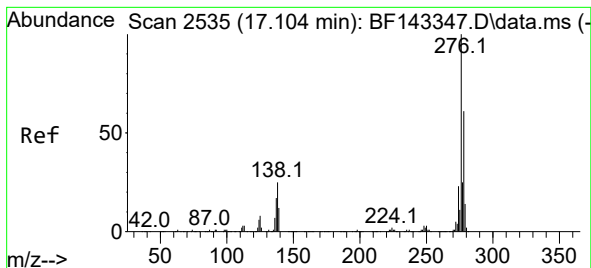


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. 0.012 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion:264 Resp: 345291
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.381 ng

RT: 17.121 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:276 Resp: 92473

Ion Ratio Lower Upper

276 100

138 25.8 21.1 31.7

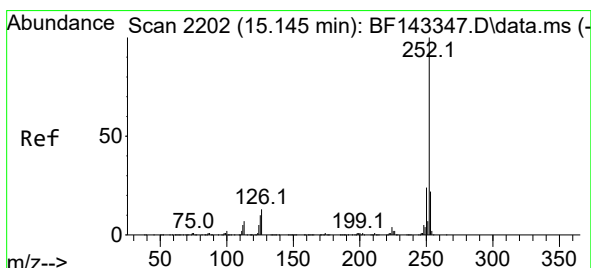
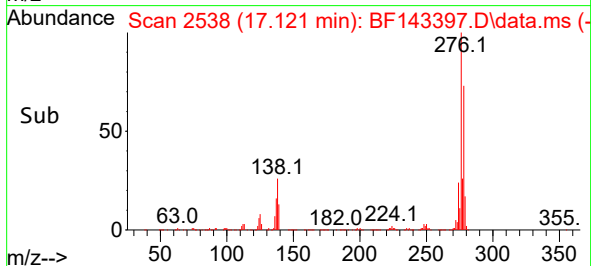
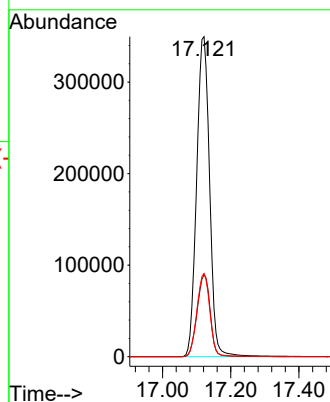
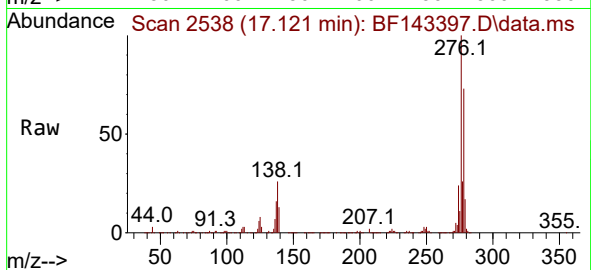
277 25.9 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 37.954 ng

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

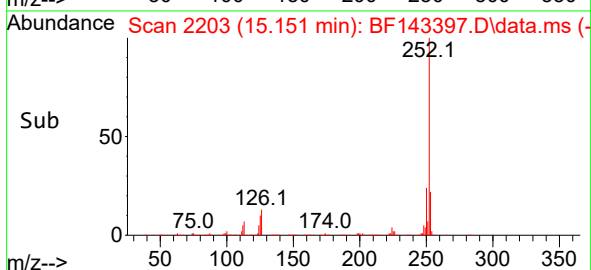
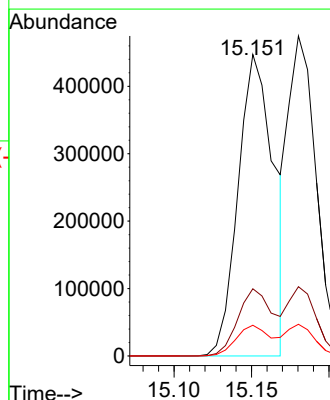
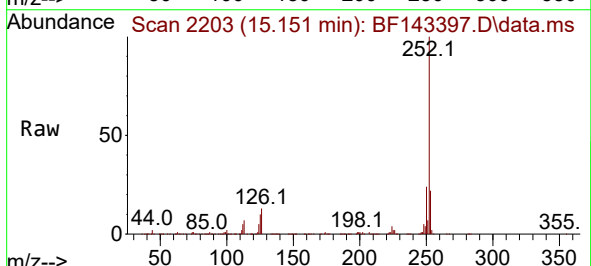
Tgt Ion:252 Resp: 716789

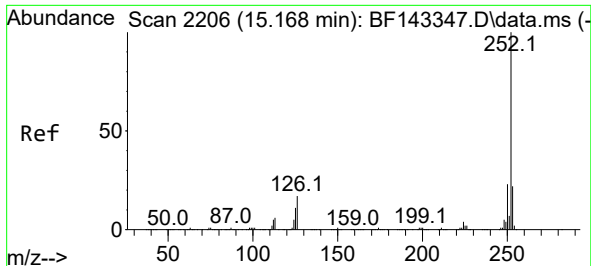
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

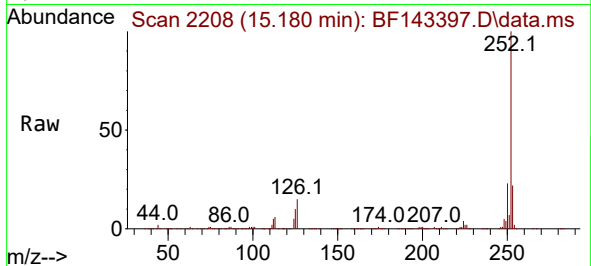
125 10.2 7.8 11.6





#89
Benzo(k)fluoranthene
Concen: 32.831 ng
RT: 15.180 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

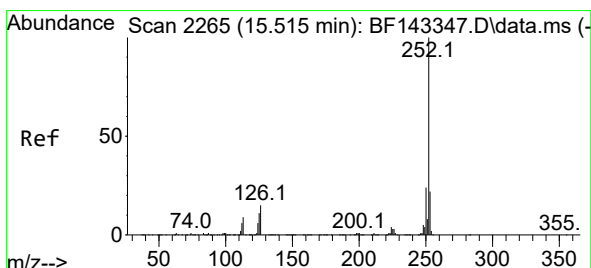
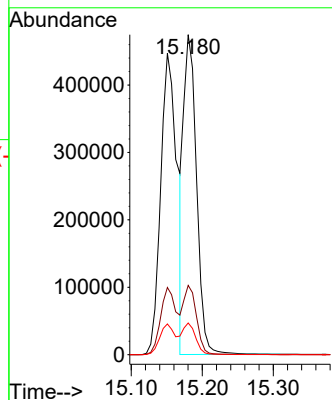
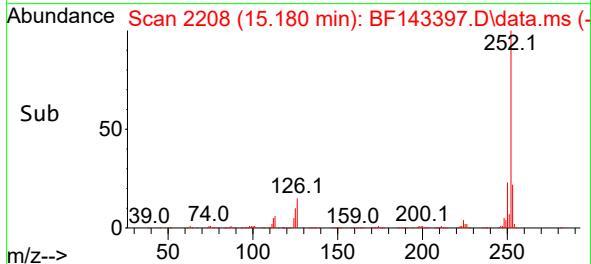
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



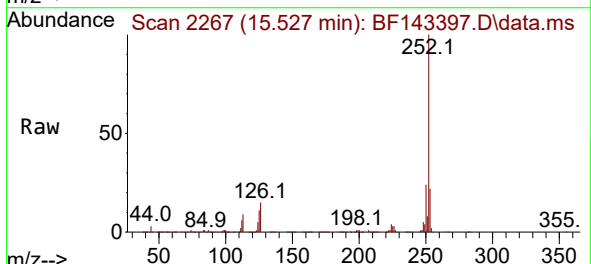
Tgt Ion:252 Resp: 60250
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 9.9 8.4 12.6

Manual Integrations
APPROVED

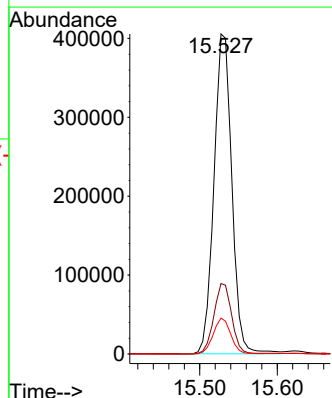
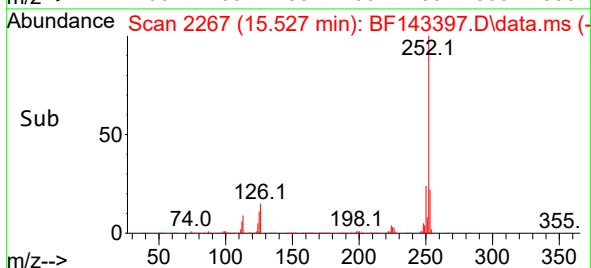
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

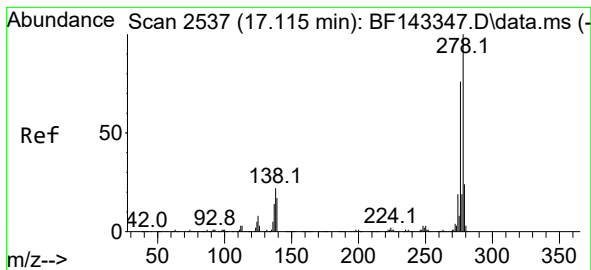


#90
Benzo(a)pyrene
Concen: 36.515 ng
RT: 15.527 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



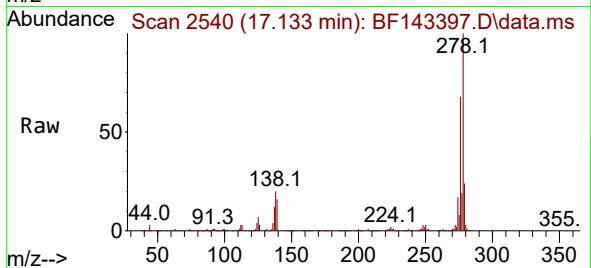
Tgt Ion:252 Resp: 649502
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 11.2 9.1 13.7





#91
Dibenzo(a,h)anthracene
Concen: 38.021 ng
RT: 17.133 min Scan# 2540
Delta R.T. 0.018 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

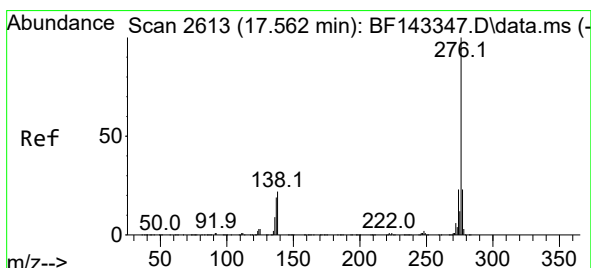
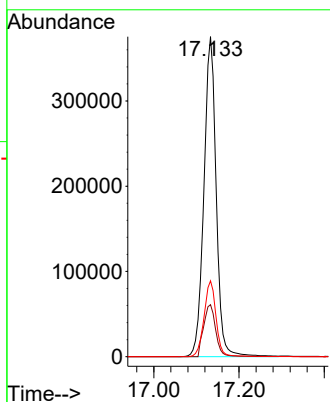
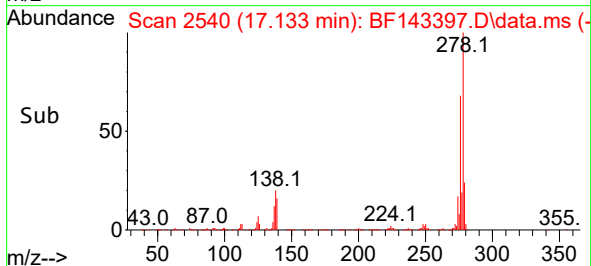
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



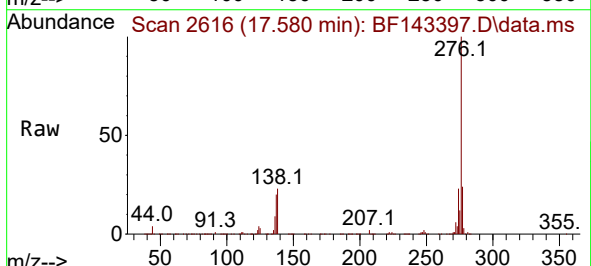
Tgt Ion:278 Resp: 751390
Ion Ratio Lower Upper
278 100
139 16.3 14.0 21.0
279 23.7 19.4 29.0

Manual Integrations
APPROVED

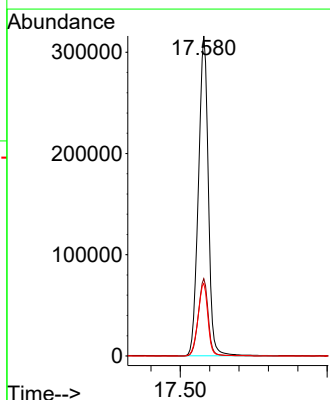
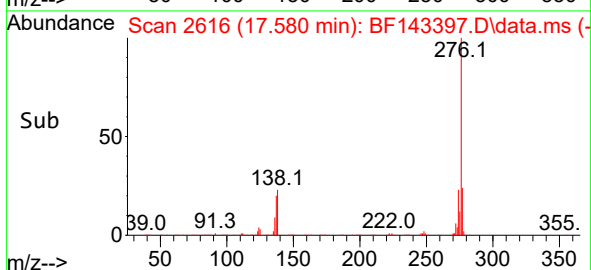
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 37.096 ng
RT: 17.580 min Scan# 2616
Delta R.T. 0.018 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion:276 Resp: 738534
Ion Ratio Lower Upper
276 100
277 24.2 18.7 28.1
138 22.7 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143397.D
 Acq On : 14 Aug 2025 22:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 15 01:35:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2	1,4-Dioxane	0.598	0.517	13.5	79	-0.03
3	Pyridine	1.595	1.384	13.2	78	-0.02
4	n-Nitrosodimethylamine	0.743	0.643	13.5	77	-0.02
5 S	2-Fluorophenol	1.157	1.058	8.6	82	0.00
6	Aniline	2.091	1.786	14.6	77	0.00
7 S	Phenol-d6	1.483	1.303	12.1	79	0.00
8	2-Chlorophenol	1.236	1.153	6.7	83	0.00
9	Benzaldehyde	0.980	0.800	18.4	72	0.00
10 C	Phenol	1.757	1.555	11.5	79	0.00
11	bis(2-Chloroethyl)ether	1.295	1.146	11.5	80	0.00
12	1,3-Dichlorobenzene	1.425	1.277	10.4	81	0.00
13 C	1,4-Dichlorobenzene	1.431	1.285	10.2	83	0.00
14	1,2-Dichlorobenzene	1.358	1.218	10.3	82	0.00
15	Benzyl Alcohol	1.063	0.973	8.5	81	0.00
16	2,2'-oxybis(1-Chloropropane	2.312	1.951	15.6	77	0.00
17	2-Methylphenol	1.043	0.925	11.3	79	0.00
18	Hexachloroethane	0.449	0.437	2.7	86	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.769	16.0	77	0.00
20	3+4-Methylphenols	1.262	1.110	12.0	78	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22	Acetophenone	0.441	0.384	12.9	77	0.00
23 S	Nitrobenzene-d5	0.321	0.312	2.8	80	0.00
24	Nitrobenzene	0.349	0.330	5.4	79	0.00
25	Isophorone	0.656	0.566	13.7	75	0.00
26 C	2-Nitrophenol	0.118	0.157	-33.1#	107	0.00
27	2,4-Dimethylphenol	0.274	0.259	5.5	80	0.00
28	bis(2-Chloroethoxy)methane	0.400	0.358	10.5	78	0.00
29 C	2,4-Dichlorophenol	0.267	0.258	3.4	81	0.00
30	1,2,4-Trichlorobenzene	0.282	0.261	7.4	81	0.00
31	Naphthalene	0.962	0.866	10.0	79	0.00
32	Benzoic acid	0.110	0.114	-3.6	91	0.00
33	4-Chloroaniline	0.347	0.307	11.5	76	0.00
34 C	Hexachlorobutadiene	0.175	0.170	2.9	84	0.00
35	Caprolactam	0.075	0.068	9.3	75	0.00
36 C	4-Chloro-3-methylphenol	0.280	0.248	11.4	74	0.00
37	2-Methylnaphthalene	0.633	0.559	11.7	77	0.00
38	1-Methylnaphthalene	0.609	0.527	13.5	76	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	80	0.00
40	1,2,4,5-Tetrachlorobenzene	0.547	0.529	3.3	78	0.00
41 P	Hexachlorocyclopentadiene	0.158	0.234	-48.1#	112	0.00
42 S	2,4,6-Tribromophenol	0.146	0.147	-0.7	74	0.00
43 C	2,4,6-Trichlorophenol	0.311	0.325	-4.5	78	0.00
44	2,4,5-Trichlorophenol	0.351	0.345	1.7	73	0.00
45 S	2-Fluorobiphenyl	1.179	1.101	6.6	78	0.00
46	1,1'-Biphenyl	1.414	1.321	6.6	76	0.00
47	2-Chloronaphthalene	1.114	1.043	6.4	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143397.D
Acq On : 14 Aug 2025 22:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:35:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.284	0.307	-8.1	80	0.00
49	Acenaphthylene	1.608	1.471	8.5	74	0.00
50	Dimethylphthalate	1.169	1.100	5.9	75	0.00
51	2,6-Dinitrotoluene	0.193	0.223	-15.5	84	0.00
52 C	Acenaphthene	1.069	0.974	8.9	74	0.00
53	3-Nitroaniline	0.239	0.245	-2.5	76	0.00
54 P	2,4-Dinitrophenol	0.065	0.057	12.3	69	0.00
55	Dibenzofuran	1.539	1.389	9.7	74	0.00
56 P	4-Nitrophenol	0.163	0.127	22.1	59	0.00
57	2,4-Dinitrotoluene	0.256	0.287	-12.1	80	0.00
58	Fluorene	1.175	1.031	12.3	73	0.00
59	2,3,4,6-Tetrachlorophenol	0.236	0.235	0.4	74	0.00
60	Diethylphthalate	1.047	0.965	7.8	72	0.00
61	4-Chlorophenyl-phenylether	0.568	0.515	9.3	73	0.00
62	4-Nitroaniline	0.232	0.210	9.5	68	0.00
63	Azobenzene	1.196	1.011	15.5	68	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	0.069	0.086	-24.6	88	0.00
66 c	n-Nitrosodiphenylamine	0.659	0.630	4.4	70	0.00
67	4-Bromophenyl-phenylether	0.229	0.228	0.4	72	0.00
68	Hexachlorobenzene	0.247	0.235	4.9	70	0.00
69	Atrazine	0.172	0.175	-1.7	72	0.00
70 C	Pentachlorophenol	0.101	0.088	12.9	59	0.00
71	Phenanthrene	1.091	0.981	10.1	66	0.00
72	Anthracene	1.107	1.007	9.0	68	0.00
73	Carbazole	0.942	0.804	14.6	63	0.00
74	Di-n-butylphthalate	0.798	0.850	-6.5	72	0.00
75 C	Fluoranthene	0.956	0.830	13.2	66	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	85	0.00
77	Benzydine	0.547	0.509	6.9	73	0.00
78	Pyrene	1.678	1.297	22.7	66	0.00
79 S	Terphenyl-d14	1.120	0.893	20.3	70	0.00
80	Butylbenzylphthalate	0.284	0.418	-47.2#	117	0.00
81	Benzo(a)anthracene	1.271	1.136	10.6	77	0.00
82	3,3'-Dichlorobenzidine	0.343	0.382	-11.4	89	0.00
83	Chrysene	1.185	1.089	8.1	79	0.00
84	Bis(2-ethylhexyl)phthalate	0.403	0.627	-55.6#	121	0.00
85 c	Di-n-octyl phthalate	0.860	1.239	-44.1#	119	0.01
86 I	Perylene-d12	1.000	1.000	0.0	105	0.01
87	Indeno(1,2,3-cd)pyrene	1.433	1.339	6.6	97	0.02
88	Benzo(b)fluoranthene	1.094	1.038	5.1	98	0.00
89	Benzo(k)fluoranthene	1.063	0.872	18.0	89	0.01
90 C	Benzo(a)pyrene	1.030	0.941	8.6	96	0.01
91	Dibenzo(a,h)anthracene	1.145	1.088	5.0	98	0.02
92	Benzo(g,h,i)perylene	1.153	1.069	7.3	96	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143397.D
Acq On : 14 Aug 2025 22:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:35:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143397.D
Acq On : 14 Aug 2025 22:56
Operator : RC/JU
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Quant Time: Aug 15 01:35:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	91	0.00
2	1,4-Dioxane	40.000	34.533	13.7	79	-0.03
3	Pyridine	40.000	34.717	13.2	78	-0.02
4	n-Nitrosodimethylamine	40.000	34.645	13.4	77	-0.02
5 S	2-Fluorophenol	80.000	73.205	8.5	82	0.00
6	Aniline	40.000	34.171	14.6	77	0.00
7 S	Phenol-d6	80.000	70.261	12.2	79	0.00
8	2-Chlorophenol	40.000	37.322	6.7	83	0.00
9	Benzaldehyde	40.000	32.651	18.4	72	0.00
10 C	Phenol	40.000	35.396	11.5	79	0.00
11	bis(2-Chloroethyl)ether	40.000	35.405	11.5	80	0.00
12	1,3-Dichlorobenzene	40.000	35.839	10.4	81	0.00
13 C	1,4-Dichlorobenzene	40.000	35.936	10.2	83	0.00
14	1,2-Dichlorobenzene	40.000	35.880	10.3	82	0.00
15	Benzyl Alcohol	40.000	36.604	8.5	81	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	33.764	15.6	77	0.00
17	2-Methylphenol	40.000	35.456	11.4	79	0.00
18	Hexachloroethane	40.000	38.942	2.6	86	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	33.566	16.1	77	0.00
20	3+4-Methylphenols	40.000	35.190	12.0	78	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22	Acetophenone	40.000	34.852	12.9	77	0.00
23 S	Nitrobenzene-d5	80.000	77.681	2.9	80	0.00
24	Nitrobenzene	40.000	37.898	5.3	79	0.00
25	Isophorone	40.000	34.512	13.7	75	0.00
26 C	2-Nitrophenol	40.000	45.217	-13.0	107	0.00
27	2,4-Dimethylphenol	40.000	37.878	5.3	80	0.00
28	bis(2-Chloroethoxy)methane	40.000	35.741	10.6	78	0.00
29 C	2,4-Dichlorophenol	40.000	38.587	3.5	81	0.00
30	1,2,4-Trichlorobenzene	40.000	37.101	7.2	81	0.00
31	Naphthalene	40.000	35.988	10.0	79	0.00
32	Benzoic acid	40.000	40.763	-1.9	91	0.00
33	4-Chloroaniline	40.000	35.380	11.5	76	0.00
34 C	Hexachlorobutadiene	40.000	38.848	2.9	84	0.00
35	Caprolactam	40.000	36.300	9.3	75	0.00
36 C	4-Chloro-3-methylphenol	40.000	35.367	11.6	74	0.00
37	2-Methylnaphthalene	40.000	35.329	11.7	77	0.00
38	1-Methylnaphthalene	40.000	34.624	13.4	76	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	80	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.695	3.3	78	0.00
41 P	Hexachlorocyclopentadiene	40.000	51.058	-27.6#	112	0.00
42 S	2,4,6-Tribromophenol	80.000	80.730	-0.9	74	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.879	-4.7	78	0.00
44	2,4,5-Trichlorophenol	40.000	39.313	1.7	73	0.00
45 S	2-Fluorobiphenyl	80.000	74.656	6.7	78	0.00
46	1,1'-Biphenyl	40.000	37.371	6.6	76	0.00
47	2-Chloronaphthalene	40.000	37.462	6.3	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143397.D
Acq On : 14 Aug 2025 22:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:35:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	38.817	3.0	80	0.00
49	Acenaphthylene	40.000	36.573	8.6	74	0.00
50	Dimethylphthalate	40.000	37.666	5.8	75	0.00
51	2,6-Dinitrotoluene	40.000	40.788	-2.0	84	0.00
52 C	Acenaphthene	40.000	36.423	8.9	74	0.00
53	3-Nitroaniline	40.000	41.020	-2.6	76	0.00
54 P	2,4-Dinitrophenol	40.000	35.584	11.0	69	0.00
55	Dibenzofuran	40.000	36.113	9.7	74	0.00
56 P	4-Nitrophenol	40.000	30.288	24.3	59	0.00
57	2,4-Dinitrotoluene	40.000	39.688	0.8	80	0.00
58	Fluorene	40.000	35.081	12.3	73	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.774	0.6	74	0.00
60	Diethylphthalate	40.000	36.866	7.8	72	0.00
61	4-Chlorophenyl-phenylether	40.000	36.239	9.4	73	0.00
62	4-Nitroaniline	40.000	36.245	9.4	68	0.00
63	Azobenzene	40.000	33.836	15.4	68	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.140	-7.9	88	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.245	4.4	70	0.00
67	4-Bromophenyl-phenylether	40.000	39.924	0.2	72	0.00
68	Hexachlorobenzene	40.000	38.074	4.8	70	0.00
69	Atrazine	40.000	40.779	-1.9	72	0.00
70 C	Pentachlorophenol	40.000	32.879	17.8	59	0.00
71	Phenanthrene	40.000	35.962	10.1	66	0.00
72	Anthracene	40.000	36.392	9.0	68	0.00
73	Carbazole	40.000	34.117	14.7	63	0.00
74	Di-n-butylphthalate	40.000	42.631	-6.6	72	0.00
75 C	Fluoranthene	40.000	34.718	13.2	66	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	85	0.00
77	Benzydine	40.000	37.244	6.9	73	0.00
78	Pyrene	40.000	30.918	22.7	66	0.00
79 S	Terphenyl-d14	80.000	63.756	20.3	70	0.00
80	Butylbenzylphthalate	40.000	50.287	-25.7#	117	0.00
81	Benzo(a)anthracene	40.000	35.746	10.6	77	0.00
82	3,3'-Dichlorobenzidine	40.000	44.526	-11.3	89	0.00
83	Chrysene	40.000	36.741	8.1	79	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	51.120	-27.8#	121	0.00
85 c	Di-n-octyl phthalate	40.000	50.655	-26.6#	119	0.01
86 I	Perylene-d12	20.000	20.000	0.0	105	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	37.381	6.5	97	0.02
88	Benzo(b)fluoranthene	40.000	37.954	5.1	98	0.00
89	Benzo(k)fluoranthene	40.000	32.831	17.9	89	0.01
90 C	Benzo(a)pyrene	40.000	36.515	8.7	96	0.01
91	Dibenzo(a,h)anthracene	40.000	38.021	4.9	98	0.02
92	Benzo(g,h,i)perylene	40.000	37.096	7.3	96	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143397.D
Acq On : 14 Aug 2025 22:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:35:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
----------	--------	-------	------	-------	----------

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/20/2025 22:05</u>
Lab File ID:	<u>BF143498.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.150		0.4	
Benzaldehyde	1.145	1.081		-5.6	
Phenol-d6	1.414	1.395		-1.3	
Phenol	1.629	1.649		1.2	20.0
bis(2-Chloroethyl)ether	1.217	1.211		-0.5	
2-Chlorophenol	1.265	1.270		0.4	
2-Methylphenol	1.015	1.021		0.6	
2,2-oxybis(1-Chloropropane)	1.947	1.949		0.1	
Acetophenone	0.432	0.424		-1.9	
3+4-Methylphenols	1.212	1.222		0.8	
n-Nitroso-di-n-propylamine	0.864	0.852	0.050	-1.4	
Nitrobenzene-d5	0.343	0.349		1.7	
Hexachloroethane	0.485	0.481		-0.8	
Nitrobenzene	0.353	0.362		2.5	
Isophorone	0.628	0.635		1.1	
2-Nitrophenol	0.173	0.181		4.6	20.0
2,4-Dimethylphenol	0.269	0.270		0.4	
bis(2-Chloroethoxy)methane	0.386	0.385		-0.3	
2,4-Dichlorophenol	0.288	0.290		0.7	20.0
Naphthalene	0.960	0.933		-2.8	
4-Chloroaniline	0.341	0.343		0.6	
Hexachlorobutadiene	0.193	0.192		-0.5	20.0
Caprolactam	0.069	0.078		13.0	
4-Chloro-3-methylphenol	0.288	0.293		1.7	20.0
2-Methylnaphthalene	0.641	0.630		-1.7	
Hexachlorocyclopentadiene	0.184	0.163	0.050	-11.4	
2,4,6-Trichlorophenol	0.352	0.356		1.1	20.0
2-Fluorobiphenyl	1.210	1.135		-6.2	
2,4,5-Trichlorophenol	0.385	0.377		-2.1	
1,1-Biphenyl	1.420	1.373		-3.3	
2-Chloronaphthalene	1.114	1.101		-1.2	
2-Nitroaniline	0.326	0.341		4.6	
Dimethylphthalate	1.205	1.228		1.9	
Acenaphthylene	1.595	1.574		-1.3	
2,6-Dinitrotoluene	0.250	0.262		4.8	
3-Nitroaniline	0.270	0.286		5.9	
Acenaphthene	1.083	1.061		-2.0	20.0
2,4-Dinitrophenol	0.115	0.099	0.050	-13.9	
4-Nitrophenol	0.161	0.174	0.050	8.1	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/20/2025 22:05</u>
Lab File ID:	<u>BF143498.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.518		-1.7	
2,4-Dinitrotoluene	0.333	0.354		6.3	
Diethylphthalate	1.080	1.104		2.2	
4-Chlorophenyl-phenylether	0.594	0.578		-2.7	
Fluorene	1.188	1.156		-2.7	
4-Nitroaniline	0.248	0.268		8.1	
4,6-Dinitro-2-methylphenol	0.113	0.110		-2.7	
n-Nitrosodiphenylamine	0.644	0.627		-2.6	20.0
2,4,6-Tribromophenol	0.186	0.184		-1.1	
4-Bromophenyl-phenylether	0.239	0.237		-0.8	
Hexachlorobenzene	0.257	0.247		-3.9	
Atrazine	0.166	0.185		11.4	
Pentachlorophenol	0.118	0.119		0.8	20.0
Phenanthrene	1.071	1.039		-3.0	
Anthracene	1.085	1.059		-2.4	
Carbazole	0.889	0.887		-0.2	
Di-n-butylphthalate	0.829	0.911		9.9	
Fluoranthene	0.961	0.962		0.1	20.0
Pyrene	1.645	1.665		1.2	
Terphenyl-d14	1.146	1.151		0.4	
Butylbenzylphthalate	0.449	0.480		6.9	
3,3-Dichlorobenzidine	0.369	0.369		0.0	
Benzo (a) anthracene	1.288	1.254		-2.6	
Chrysene	1.157	1.176		1.6	
Bis (2-ethylhexyl) phthalate	0.685	0.667		-2.6	
Di-n-octyl phthalate	1.268	1.215		-4.2	20.0
Benzo (b) fluoranthene	1.112	1.107		-0.4	
Benzo (k) fluoranthene	1.064	1.049		-1.4	
Benzo (a) pyrene	1.032	1.033		0.1	20.0
Indeno (1,2,3-cd) pyrene	1.437	1.484		3.3	
Dibenzo (a,h) anthracene	1.151	1.194		3.7	
Benzo (g,h,i) perylene	1.145	1.178		2.9	
1,2,4,5-Tetrachlorobenzene	0.572	0.553		-3.3	
1,4-Dioxane	0.531	0.507		-4.5	20.0
2,3,4,6-Tetrachlorophenol	0.286	0.296		3.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143498.D
 Acq On : 20 Aug 2025 22:05
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	138596	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	522619	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	286971	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	448105	20.000	ng	0.00
76) Chrysene-d12	14.098	240	253253	20.000	ng	0.00
86) Perylene-d12	15.592	264	290056	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	637738	80.348	ng	0.00
7) Phenol-d6	6.563	99	773234	78.917	ng	-0.01
23) Nitrobenzene-d5	7.487	82	729626	81.469	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	211727	79.261	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1303360	75.061	ng	0.00
79) Terphenyl-d14	13.033	244	1165752	80.326	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.740	88	140603	38.239	ng	98
3) Pyridine	3.516	79	375727	38.366	ng	98
4) n-Nitrosodimethylamine	3.463	42	178227	40.483	ng	96
6) Aniline	6.593	93	522533	39.899	ng	97
8) 2-Chlorophenol	6.716	128	352106	40.164	ng	100
9) Benzaldehyde	6.481	77	299609	37.769	ng	99
10) Phenol	6.581	94	457188	40.504	ng	96
11) bis(2-Chloroethyl)ether	6.657	93	335666	39.795	ng	100
12) 1,3-Dichlorobenzene	6.869	146	387151	39.304	ng	99
13) 1,4-Dichlorobenzene	6.945	146	392595	39.733	ng	99
14) 1,2-Dichlorobenzene	7.098	146	368248	39.364	ng	99
15) Benzyl Alcohol	7.069	79	295313	40.257	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.198	45	540115	40.025	ng	98
17) 2-Methylphenol	7.181	107	283139	40.241	ng	97
18) Hexachloroethane	7.440	117	133370	39.700	ng	97
19) n-Nitroso-di-n-propyla...	7.340	70	236284	39.455	ng	99
20) 3+4-Methylphenols	7.334	107	338683	40.322	ng	99
22) Acetophenone	7.334	105	443559	39.285	ng	98
24) Nitrobenzene	7.510	77	377880	40.995	ng	100
25) Isophorone	7.745	82	663816	40.435	ng	100
26) 2-Nitrophenol	7.822	139	189065	41.873	ng	96
27) 2,4-Dimethylphenol	7.863	122	282610	40.152	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	402537	39.898	ng	99
29) 2,4-Dichlorophenol	8.069	162	303216	40.336	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	300881	38.930	ng	99
31) Naphthalene	8.234	128	975102	38.863	ng	100
32) Benzoic acid	7.981	122	142723	37.123	ng	99
33) 4-Chloroaniline	8.275	127	358457	40.252	ng	98
34) Hexachlorobutadiene	8.351	225	200566	39.776	ng	100
35) Caprolactam	8.651	113	81048	44.931	ng	94
36) 4-Chloro-3-methylphenol	8.763	107	306743	40.718	ng	99
37) 2-Methylnaphthalene	8.922	142	658303	39.283	ng	100
38) 1-Methylnaphthalene	9.022	142	632252	39.442	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	317550	38.686	ng	100
41) Hexachlorocyclopentadiene	9.081	237	93698	33.457	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	204187	40.426	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143498.D
 Acq On : 20 Aug 2025 22:05
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

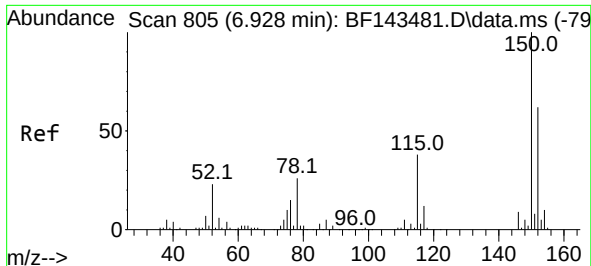
Quant Time: Aug 21 06:37:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	216241	39.194	ng	99
46) 1,1'-Biphenyl	9.386	154	788125	38.693	ng	100
47) 2-Chloronaphthalene	9.410	162	631796	39.533	ng	98
48) 2-Nitroaniline	9.504	65	195526	41.804	ng	99
49) Acenaphthylene	9.828	152	903587	39.486	ng	100
50) Dimethylphthalate	9.681	163	704558	40.765	ng	100
51) 2,6-Dinitrotoluene	9.745	165	150329	41.967	ng	99
52) Acenaphthene	9.998	154	609043	39.200	ng	100
53) 3-Nitroaniline	9.916	138	164001	42.370	ng	100
54) 2,4-Dinitrophenol	10.028	184	56727	32.946	ng	99
55) Dibenzofuran	10.175	168	871391	39.338	ng	99
56) 4-Nitrophenol	10.081	139	99803	43.335	ng	93
57) 2,4-Dinitrotoluene	10.151	165	203299	42.505	ng	98
58) Fluorene	10.516	166	663350	38.909	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	169934	41.458	ng	99
60) Diethylphthalate	10.381	149	633362	40.873	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	331842	38.920	ng	99
62) 4-Nitroaniline	10.528	138	154077	43.337	ng	96
63) Azobenzene	10.663	77	653457	40.670	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	98928	39.155	ng	99
66) n-Nitrosodiphenylamine	10.622	169	562277	38.990	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	212441	39.734	ng	96
68) Hexachlorobenzene	11.069	284	221451	38.425	ng	98
69) Atrazine	11.145	200	166044	44.605	ng	99
70) Pentachlorophenol	11.263	266	107054	40.559	ng	100
71) Phenanthrene	11.480	178	931062	38.800	ng	100
72) Anthracene	11.533	178	949077	39.041	ng	100
73) Carbazole	11.680	167	795296	39.926	ng	99
74) Di-n-butylphthalate	12.010	149	816139	43.920	ng	99
75) Fluoranthene	12.669	202	862364	40.050	ng	100
77) Benzidine	12.786	184	284041	46.044	ng	99
78) Pyrene	12.898	202	843384	40.485	ng	100
80) Butylbenzylphthalate	13.504	149	242873	42.677	ng	97
81) Benzo(a)anthracene	14.086	228	635317	38.965	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	187129	40.076	ng	99
83) Chrysene	14.121	228	595706	40.656	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	337867	38.980	ng	99
85) Di-n-octyl phthalate	14.680	149	615416	38.327	ng	99
87) Indeno(1,2,3-cd)pyrene	17.127	276	861001	41.308	ng	100
88) Benzo(b)fluoranthene	15.157	252	642454	39.847	ng	100
89) Benzo(k)fluoranthene	15.186	252	608451	39.415	ng	99
90) Benzo(a)pyrene	15.533	252	599182	40.037	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	692716	41.497	ng	99
92) Benzo(g,h,i)perylene	17.586	276	683631	41.185	ng	99

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

- 1
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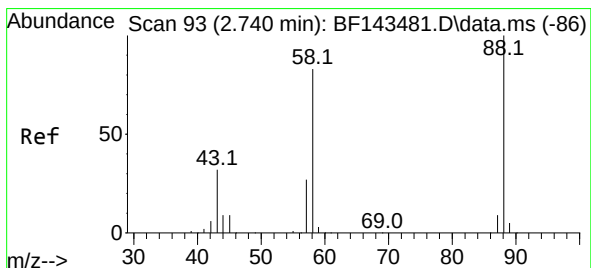
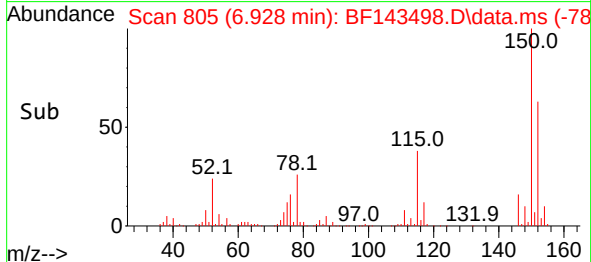
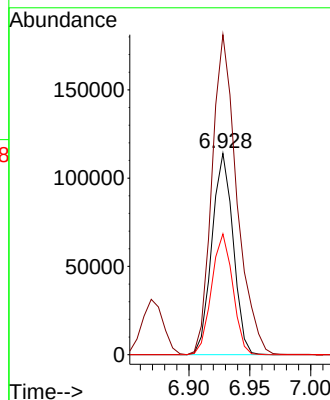
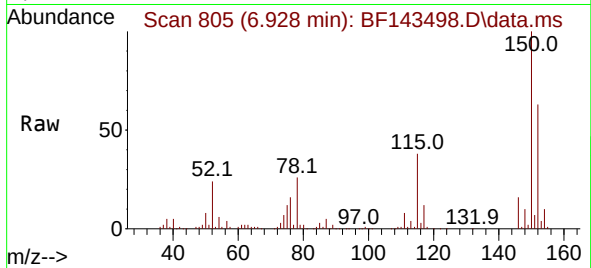
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143498.D
 Acq: 20 Aug 2025 22:05

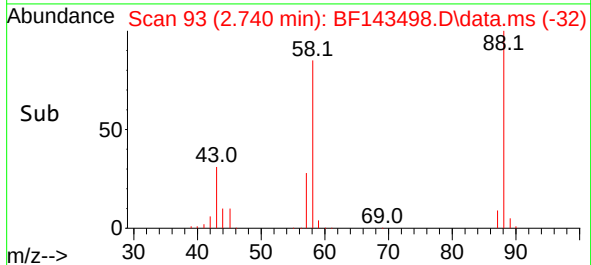
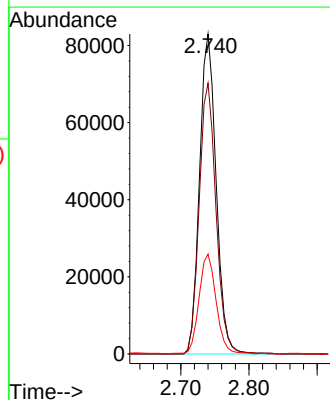
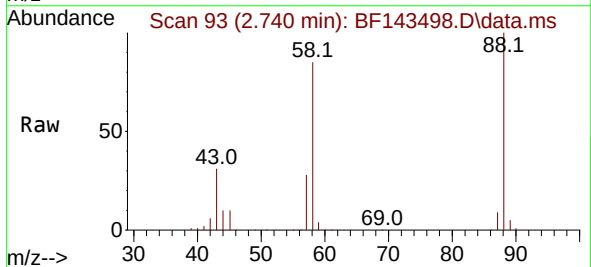
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

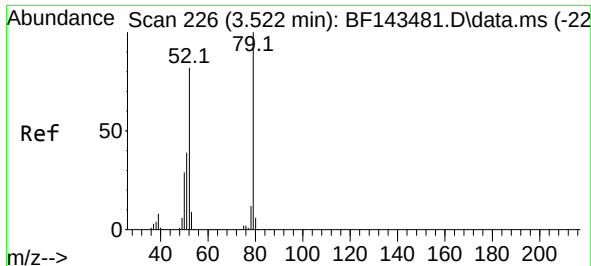
Tgt Ion:152 Resp: 138596
 Ion Ratio Lower Upper
 152 100
 150 159.0 128.9 193.3
 115 60.0 49.2 73.8



#2
 1,4-Dioxane
 Concen: 38.239 ng
 RT: 2.740 min Scan# 93
 Delta R.T. 0.006 min
 Lab File: BF143498.D
 Acq: 20 Aug 2025 22:05

Tgt Ion: 88 Resp: 140603
 Ion Ratio Lower Upper
 88 100
 58 85.9 66.7 100.1
 43 32.3 25.8 38.8





#3

Pyridine

Concen: 38.366 ng

RT: 3.516 min Scan# 216

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

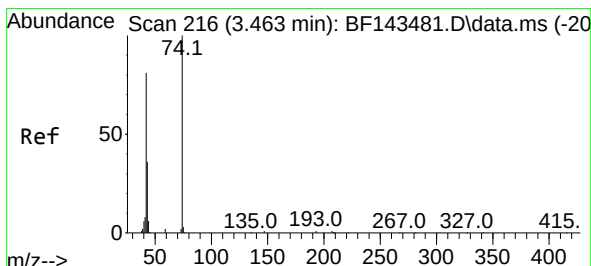
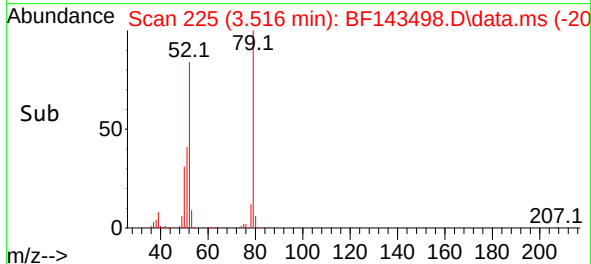
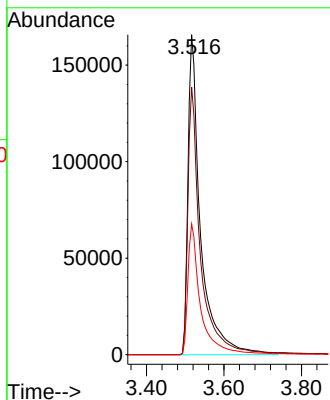
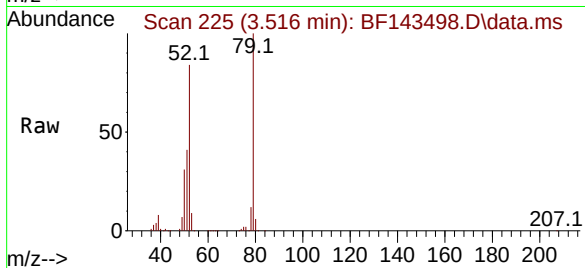
Tgt Ion: 79 Resp: 375727

Ion Ratio Lower Upper

79 100

52 83.7 65.6 98.4

51 40.9 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 40.483 ng

RT: 3.463 min Scan# 216

Delta R.T. -0.012 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

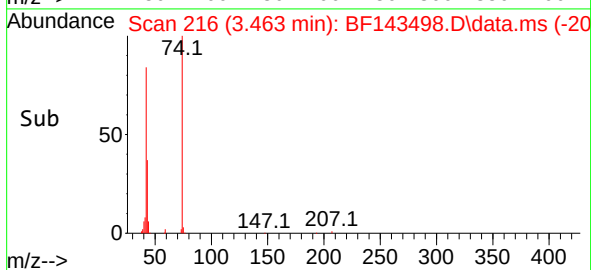
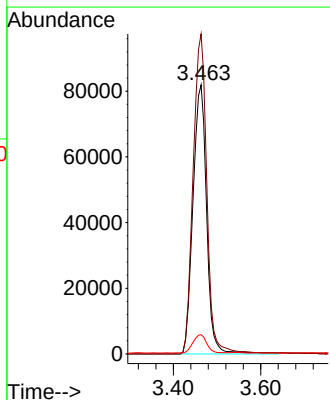
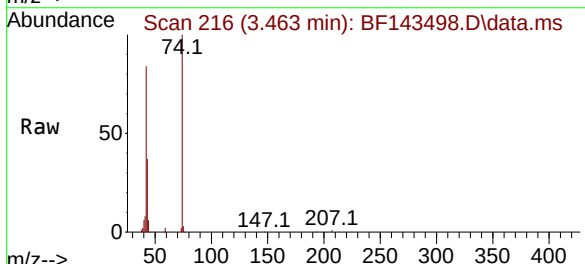
Tgt Ion: 42 Resp: 178227

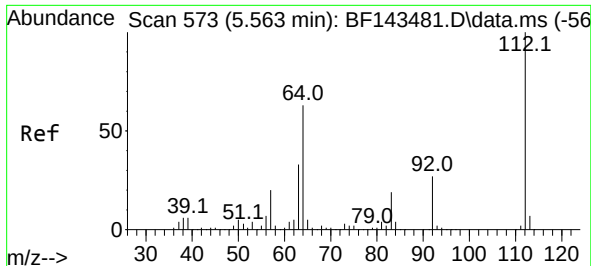
Ion Ratio Lower Upper

42 100

74 118.9 98.6 148.0

44 7.2 5.8 8.8

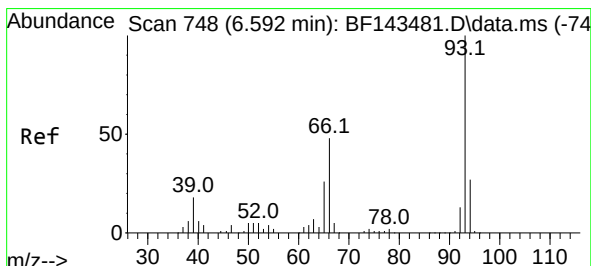
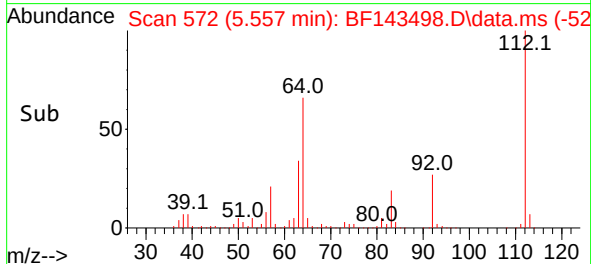
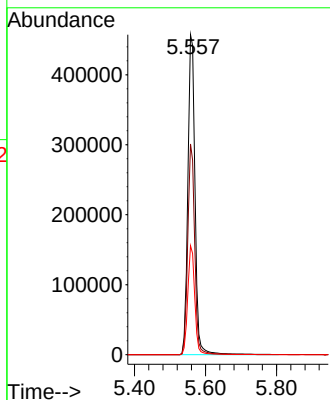
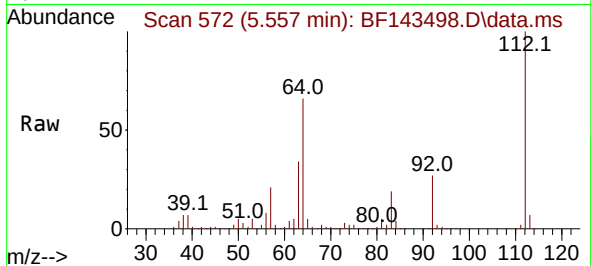




#5
2-Fluorophenol
Concen: 80.348 ng
RT: 5.557 min Scan# 511
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

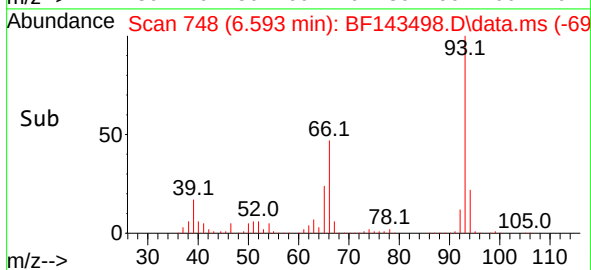
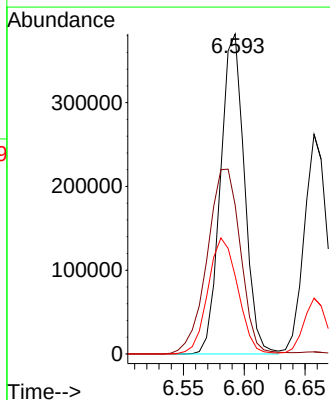
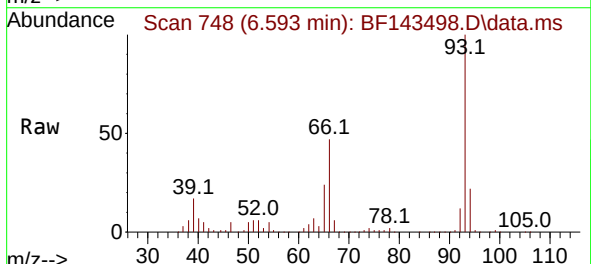
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

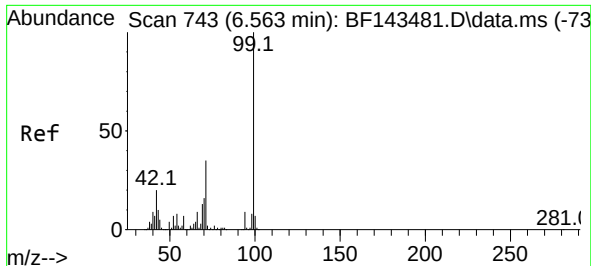
Tgt Ion:112 Resp: 637738
Ion Ratio Lower Upper
112 100
64 65.9 50.4 75.6
63 34.1 26.4 39.6



#6
Aniline
Concen: 39.899 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion: 93 Resp: 522533
Ion Ratio Lower Upper
93 100
66 46.6 38.9 58.3
65 24.4 20.6 30.8

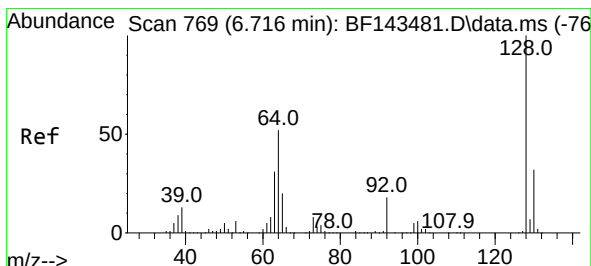
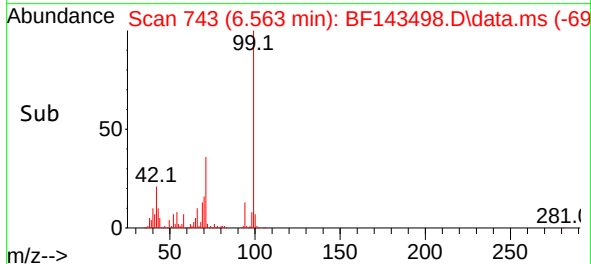
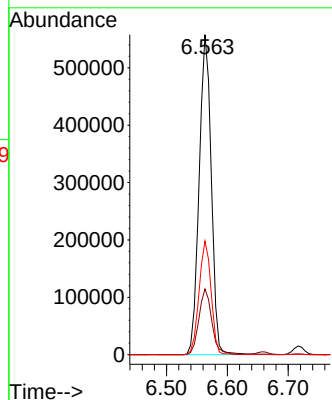
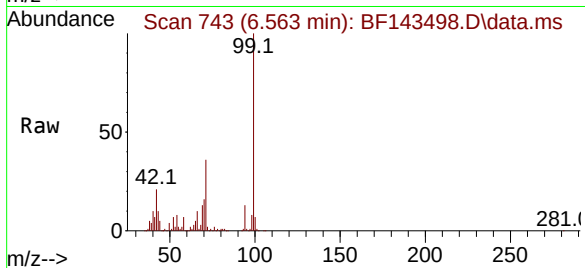




#7
Phenol-d6
Concen: 78.917 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

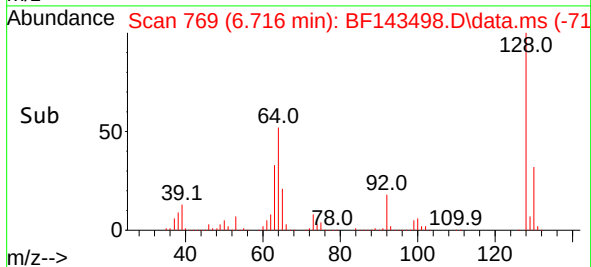
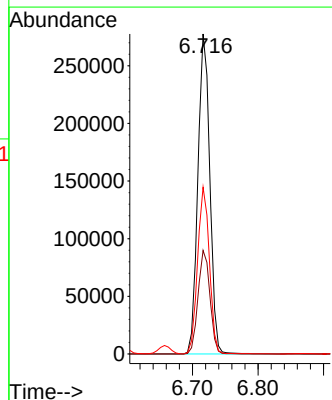
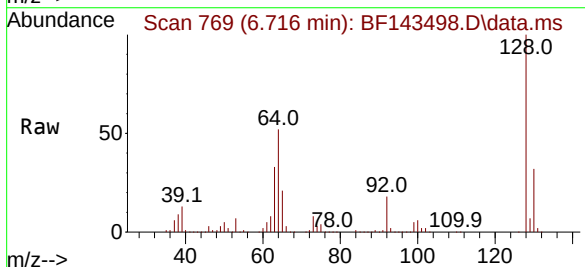
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

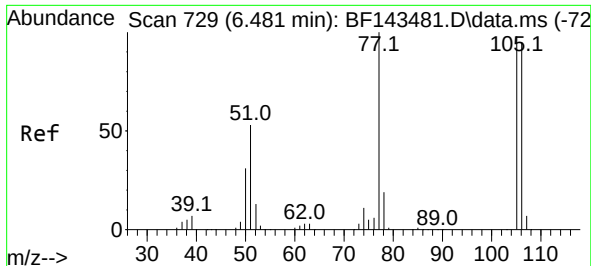
Tgt Ion: 99 Resp: 773234
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 35.5 28.2 42.2



#8
2-Chlorophenol
Concen: 40.164 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion: 128 Resp: 352106
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 52.1 31.6 71.6

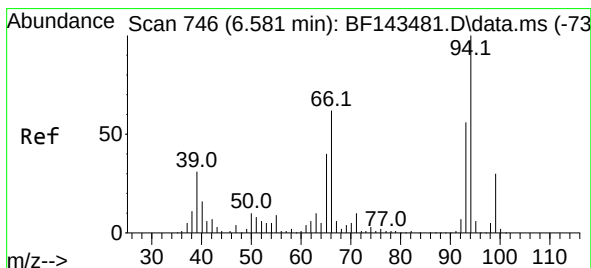
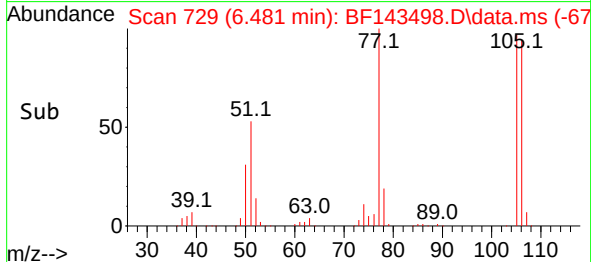
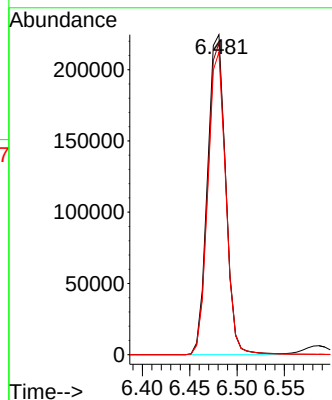
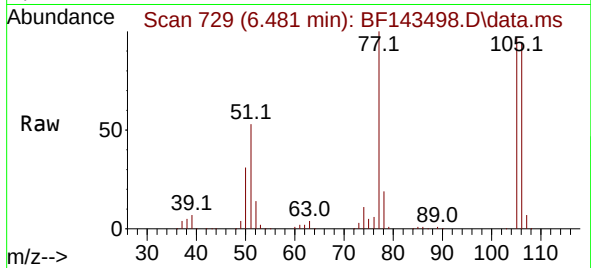




#9
Benzaldehyde
Concen: 37.769 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

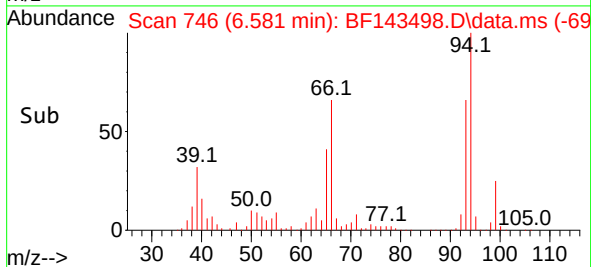
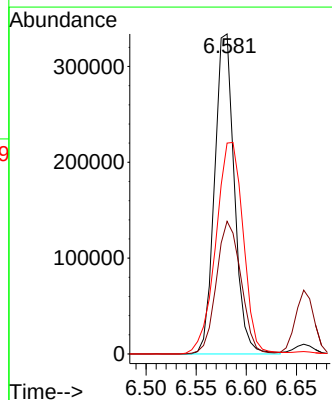
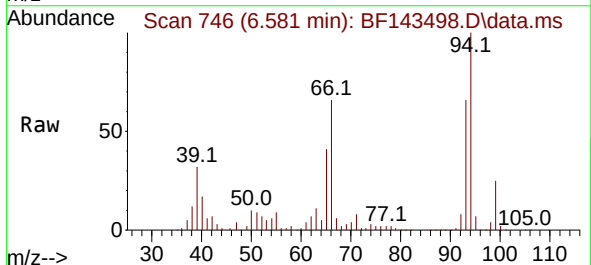
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

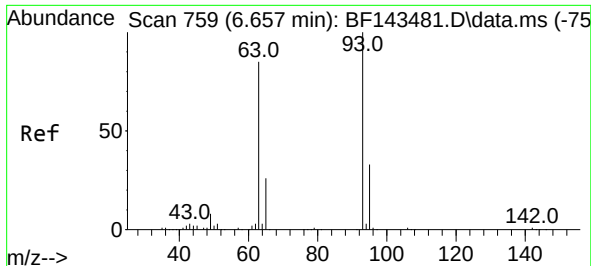
Tgt Ion: 77 Resp: 299609
Ion Ratio Lower Upper
77 100
105 97.4 78.1 118.1
106 94.5 74.9 114.9



#10
Phenol
Concen: 40.504 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion: 94 Resp: 457188
Ion Ratio Lower Upper
94 100
65 41.5 19.5 59.5
66 65.9 42.5 82.5

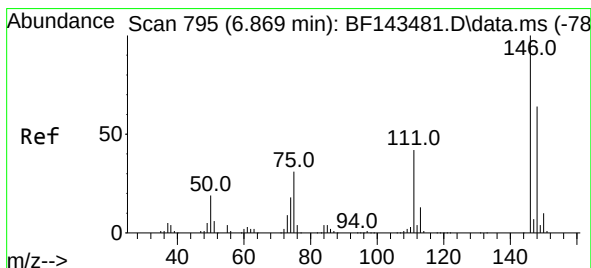
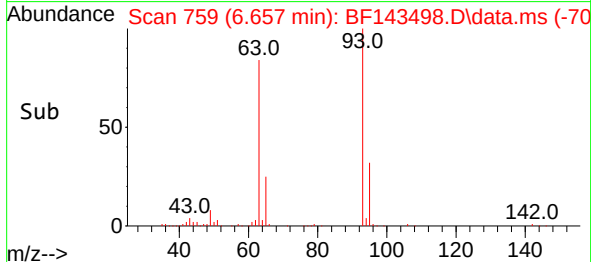
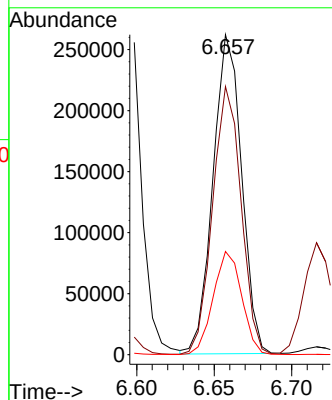
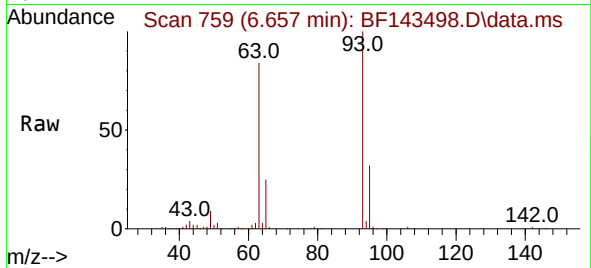




#11
bis(2-Chloroethyl)ether
Concen: 39.795 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

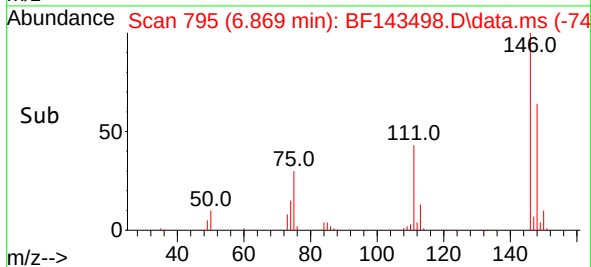
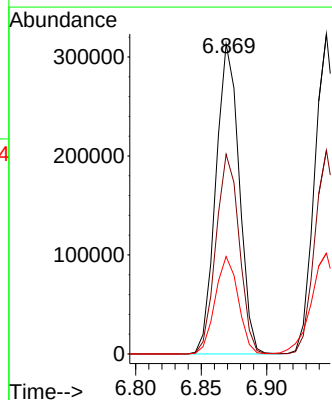
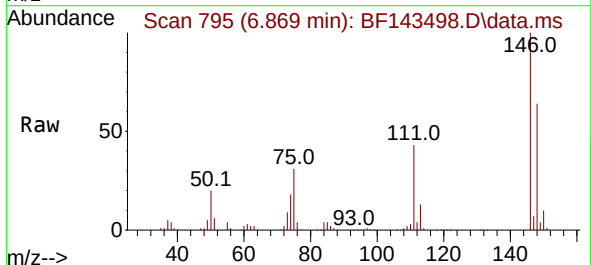
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

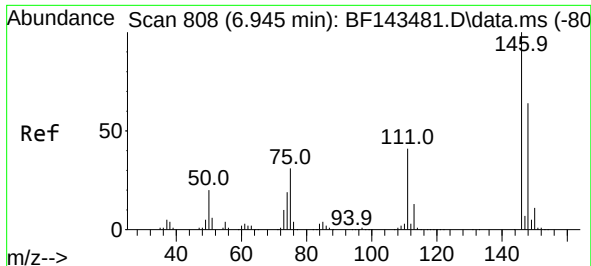
Tgt Ion:	93	Resp:	335666
Ion	Ratio	Lower	Upper
93	100		
63	83.8	63.6	103.6
95	32.2	12.8	52.8



#12
1,3-Dichlorobenzene
Concen: 39.304 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:	146	Resp:	387151
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.3	76.9
75	31.4	24.7	37.1





#13

1,4-Dichlorobenzene

Concen: 39.733 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

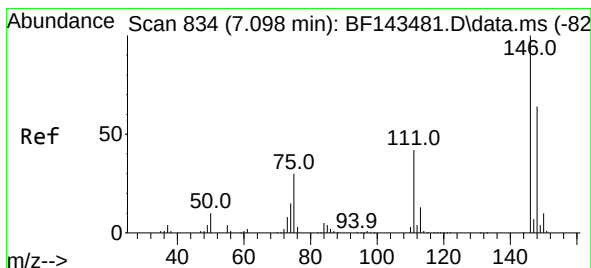
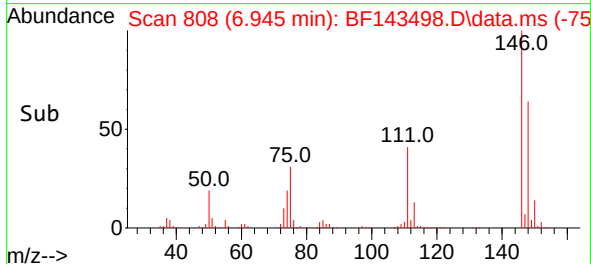
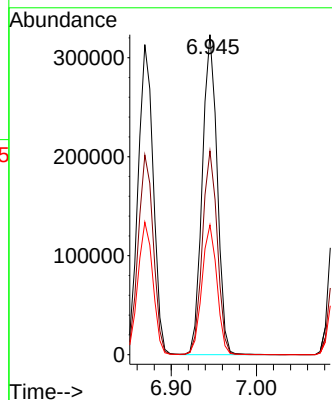
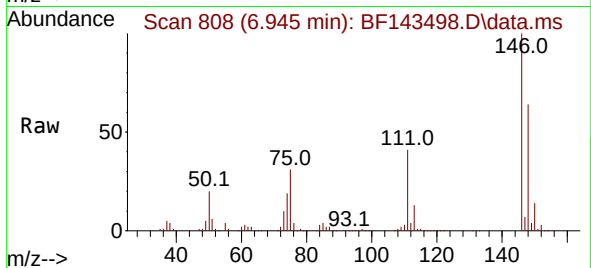
Tgt Ion:146 Resp: 392595

Ion Ratio Lower Upper

146 100

148 63.7 51.5 77.3

111 40.5 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 39.364 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

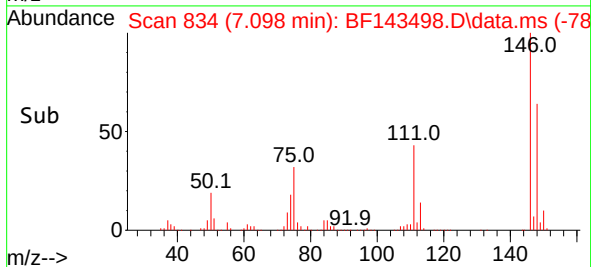
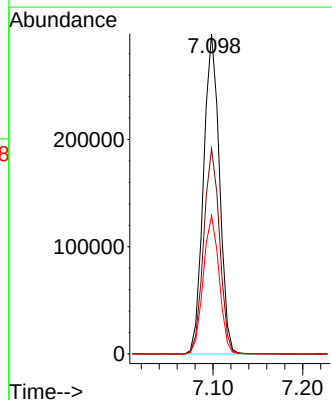
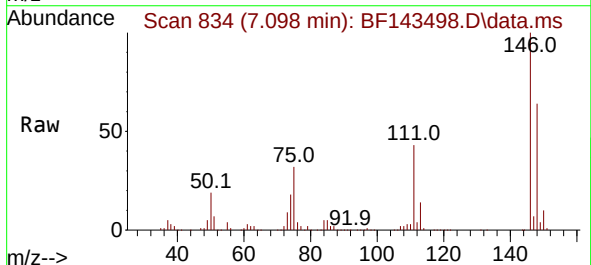
Tgt Ion:146 Resp: 368248

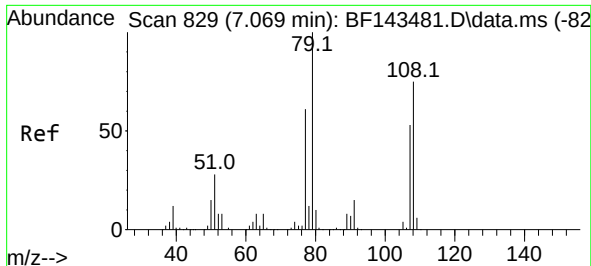
Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.6

111 43.2 34.0 51.0

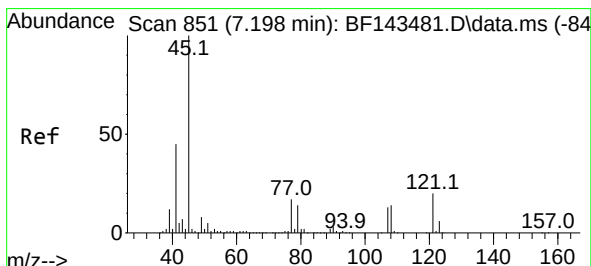
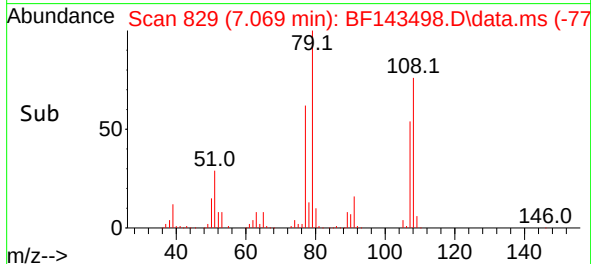
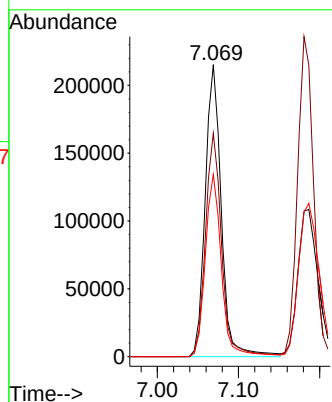
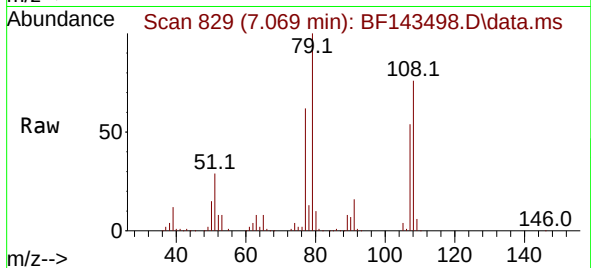




#15
Benzyl Alcohol
Concen: 40.257 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

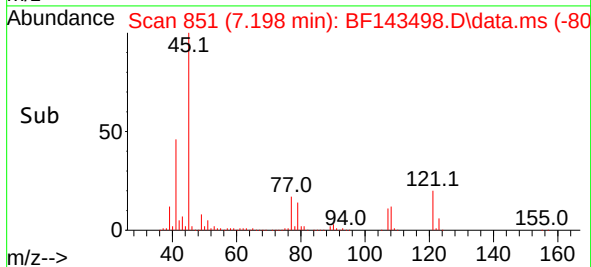
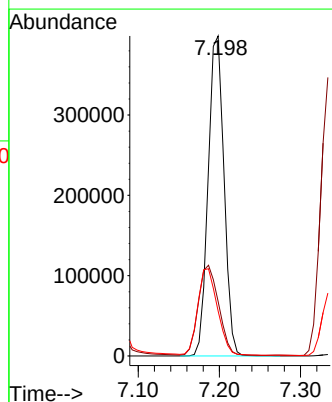
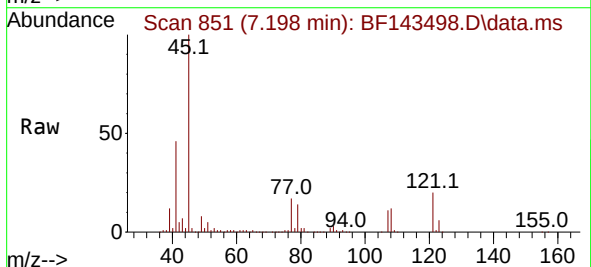
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

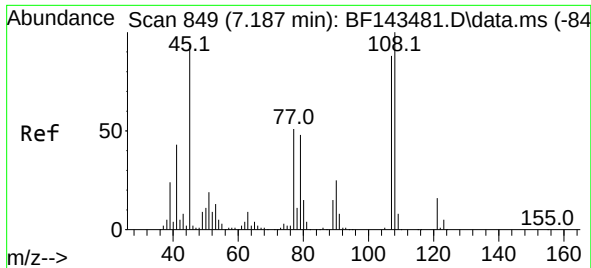
Tgt Ion: 79 Resp: 295313
Ion Ratio Lower Upper
79 100
108 76.5 59.8 89.6
77 62.4 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.025 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

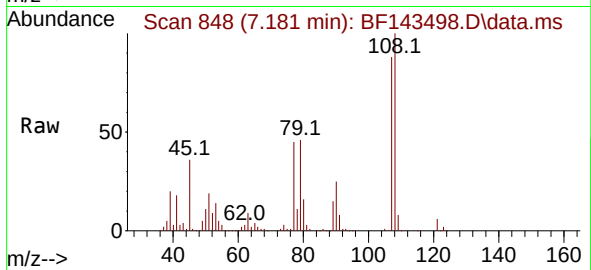
Tgt Ion: 45 Resp: 540115
Ion Ratio Lower Upper
45 100
77 17.1 0.0 37.9
79 14.0 0.0 34.7



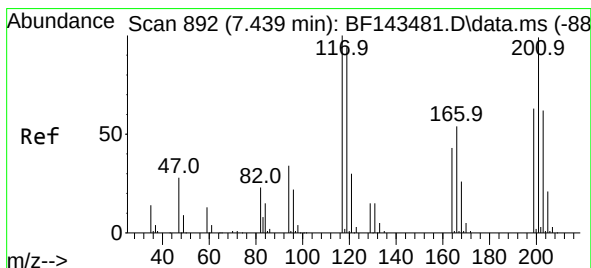
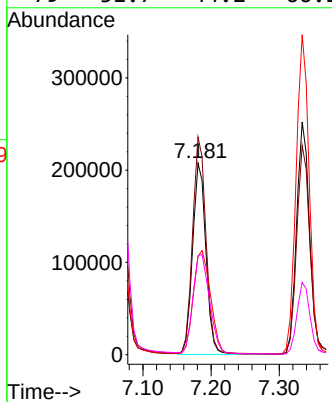
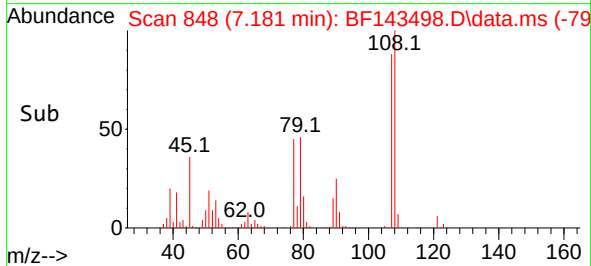


#17
2-Methylphenol
Concen: 40.241 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

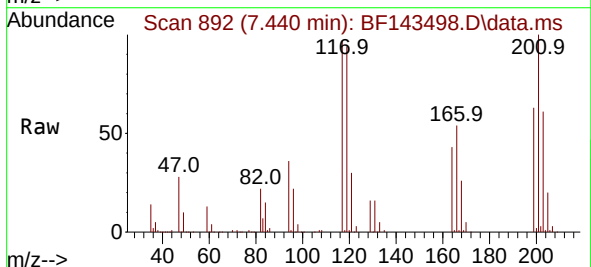
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



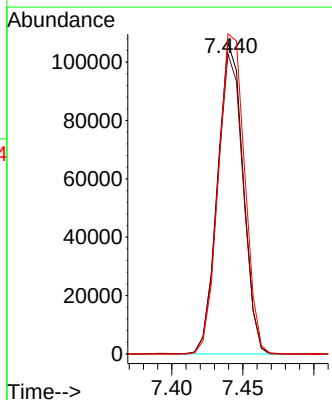
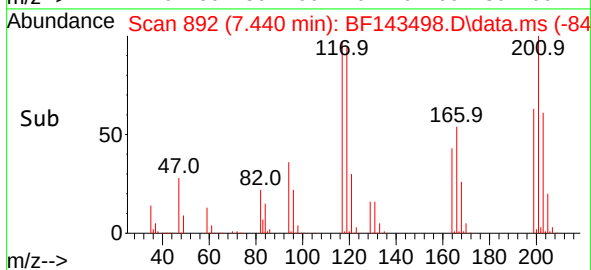
Tgt Ion:	107	Resp:	283139
Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.1	136.7
77	51.4	46.2	69.4
79	51.7	44.2	66.2

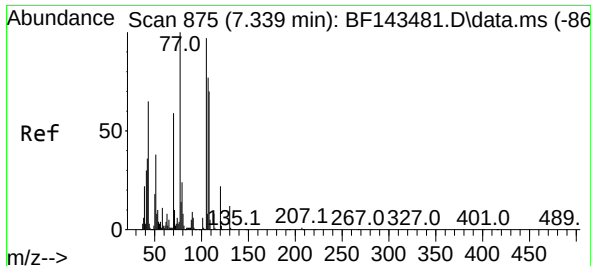


#18
Hexachloroethane
Concen: 39.700 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05



Tgt Ion:	117	Resp:	133370
Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.4	113.0
201	102.7	79.0	118.4



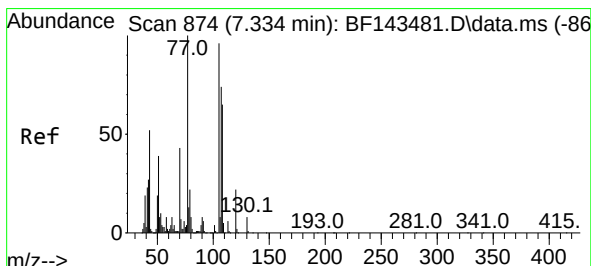
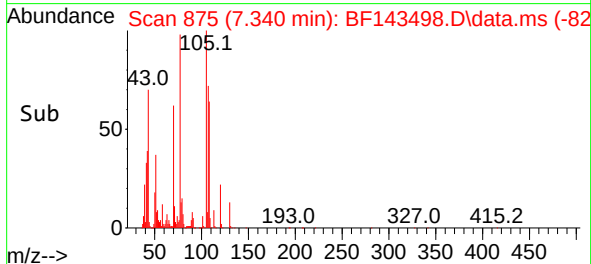
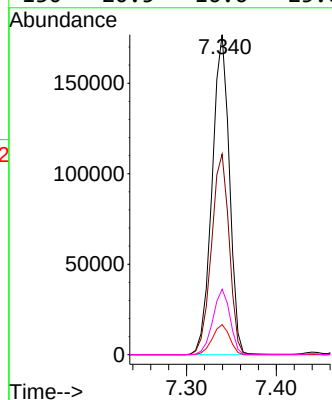
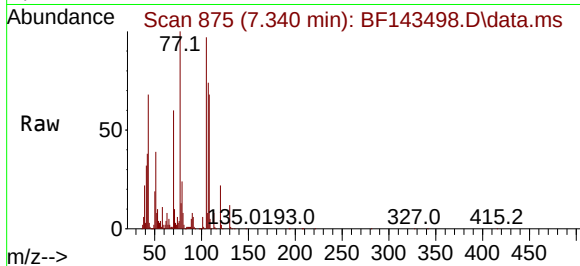


#19
n-Nitroso-di-n-propylamine
Concen: 39.455 ng
RT: 7.340 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 236284

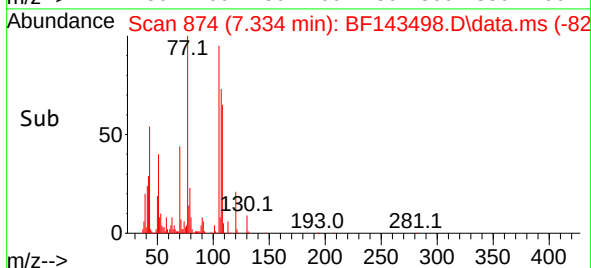
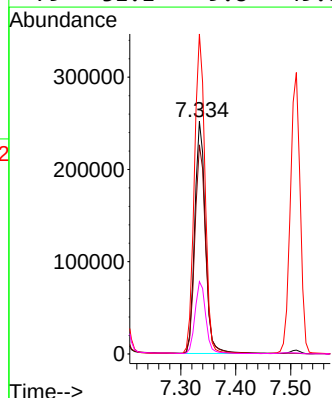
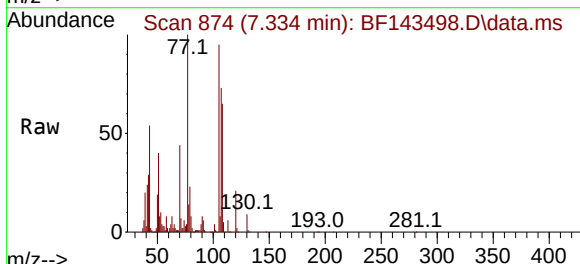
Ion	Ratio	Lower	Upper
70	100		
42	62.7	49.3	73.9
101	9.4	7.8	11.8
130	20.5	16.6	25.0

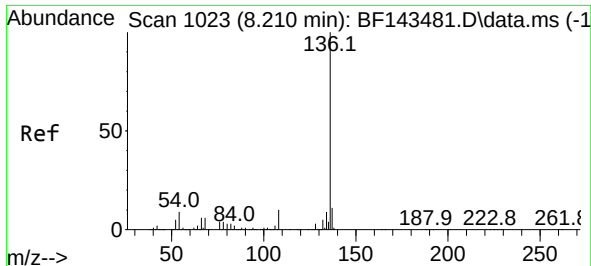


#20
3+4-Methylphenols
Concen: 40.322 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion: 107 Resp: 338683

Ion	Ratio	Lower	Upper
107	100		
108	89.9	68.4	108.4
77	137.6	116.1	156.1
79	31.1	9.8	49.8

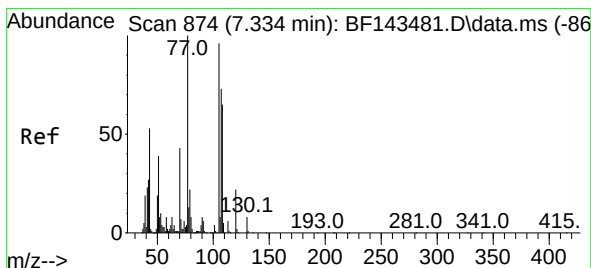
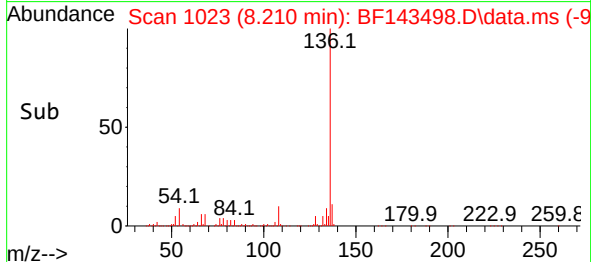
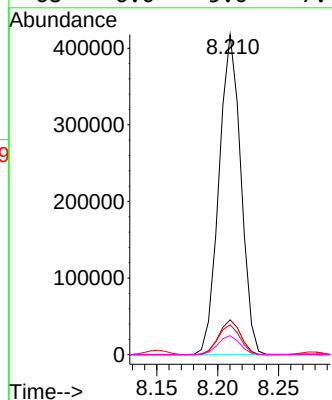
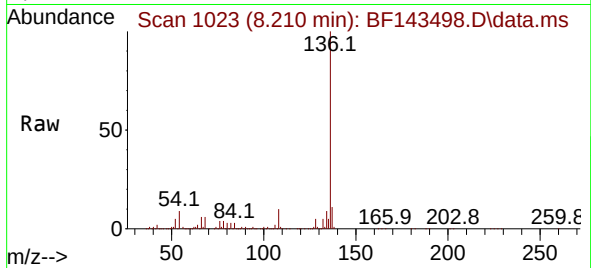




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

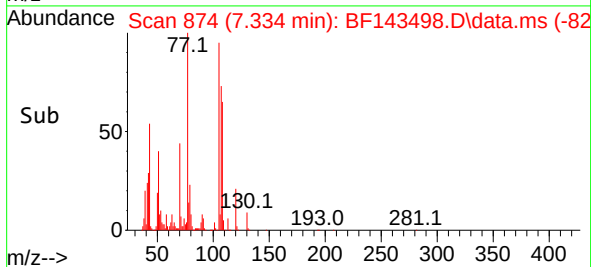
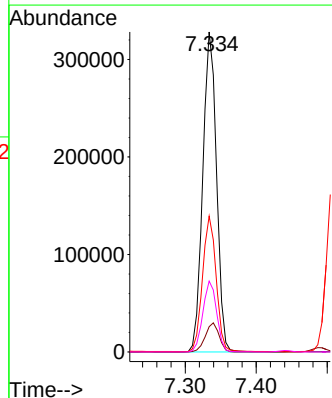
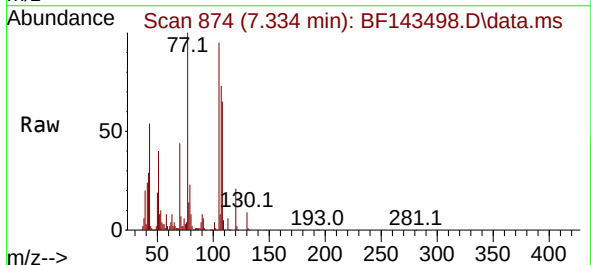
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

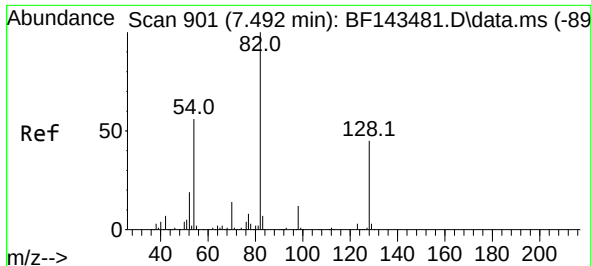
Tgt Ion:136	Resp: 522619
Ion Ratio	Lower Upper
136 100	
137 10.9	9.0 13.4
54 9.4	7.4 11.2
68 6.0	5.0 7.4



#22
Acetophenone
Concen: 39.285 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt	Ion:105	Resp:	443559
Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.9	8.9
51	42.4	32.5	48.7
120	22.1	18.0	27.0





#23

Nitrobenzene-d5

Concen: 81.469 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

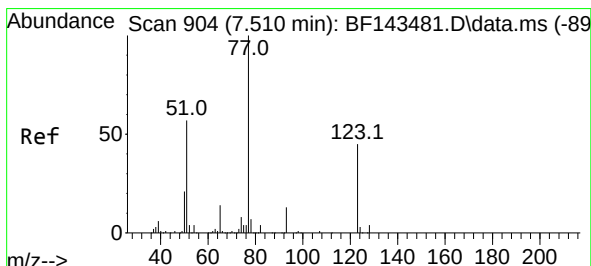
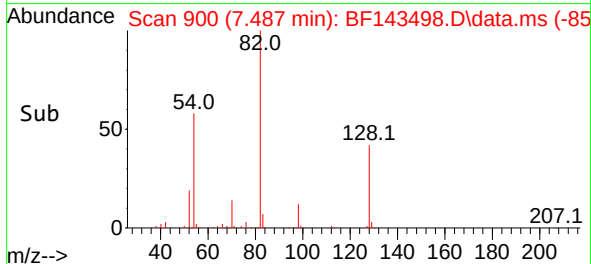
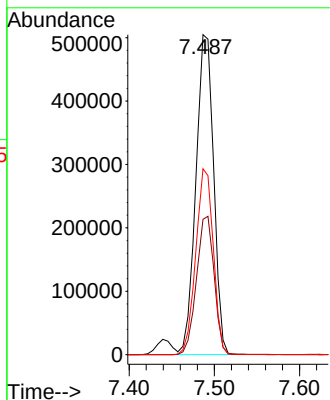
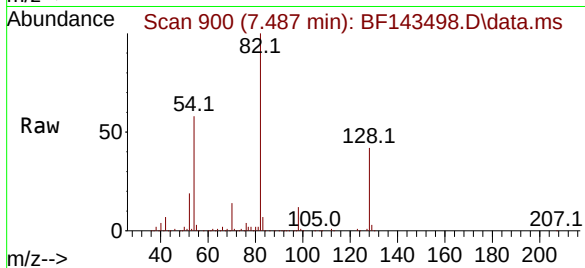
Tgt Ion: 82 Resp: 729626

Ion Ratio Lower Upper

82 100

128 42.3 35.5 53.3

54 58.1 44.3 66.5



#24

Nitrobenzene

Concen: 40.995 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

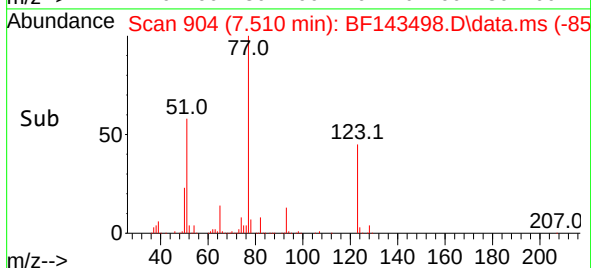
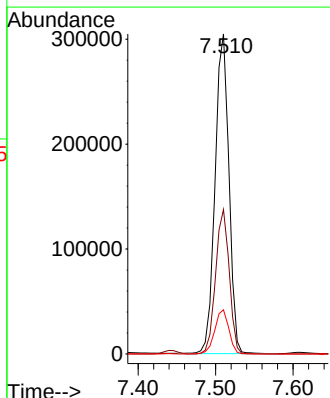
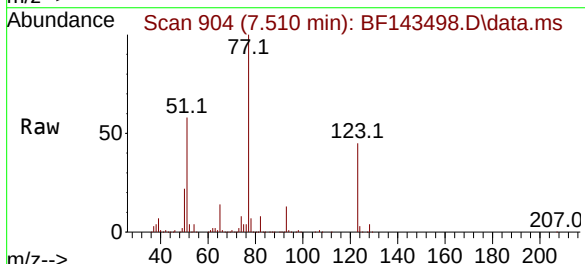
Tgt Ion: 77 Resp: 377880

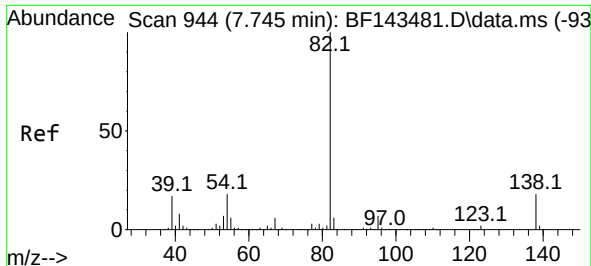
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

65 13.8 11.0 16.6

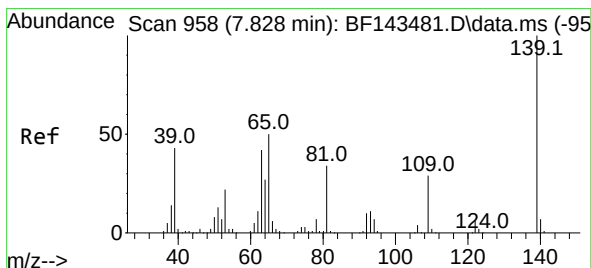
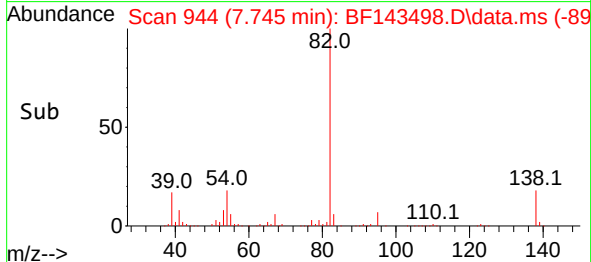
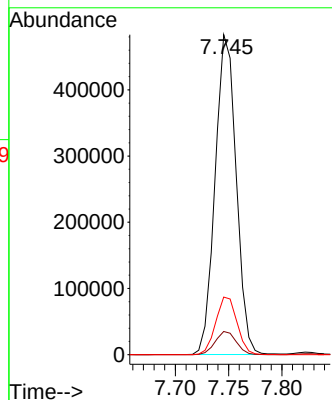
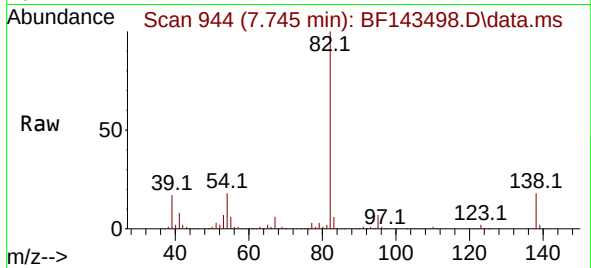




#25
Isophorone
Concen: 40.435 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

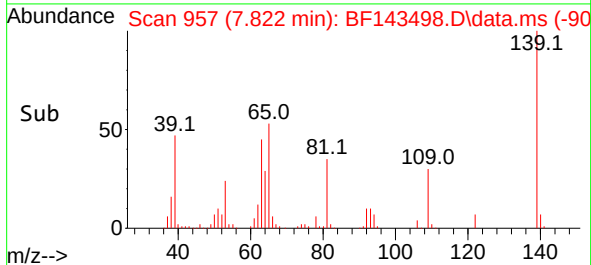
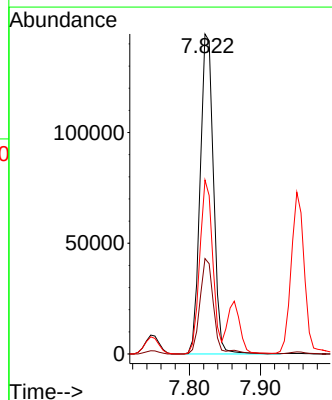
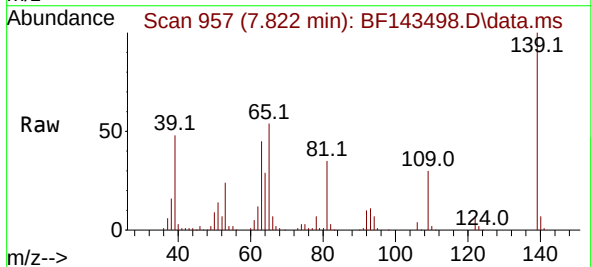
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

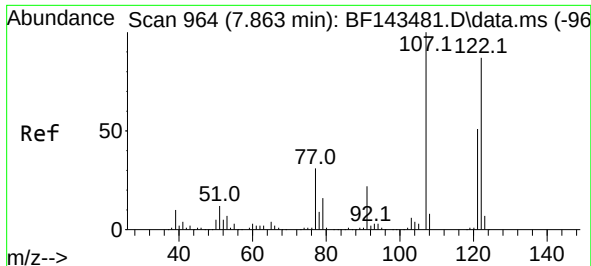
Tgt Ion: 82 Resp: 663816
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 18.0 14.2 21.4



#26
2-Nitrophenol
Concen: 41.873 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:139 Resp: 189065
Ion Ratio Lower Upper
139 100
109 29.8 23.0 34.6
65 54.4 40.3 60.5

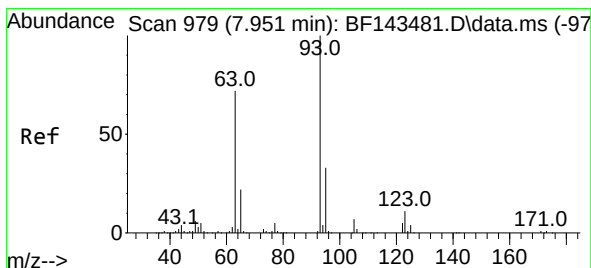
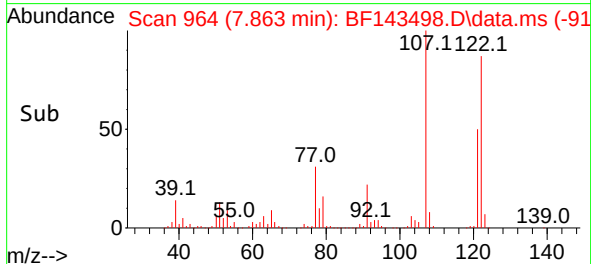
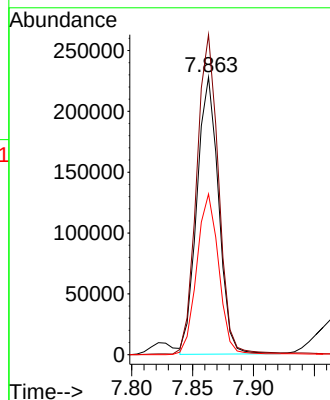
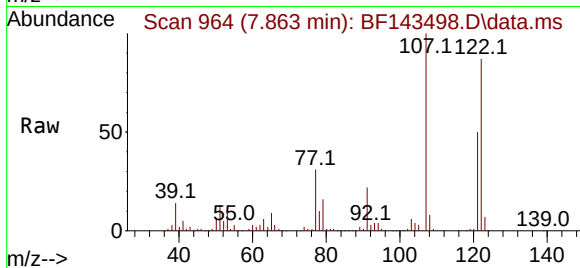




#27
2,4-Dimethylphenol
Concen: 40.152 ng
RT: 7.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

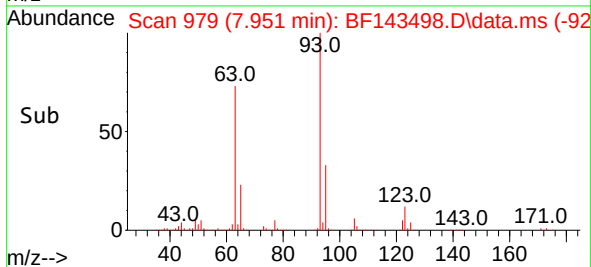
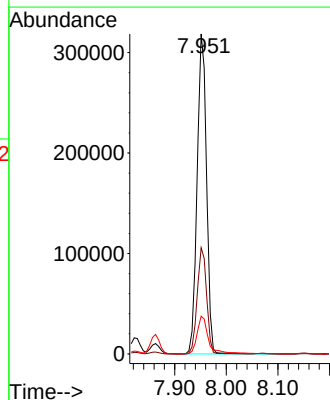
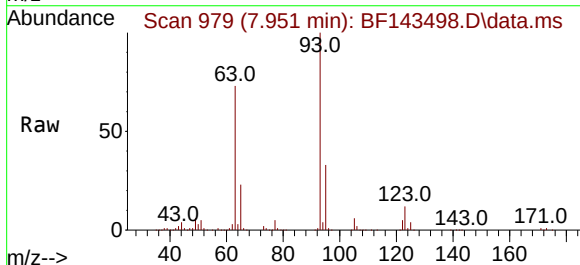
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

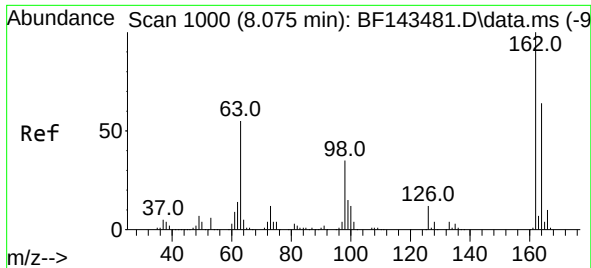
Tgt Ion:122 Resp: 282610
Ion Ratio Lower Upper
122 100
107 115.3 91.5 137.3
121 57.9 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 39.898 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion: 93 Resp: 402537
Ion Ratio Lower Upper
93 100
95 33.2 26.0 39.0
123 11.8 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.336 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

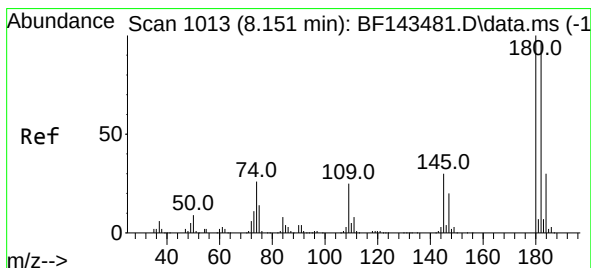
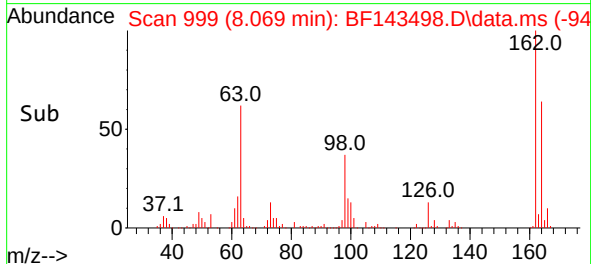
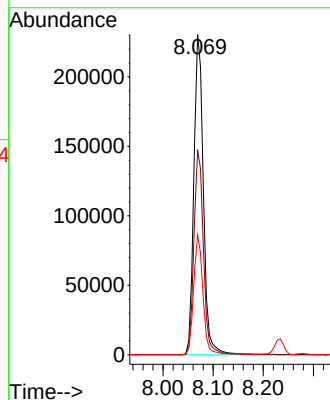
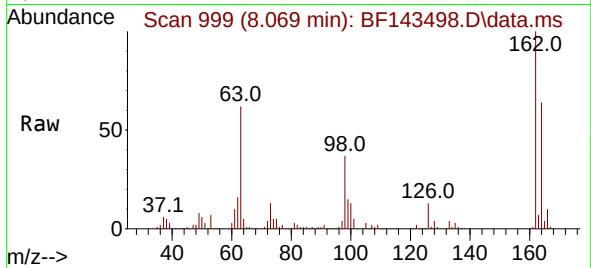
Tgt Ion:162 Resp: 303216

Ion Ratio Lower Upper

162 100

164 64.1 43.5 83.5

98 37.4 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 38.930 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

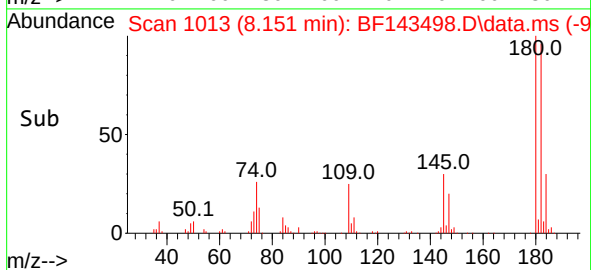
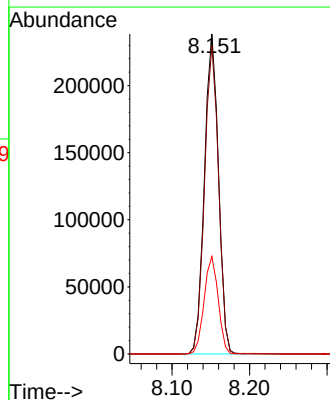
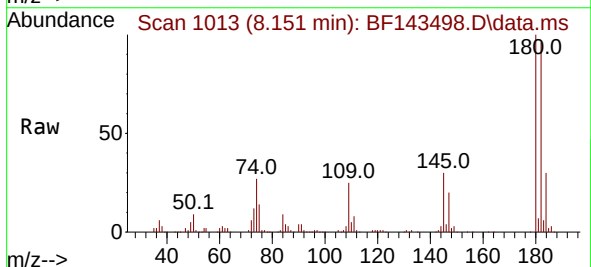
Tgt Ion:180 Resp: 300881

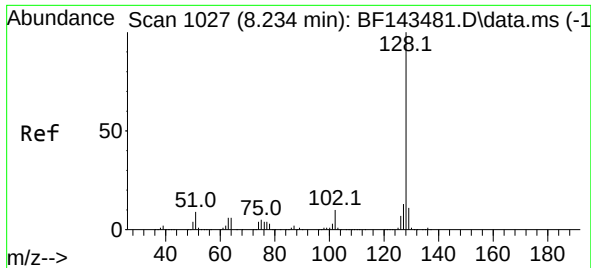
Ion Ratio Lower Upper

180 100

182 96.4 76.6 114.8

145 30.4 24.3 36.5

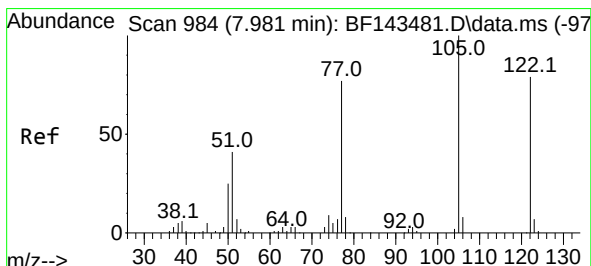
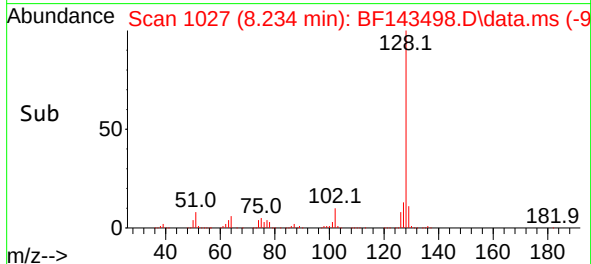
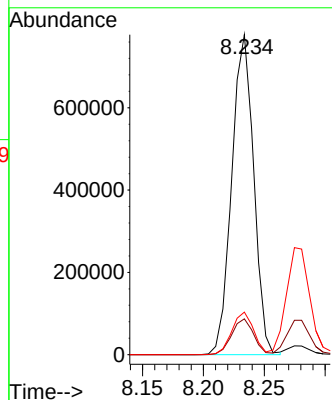
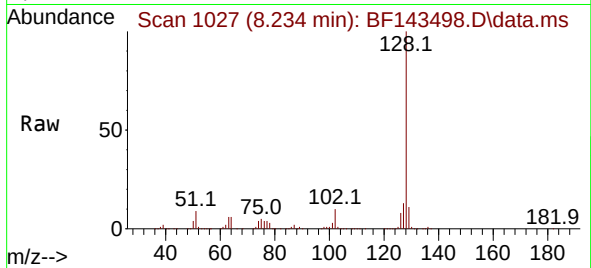




#31
Naphthalene
Concen: 38.863 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

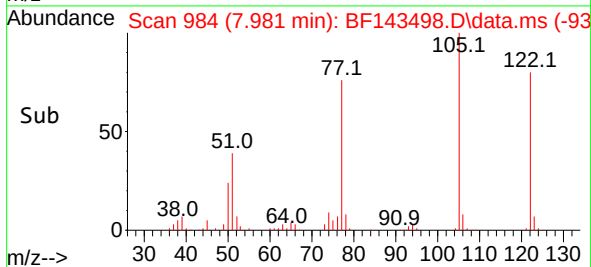
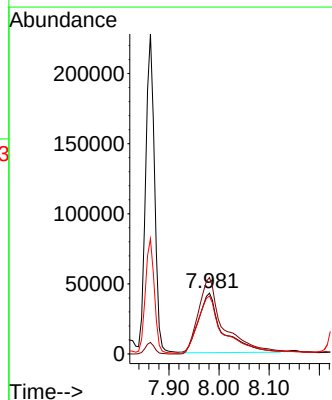
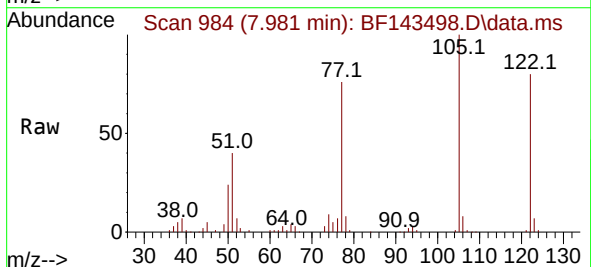
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

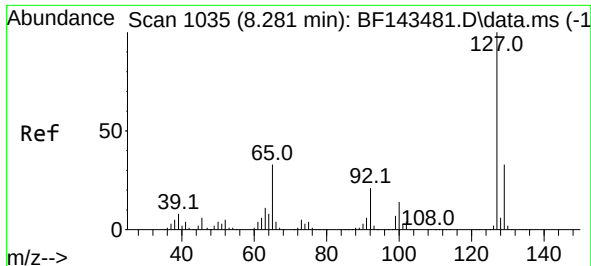
Tgt Ion:128 Resp: 975102
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 37.123 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.029 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:122 Resp: 142723
Ion Ratio Lower Upper
122 100
105 125.7 104.7 144.7
77 95.2 77.3 117.3

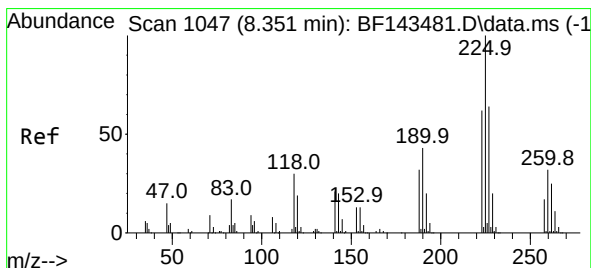
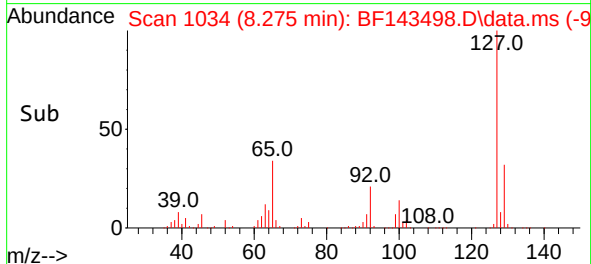
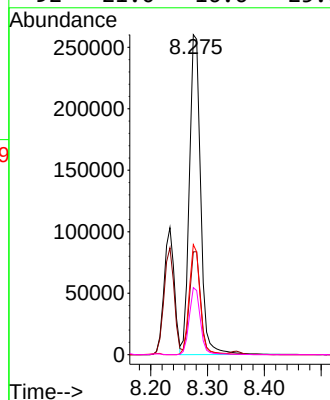
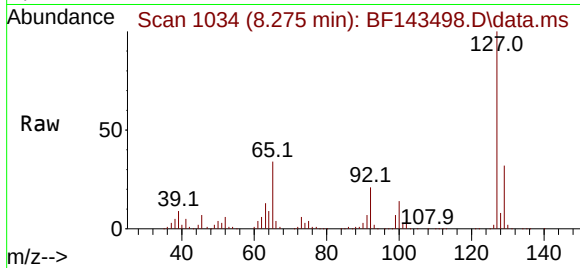




#33
4-Chloroaniline
Concen: 40.252 ng
RT: 8.275 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

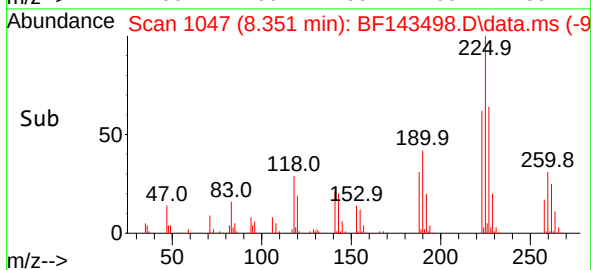
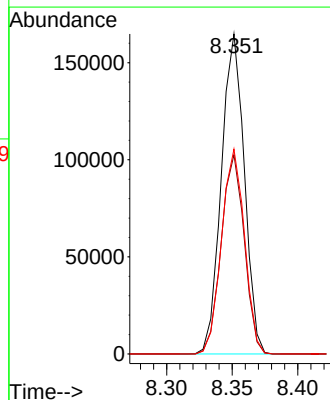
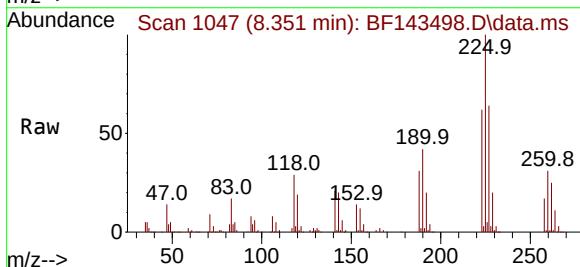
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

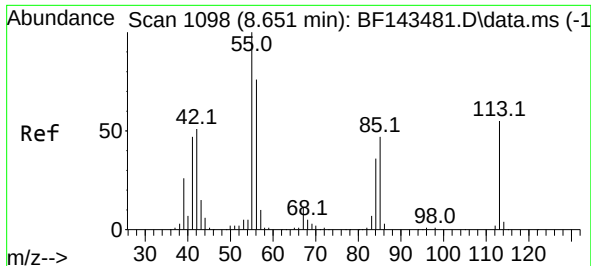
Tgt Ion:	127	Resp:	358457
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	34.4	26.2	39.2
92	21.0	16.6	25.0



#34
Hexachlorobutadiene
Concen: 39.776 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:	225	Resp:	200566
Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.9	74.9
227	64.0	50.9	76.3

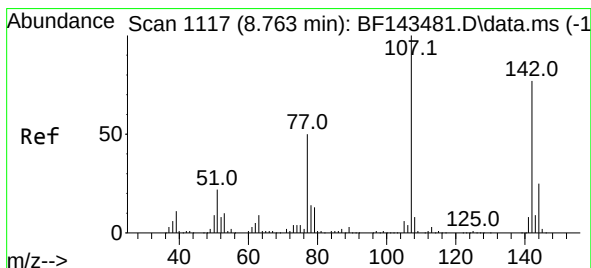
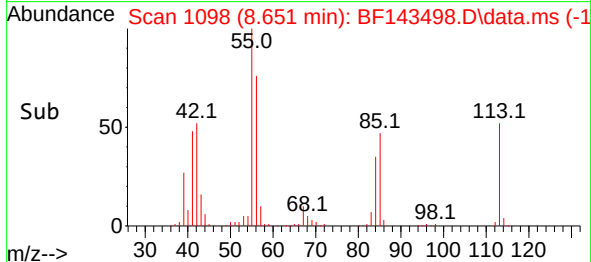
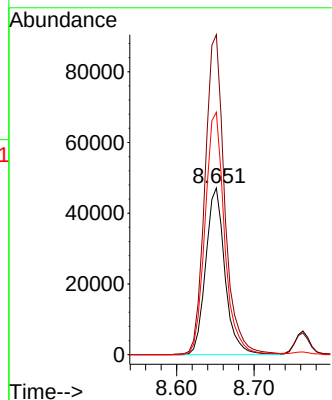
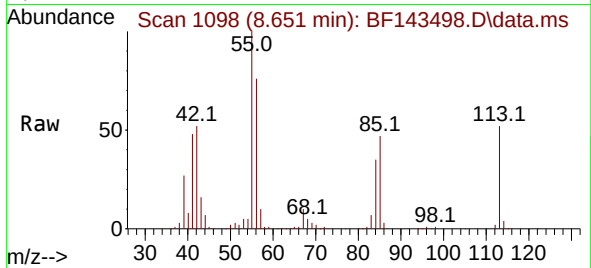




#35
 Caprolactam
 Concen: 44.931 ng
 RT: 8.651 min Scan# 1109
 Delta R.T. -0.024 min
 Lab File: BF143498.D
 Acq: 20 Aug 2025 22:05

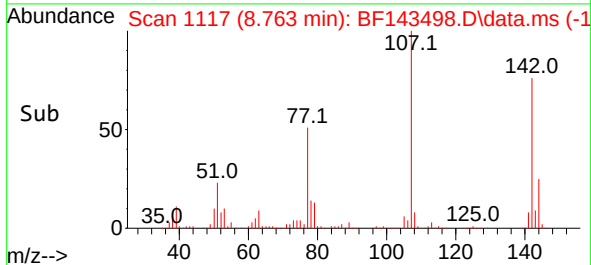
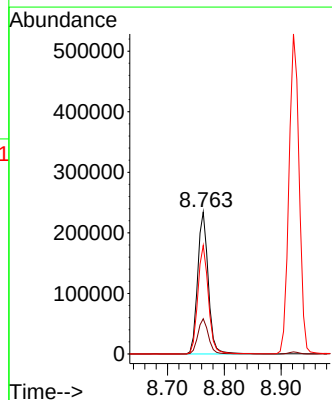
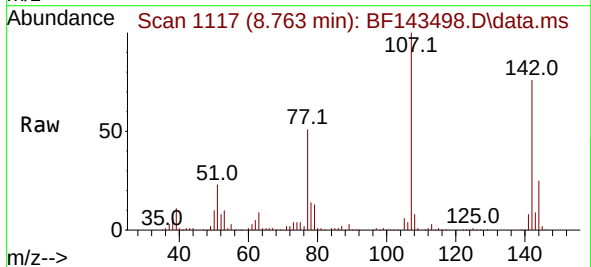
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

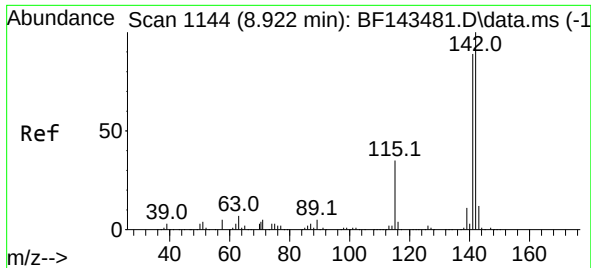
Tgt Ion:113 Resp: 81048
 Ion Ratio Lower Upper
 113 100
 55 192.0 162.8 202.8
 56 145.4 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 40.718 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143498.D
 Acq: 20 Aug 2025 22:05

Tgt Ion:107 Resp: 306743
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.9 29.9
 142 76.4 61.8 92.8

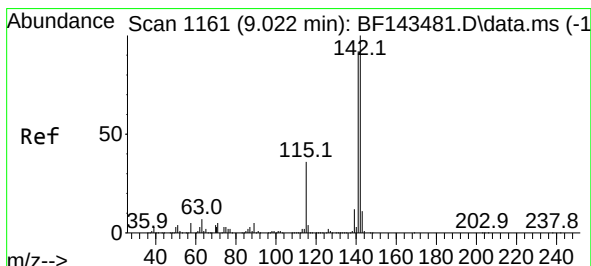
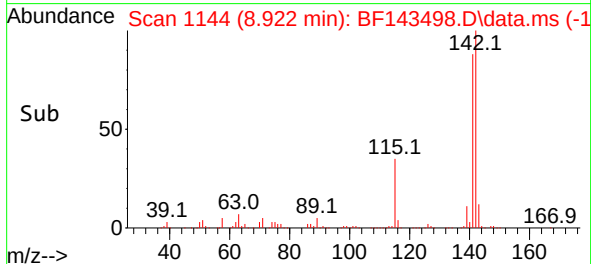
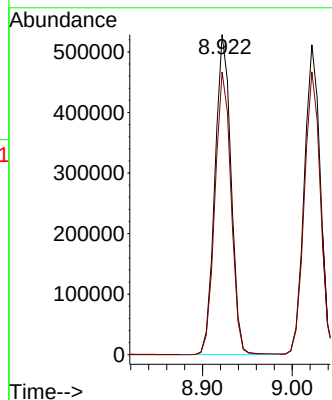
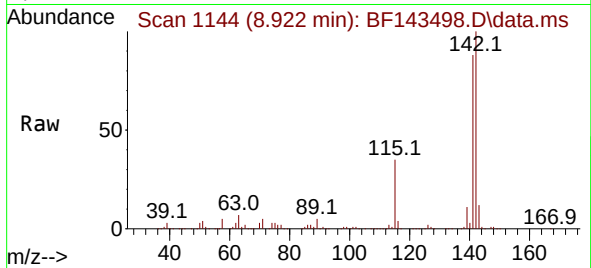




#37
2-Methylnaphthalene
Concen: 39.283 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

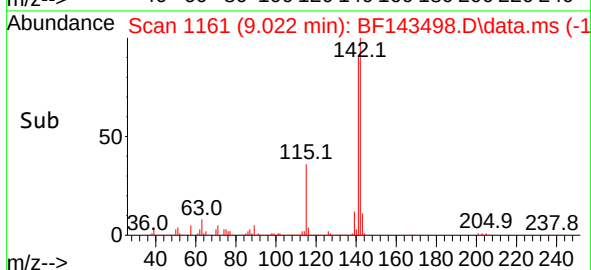
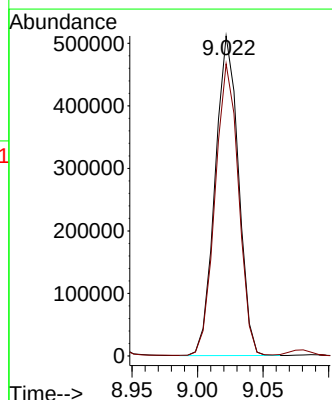
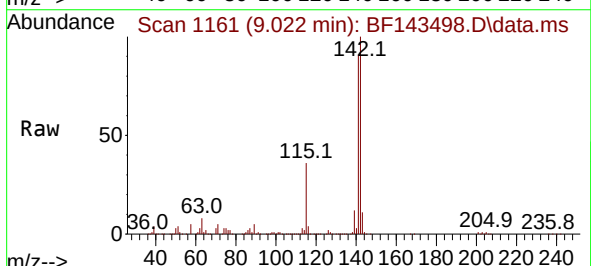
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

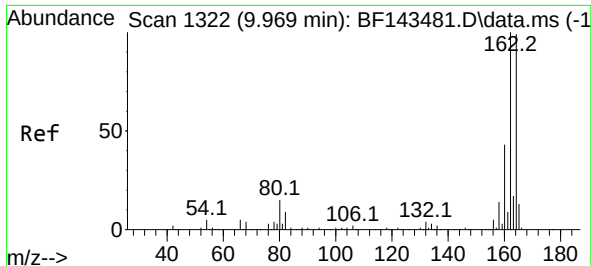
Tgt Ion:142 Resp: 658303
Ion Ratio Lower Upper
142 100
141 88.4 71.0 106.4



#38
1-Methylnaphthalene
Concen: 39.442 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:142 Resp: 632252
Ion Ratio Lower Upper
142 100
141 91.3 73.3 109.9

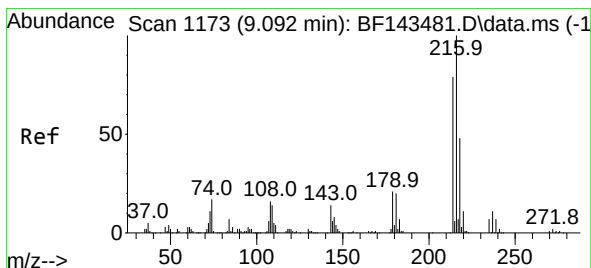
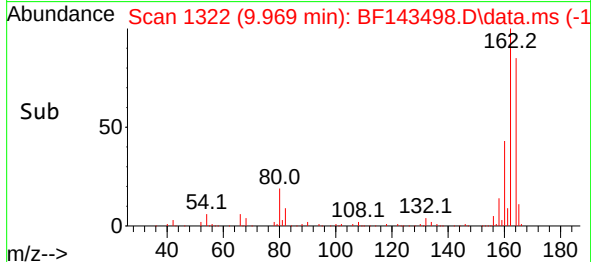
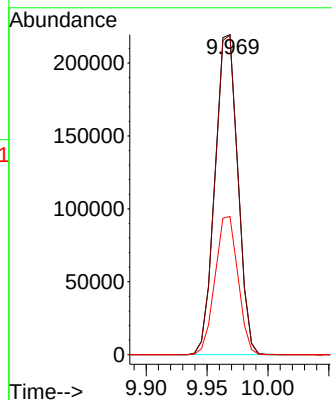
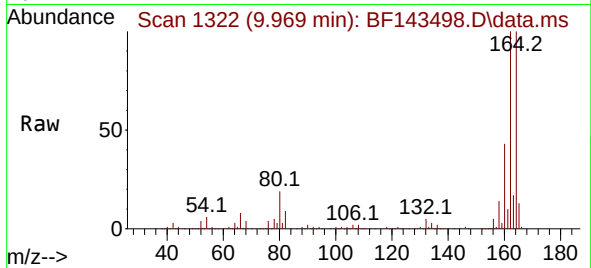




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

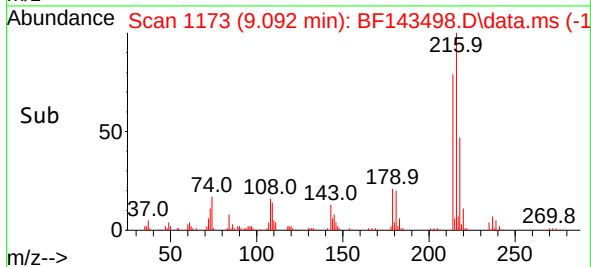
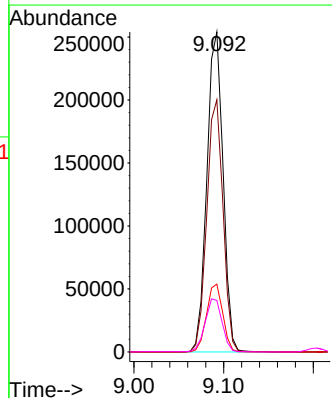
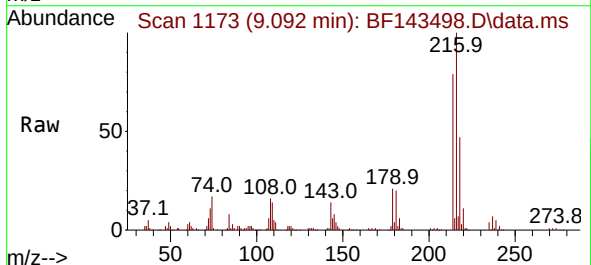
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BNA_F
ClientSampleId :
SSTDCCC040

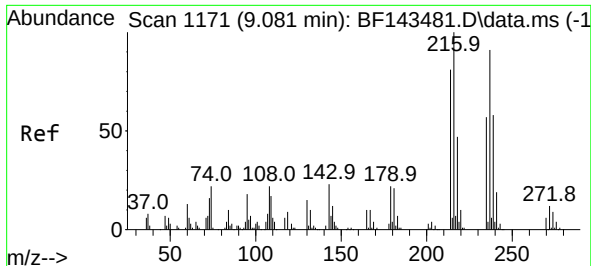
Tgt Ion:164 Resp: 286971
Ion Ratio Lower Upper
164 100
162 99.9 80.5 120.7
160 43.2 34.3 51.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.686 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:216 Resp: 317550
Ion Ratio Lower Upper
216 100
214 79.1 63.4 95.0
179 21.3 16.5 24.7
108 17.5 13.9 20.9

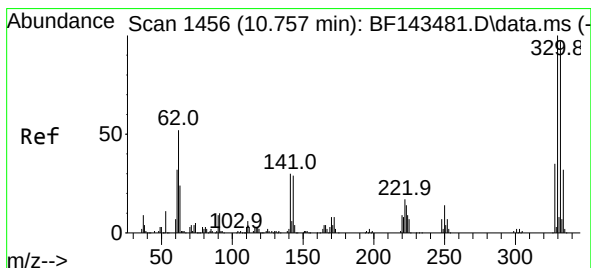
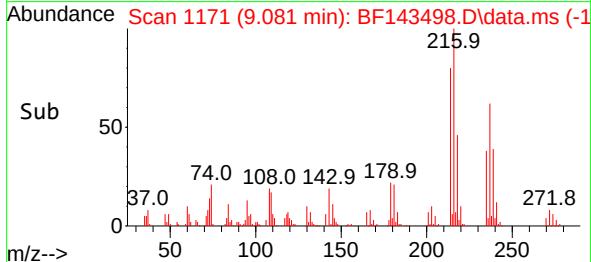
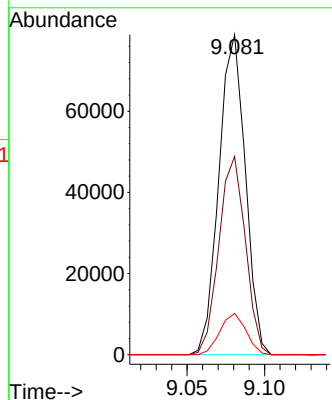
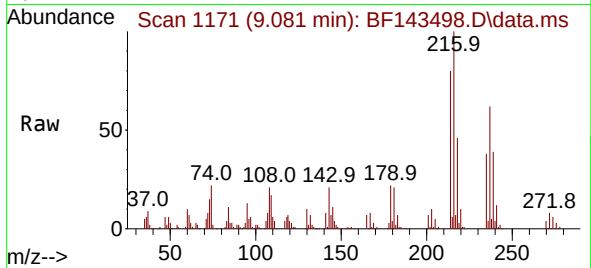




#41
Hexachlorocyclopentadiene
Concen: 33.457 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

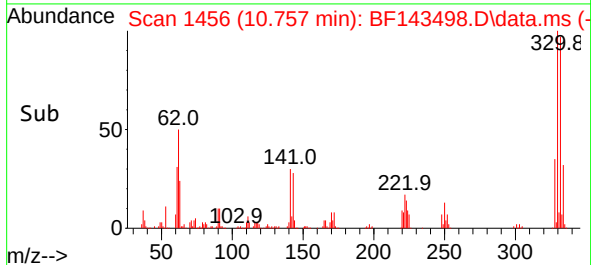
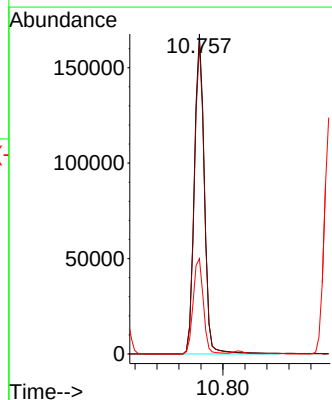
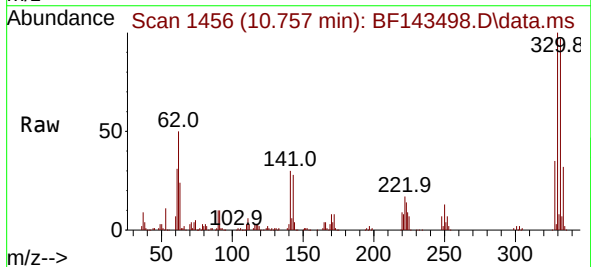
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

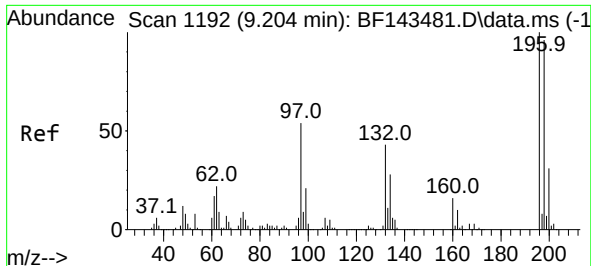
Tgt Ion:237	Resp:	93698
Ion Ratio	Lower	Upper
237	100	
235	61.9	42.6 82.6
272	12.9	0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 79.261 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:330	Resp:	211727
Ion Ratio	Lower	Upper
330	100	
332	97.3	78.0 117.0
141	30.3	23.7 35.5

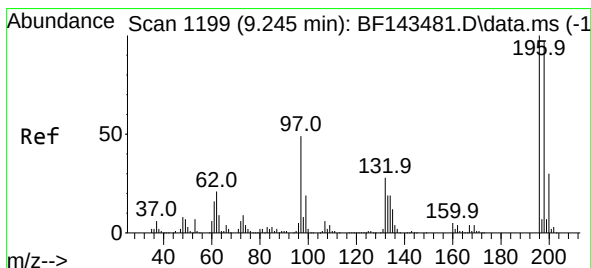
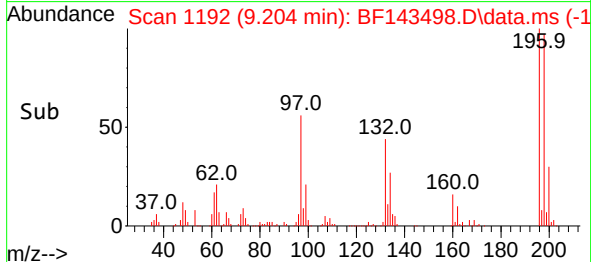
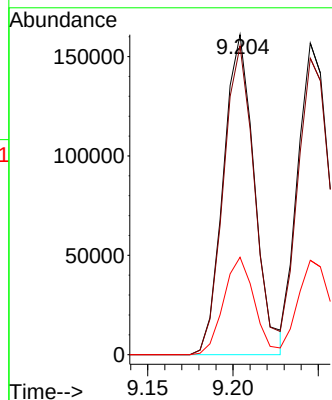
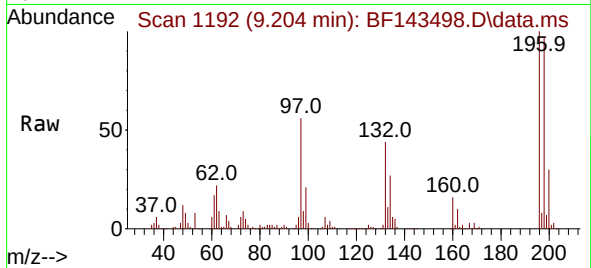




#43
2,4,6-Trichlorophenol
Concen: 40.426 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

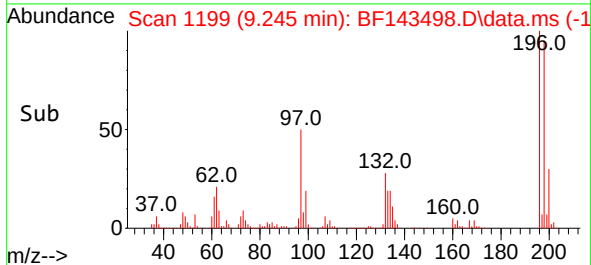
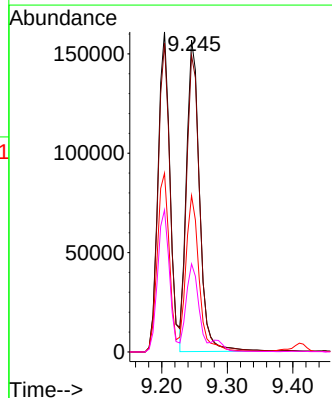
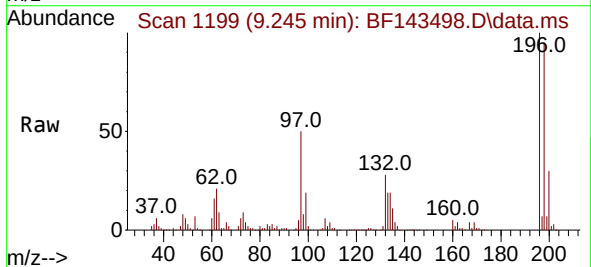
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

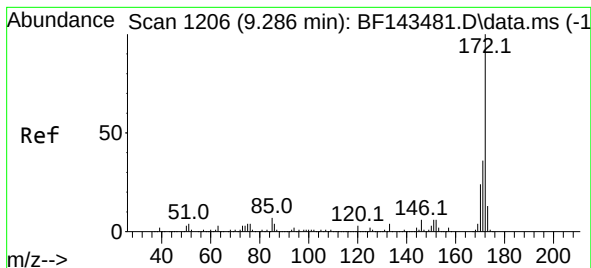
Tgt Ion:196 Resp: 204187
Ion Ratio Lower Upper
196 100
198 96.5 77.0 115.4
200 30.4 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 39.194 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:196 Resp: 216241
Ion Ratio Lower Upper
196 100
198 95.1 77.3 115.9
97 50.2 40.0 60.0
132 28.2 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 75.061 ng

RT: 9.287 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

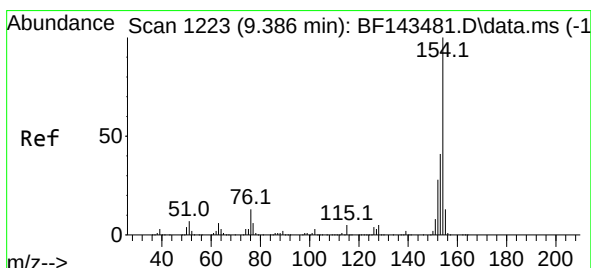
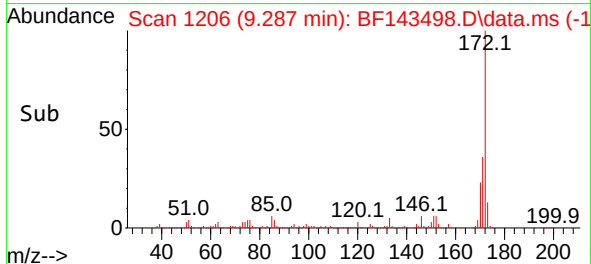
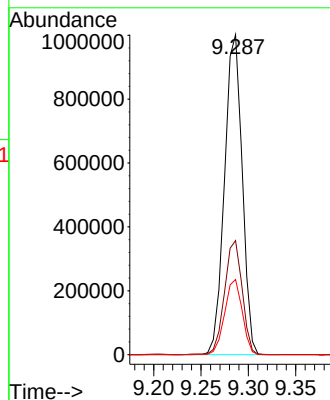
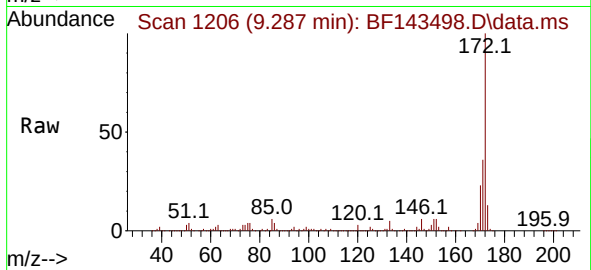
Tgt Ion:172 Resp: 1303360

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 38.693 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

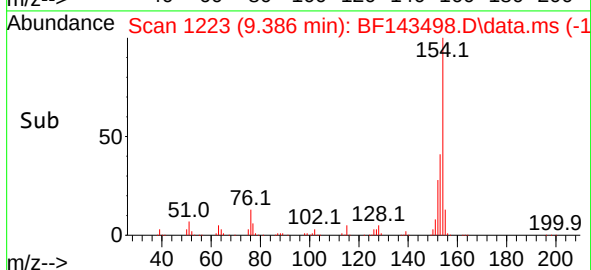
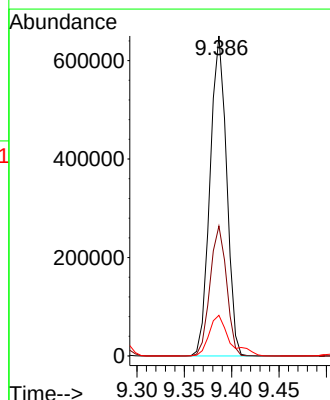
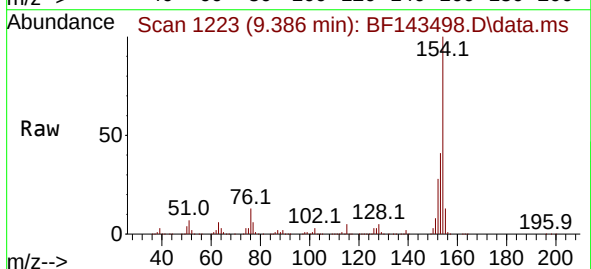
Tgt Ion:154 Resp: 788125

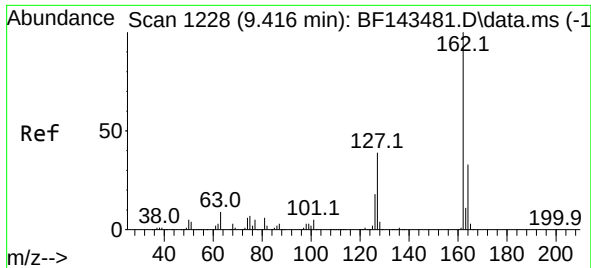
Ion Ratio Lower Upper

154 100

153 40.6 20.6 60.6

76 12.7 0.0 33.0

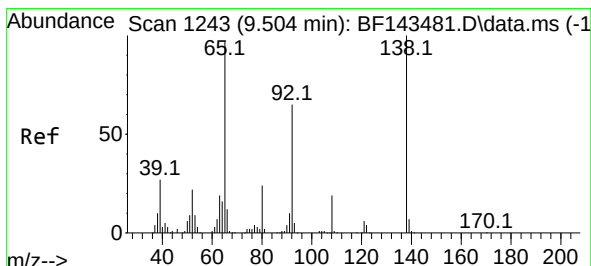
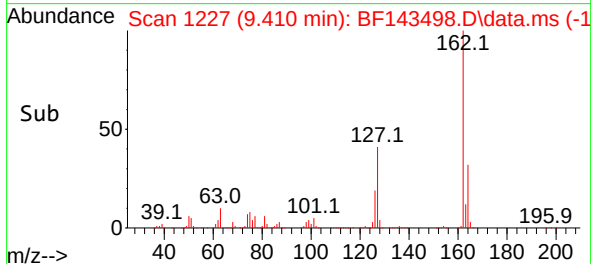
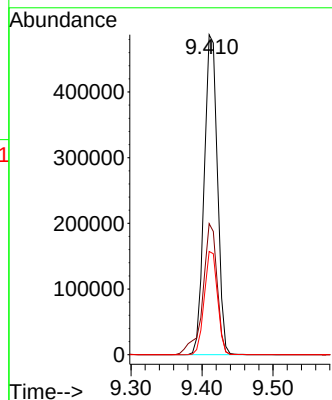
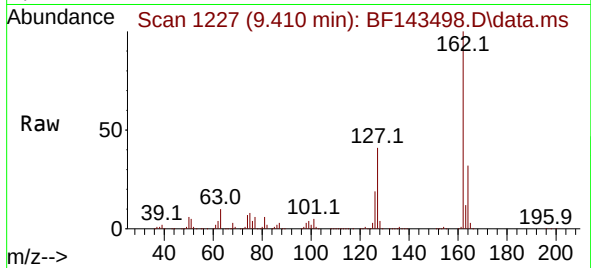




#47
2-Chloronaphthalene
Concen: 39.533 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

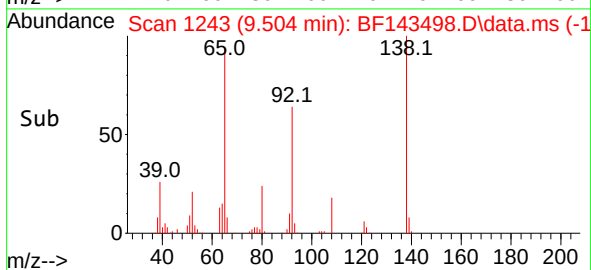
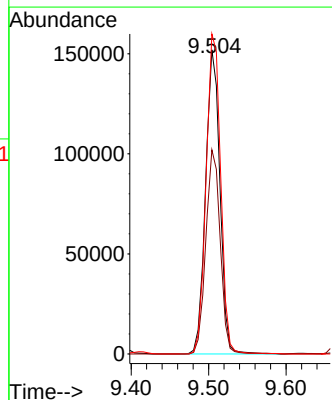
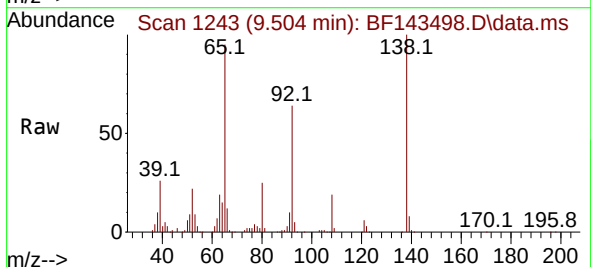
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

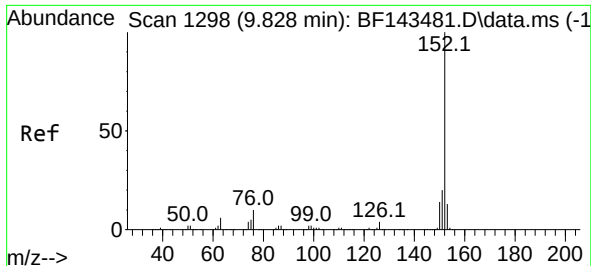
Tgt Ion:162 Resp: 631796
Ion Ratio Lower Upper
162 100
127 41.0 31.8 47.6
164 32.2 26.4 39.6



#48
2-Nitroaniline
Concen: 41.804 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion: 65 Resp: 195526
Ion Ratio Lower Upper
65 100
92 67.1 53.8 80.6
138 105.2 82.4 123.6





#49

Acenaphthylene

Concen: 39.486 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

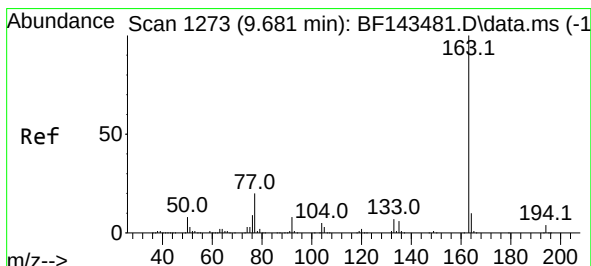
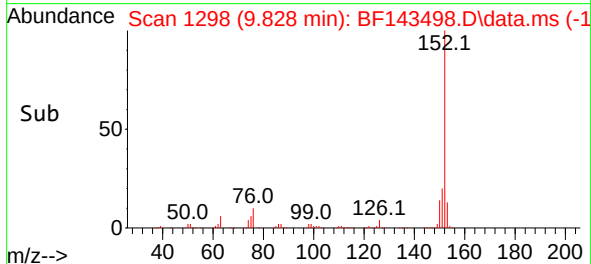
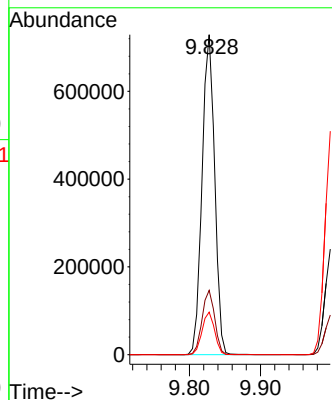
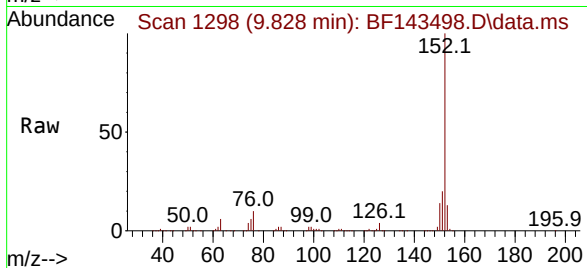
Tgt Ion:152 Resp: 903587

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 13.3 10.6 15.8



#50

Dimethylphthalate

Concen: 40.765 ng

RT: 9.681 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

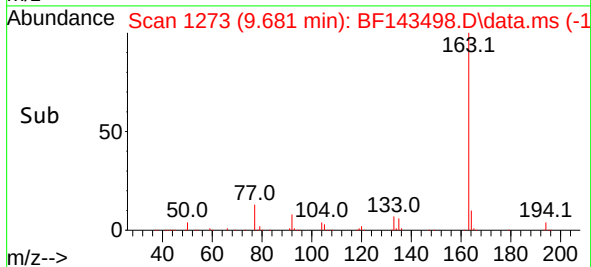
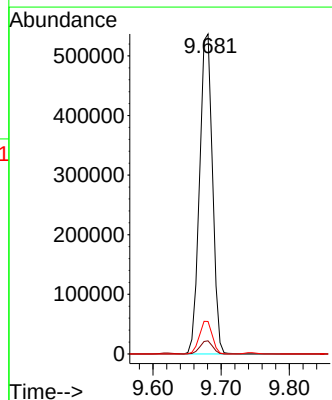
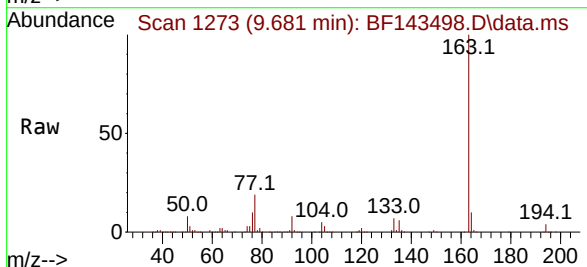
Tgt Ion:163 Resp: 704558

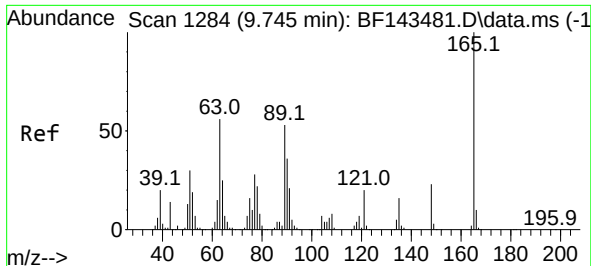
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 41.967 ng

RT: 9.745 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

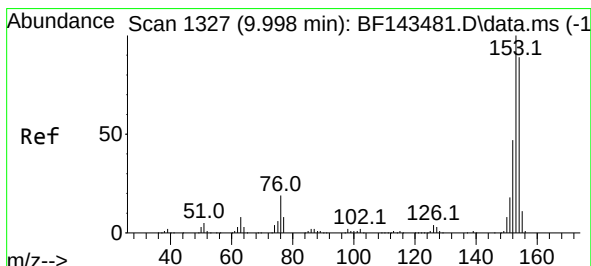
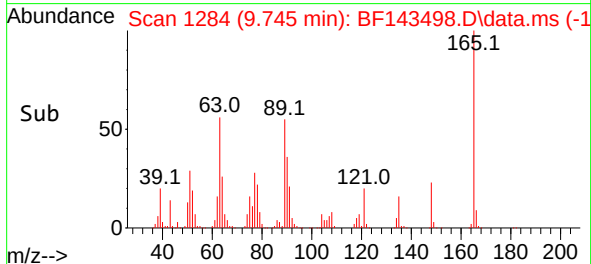
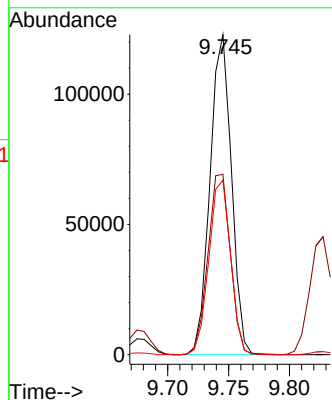
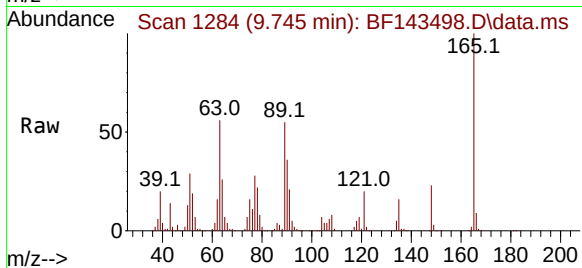
Tgt Ion:165 Resp: 150329

Ion Ratio Lower Upper

165 100

63 56.4 45.0 67.6

89 54.5 42.5 63.7



#52

Acenaphthene

Concen: 39.200 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

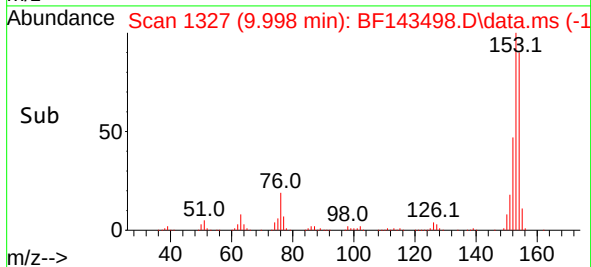
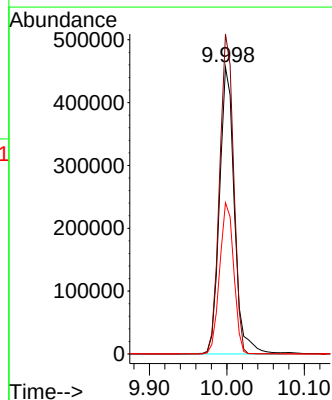
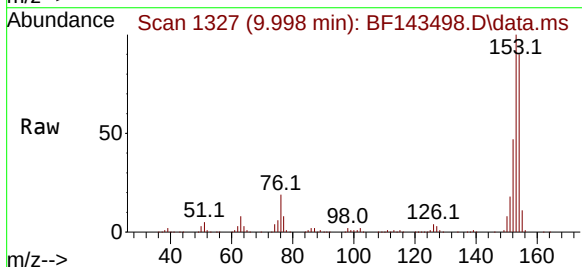
Tgt Ion:154 Resp: 609043

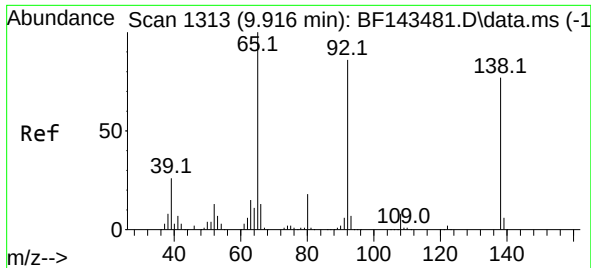
Ion Ratio Lower Upper

154 100

153 111.6 89.5 134.3

152 52.7 42.5 63.7

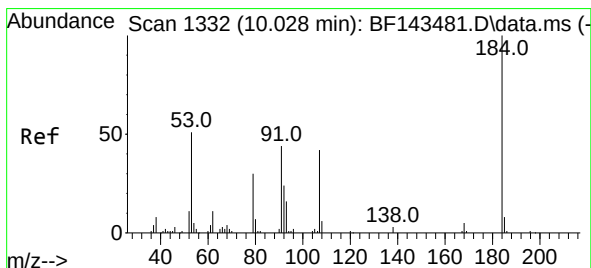
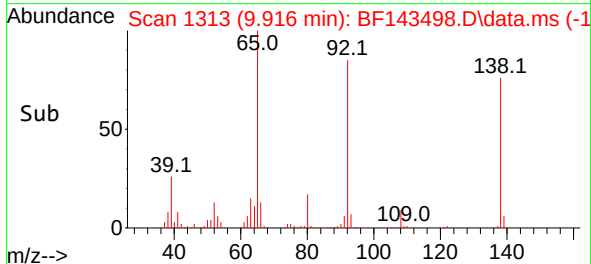
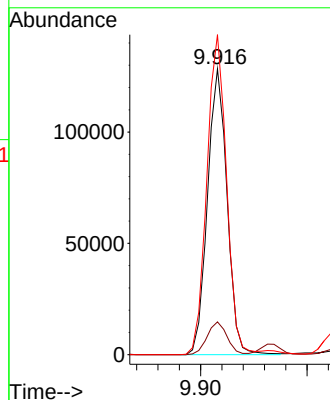
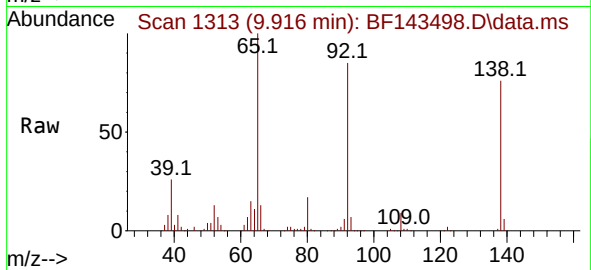




#53
3-Nitroaniline
Concen: 42.370 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

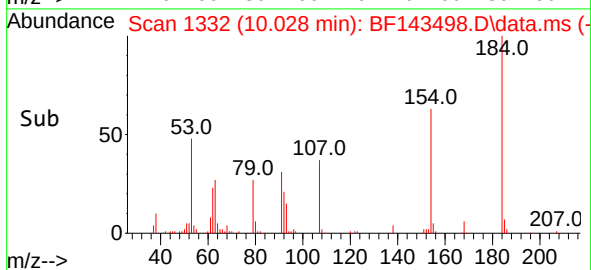
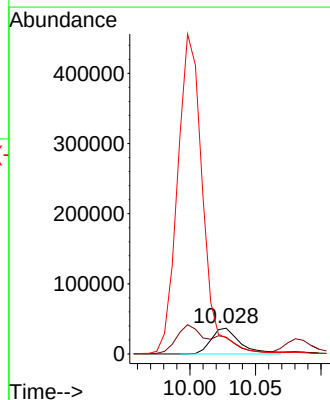
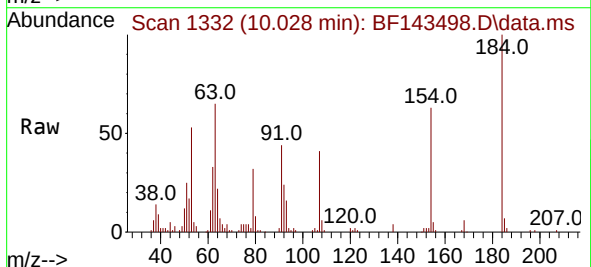
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

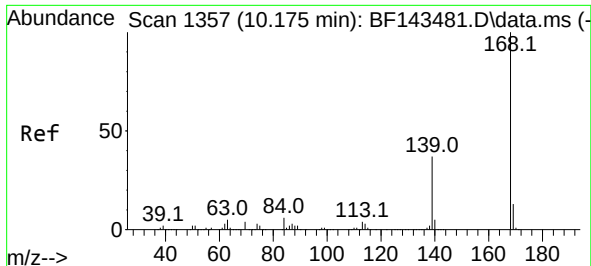
Tgt Ion:138 Resp: 164001
Ion Ratio Lower Upper
138 100
108 11.5 8.6 13.0
92 112.0 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 32.946 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:184 Resp: 56727
Ion Ratio Lower Upper
184 100
63 65.2 52.6 78.8
154 62.7 51.0 76.4

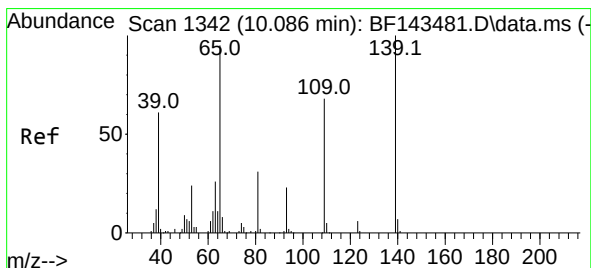
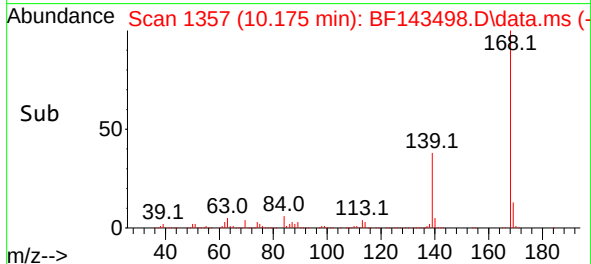
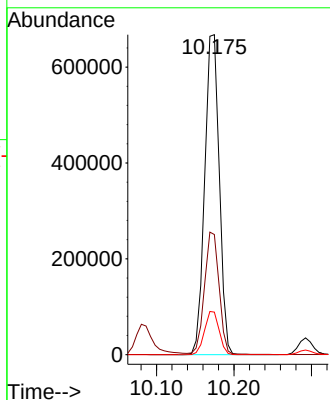
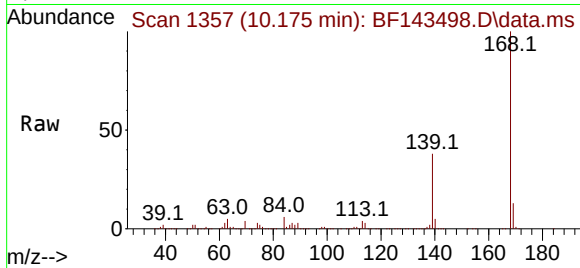




#55
Dibenzofuran
Concen: 39.338 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

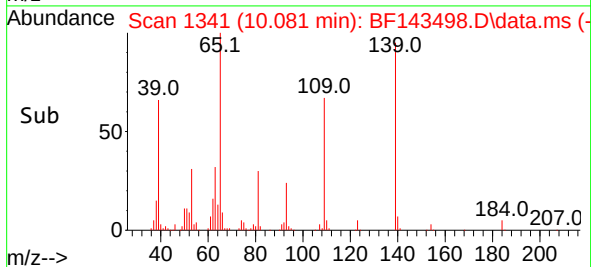
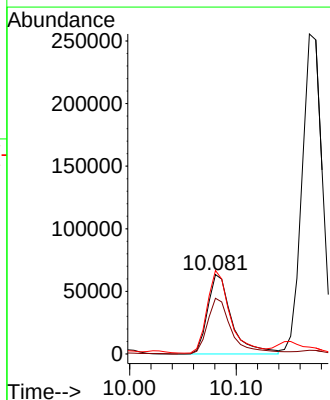
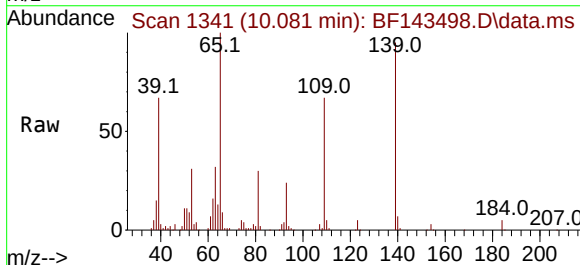
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

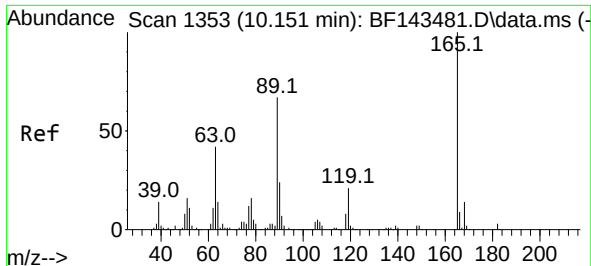
Tgt Ion:168 Resp: 871391
Ion Ratio Lower Upper
168 100
139 37.6 29.8 44.6
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 43.335 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:139 Resp: 99803
Ion Ratio Lower Upper
139 100
109 70.1 48.2 88.2
65 105.2 75.8 115.8

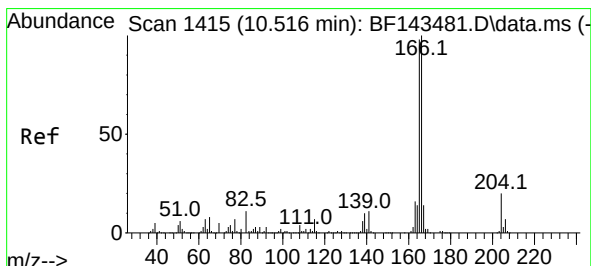
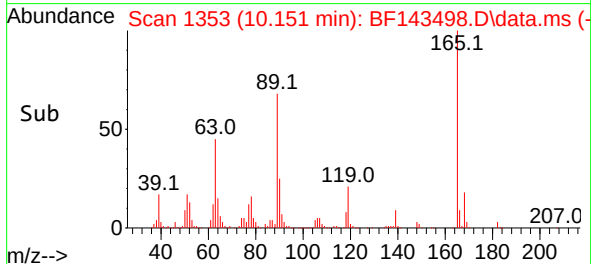
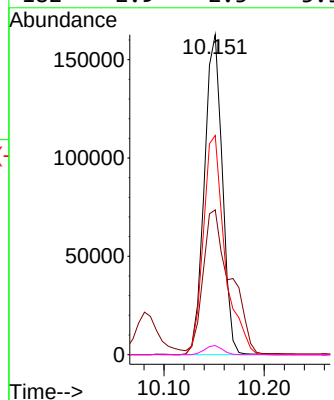
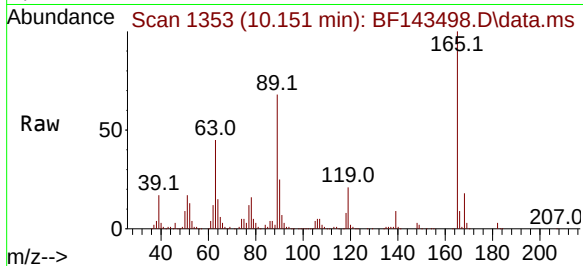




#57
2,4-Dinitrotoluene
Concen: 42.505 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

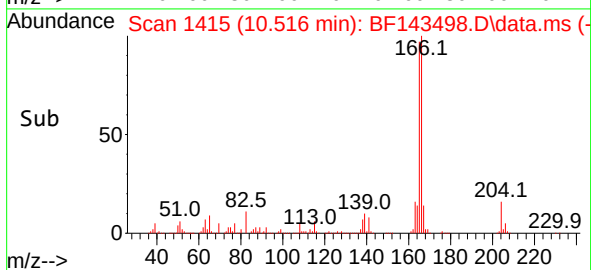
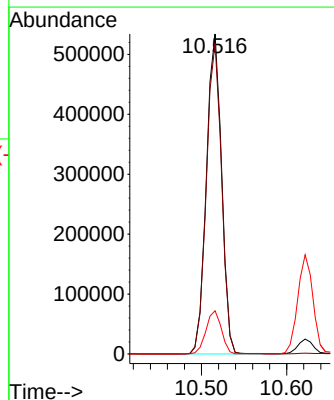
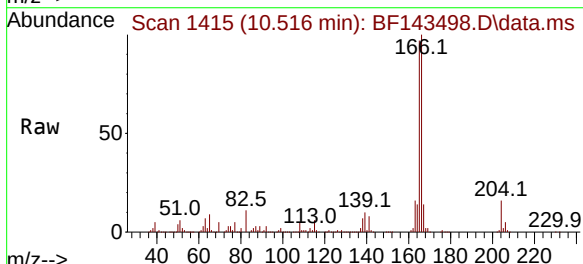
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

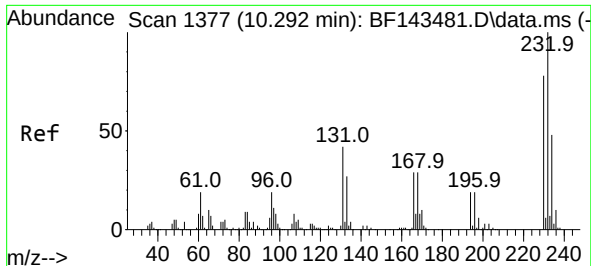
Tgt Ion:165 Resp: 203299
Ion Ratio Lower Upper
165 100
63 45.2 34.9 52.3
89 68.5 53.3 79.9
182 2.9 2.3 3.5



#58
Fluorene
Concen: 38.909 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

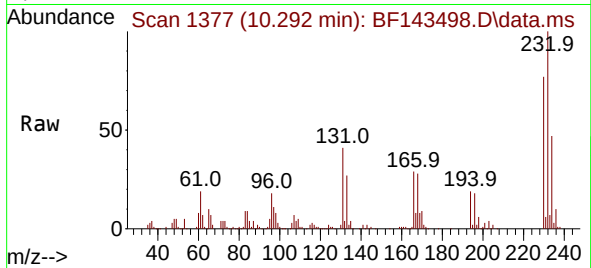
Tgt Ion:166 Resp: 663350
Ion Ratio Lower Upper
166 100
165 97.1 78.3 117.5
167 13.5 11.0 16.4



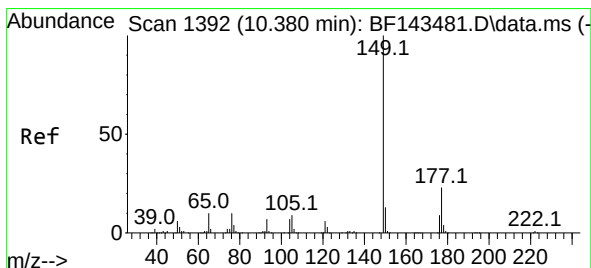
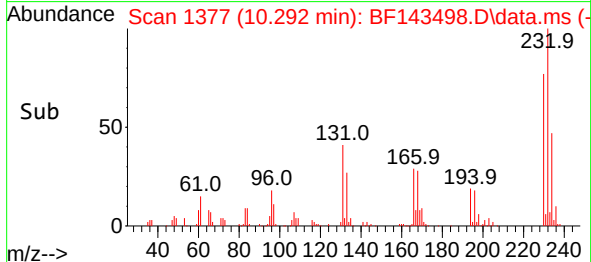
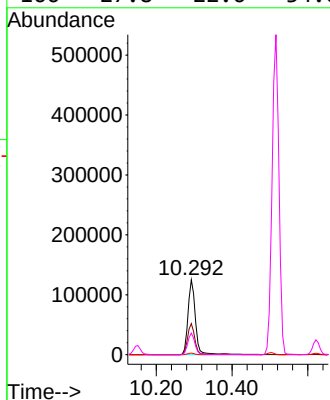


#59
2,3,4,6-Tetrachlorophenol
Concen: 41.458 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

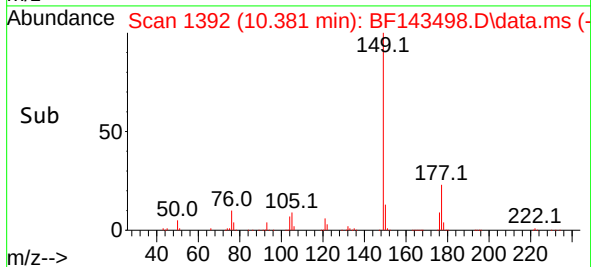
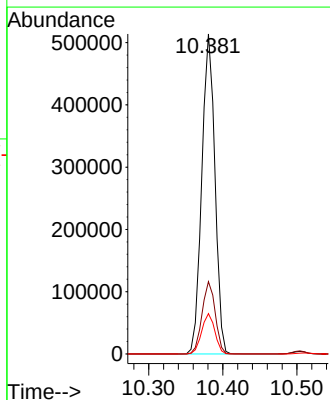
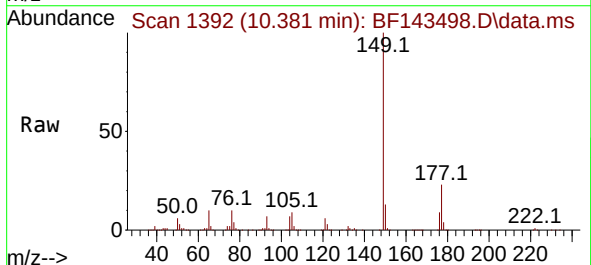


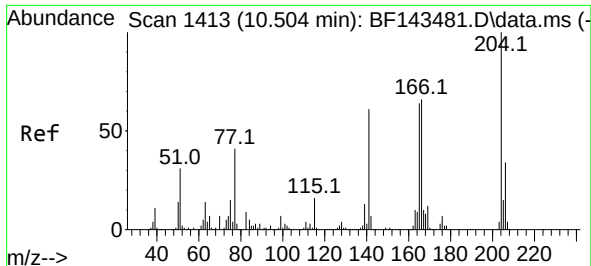
Tgt Ion:232 Resp: 169934
Ion Ratio Lower Upper
232 100
131 40.3 32.7 49.1
130 1.9 1.6 2.4
166 27.8 22.6 34.0



#60
Diethylphthalate
Concen: 40.873 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:149 Resp: 633362
Ion Ratio Lower Upper
149 100
177 22.6 18.3 27.5
150 12.6 10.3 15.5

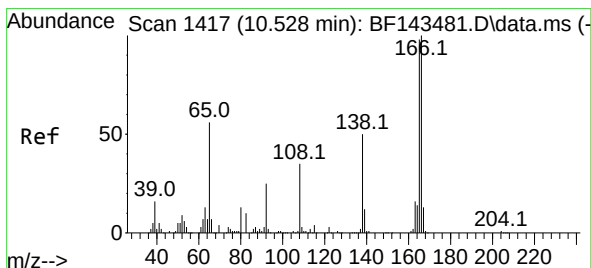
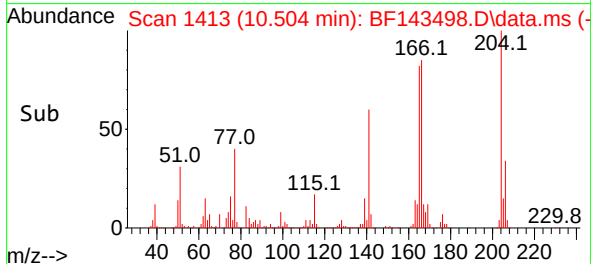
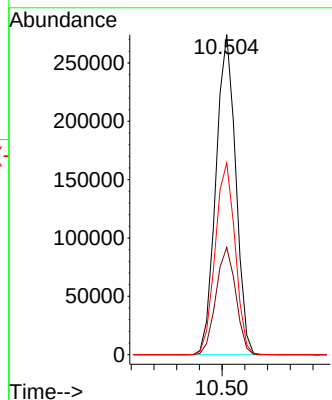
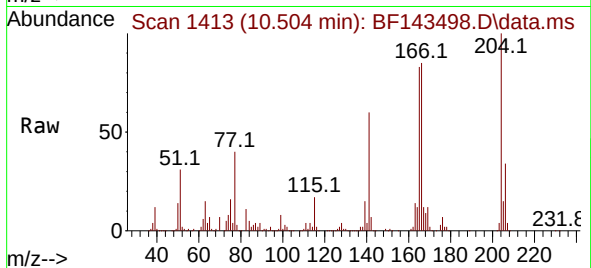




#61
4-Chlorophenyl-phenylether
Concen: 38.920 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

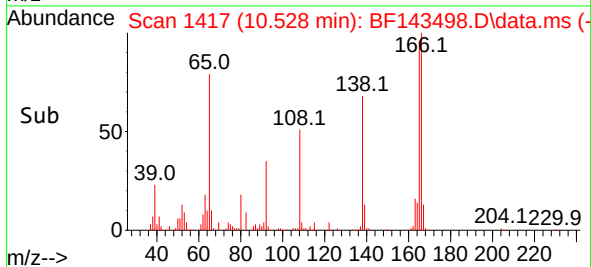
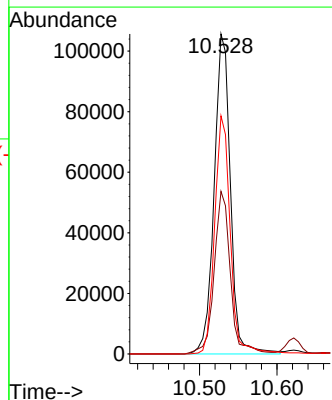
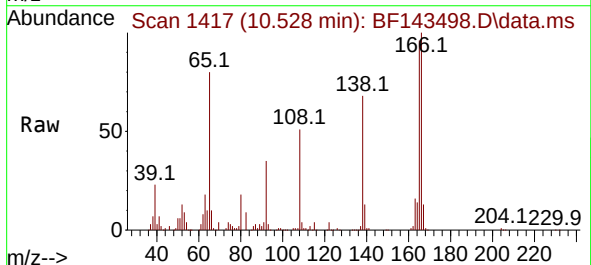
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

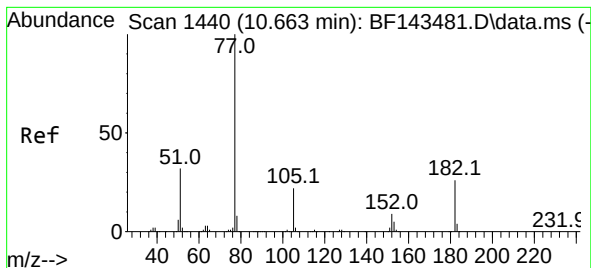
Tgt Ion:204 Resp: 331842
Ion Ratio Lower Upper
204 100
206 33.5 27.0 40.4
141 60.0 48.7 73.1



#62
4-Nitroaniline
Concen: 43.337 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:138 Resp: 154077
Ion Ratio Lower Upper
138 100
92 50.8 29.3 69.3
108 74.4 50.7 90.7

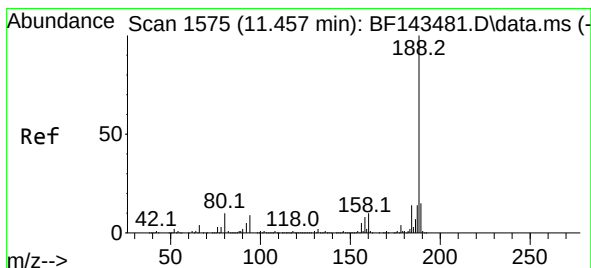
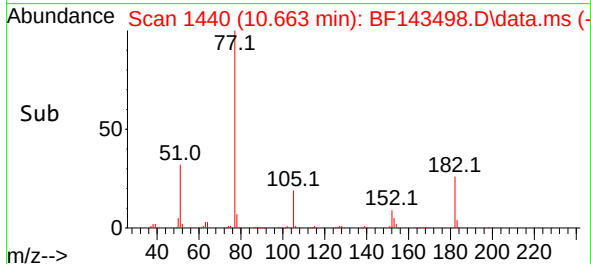
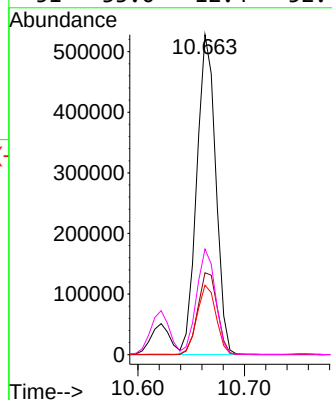
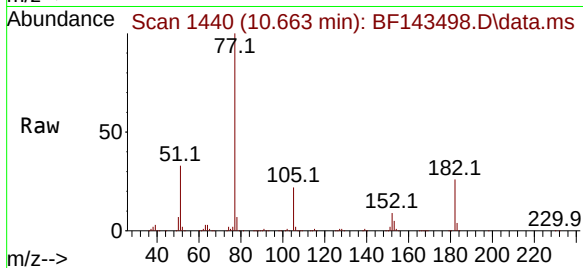




#63
Azobenzene
Concen: 40.670 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

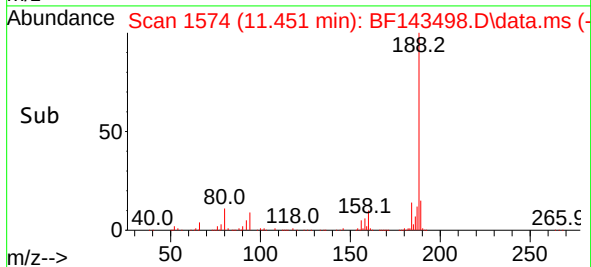
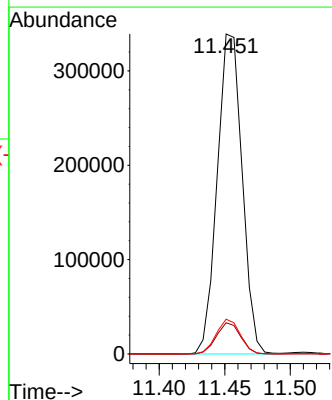
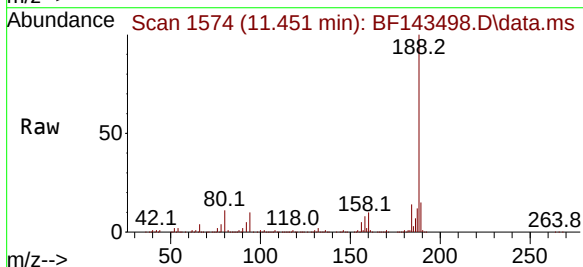
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

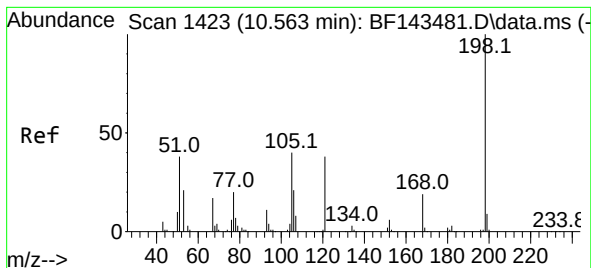
Tgt Ion: 77	Resp: 653457
Ion Ratio	Lower Upper
77 100	
182 25.6	6.2 46.2
105 21.7	2.2 42.2
51 33.0	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:188	Resp: 448105		
Ion Ratio	Lower	Upper	
188 100			
94 9.7	7.4	11.2	
80 10.9	8.2	12.4	

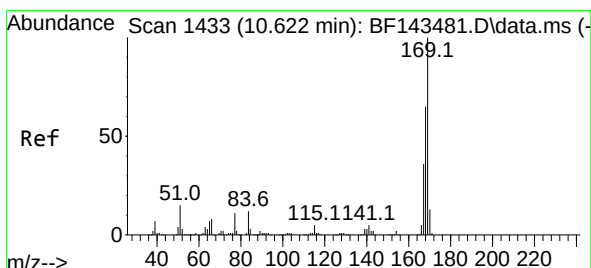
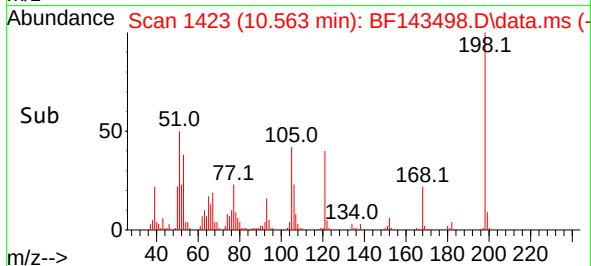
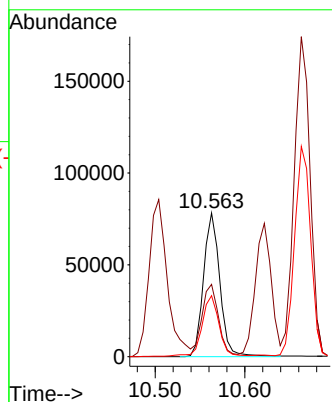
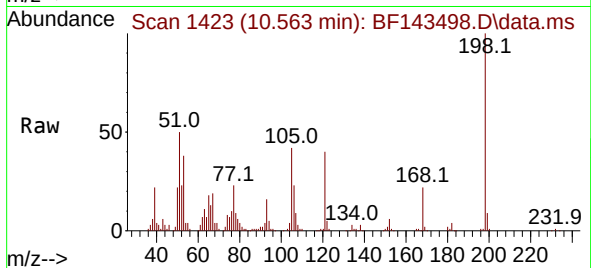




#65
4,6-Dinitro-2-methylphenol
Concen: 39.155 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

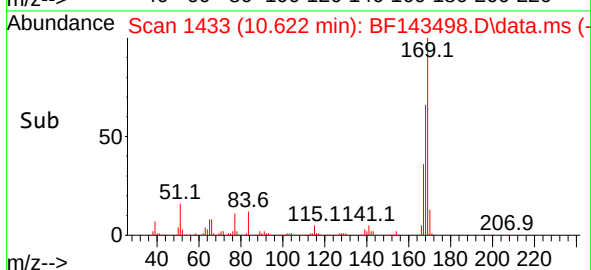
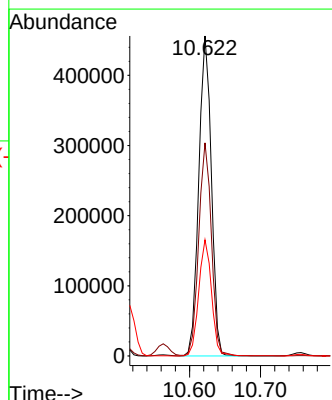
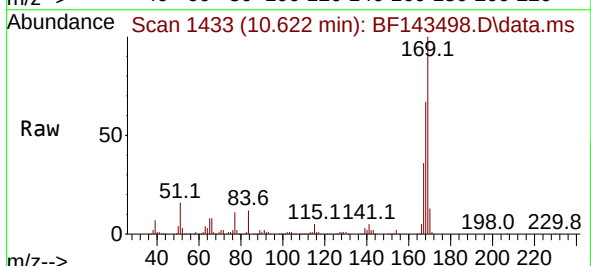
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

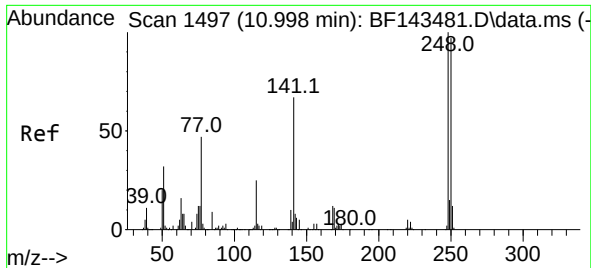
Tgt Ion:198 Resp: 98928
Ion Ratio Lower Upper
198 100
51 50.4 29.6 69.6
105 42.4 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 38.990 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:169 Resp: 562277
Ion Ratio Lower Upper
169 100
168 66.6 52.4 78.6
167 36.3 28.9 43.3

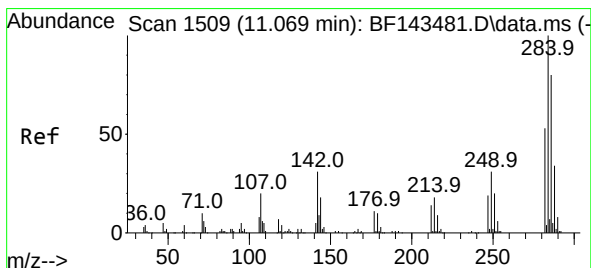
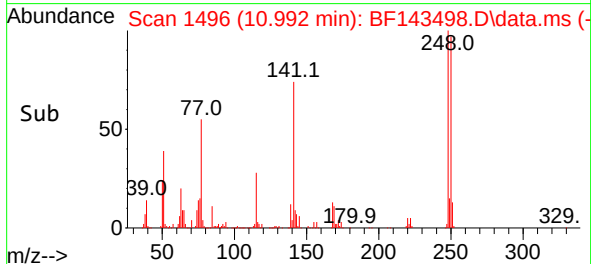
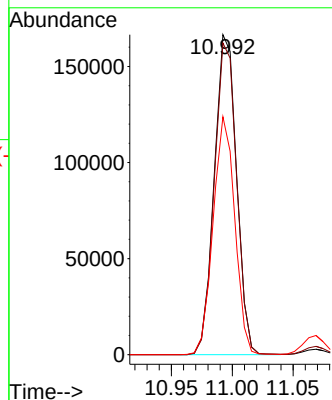
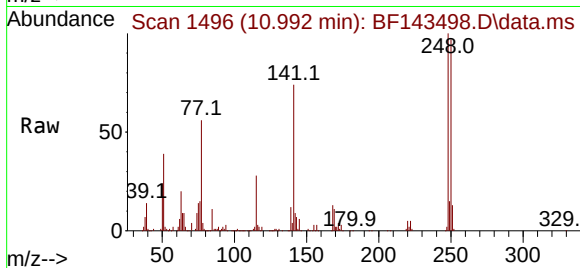




#67
4-Bromophenyl-phenylether
Concen: 39.734 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

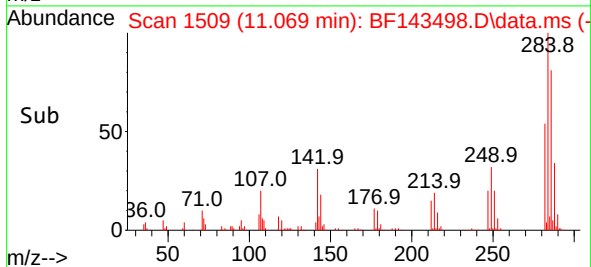
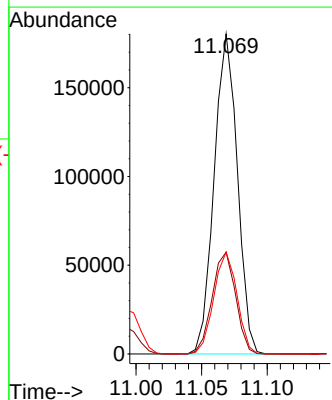
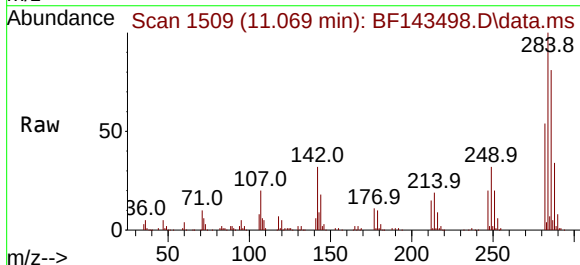
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

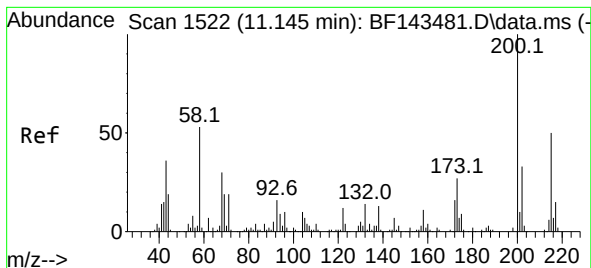
Tgt Ion:	248	Resp:	212441
Ion Ratio	Lower	Upper	
248	100		
250	97.4	77.8	116.8
141	74.4	54.0	81.0



#68
Hexachlorobenzene
Concen: 38.425 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:	284	Resp:	221451
Ion Ratio	Lower	Upper	
284	100		
142	31.8	24.4	36.6
249	31.9	25.0	37.6





#69

Atrazine

Concen: 44.605 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

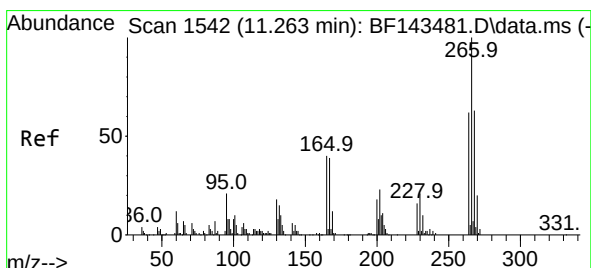
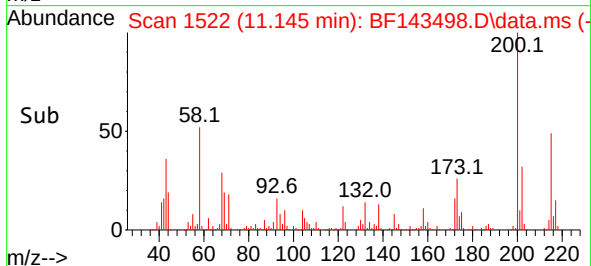
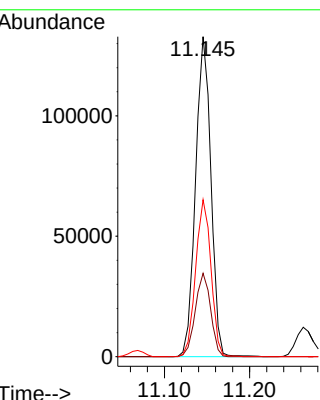
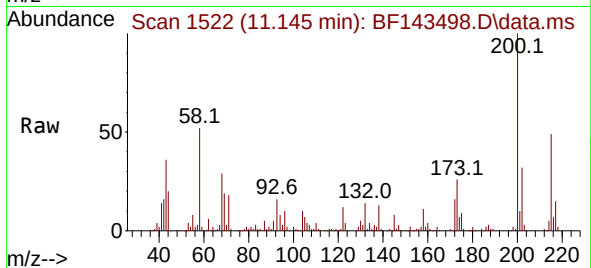
Tgt Ion:200 Resp: 166044

Ion Ratio Lower Upper

200 100

173 26.1 6.9 46.9

215 49.1 30.0 70.0



#70

Pentachlorophenol

Concen: 40.559 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

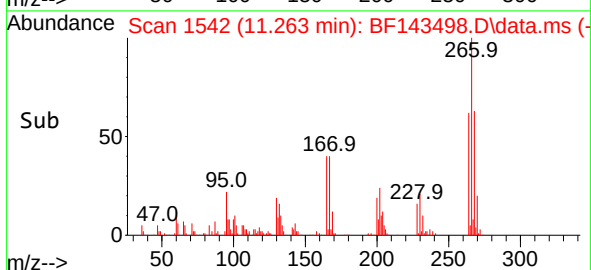
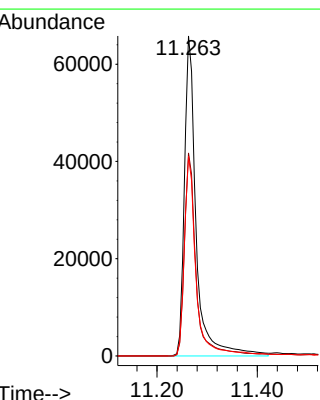
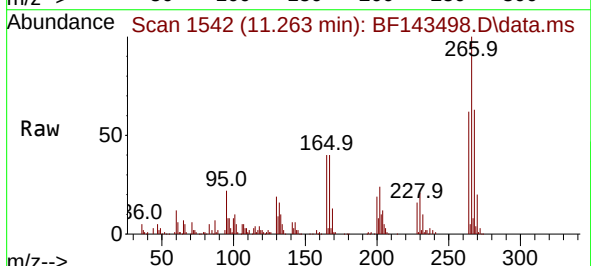
Tgt Ion:266 Resp: 107054

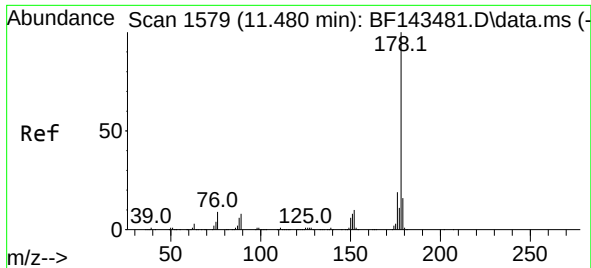
Ion Ratio Lower Upper

266 100

268 63.4 50.5 75.7

264 62.4 49.8 74.8

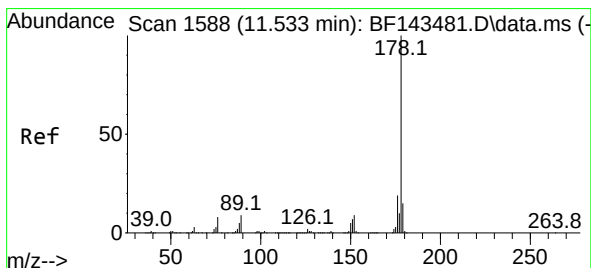
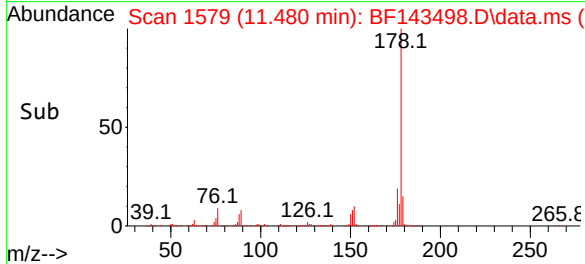
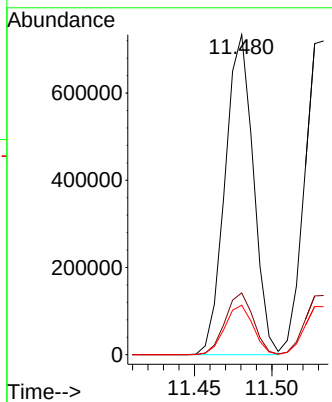
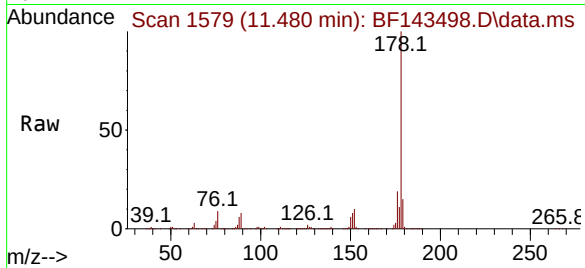




#71
Phenanthrene
Concen: 38.800 ng
RT: 11.480 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

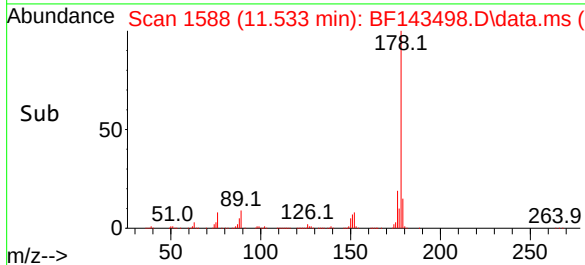
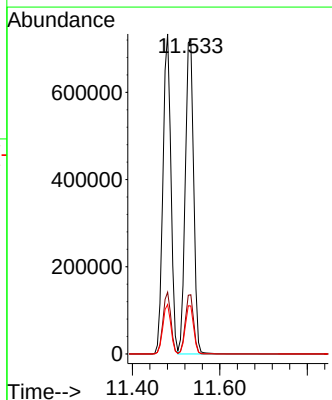
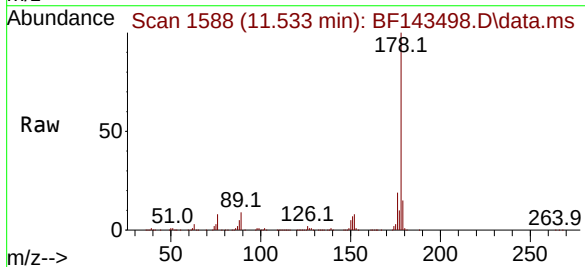
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

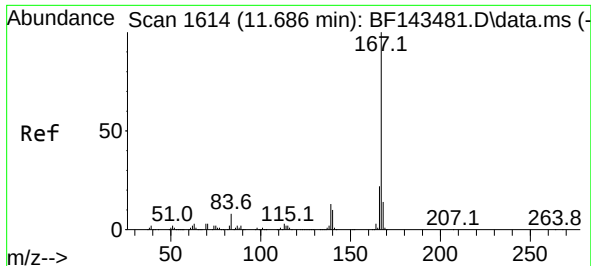
Tgt Ion:178 Resp: 931062
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.5 12.5 18.7



#72
Anthracene
Concen: 39.041 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

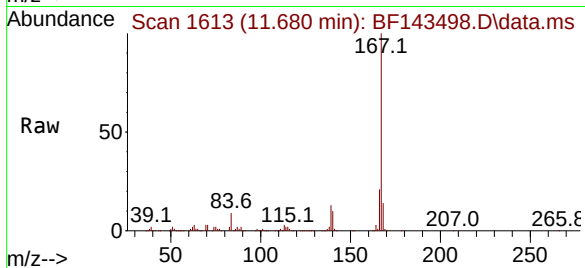
Tgt Ion:178 Resp: 949077
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.3 12.3 18.5



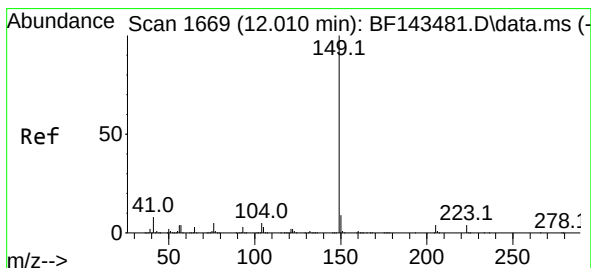
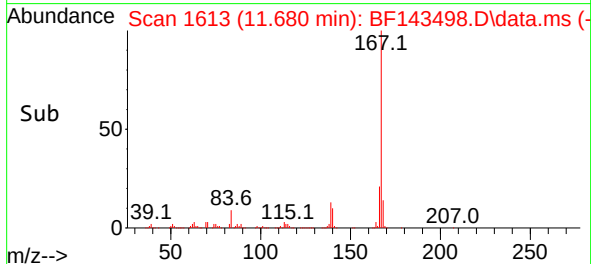
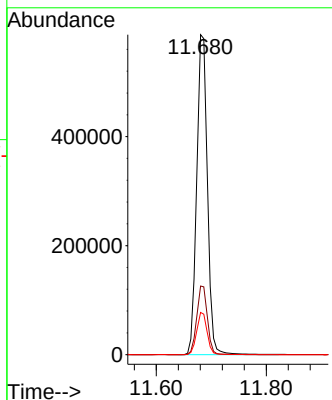


#73
Carbazole
Concen: 39.926 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

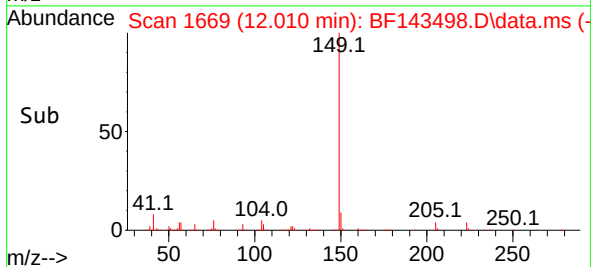
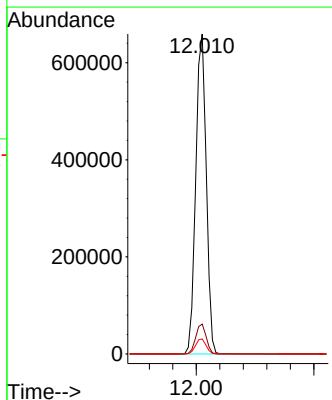
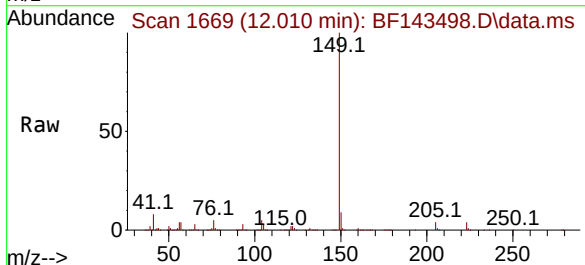


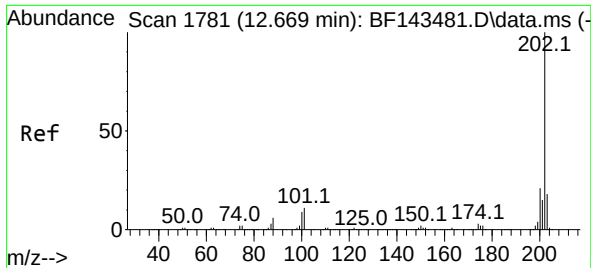
Tgt Ion:167 Resp: 795296
Ion Ratio Lower Upper
167 100
166 21.5 17.3 25.9
139 13.2 10.0 15.0



#74
Di-n-butylphthalate
Concen: 43.920 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:149 Resp: 816139
Ion Ratio Lower Upper
149 100
150 9.3 7.2 10.8
104 4.7 3.6 5.4

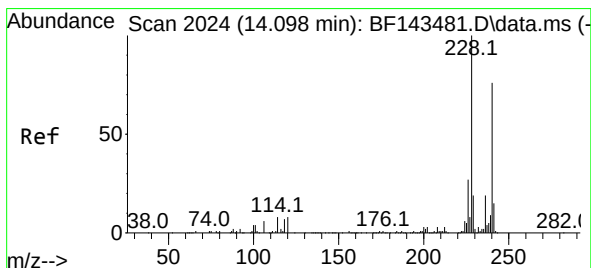
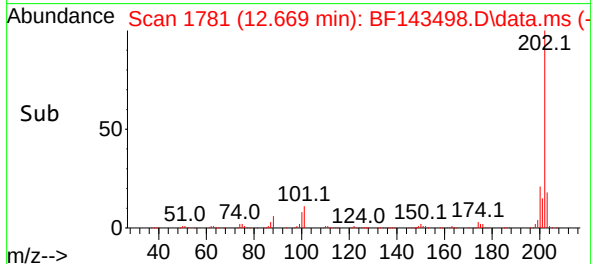
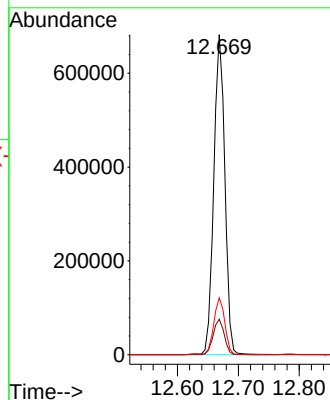
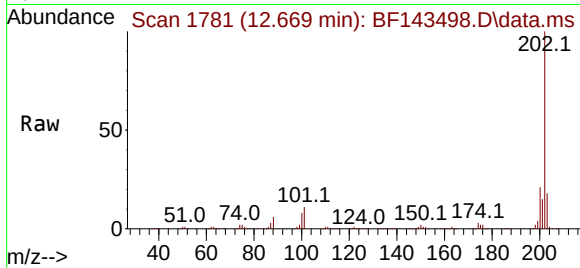




#75
Fluoranthene
Concen: 40.050 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

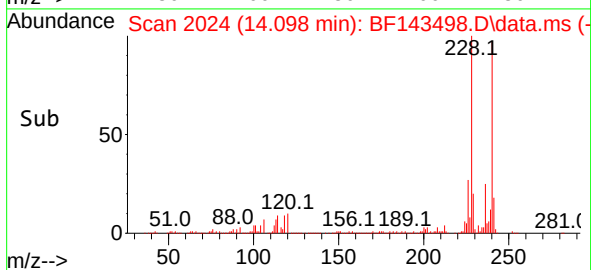
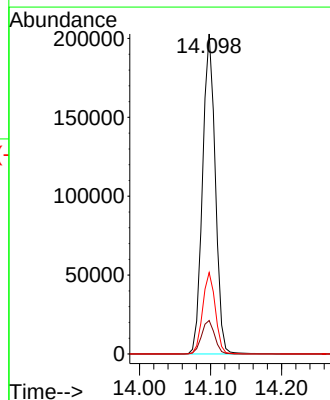
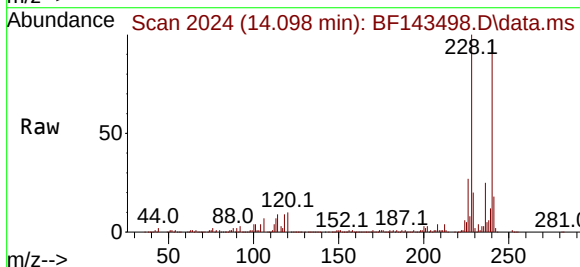
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

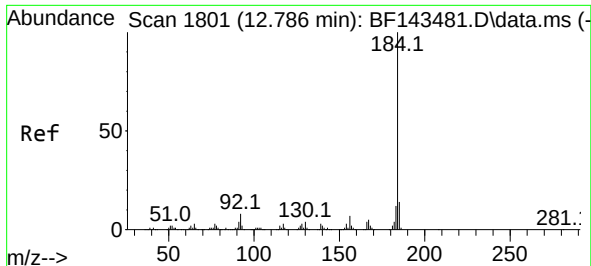
Tgt Ion:	202	Resp:	862364
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	31.3
203	17.7	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:	240	Resp:	253253
Ion Ratio	Lower	Upper	
240	100		
120	10.4	8.6	12.8
236	25.4	20.4	30.6

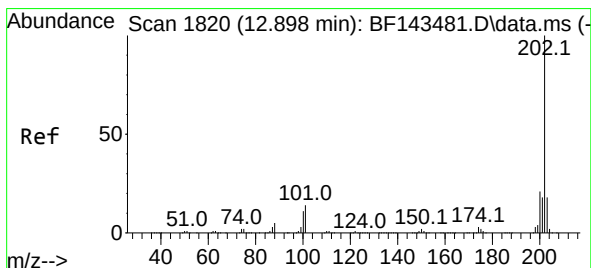
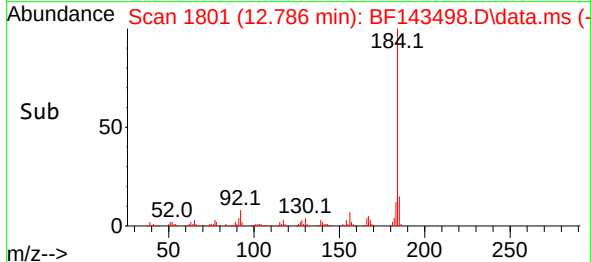
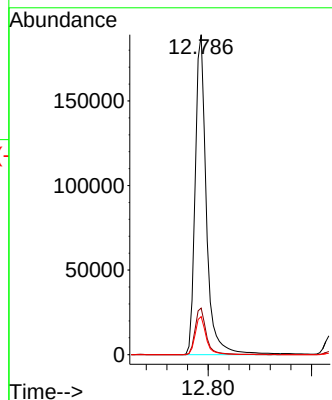
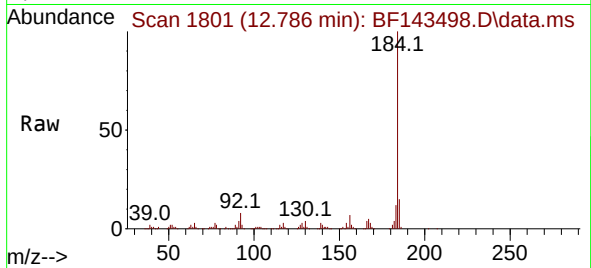




#77
Benzidine
Concen: 46.044 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

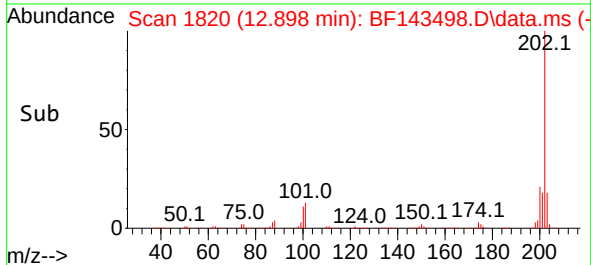
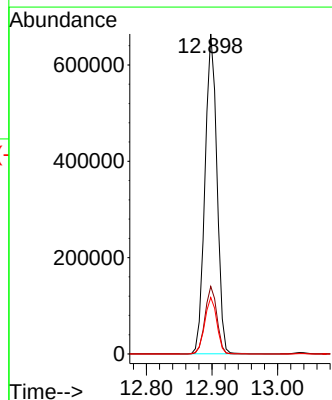
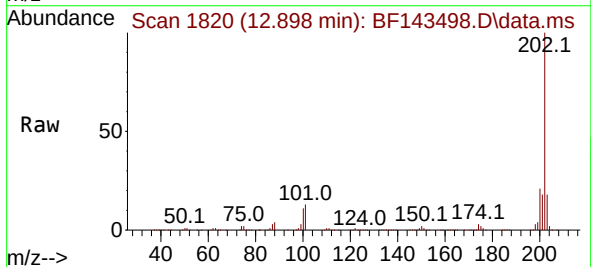
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

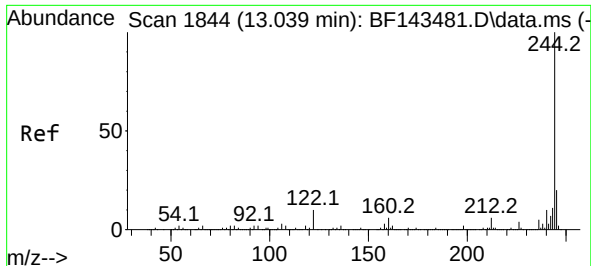
Tgt Ion:184 Resp: 284041
Ion Ratio Lower Upper
184 100
185 14.6 11.3 16.9
183 11.9 9.5 14.3



#78
Pyrene
Concen: 40.485 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:202 Resp: 843384
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 80.326 ng

RT: 13.033 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

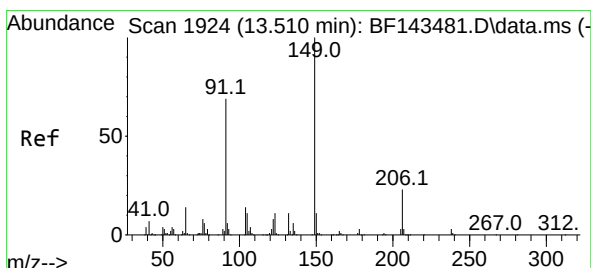
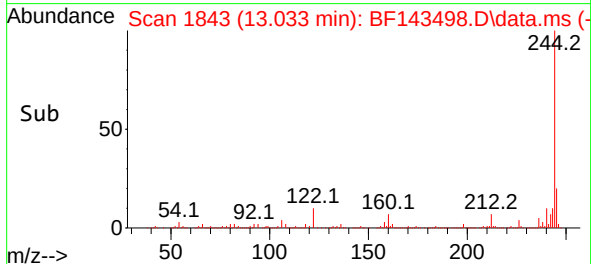
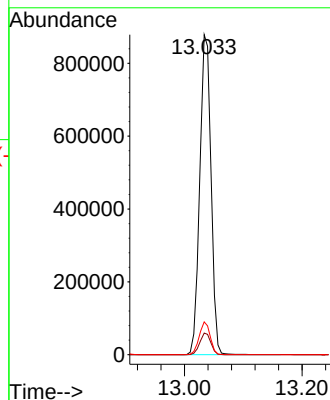
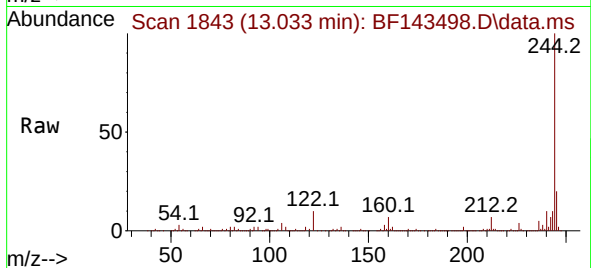
Tgt Ion:244 Resp: 1165752

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.3 7.9 11.9



#80

Butylbenzylphthalate

Concen: 42.677 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

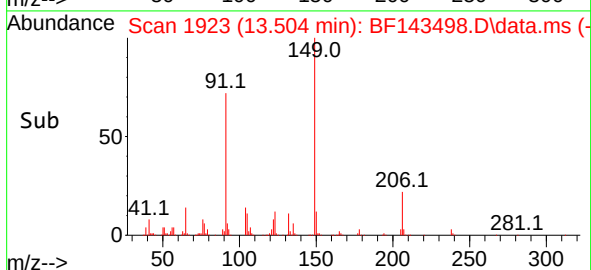
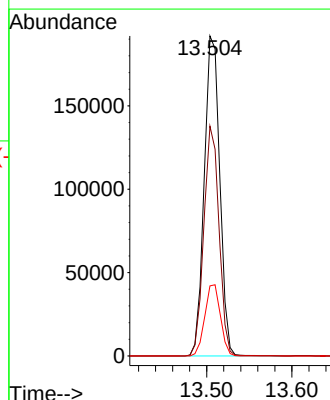
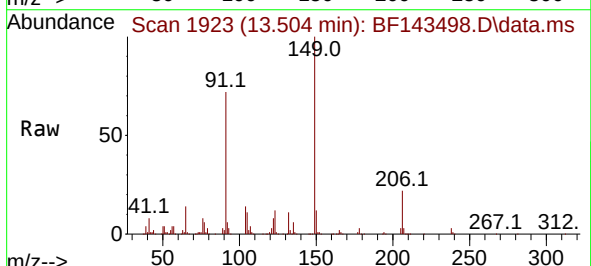
Tgt Ion:149 Resp: 242873

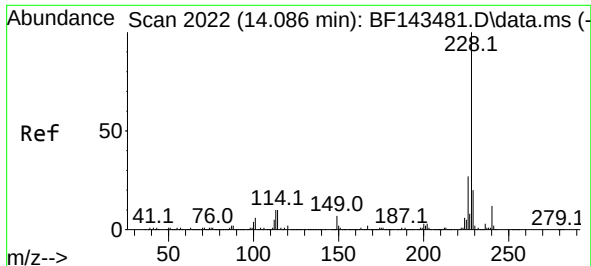
Ion Ratio Lower Upper

149 100

91 71.8 55.3 82.9

206 21.9 18.2 27.4

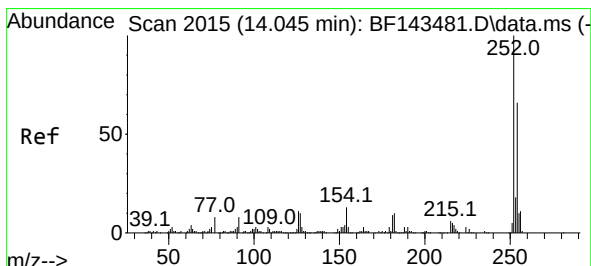
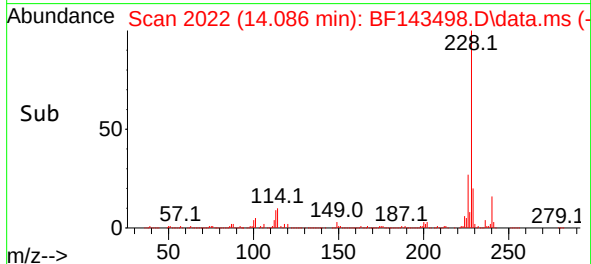
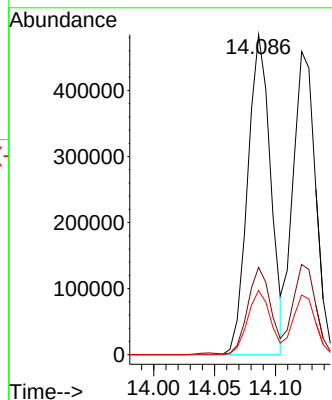
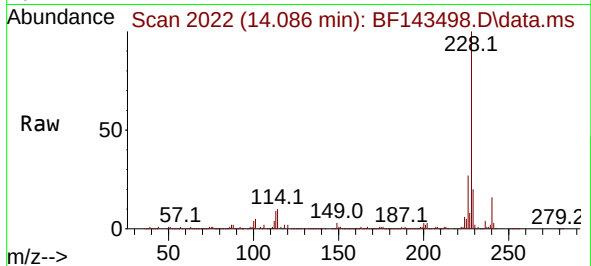




#81
Benzo(a)anthracene
Concen: 38.965 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

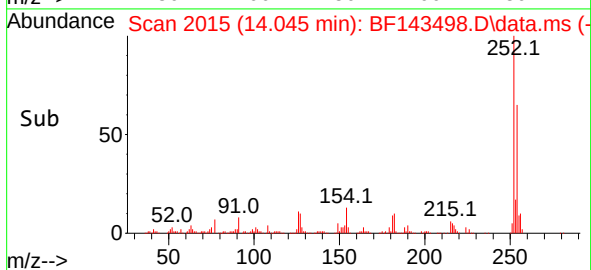
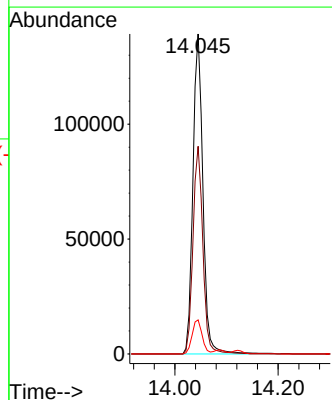
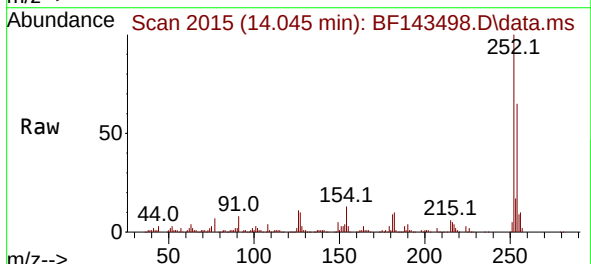
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

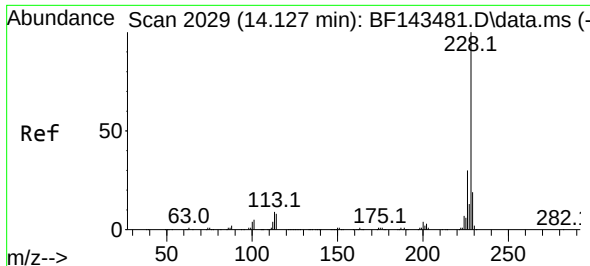
Tgt Ion:228 Resp: 635317
Ion Ratio Lower Upper
228 100
226 27.3 21.7 32.5
229 20.1 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 40.076 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:252 Resp: 187129
Ion Ratio Lower Upper
252 100
254 64.9 52.6 79.0
126 10.7 8.7 13.1

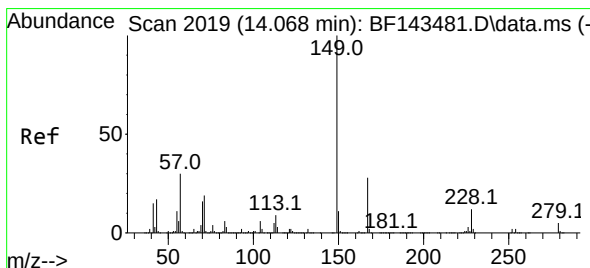
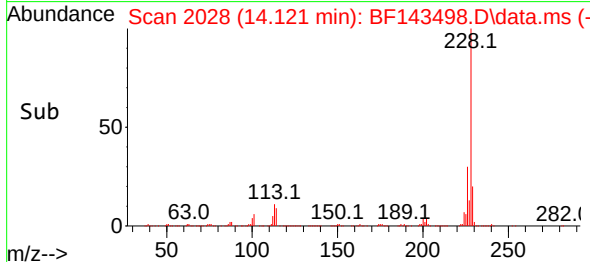
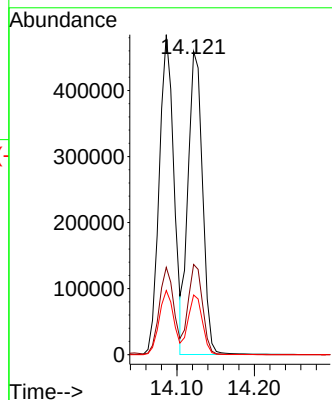
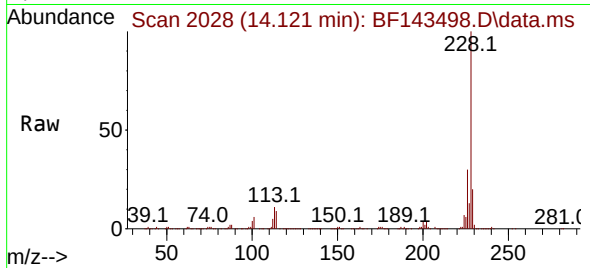




#83
Chrysene
Concen: 40.656 ng
RT: 14.121 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

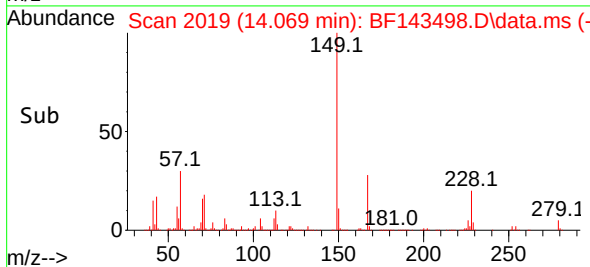
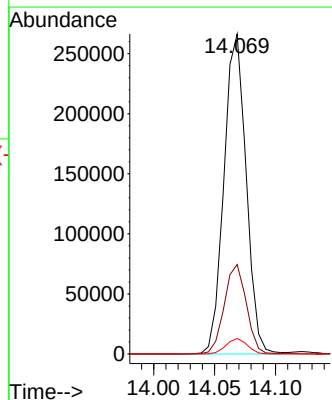
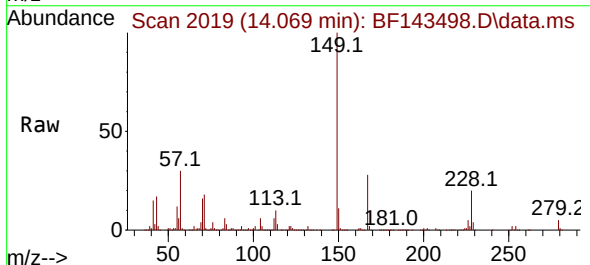
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

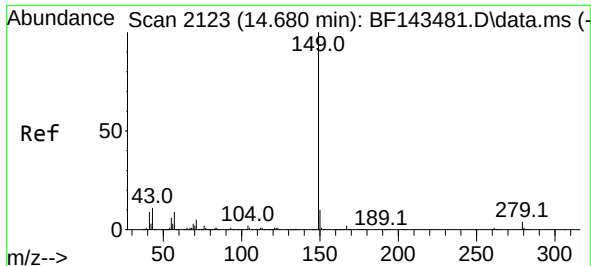
Tgt Ion:228 Resp: 595706
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 19.7 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 38.980 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:149 Resp: 337867
Ion Ratio Lower Upper
149 100
167 28.0 22.2 33.2
279 4.8 3.6 5.4

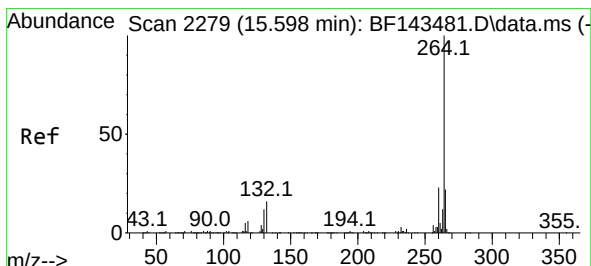
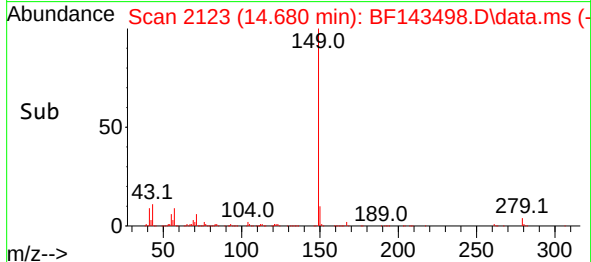
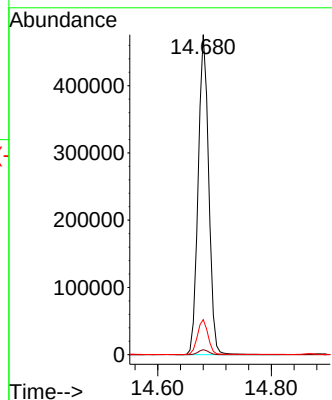
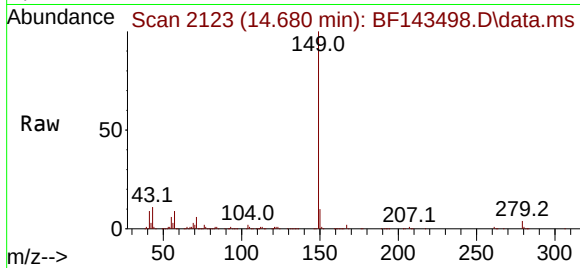




#85
Di-n-octyl phthalate
Concen: 38.327 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

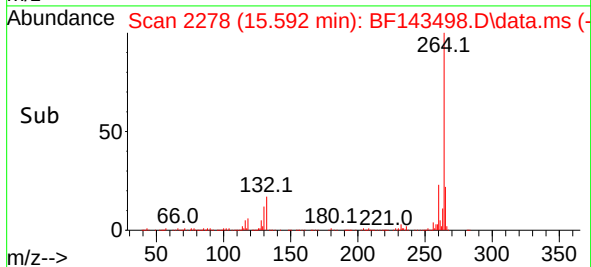
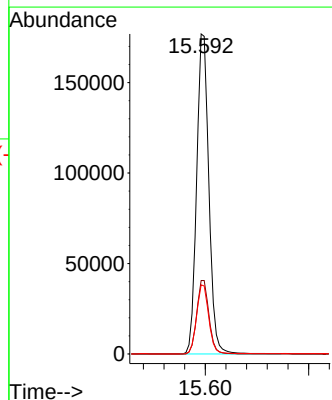
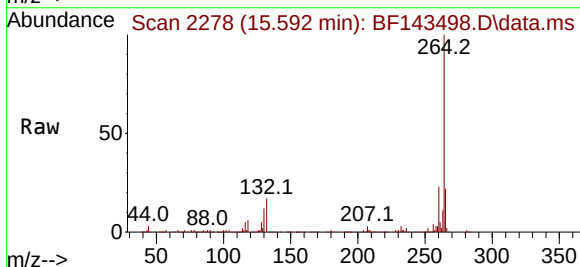
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

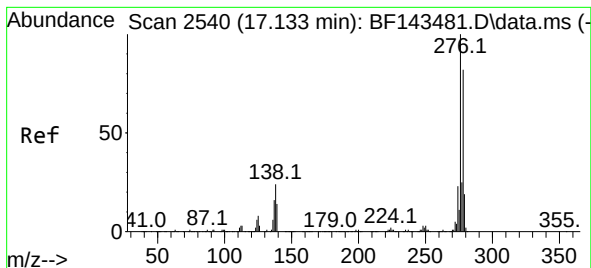
Tgt Ion:149 Resp: 615416
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.0 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:264 Resp: 290056
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 21.6 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.308 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

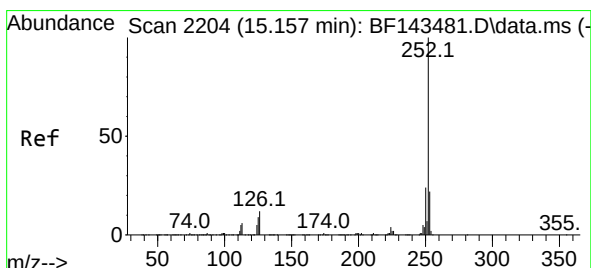
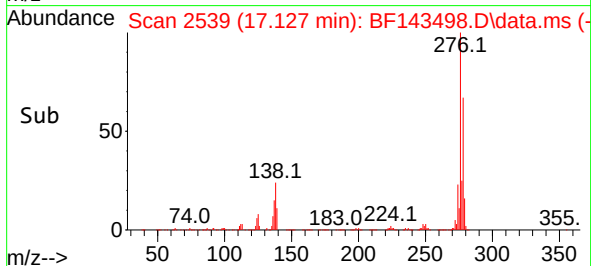
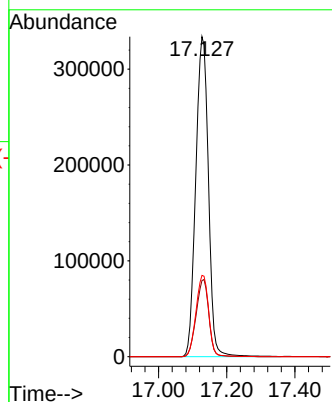
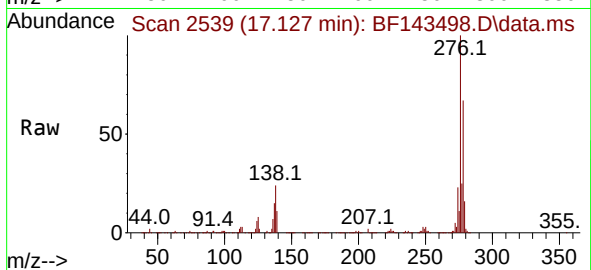
Tgt Ion:276 Resp: 861001

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.847 ng

RT: 15.157 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

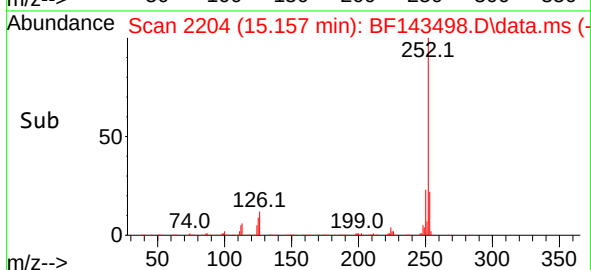
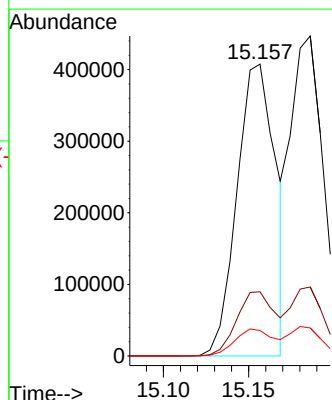
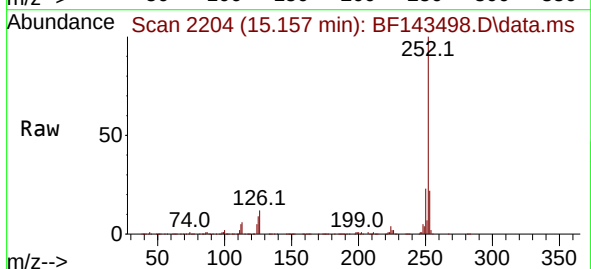
Tgt Ion:252 Resp: 642454

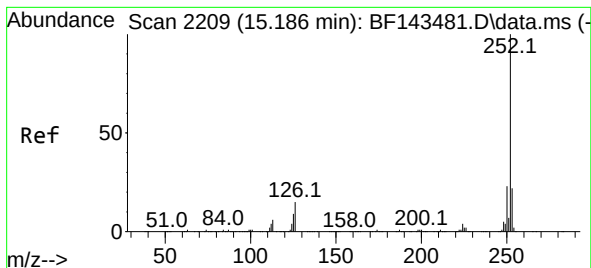
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 8.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 39.415 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

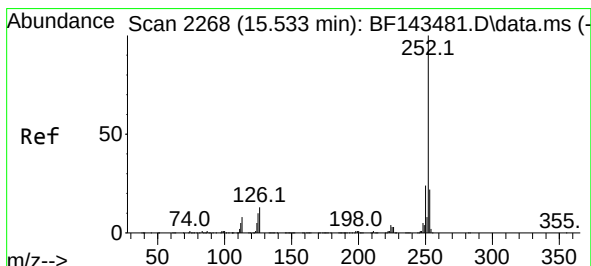
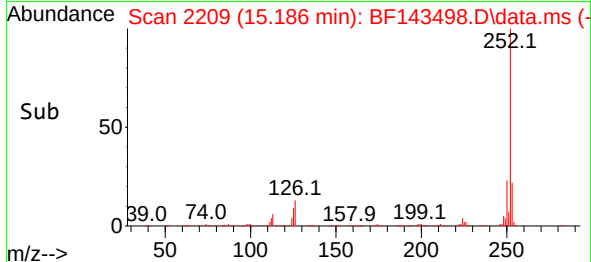
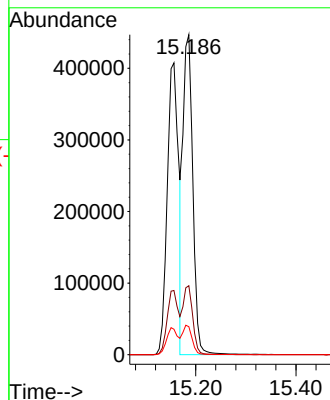
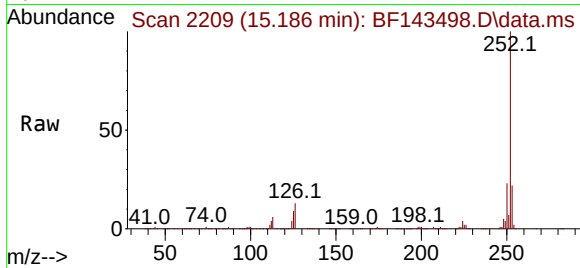
Tgt Ion:252 Resp: 608451

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 8.7 7.4 11.0



#90

Benzo(a)pyrene

Concen: 40.037 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

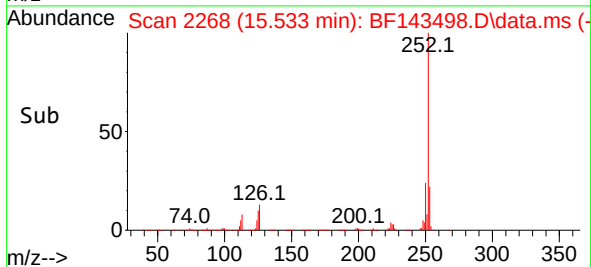
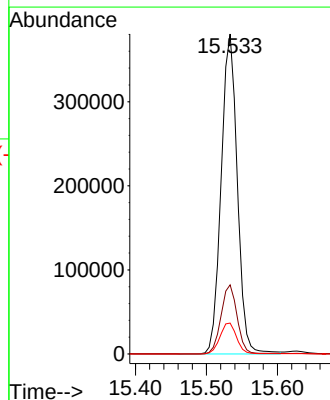
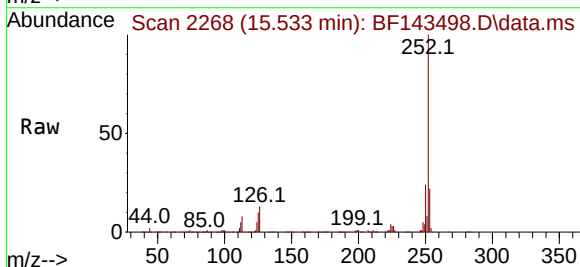
Tgt Ion:252 Resp: 599182

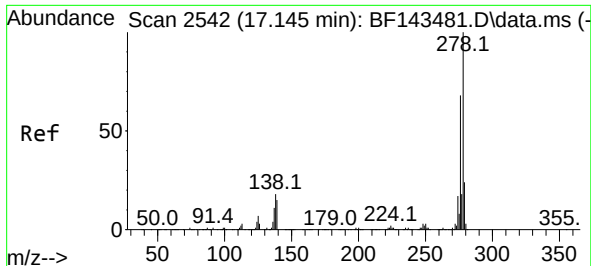
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 9.7 8.2 12.2

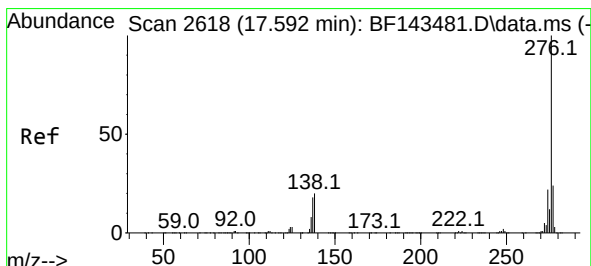
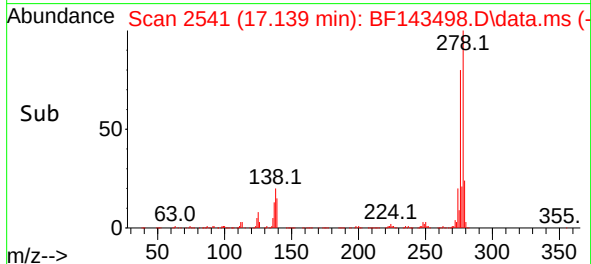
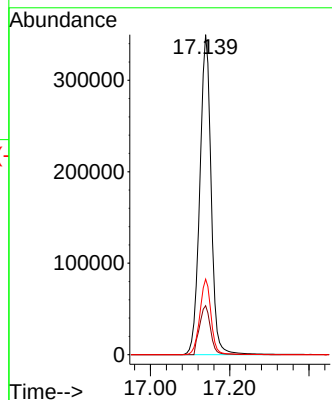
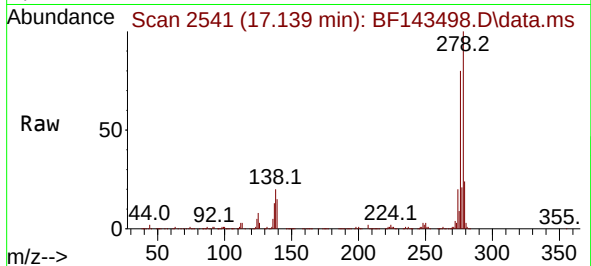




#91
Dibenzo(a,h)anthracene
Concen: 41.497 ng
RT: 17.139 min Scan# 2541
Delta R.T. -0.018 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

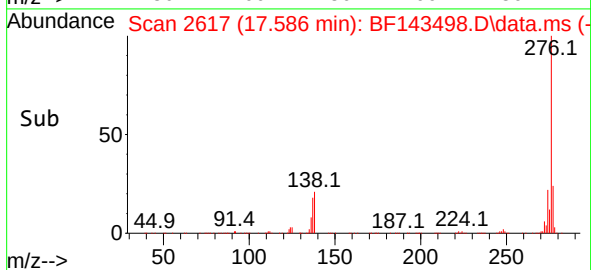
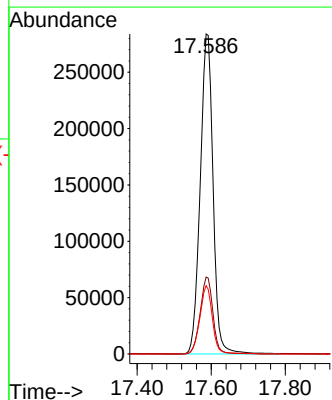
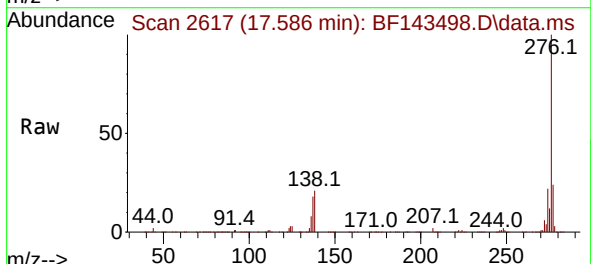
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 692716
Ion Ratio Lower Upper
278 100
139 15.3 12.1 18.1
279 23.6 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 41.185 ng
RT: 17.586 min Scan# 2617
Delta R.T. -0.018 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:276 Resp: 683631
Ion Ratio Lower Upper
276 100
277 24.0 18.9 28.3
138 21.3 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	1,4-Dioxane	0.531	0.507	4.5	95	0.00
3	Pyridine	1.413	1.355	4.1	95	0.00
4	n-Nitrosodimethylamine	0.635	0.643	-1.3	101	-0.01
5 S	2-Fluorophenol	1.145	1.150	-0.4	102	0.00
6	Aniline	1.890	1.885	0.3	100	0.00
7 S	Phenol-d6	1.414	1.395	1.3	100	-0.01
8	2-Chlorophenol	1.265	1.270	-0.4	101	0.00
9	Benzaldehyde	1.145	1.081	5.6	91	0.00
10 C	Phenol	1.629	1.649	-1.2	101	0.00
11	bis(2-Chloroethyl)ether	1.217	1.211	0.5	100	0.00
12	1,3-Dichlorobenzene	1.421	1.397	1.7	99	0.00
13 C	1,4-Dichlorobenzene	1.426	1.416	0.7	101	0.00
14	1,2-Dichlorobenzene	1.350	1.328	1.6	99	0.00
15	Benzyl Alcohol	1.059	1.065	-0.6	99	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.949	-0.1	100	0.00
17	2-Methylphenol	1.015	1.021	-0.6	102	0.00
18	Hexachloroethane	0.485	0.481	0.8	99	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.852	1.4	102	-0.01
20	3+4-Methylphenols	1.212	1.222	-0.8	101	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
22	Acetophenone	0.432	0.424	1.9	102	0.00
23 S	Nitrobenzene-d5	0.343	0.349	-1.7	102	-0.01
24	Nitrobenzene	0.353	0.362	-2.5	102	0.00
25	Isophorone	0.628	0.635	-1.1	102	-0.01
26 C	2-Nitrophenol	0.173	0.181	-4.6	102	0.00
27	2,4-Dimethylphenol	0.269	0.270	-0.4	100	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.385	0.3	100	0.00
29 C	2,4-Dichlorophenol	0.288	0.290	-0.7	101	0.00
30	1,2,4-Trichlorobenzene	0.296	0.288	2.7	99	0.00
31	Naphthalene	0.960	0.933	2.8	99	0.00
32	Benzoic acid	0.137	0.137	0.0	94	-0.03
33	4-Chloroaniline	0.341	0.343	-0.6	100	0.00
34 C	Hexachlorobutadiene	0.193	0.192	0.5	100	0.00
35	Caprolactam	0.069	0.078	-13.0	110	-0.02
36 C	4-Chloro-3-methylphenol	0.288	0.293	-1.7	102	0.00
37	2-Methylnaphthalene	0.641	0.630	1.7	100	0.00
38	1-Methylnaphthalene	0.613	0.605	1.3	100	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.553	3.3	99	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.163	11.4	84	0.00
42 S	2,4,6-Tribromophenol	0.186	0.184	1.1	100	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.356	-1.1	99	0.00
44	2,4,5-Trichlorophenol	0.385	0.377	2.1	100	0.00
45 S	2-Fluorobiphenyl	1.210	1.135	6.2	100	0.00
46	1,1'-Biphenyl	1.420	1.373	3.3	100	0.00
47	2-Chloronaphthalene	1.114	1.101	1.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143498.D
 Acq On : 20 Aug 2025 22:05
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.341	-4.6	103	0.00
49	Acenaphthylene	1.595	1.574	1.3	101	0.00
50	Dimethylphthalate	1.205	1.228	-1.9	104	0.00
51	2,6-Dinitrotoluene	0.250	0.262	-4.8	102	0.00
52 C	Acenaphthene	1.083	1.061	2.0	100	0.00
53	3-Nitroaniline	0.270	0.286	-5.9	104	0.00
54 P	2,4-Dinitrophenol	0.115	0.099	13.9	84	0.00
55	Dibenzofuran	1.544	1.518	1.7	101	0.00
56 P	4-Nitrophenol	0.161	0.174	-8.1	103	0.00
57	2,4-Dinitrotoluene	0.333	0.354	-6.3	102	0.00
58	Fluorene	1.188	1.156	2.7	101	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.296	-3.5	101	0.00
60	Diethylphthalate	1.080	1.104	-2.2	103	0.00
61	4-Chlorophenyl-phenylether	0.594	0.578	2.7	100	0.00
62	4-Nitroaniline	0.248	0.268	-8.1	106	-0.01
63	Azobenzene	1.120	1.139	-1.7	103	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.110	2.7	96	0.00
66 c	n-Nitrosodiphenylamine	0.644	0.627	2.6	101	0.00
67	4-Bromophenyl-phenylether	0.239	0.237	0.8	101	0.00
68	Hexachlorobenzene	0.257	0.247	3.9	99	0.00
69	Atrazine	0.166	0.185	-11.4	113	0.00
70 C	Pentachlorophenol	0.118	0.119	-0.8	99	0.00
71	Phenanthrene	1.071	1.039	3.0	103	0.00
72	Anthracene	1.085	1.059	2.4	101	0.00
73	Carbazole	0.889	0.887	0.2	103	0.00
74	Di-n-butylphthalate	0.829	0.911	-9.9	110	0.00
75 C	Fluoranthene	0.961	0.962	-0.1	105	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	101	0.00
77	Benzydine	0.487	0.561	-15.2	110	0.00
78	Pyrene	1.645	1.665	-1.2	103	0.00
79 S	Terphenyl-d14	1.146	1.151	-0.4	103	0.00
80	Butylbenzylphthalate	0.449	0.480	-6.9	104	0.00
81	Benzo(a)anthracene	1.288	1.254	2.6	96	0.00
82	3,3'-Dichlorobenzidine	0.369	0.369	0.0	100	0.00
83	Chrysene	1.157	1.176	-1.6	107	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.667	2.6	95	0.00
85 c	Di-n-octyl phthalate	1.268	1.215	4.2	95	0.00
86 I	Perylene-d12	1.000	1.000	0.0	101	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.484	-3.3	103	-0.01
88	Benzo(b)fluoranthene	1.112	1.107	0.4	104	0.00
89	Benzo(k)fluoranthene	1.064	1.049	1.4	98	0.00
90 C	Benzo(a)pyrene	1.032	1.033	-0.1	101	0.00
91	Dibenzo(a,h)anthracene	1.151	1.194	-3.7	103	-0.02
92	Benzo(g,h,i)perylene	1.145	1.178	-2.9	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2	1,4-Dioxane	40.000	38.239	4.4	95	0.00
3	Pyridine	40.000	38.366	4.1	95	0.00
4	n-Nitrosodimethylamine	40.000	40.483	-1.2	101	-0.01
5 S	2-Fluorophenol	80.000	80.348	-0.4	102	0.00
6	Aniline	40.000	39.899	0.3	100	0.00
7 S	Phenol-d6	80.000	78.917	1.4	100	-0.01
8	2-Chlorophenol	40.000	40.164	-0.4	101	0.00
9	Benzaldehyde	40.000	37.769	5.6	91	0.00
10 C	Phenol	40.000	40.504	-1.3	101	0.00
11	bis(2-Chloroethyl)ether	40.000	39.795	0.5	100	0.00
12	1,3-Dichlorobenzene	40.000	39.304	1.7	99	0.00
13 C	1,4-Dichlorobenzene	40.000	39.733	0.7	101	0.00
14	1,2-Dichlorobenzene	40.000	39.364	1.6	99	0.00
15	Benzyl Alcohol	40.000	40.257	-0.6	99	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.025	-0.1	100	0.00
17	2-Methylphenol	40.000	40.241	-0.6	102	0.00
18	Hexachloroethane	40.000	39.700	0.7	99	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.455	1.4	102	-0.01
20	3+4-Methylphenols	40.000	40.322	-0.8	101	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	100	0.00
22	Acetophenone	40.000	39.285	1.8	102	0.00
23 S	Nitrobenzene-d5	80.000	81.469	-1.8	102	-0.01
24	Nitrobenzene	40.000	40.995	-2.5	102	0.00
25	Isophorone	40.000	40.435	-1.1	102	-0.01
26 C	2-Nitrophenol	40.000	41.873	-4.7	102	0.00
27	2,4-Dimethylphenol	40.000	40.152	-0.4	100	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.898	0.3	100	0.00
29 C	2,4-Dichlorophenol	40.000	40.336	-0.8	101	0.00
30	1,2,4-Trichlorobenzene	40.000	38.930	2.7	99	0.00
31	Naphthalene	40.000	38.863	2.8	99	0.00
32	Benzoic acid	40.000	37.123	7.2	94	-0.03
33	4-Chloroaniline	40.000	40.252	-0.6	100	0.00
34 C	Hexachlorobutadiene	40.000	39.776	0.6	100	0.00
35	Caprolactam	40.000	44.931	-12.3	110	-0.02
36 C	4-Chloro-3-methylphenol	40.000	40.718	-1.8	102	0.00
37	2-Methylnaphthalene	40.000	39.283	1.8	100	0.00
38	1-Methylnaphthalene	40.000	39.442	1.4	100	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.686	3.3	99	0.00
41 P	Hexachlorocyclopentadiene	40.000	33.457	16.4	84	0.00
42 S	2,4,6-Tribromophenol	80.000	79.261	0.9	100	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.426	-1.1	99	0.00
44	2,4,5-Trichlorophenol	40.000	39.194	2.0	100	0.00
45 S	2-Fluorobiphenyl	80.000	75.061	6.2	100	0.00
46	1,1'-Biphenyl	40.000	38.693	3.3	100	0.00
47	2-Chloronaphthalene	40.000	39.533	1.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
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Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.804	-4.5	103	0.00
49	Acenaphthylene	40.000	39.486	1.3	101	0.00
50	Dimethylphthalate	40.000	40.765	-1.9	104	0.00
51	2,6-Dinitrotoluene	40.000	41.967	-4.9	102	0.00
52 C	Acenaphthene	40.000	39.200	2.0	100	0.00
53	3-Nitroaniline	40.000	42.370	-5.9	104	0.00
54 P	2,4-Dinitrophenol	40.000	32.946	17.6	84	0.00
55	Dibenzofuran	40.000	39.338	1.7	101	0.00
56 P	4-Nitrophenol	40.000	43.335	-8.3	103	0.00
57	2,4-Dinitrotoluene	40.000	42.505	-6.3	102	0.00
58	Fluorene	40.000	38.909	2.7	101	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.458	-3.6	101	0.00
60	Diethylphthalate	40.000	40.873	-2.2	103	0.00
61	4-Chlorophenyl-phenylether	40.000	38.920	2.7	100	0.00
62	4-Nitroaniline	40.000	43.337	-8.3	106	-0.01
63	Azobenzene	40.000	40.670	-1.7	103	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.155	2.1	96	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.990	2.5	101	0.00
67	4-Bromophenyl-phenylether	40.000	39.734	0.7	101	0.00
68	Hexachlorobenzene	40.000	38.425	3.9	99	0.00
69	Atrazine	40.000	44.605	-11.5	113	0.00
70 C	Pentachlorophenol	40.000	40.559	-1.4	99	0.00
71	Phenanthrene	40.000	38.800	3.0	103	0.00
72	Anthracene	40.000	39.041	2.4	101	0.00
73	Carbazole	40.000	39.926	0.2	103	0.00
74	Di-n-butylphthalate	40.000	43.920	-9.8	110	0.00
75 C	Fluoranthene	40.000	40.050	-0.1	105	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	101	0.00
77	Benzydine	40.000	46.044	-15.1	110	0.00
78	Pyrene	40.000	40.485	-1.2	103	0.00
79 S	Terphenyl-d14	80.000	80.326	-0.4	103	0.00
80	Butylbenzylphthalate	40.000	42.677	-6.7	104	0.00
81	Benzo(a)anthracene	40.000	38.965	2.6	96	0.00
82	3,3'-Dichlorobenzidine	40.000	40.076	-0.2	100	0.00
83	Chrysene	40.000	40.656	-1.6	107	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.980	2.6	95	0.00
85 c	Di-n-octyl phthalate	40.000	38.327	4.2	95	0.00
86 I	Perylene-d12	20.000	20.000	0.0	101	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	41.308	-3.3	103	-0.01
88	Benzo(b)fluoranthene	40.000	39.847	0.4	104	0.00
89	Benzo(k)fluoranthene	40.000	39.415	1.5	98	0.00
90 C	Benzo(a)pyrene	40.000	40.037	-0.1	101	0.00
91	Dibenzo(a,h)anthracene	40.000	41.497	-3.7	103	-0.02
92	Benzo(g,h,i)perylene	40.000	41.185	-3.0	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
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Instrument :
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Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/21/2025 06:44</u>
Lab File ID:	<u>BF143516.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.126		-1.7	50.0
Benzaldehyde	1.145	1.296		13.2	50.0
Phenol-d6	1.414	1.374		-2.8	50.0
Phenol	1.629	1.615		-0.9	50.0
bis(2-Chloroethyl)ether	1.217	1.190		-2.2	50.0
2-Chlorophenol	1.265	1.233		-2.5	50.0
2-Methylphenol	1.015	1.006		-0.9	50.0
2,2-oxybis(1-Chloropropane)	1.947	1.881		-3.4	50.0
Acetophenone	0.432	0.422		-2.3	50.0
3+4-Methylphenols	1.212	1.199		-1.1	50.0
n-Nitroso-di-n-propylamine	0.864	0.835	0.050	-3.4	50.0
Nitrobenzene-d5	0.343	0.343		0.0	50.0
Hexachloroethane	0.485	0.476		-1.9	50.0
Nitrobenzene	0.353	0.357		1.1	50.0
Isophorone	0.628	0.628		0.0	50.0
2-Nitrophenol	0.173	0.181		4.6	50.0
2,4-Dimethylphenol	0.269	0.264		-1.9	50.0
bis(2-Chloroethoxy)methane	0.386	0.386		0.0	50.0
2,4-Dichlorophenol	0.288	0.287		-0.3	50.0
Naphthalene	0.960	0.938		-2.3	50.0
4-Chloroaniline	0.341	0.332		-2.6	50.0
Hexachlorobutadiene	0.193	0.193		0.0	50.0
Caprolactam	0.069	0.076		10.1	50.0
4-Chloro-3-methylphenol	0.288	0.291		1.0	50.0
2-Methylnaphthalene	0.641	0.622		-3.0	50.0
Hexachlorocyclopentadiene	0.184	0.166	0.050	-9.8	50.0
2,4,6-Trichlorophenol	0.352	0.350		-0.6	50.0
2-Fluorobiphenyl	1.210	1.163		-3.9	50.0
2,4,5-Trichlorophenol	0.385	0.386		0.3	50.0
1,1-Biphenyl	1.420	1.380		-2.8	50.0
2-Chloronaphthalene	1.114	1.088		-2.3	50.0
2-Nitroaniline	0.326	0.331		1.5	50.0
Dimethylphthalate	1.205	1.222		1.4	50.0
Acenaphthylene	1.595	1.557		-2.4	50.0
2,6-Dinitrotoluene	0.250	0.257		2.8	50.0
3-Nitroaniline	0.270	0.268		-0.7	50.0
Acenaphthene	1.083	1.029		-5.0	50.0
2,4-Dinitrophenol	0.115	0.082	0.050	-28.7	50.0
4-Nitrophenol	0.161	0.153	0.050	-5.0	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/21/2025 06:44</u>
Lab File ID:	<u>BF143516.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.502		-2.7	50.0
2,4-Dinitrotoluene	0.333	0.341		2.4	50.0
Diethylphthalate	1.080	1.117		3.4	50.0
4-Chlorophenyl-phenylether	0.594	0.579		-2.5	50.0
Fluorene	1.188	1.137		-4.3	50.0
4-Nitroaniline	0.248	0.245		-1.2	50.0
4,6-Dinitro-2-methylphenol	0.113	0.105		-7.1	50.0
n-Nitrosodiphenylamine	0.644	0.645		0.2	50.0
2,4,6-Tribromophenol	0.186	0.181		-2.7	50.0
4-Bromophenyl-phenylether	0.239	0.246		2.9	50.0
Hexachlorobenzene	0.257	0.258		0.4	50.0
Atrazine	0.166	0.189		13.9	50.0
Pentachlorophenol	0.118	0.112		-5.1	50.0
Phenanthrene	1.071	1.050		-2.0	50.0
Anthracene	1.085	1.062		-2.1	50.0
Carbazole	0.889	0.860		-3.3	50.0
Di-n-butylphthalate	0.829	0.927		11.8	50.0
Fluoranthene	0.961	0.897		-6.7	50.0
Pyrene	1.645	1.474		-10.4	50.0
Terphenyl-d14	1.146	1.057		-7.8	50.0
Butylbenzylphthalate	0.449	0.491		9.4	50.0
3,3-Dichlorobenzidine	0.369	0.392		6.2	50.0
Benzo (a) anthracene	1.288	1.249		-3.0	50.0
Chrysene	1.157	1.160		0.3	50.0
Bis (2-ethylhexyl) phthalate	0.685	0.720		5.1	50.0
Di-n-octyl phthalate	1.268	1.332		5.0	50.0
Benzo (b) fluoranthene	1.112	1.135		2.1	50.0
Benzo (k) fluoranthene	1.064	1.008		-5.3	50.0
Benzo (a) pyrene	1.032	1.036		0.4	50.0
Indeno (1,2,3-cd) pyrene	1.437	1.402		-2.4	50.0
Dibenzo (a,h) anthracene	1.151	1.134		-1.5	50.0
Benzo (g,h,i) perylene	1.145	1.086		-5.2	50.0
1,2,4,5-Tetrachlorobenzene	0.572	0.565		-1.2	50.0
1,4-Dioxane	0.531	0.534		0.6	50.0
2,3,4,6-Tetrachlorophenol	0.286	0.286		0.0	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143516.D
 Acq On : 21 Aug 2025 06:44
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 21 07:07:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137454	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	510568	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	274867	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	405205	20.000	ng	0.00
76) Chrysene-d12	14.098	240	245385	20.000	ng	0.00
86) Perylene-d12	15.592	264	295910	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	619031	78.639	ng	0.00
7) Phenol-d6	6.563	99	755494	77.747	ng	-0.01
23) Nitrobenzene-d5	7.487	82	701155	80.138	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	199460	77.956	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1278754	76.887	ng	0.00
79) Terphenyl-d14	13.033	244	1037790	73.802	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.734	88	146835	40.266	ng	99
3) Pyridine	3.516	79	391326	40.291	ng	99
4) n-Nitrosodimethylamine	3.457	42	174889	40.055	ng	99
6) Aniline	6.593	93	504423	38.836	ng	99
8) 2-Chlorophenol	6.716	128	339008	38.991	ng	99
9) Benzaldehyde	6.481	77	356360	45.296	ng	99
10) Phenol	6.581	94	443936	39.657	ng	97
11) bis(2-Chloroethyl)ether	6.657	93	327175	39.111	ng	100
12) 1,3-Dichlorobenzene	6.869	146	382483	39.153	ng	99
13) 1,4-Dichlorobenzene	6.945	146	380754	38.855	ng	99
14) 1,2-Dichlorobenzene	7.098	146	361970	39.014	ng	100
15) Benzyl Alcohol	7.069	79	291861	40.117	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	517064	38.635	ng	99
17) 2-Methylphenol	7.181	107	276576	39.635	ng	96
18) Hexachloroethane	7.440	117	130737	39.240	ng	96
19) n-Nitroso-di-n-propyla...	7.340	70	229547	38.648	ng	100
20) 3+4-Methylphenols	7.334	107	329524	39.557	ng	99
22) Acetophenone	7.334	105	431226	39.094	ng	100
24) Nitrobenzene	7.510	77	364218	40.446	ng	98
25) Isophorone	7.745	82	641626	40.006	ng	99
26) 2-Nitrophenol	7.822	139	185319	42.012	ng	96
27) 2,4-Dimethylphenol	7.863	122	269222	39.152	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	393788	39.952	ng	100
29) 2,4-Dichlorophenol	8.069	162	293101	39.911	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	300378	39.782	ng	99
31) Naphthalene	8.234	128	958228	39.092	ng	100
32) Benzoic acid	7.981	122	141499	37.591	ng	98
33) 4-Chloroaniline	8.275	127	339182	38.986	ng	98
34) Hexachlorobutadiene	8.351	225	196894	39.969	ng	100
35) Caprolactam	8.651	113	77185	43.799	ng	98
36) 4-Chloro-3-methylphenol	8.763	107	297282	40.394	ng	98
37) 2-Methylnaphthalene	8.922	142	635344	38.808	ng	100
38) 1-Methylnaphthalene	9.022	142	605817	38.685	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	310596	39.505	ng	99
41) Hexachlorocyclopentadiene	9.081	237	91199	33.894	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	192667	39.825	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143516.D
 Acq On : 21 Aug 2025 06:44
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

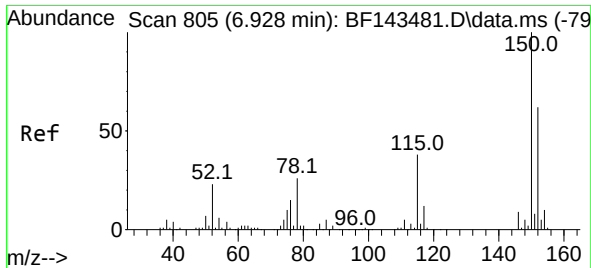
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	212240	40.163	ng	98
46) 1,1'-Biphenyl	9.386	154	758507	38.879	ng	99
47) 2-Chloronaphthalene	9.410	162	597936	39.061	ng	98
48) 2-Nitroaniline	9.504	65	182065	40.640	ng	98
49) Acenaphthylene	9.828	152	856096	39.059	ng	100
50) Dimethylphthalate	9.675	163	671826	40.583	ng	100
51) 2,6-Dinitrotoluene	9.745	165	141216	41.159	ng	99
52) Acenaphthene	9.998	154	565670	38.011	ng	99
53) 3-Nitroaniline	9.916	138	147101	39.678	ng	99
54) 2,4-Dinitrophenol	10.022	184	44950	28.170	ng	89
55) Dibenzofuran	10.169	168	825740	38.919	ng	98
56) 4-Nitrophenol	10.081	139	84274	38.203	ng	94
57) 2,4-Dinitrotoluene	10.151	165	187283	40.880	ng	99
58) Fluorene	10.516	166	625227	38.288	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	157108	40.017	ng	100
60) Diethylphthalate	10.381	149	613793	41.355	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	318396	38.987	ng	99
62) 4-Nitroaniline	10.528	138	134532	39.506	ng	97
63) Azobenzene	10.663	77	602578	39.155	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	85050	37.226	ng	98
66) n-Nitrosodiphenylamine	10.622	169	522417	40.062	ng	98
67) 4-Bromophenyl-phenylether	10.992	248	198971	41.154	ng	97
68) Hexachlorobenzene	11.069	284	209043	40.112	ng	100
69) Atrazine	11.145	200	153390	45.568	ng	99
70) Pentachlorophenol	11.263	266	90936	38.100	ng	100
71) Phenanthrene	11.480	178	851106	39.223	ng	99
72) Anthracene	11.528	178	860520	39.146	ng	99
73) Carbazole	11.680	167	697205	38.707	ng	99
74) Di-n-butylphthalate	12.010	149	751456	44.721	ng	100
75) Fluoranthene	12.669	202	726991	37.338	ng	99
77) Benzidine	12.786	184	233194	39.014	ng	99
78) Pyrene	12.898	202	723572	35.848	ng	100
80) Butylbenzylphthalate	13.504	149	241048	43.715	ng	97
81) Benzo(a)anthracene	14.086	228	612793	38.789	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	192601	42.571	ng	99
83) Chrysene	14.121	228	569457	40.110	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	353573	42.100	ng	100
85) Di-n-octyl phthalate	14.680	149	653491	42.003	ng	100
87) Indeno(1,2,3-cd)pyrene	17.127	276	829688	39.018	ng	100
88) Benzo(b)fluoranthene	15.151	252	671954	40.852	ng	99
89) Benzo(k)fluoranthene	15.180	252	596771	37.893	ng	100
90) Benzo(a)pyrene	15.533	252	613387	40.175	ng	100
91) Dibenzo(a,h)anthracene	17.139	278	670989	39.400	ng	99
92) Benzo(g,h,i)perylene	17.586	276	642548	37.945	ng	99

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

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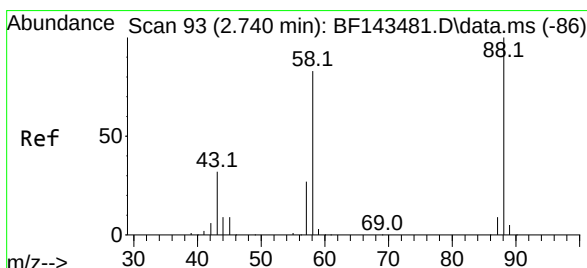
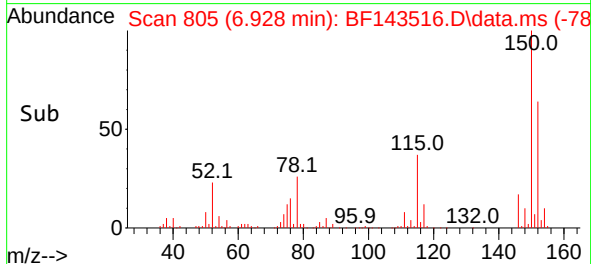
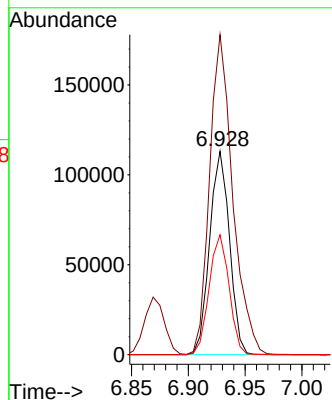
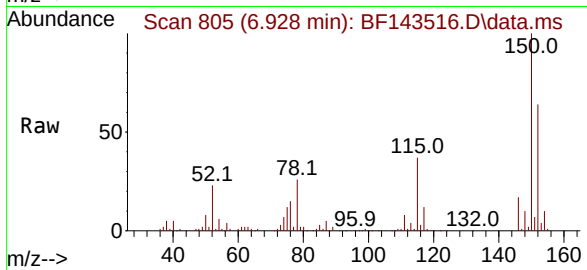
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

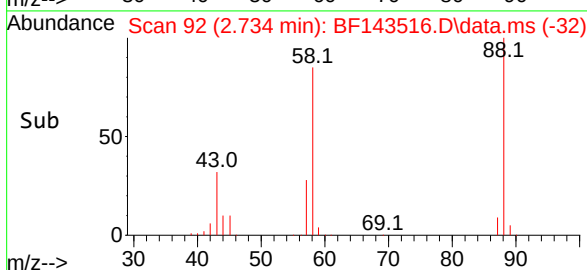
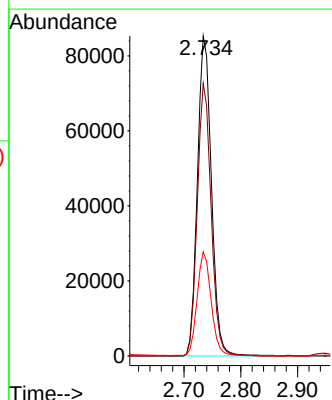
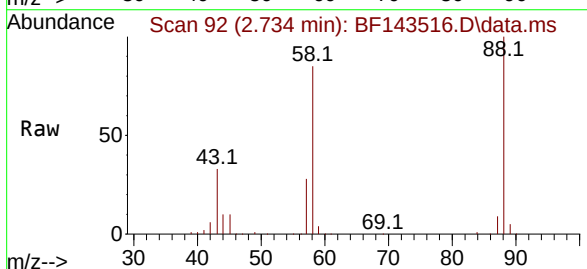
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

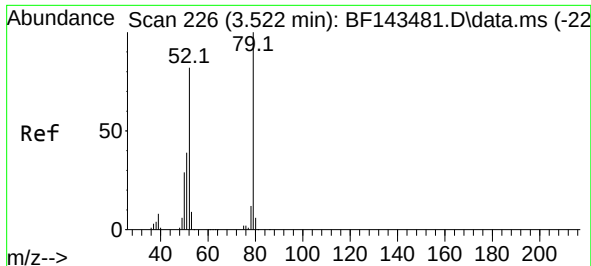
Tgt Ion:152 Resp: 137454
Ion Ratio Lower Upper
152 100
150 157.3 128.9 193.3
115 58.9 49.2 73.8



#2
1,4-Dioxane
Concen: 40.266 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 88 Resp: 146835
Ion Ratio Lower Upper
88 100
58 84.0 66.7 100.1
43 32.9 25.8 38.8





#3

Pyridine

Concen: 40.291 ng

RT: 3.516 min Scan# 215

Delta R.T. 0.000 min

Lab File: BF143516.D

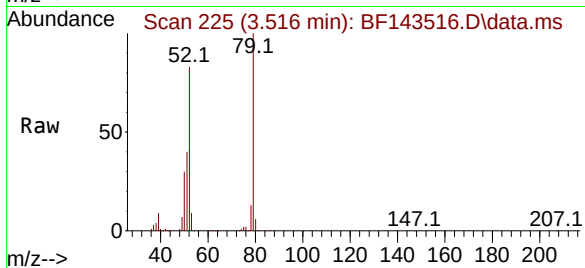
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BNA_F

ClientSampleId :

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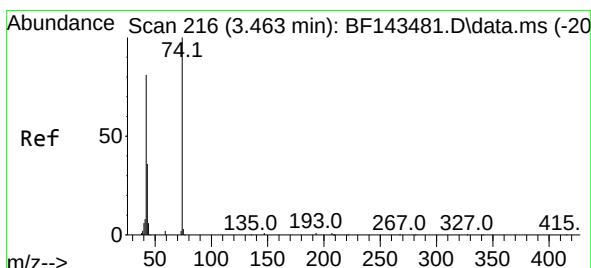
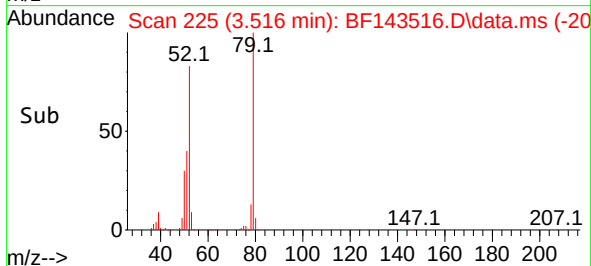
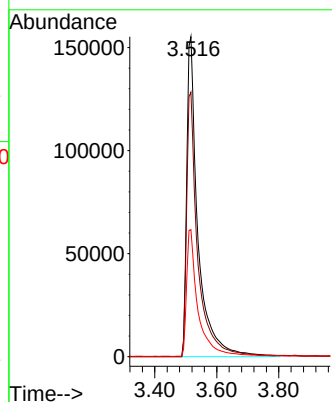
Tgt Ion: 79 Resp: 391326

Ion Ratio Lower Upper

79 100

52 82.7 65.6 98.4

51 39.7 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 40.055 ng

RT: 3.457 min Scan# 215

Delta R.T. -0.018 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

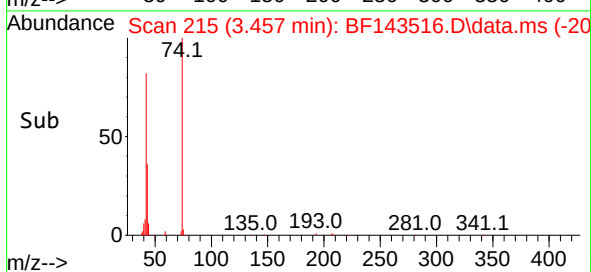
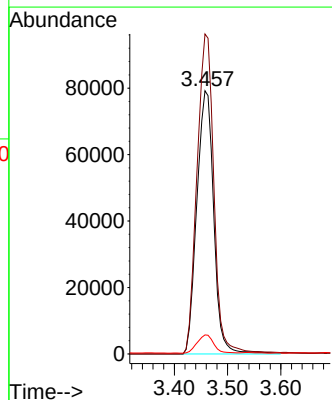
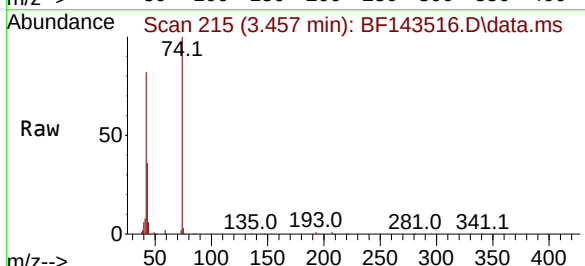
Tgt Ion: 42 Resp: 174889

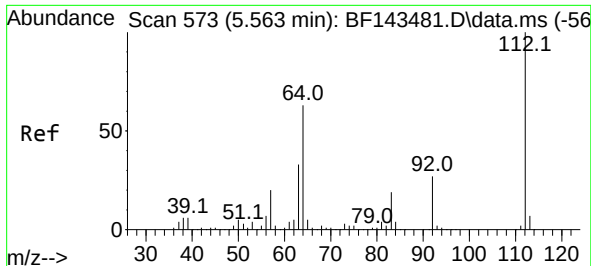
Ion Ratio Lower Upper

42 100

74 121.6 98.6 148.0

44 7.2 5.8 8.8

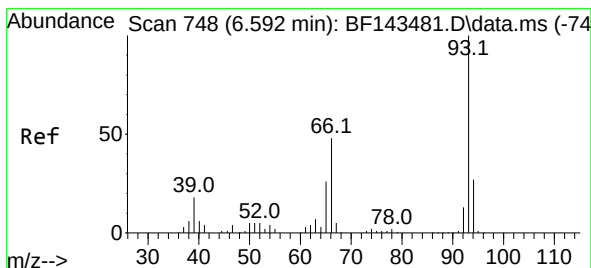
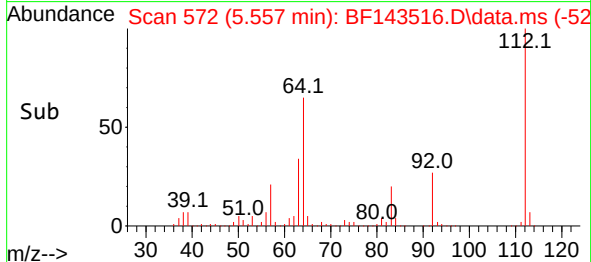
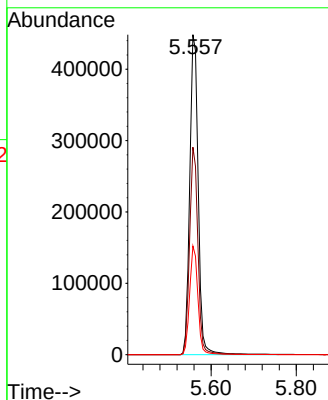
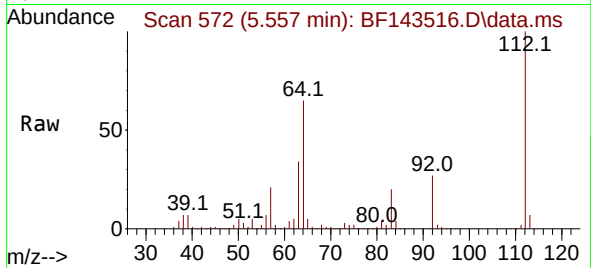




#5
2-Fluorophenol
Concen: 78.639 ng
RT: 5.557 min Scan# 511
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

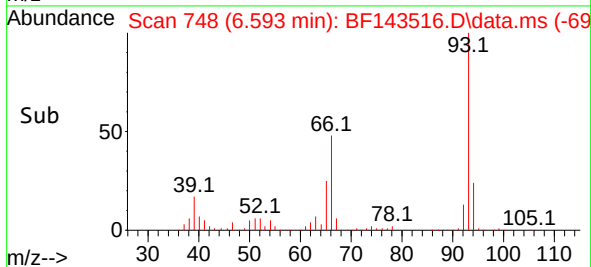
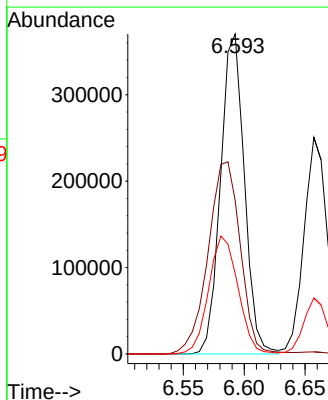
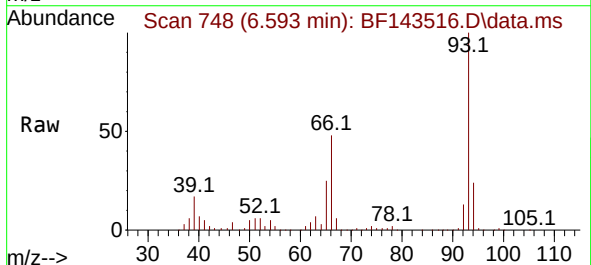
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ClientSampleId :
SSTDCCC040EC

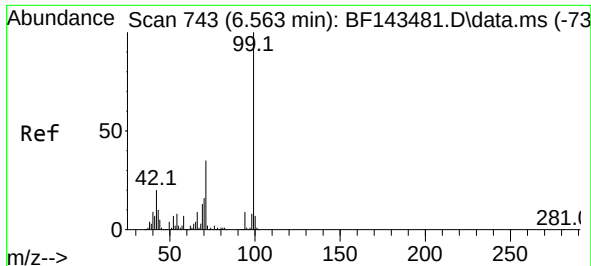
Tgt Ion:112 Resp: 619031
Ion Ratio Lower Upper
112 100
64 64.8 50.4 75.6
63 34.0 26.4 39.6



#6
Aniline
Concen: 38.836 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 93 Resp: 504423
Ion Ratio Lower Upper
93 100
66 48.0 38.9 58.3
65 25.2 20.6 30.8

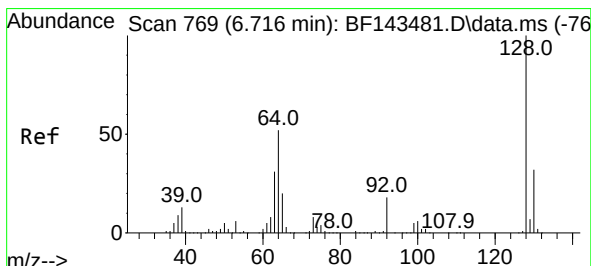
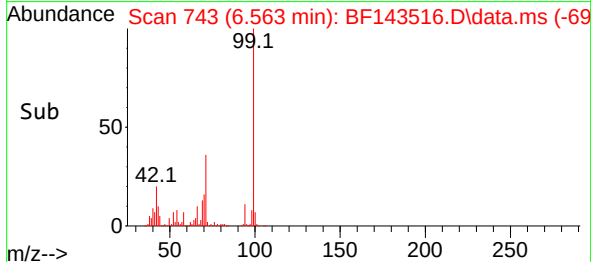
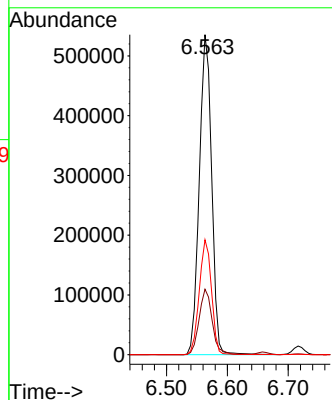
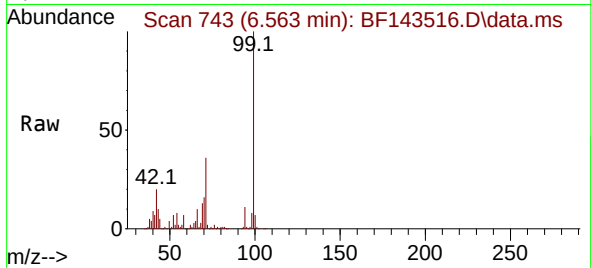




#7
Phenol-d6
Concen: 77.747 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

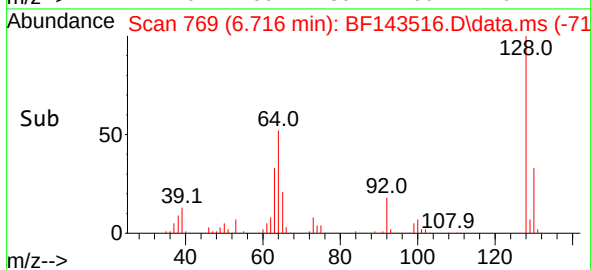
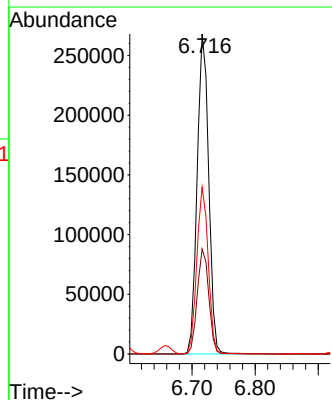
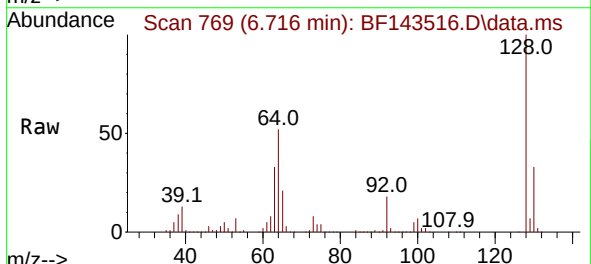
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

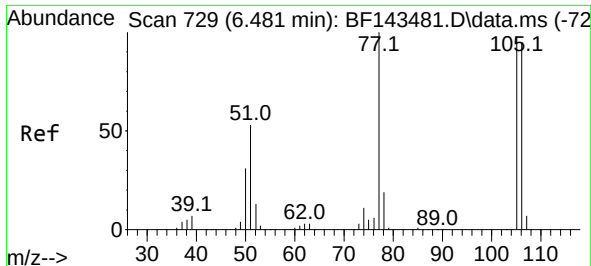
Tgt Ion: 99 Resp: 755494
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 35.9 28.2 42.2



#8
2-Chlorophenol
Concen: 38.991 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 128 Resp: 339008
Ion Ratio Lower Upper
128 100
130 32.8 12.4 52.4
64 52.2 31.6 71.6

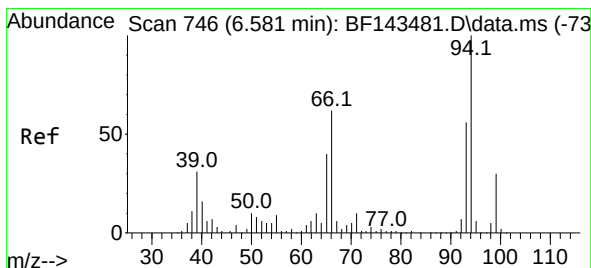
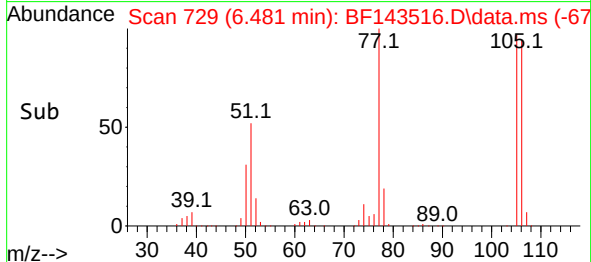
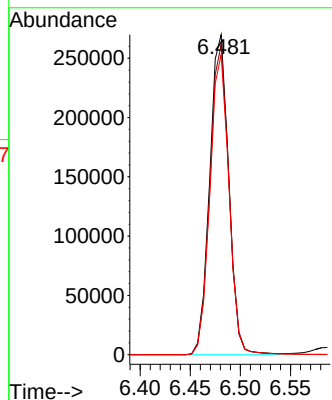
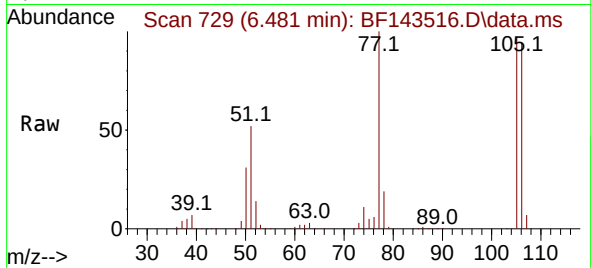




#9
Benzaldehyde
Concen: 45.296 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

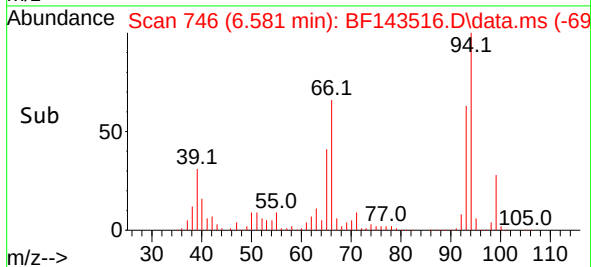
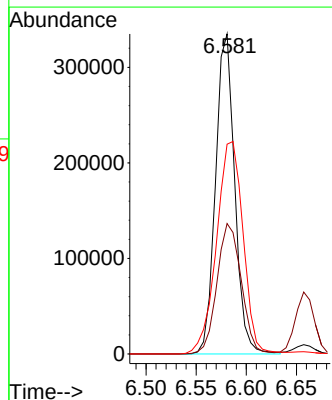
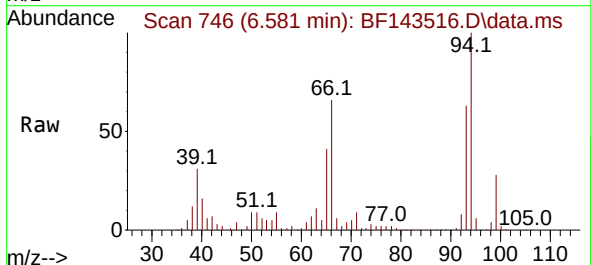
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

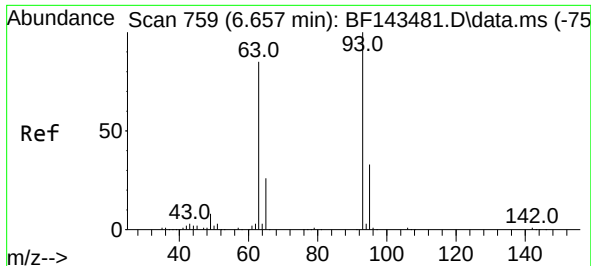
Tgt Ion: 77 Resp: 356360
Ion Ratio Lower Upper
77 100
105 96.9 78.1 118.1
106 93.8 74.9 114.9



#10
Phenol
Concen: 39.657 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 94 Resp: 443936
Ion Ratio Lower Upper
94 100
65 40.8 19.5 59.5
66 65.5 42.5 82.5

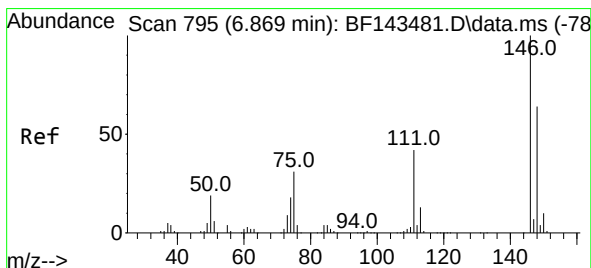
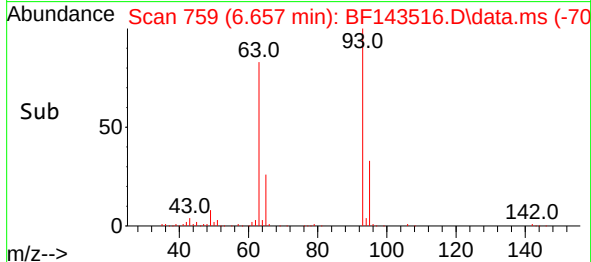
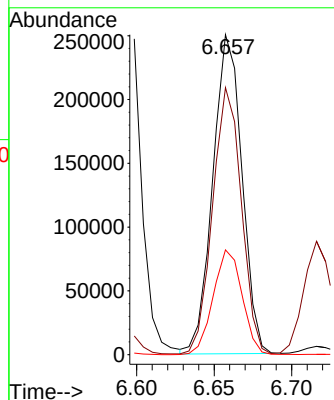
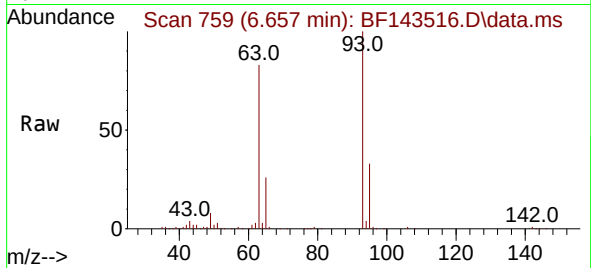




#11
bis(2-Chloroethyl)ether
Concen: 39.111 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

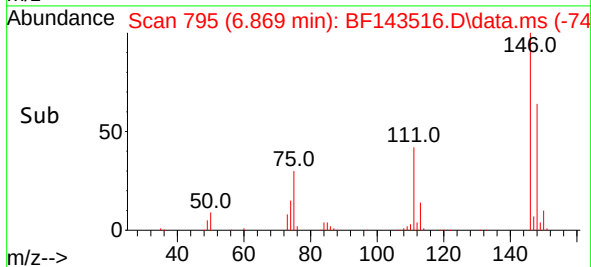
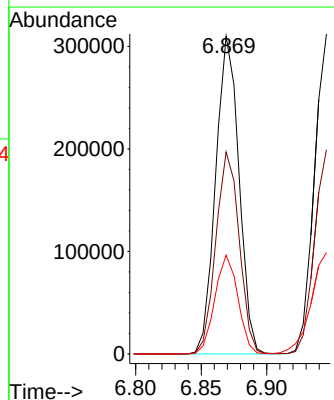
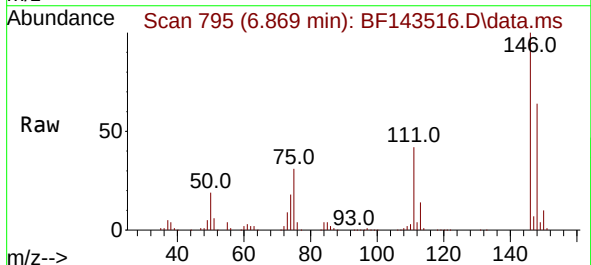
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

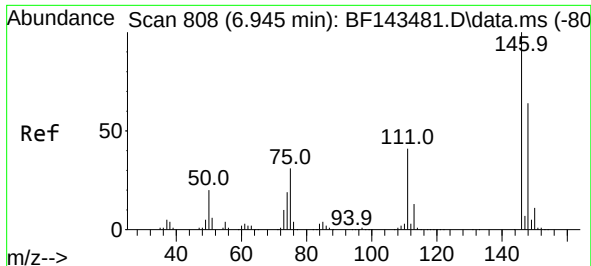
Tgt Ion: 93 Resp: 327175
Ion Ratio Lower Upper
93 100
63 83.5 63.6 103.6
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 39.153 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 146 Resp: 382483
Ion Ratio Lower Upper
146 100
148 63.6 51.3 76.9
75 31.1 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 38.855 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

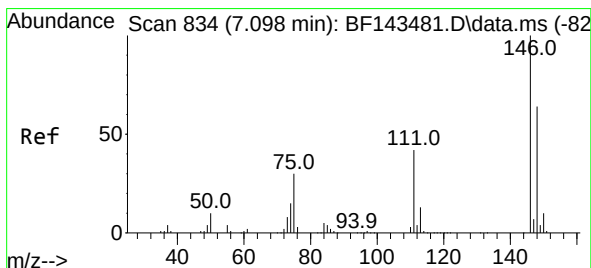
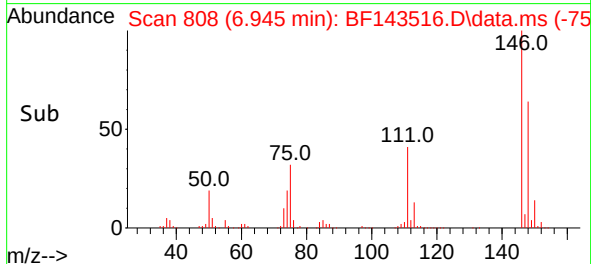
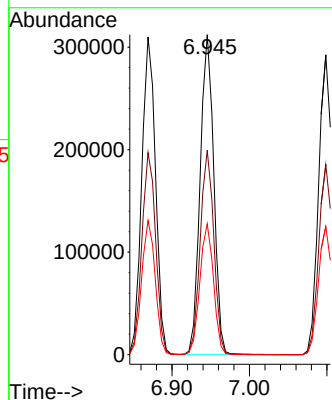
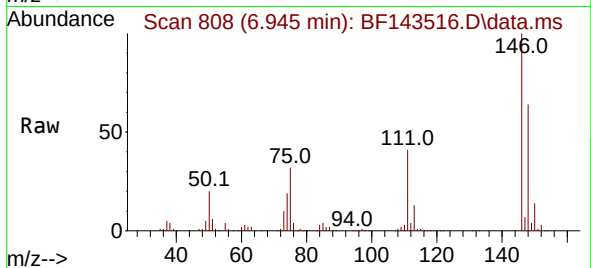
Tgt Ion:146 Resp: 380754

Ion Ratio Lower Upper

146 100

148 63.8 51.5 77.3

111 40.9 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 39.014 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

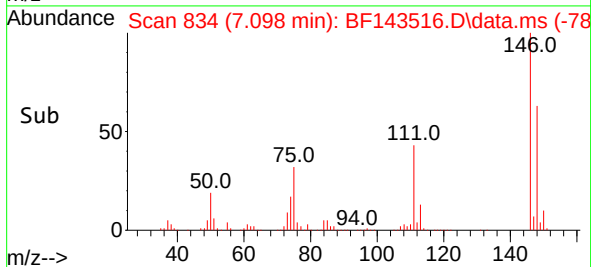
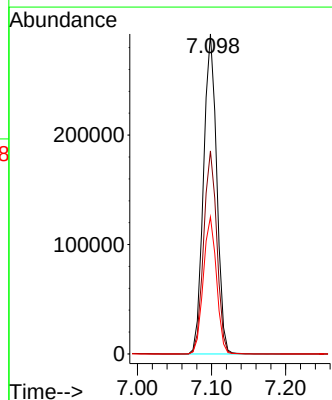
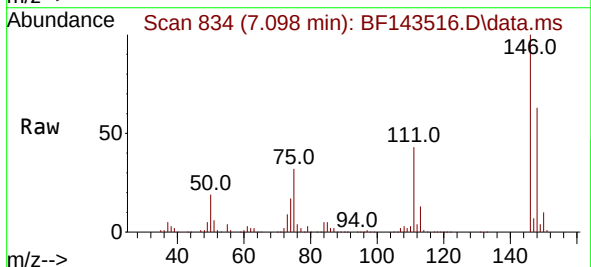
Tgt Ion:146 Resp: 361970

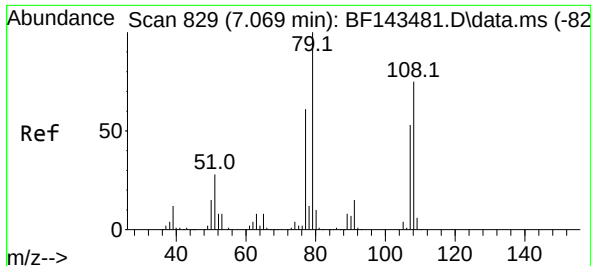
Ion Ratio Lower Upper

146 100

148 63.4 51.0 76.6

111 42.8 34.0 51.0

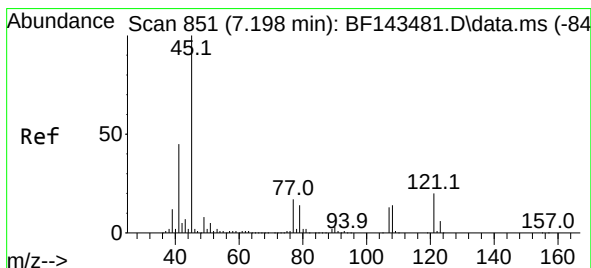
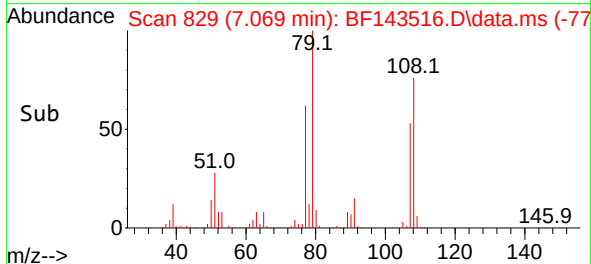
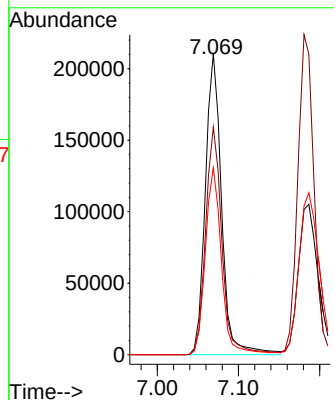
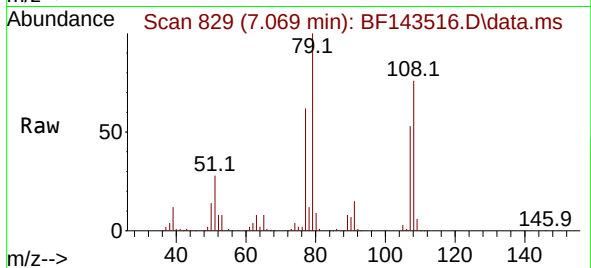




#15
Benzyl Alcohol
Concen: 40.117 ng
RT: 7.069 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

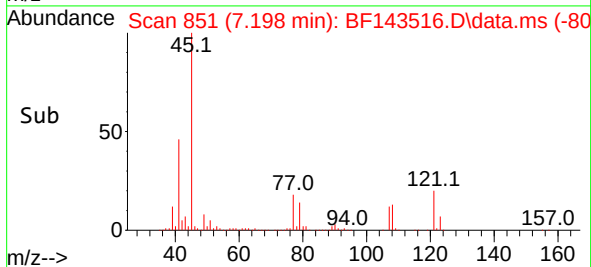
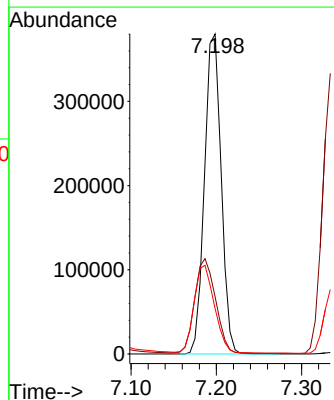
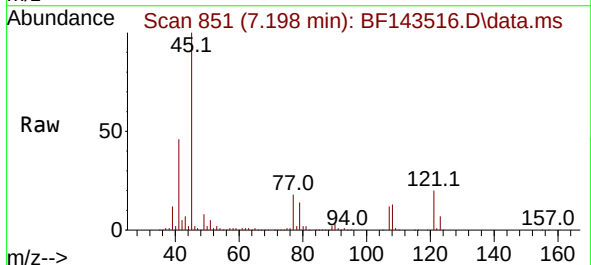
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

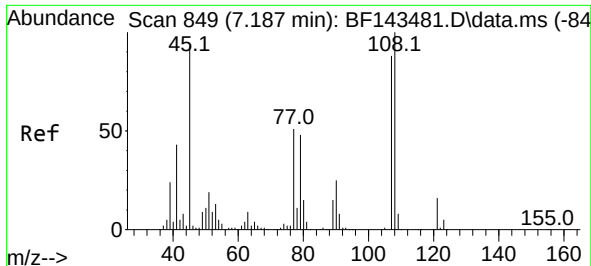
Tgt Ion:	79	Resp:	291861
Ion	Ratio	Lower	Upper
79	100		
108	75.5	59.8	89.6
77	62.0	49.0	73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.635 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:	45	Resp:	517064
Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.9
79	14.2	0.0	34.7

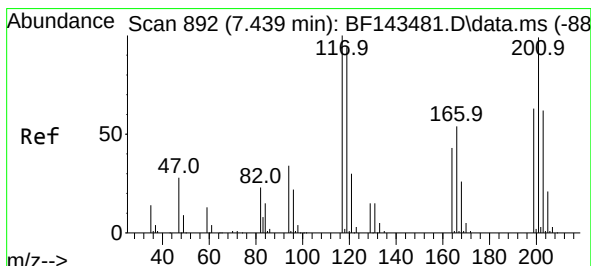
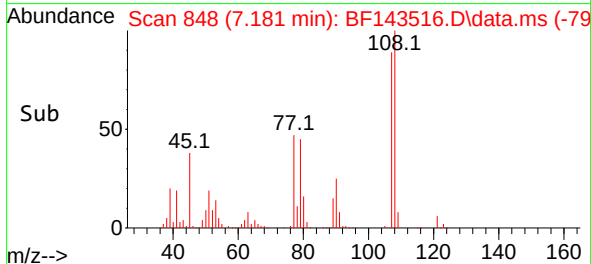
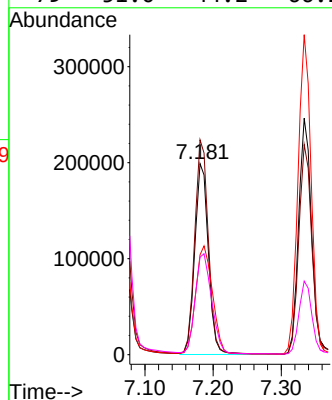
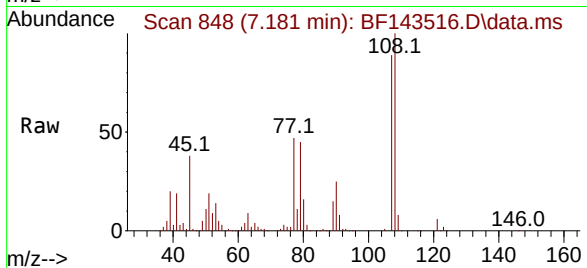




#17
2-Methylphenol
Concen: 39.635 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

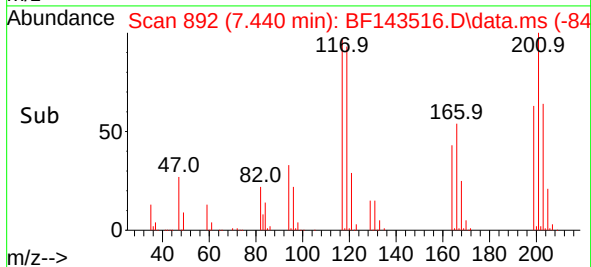
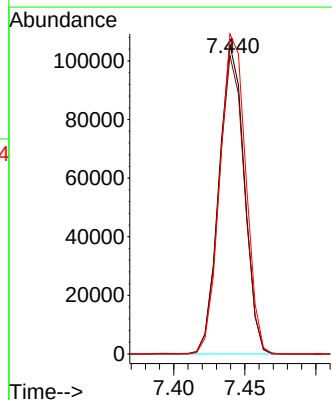
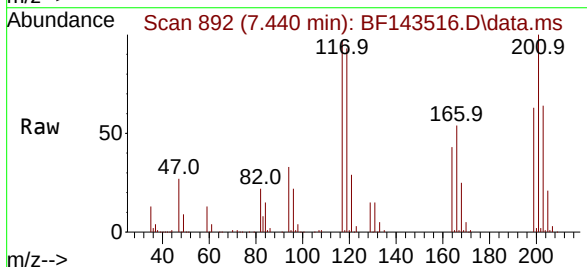
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

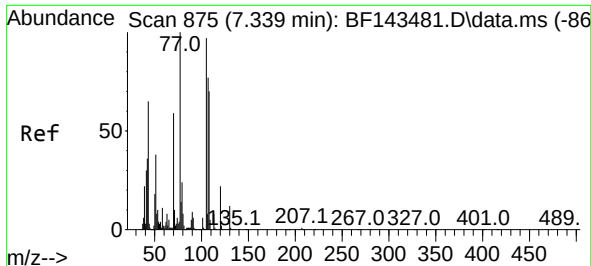
Tgt Ion:	107	Resp:	276576
Ion Ratio	Lower	Upper	
107	100		
108	112.5	91.1	136.7
77	52.3	46.2	69.4
79	51.0	44.2	66.2



#18
Hexachloroethane
Concen: 39.240 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:	117	Resp:	130737
Ion Ratio	Lower	Upper	
117	100		
119	96.5	75.4	113.0
201	103.5	79.0	118.4



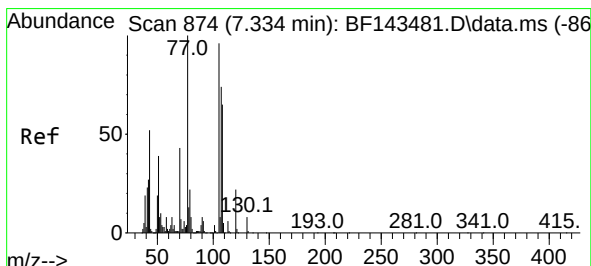
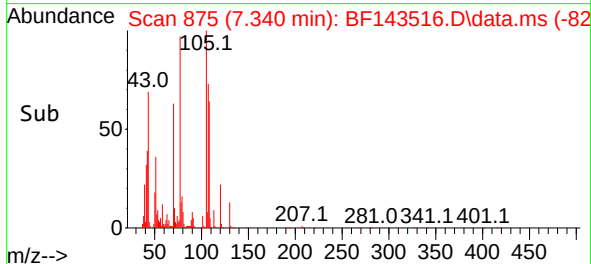
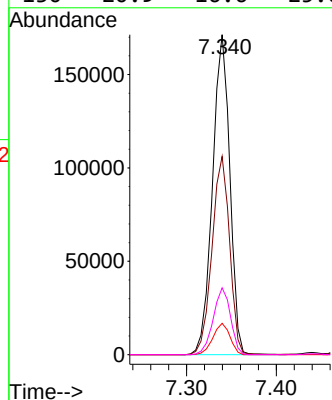
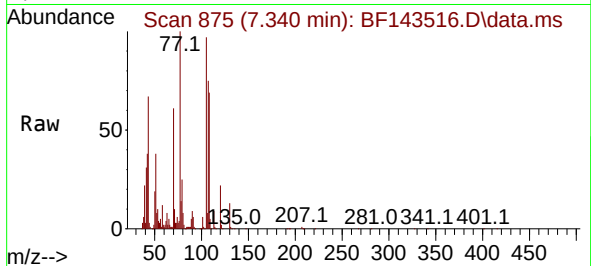


#19
n-Nitroso-di-n-propylamine
Concen: 38.648 ng
RT: 7.340 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 229547

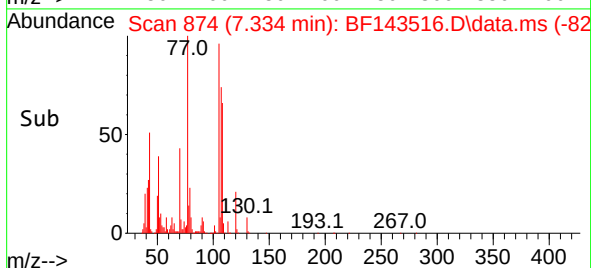
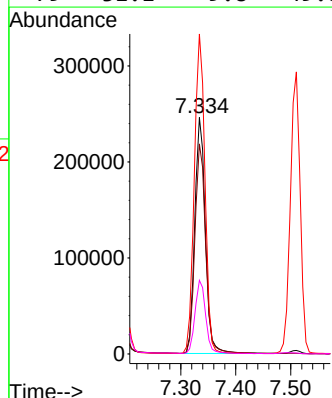
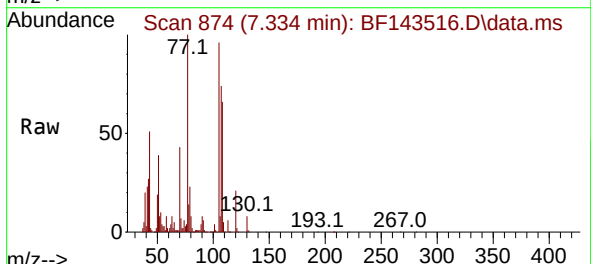
Ion	Ratio	Lower	Upper
70	100		
42	61.9	49.3	73.9
101	9.8	7.8	11.8
130	20.9	16.6	25.0

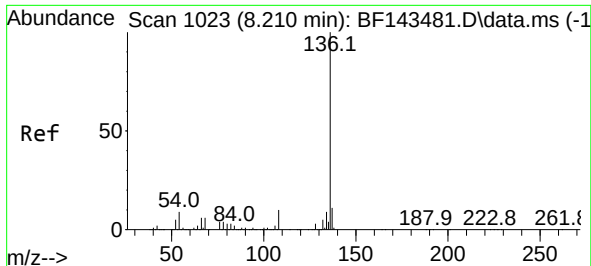


#20
3+4-Methylphenols
Concen: 39.557 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 107 Resp: 329524

Ion	Ratio	Lower	Upper
107	100		
108	88.8	68.4	108.4
77	135.3	116.1	156.1
79	31.1	9.8	49.8

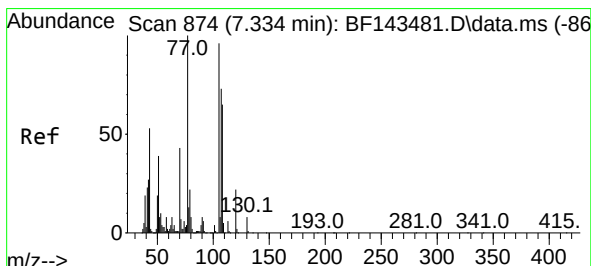
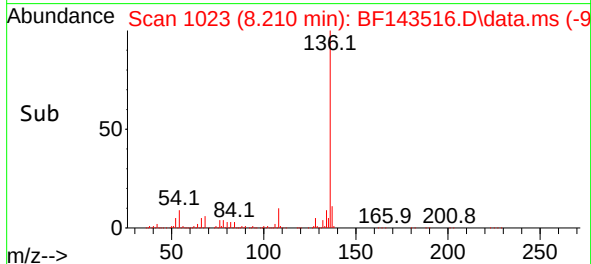
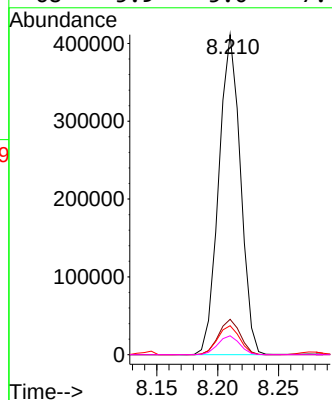
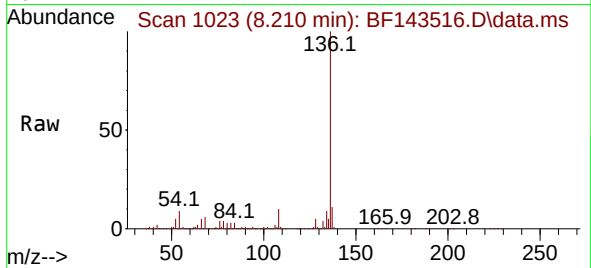




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

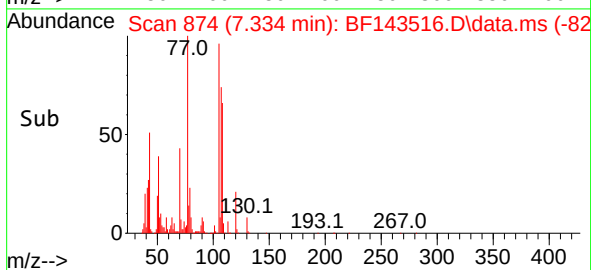
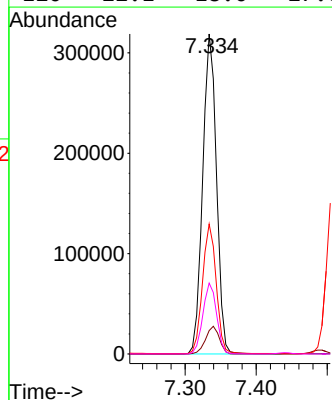
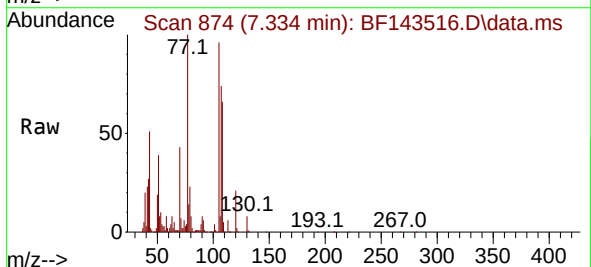
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

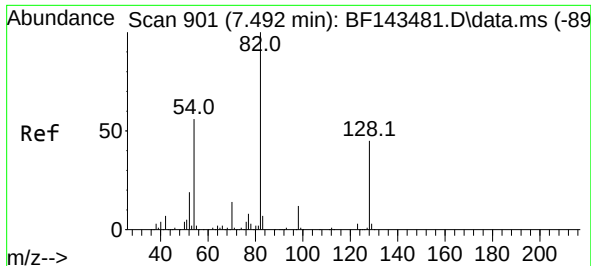
Tgt Ion:136	Resp: 510568
Ion Ratio	Lower Upper
136 100	
137 11.0	9.0 13.4
54 9.1	7.4 11.2
68 5.9	5.0 7.4



#22
Acetophenone
Concen: 39.094 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt	Ion:105	Resp:	431226
Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.9	8.9
51	40.6	32.5	48.7
120	22.1	18.0	27.0





#23

Nitrobenzene-d5

Concen: 80.138 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143516.D

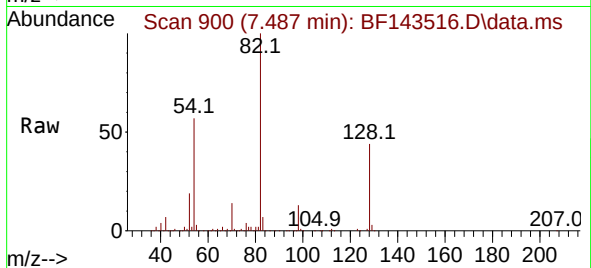
Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

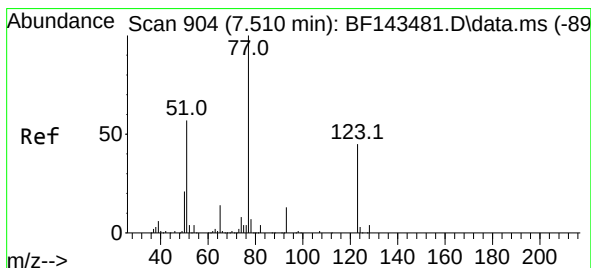
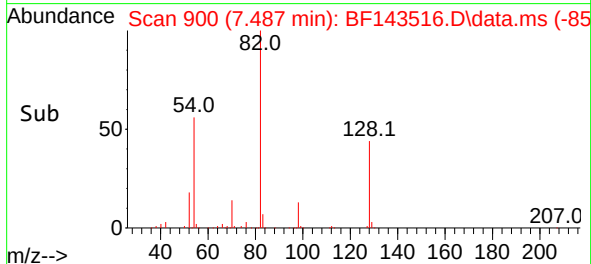
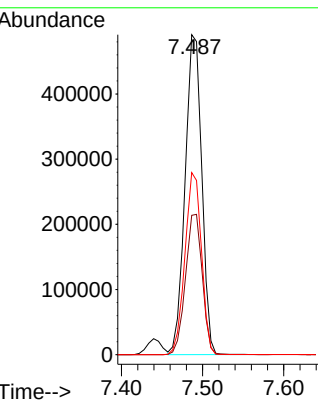
ClientSampleId :

SSTDCCC040EC



Tgt Ion: 82 Resp: 701155

Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.5	53.3
54	56.9	44.3	66.5



#24

Nitrobenzene

Concen: 40.446 ng

RT: 7.510 min Scan# 904

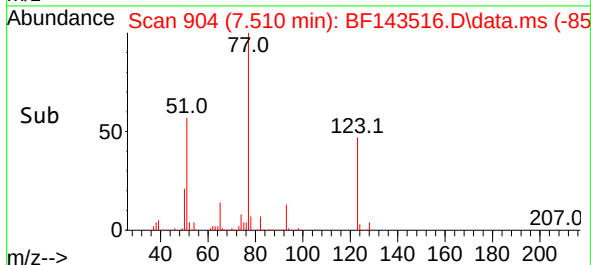
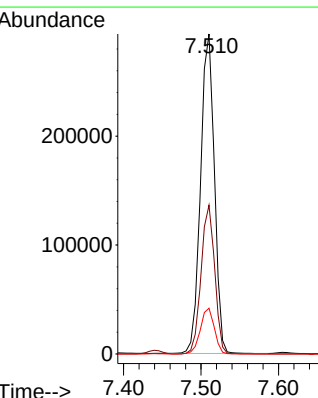
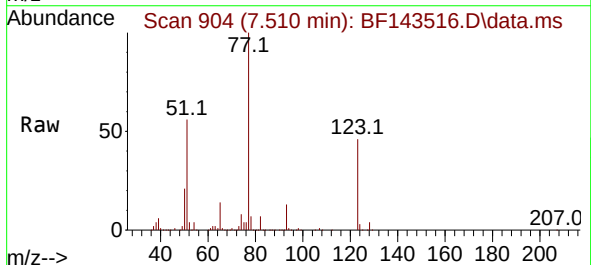
Delta R.T. -0.006 min

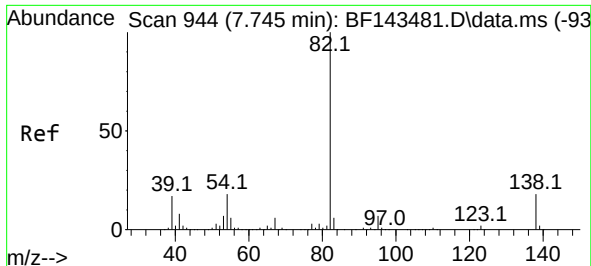
Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Tgt Ion: 77 Resp: 364218

Ion	Ratio	Lower	Upper
77	100		
123	46.5	36.1	54.1
65	14.3	11.0	16.6

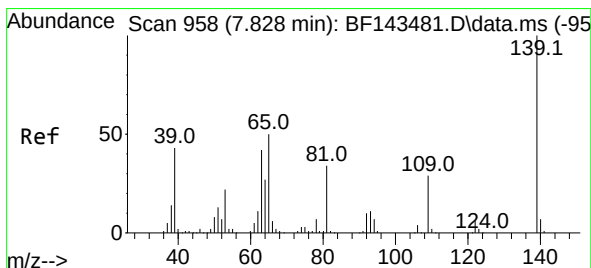
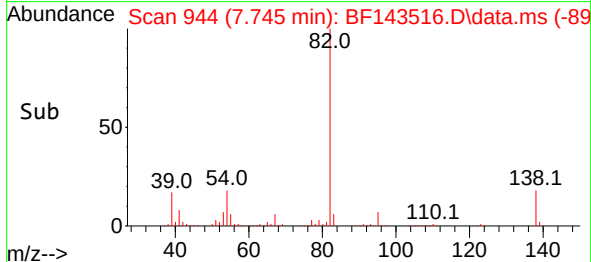
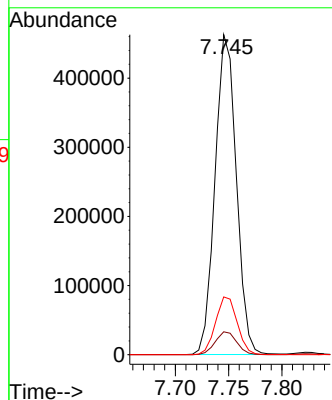
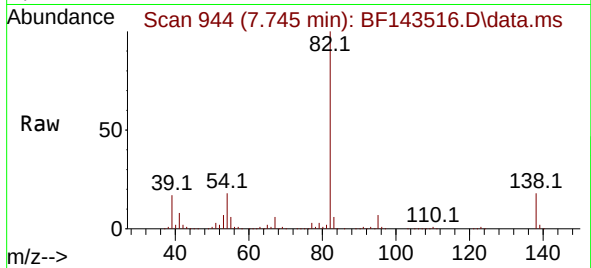




#25
Isophorone
Concen: 40.006 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

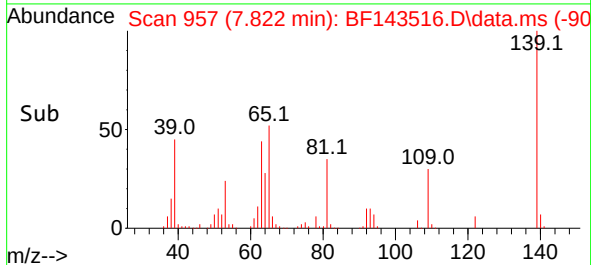
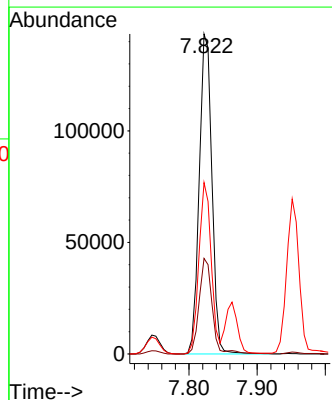
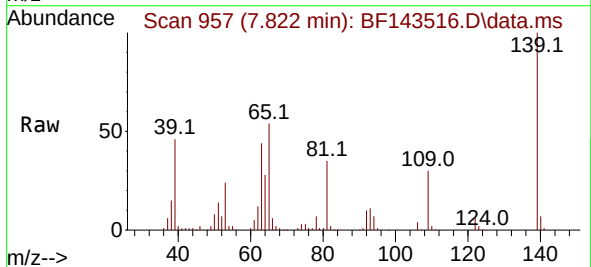
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

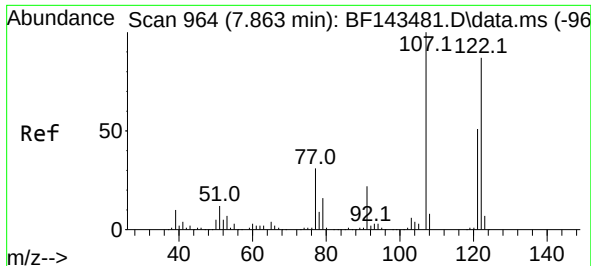
Tgt Ion: 82 Resp: 641626
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.8
138 18.0 14.2 21.4



#26
2-Nitrophenol
Concen: 42.012 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:139 Resp: 185319
Ion Ratio Lower Upper
139 100
109 29.9 23.0 34.6
65 53.6 40.3 60.5

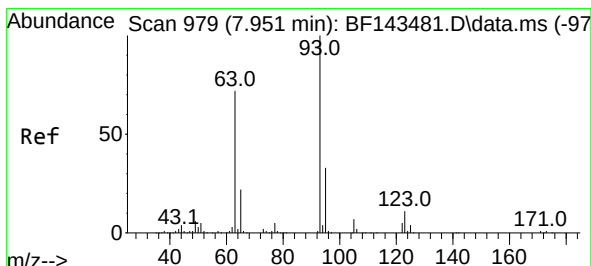
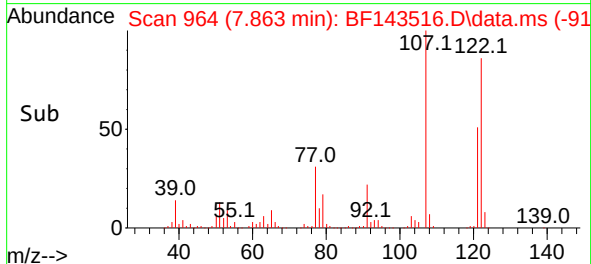
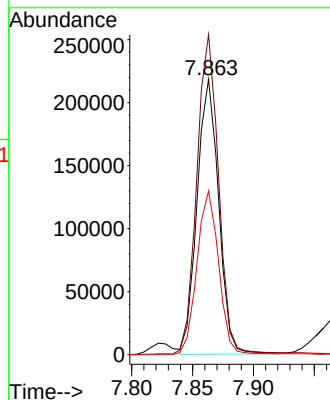
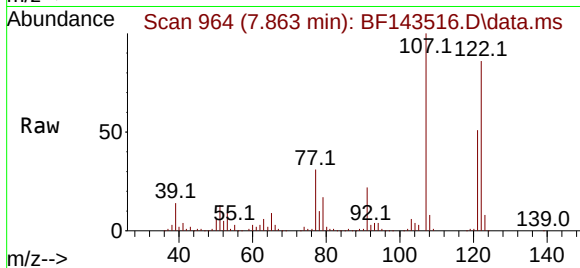




#27
2,4-Dimethylphenol
Concen: 39.152 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

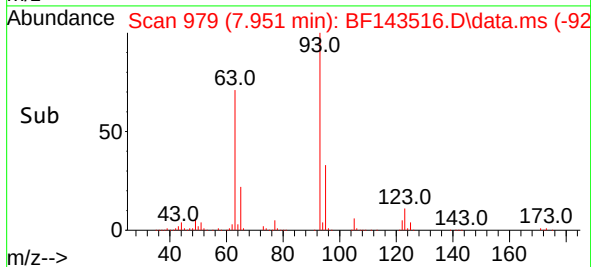
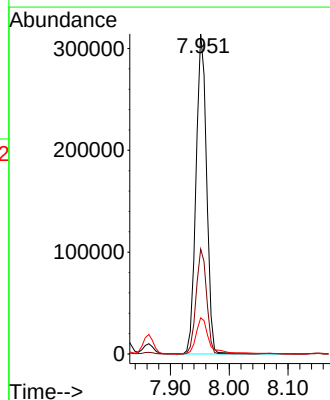
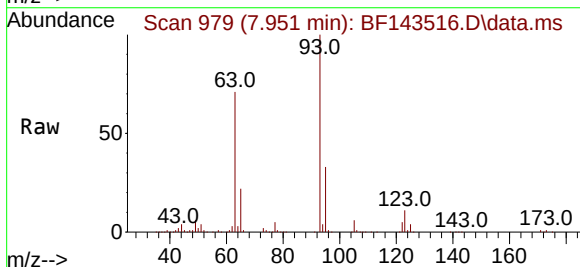
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

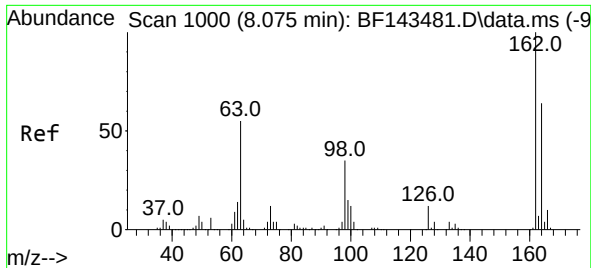
Tgt Ion:122 Resp: 269222
Ion Ratio Lower Upper
122 100
107 116.2 91.5 137.3
121 59.5 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 39.952 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 93 Resp: 393788
Ion Ratio Lower Upper
93 100
95 32.8 26.0 39.0
123 11.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 39.911 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

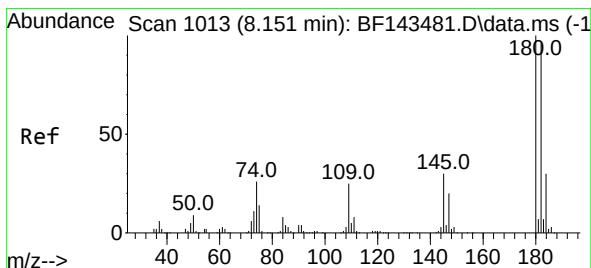
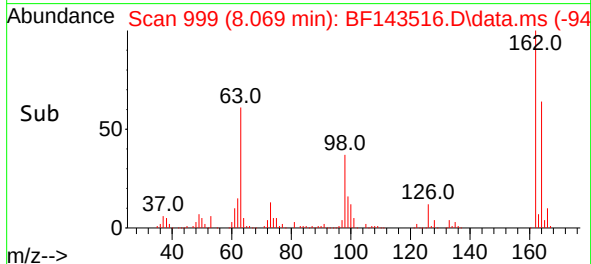
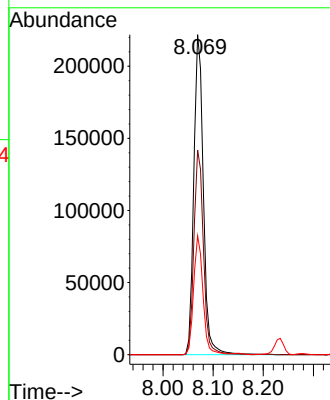
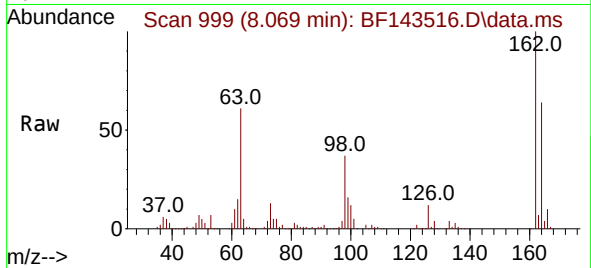
Tgt Ion:162 Resp: 293101

Ion Ratio Lower Upper

162 100

164 63.9 43.5 83.5

98 37.2 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 39.782 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

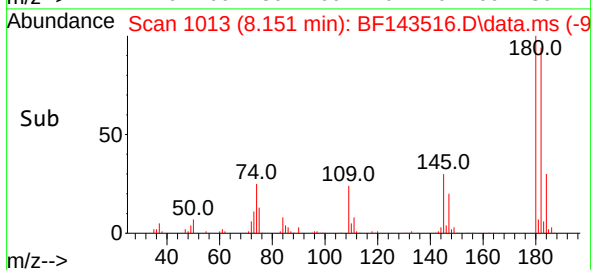
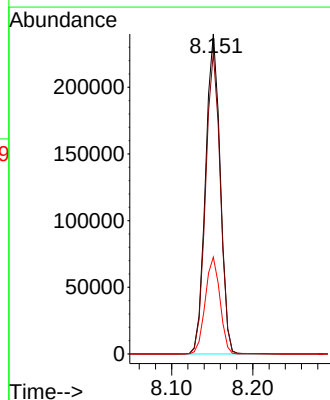
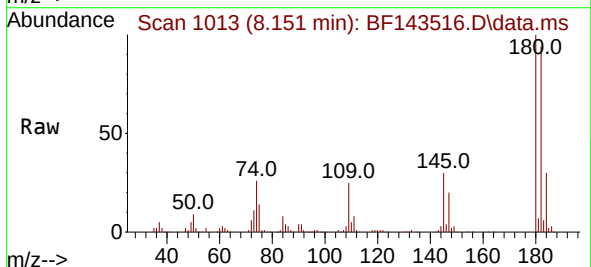
Tgt Ion:180 Resp: 300378

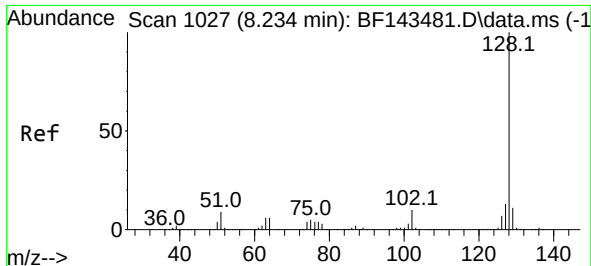
Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

145 30.3 24.3 36.5

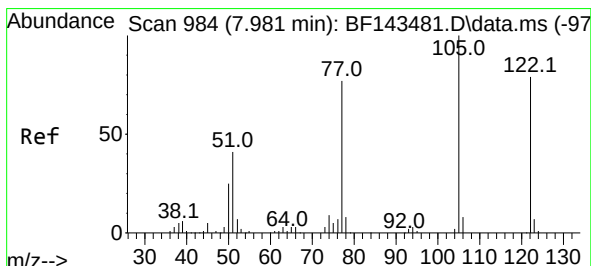
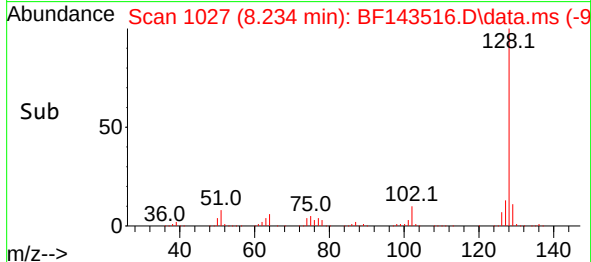
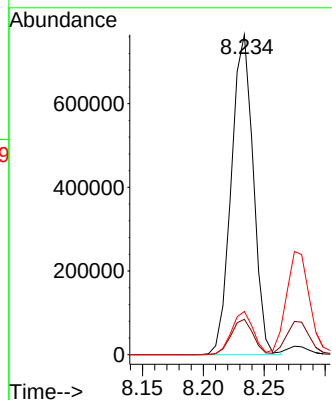
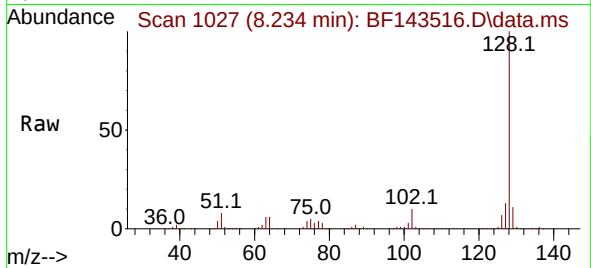




#31
Naphthalene
Concen: 39.092 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

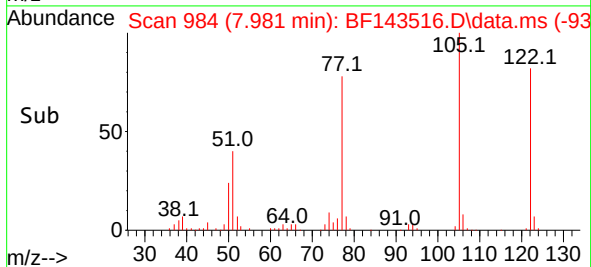
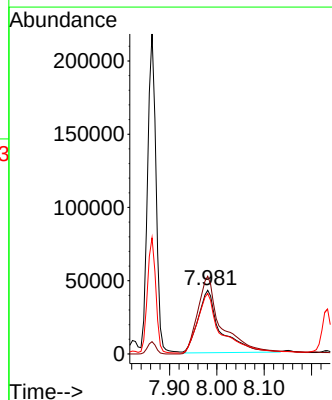
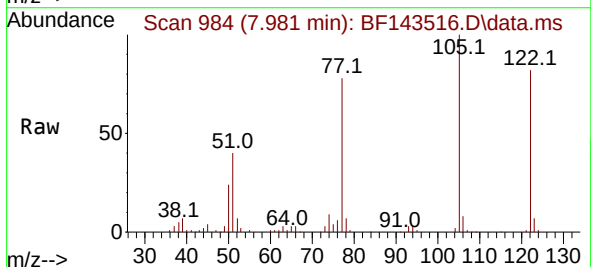
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

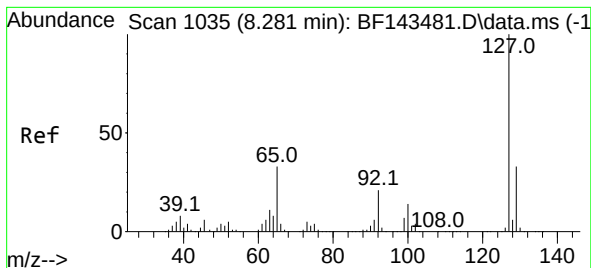
Tgt Ion:128 Resp: 958228
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.5 10.6 16.0



#32
Benzoic acid
Concen: 37.591 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.029 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:122 Resp: 141499
Ion Ratio Lower Upper
122 100
105 122.1 104.7 144.7
77 94.9 77.3 117.3



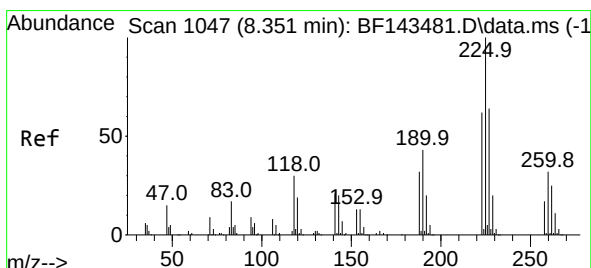
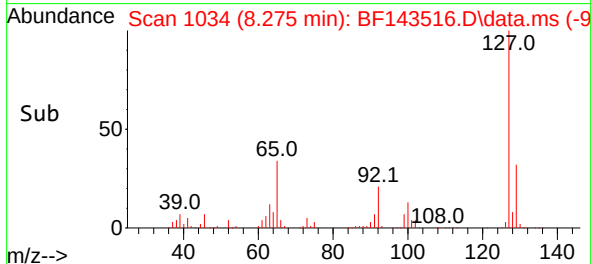
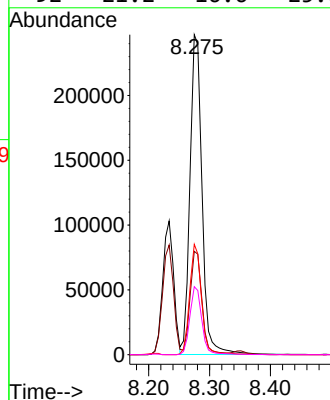
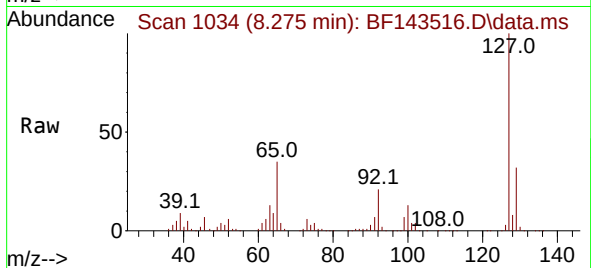


#33
4-Chloroaniline
Concen: 38.986 ng
RT: 8.275 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 339182

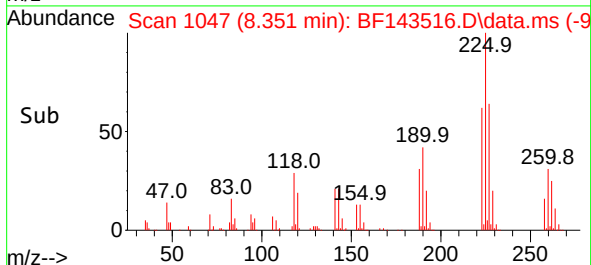
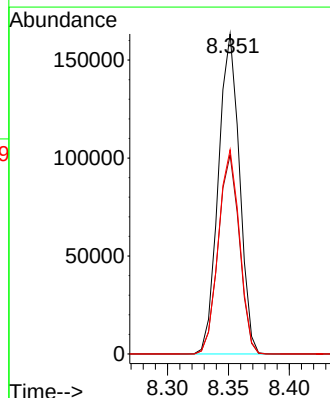
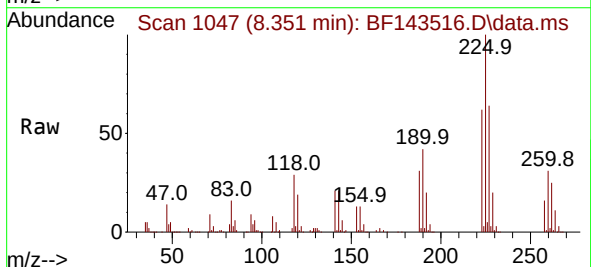
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	34.5	26.2	39.2
92	21.2	16.6	25.0

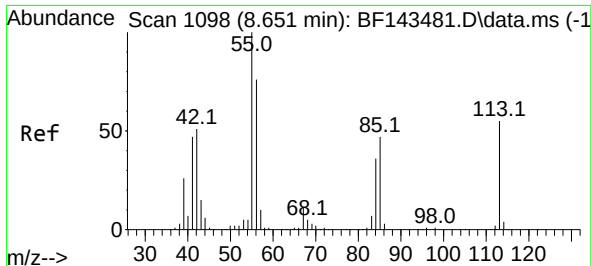


#34
Hexachlorobutadiene
Concen: 39.969 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:225 Resp: 196894

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.9	74.9
227	63.8	50.9	76.3

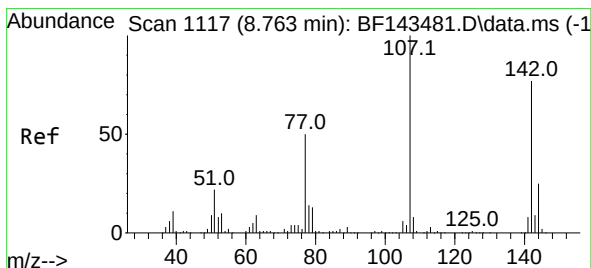
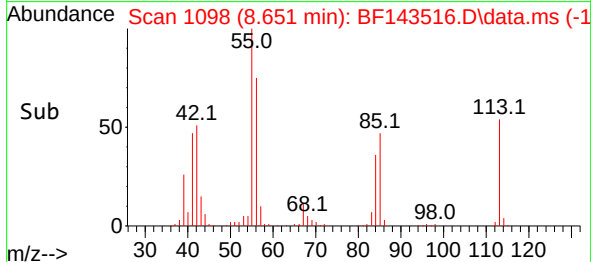
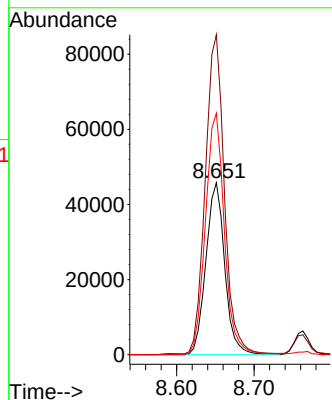
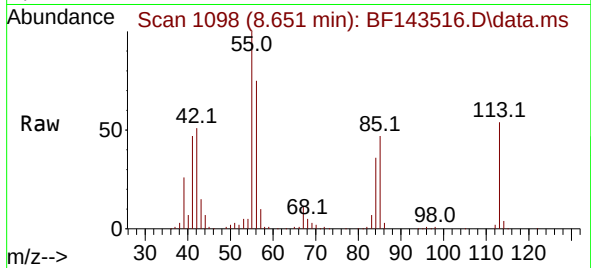




#35
Caprolactam
Concen: 43.799 ng
RT: 8.651 min Scan# 1098
Delta R.T. -0.023 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

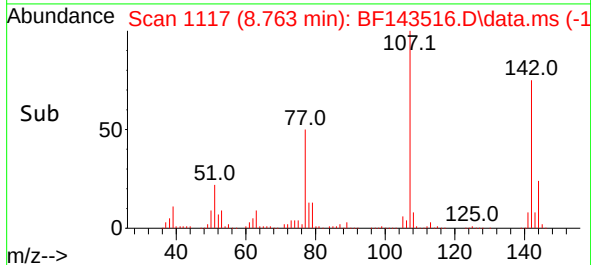
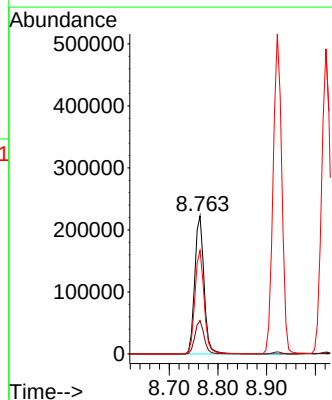
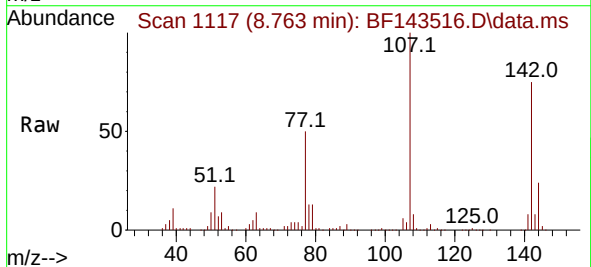
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

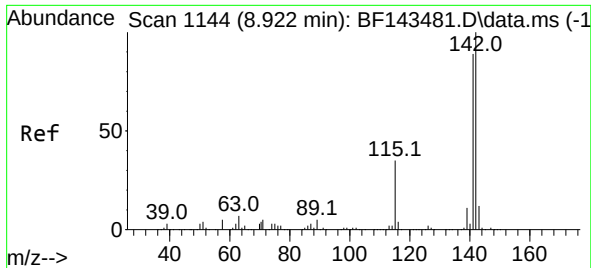
Tgt Ion:113 Resp: 77185
Ion Ratio Lower Upper
113 100
55 186.1 162.8 202.8
56 140.4 118.1 158.1



#36
4-Chloro-3-methylphenol
Concen: 40.394 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:107 Resp: 297282
Ion Ratio Lower Upper
107 100
144 24.2 19.9 29.9
142 74.9 61.8 92.8





#37

2-Methylnaphthalene

Concen: 38.808 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

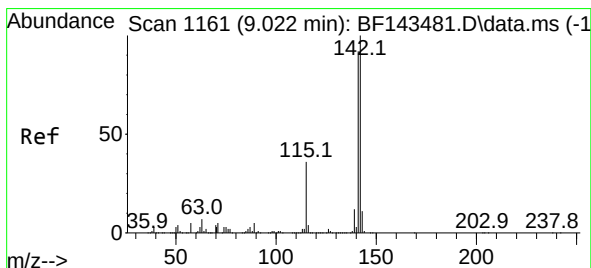
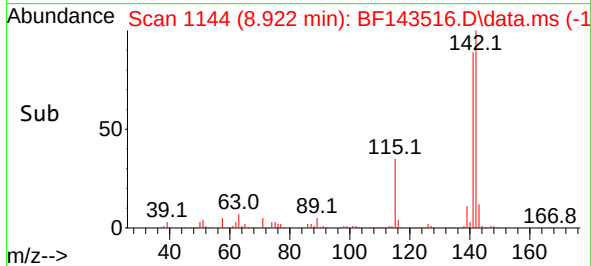
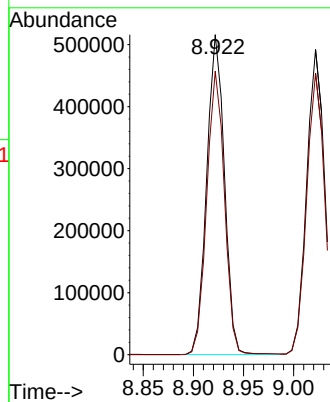
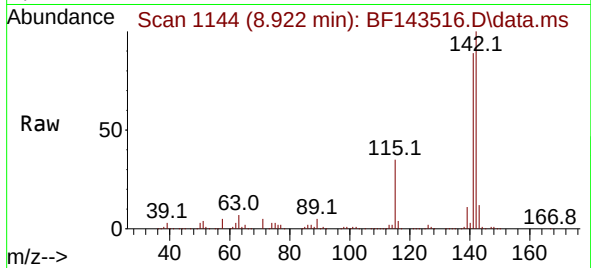
SSTDCCC040EC

Tgt Ion:142 Resp: 635344

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.4



#38

1-Methylnaphthalene

Concen: 38.685 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143516.D

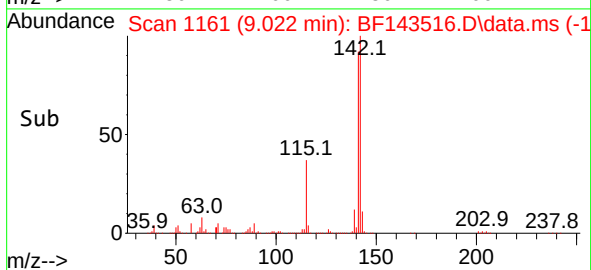
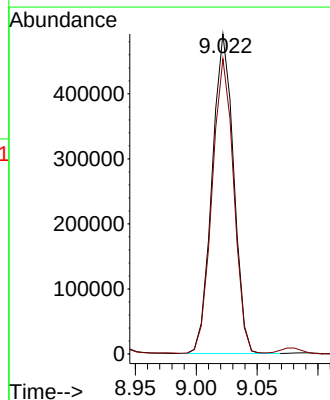
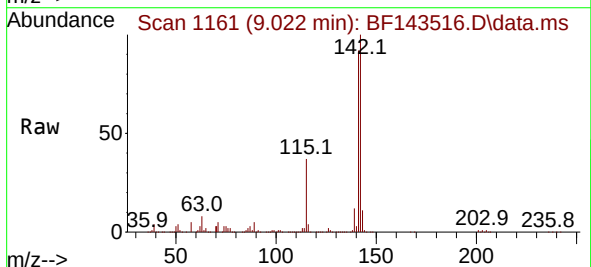
Acq: 21 Aug 2025 06:44

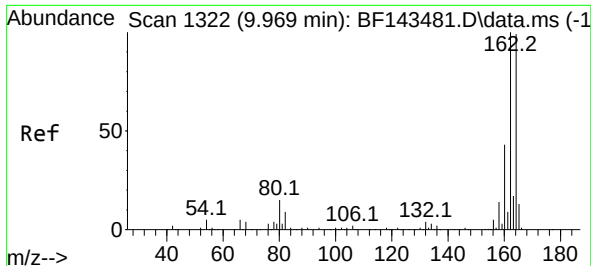
Tgt Ion:142 Resp: 605817

Ion Ratio Lower Upper

142 100

141 92.3 73.3 109.9

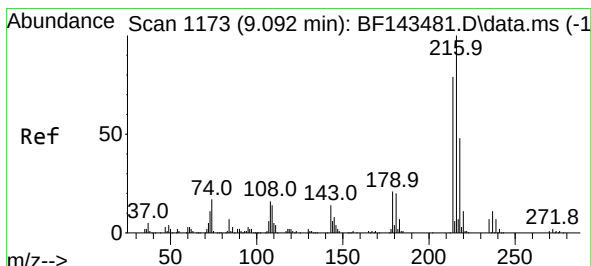
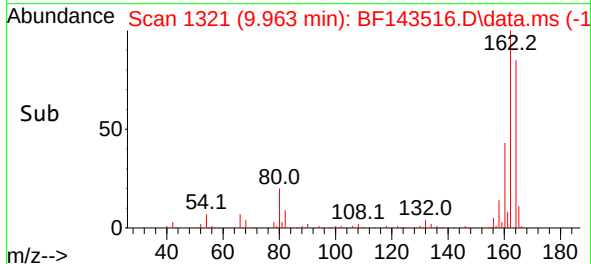
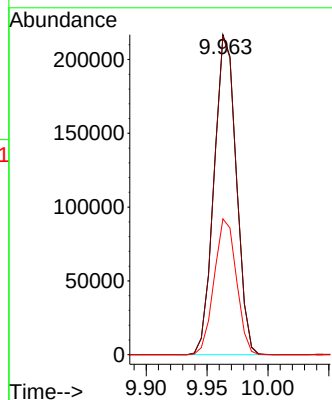
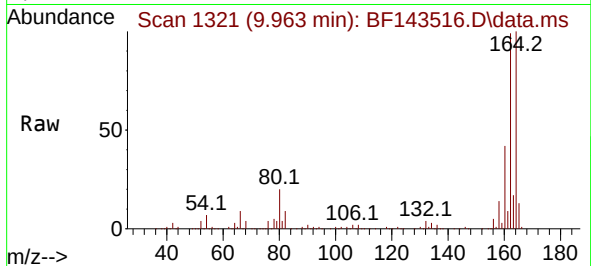




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

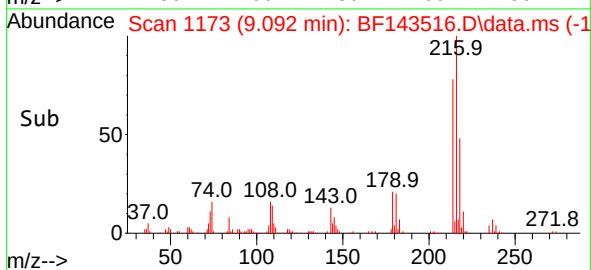
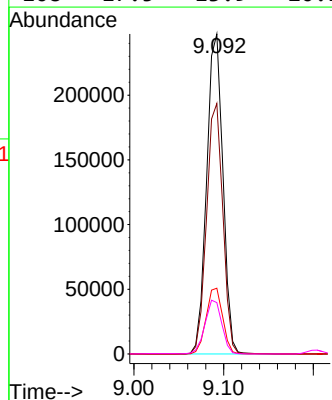
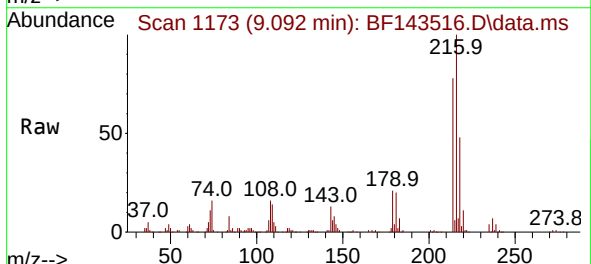
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

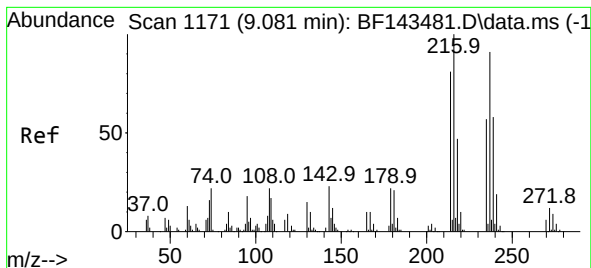
Tgt Ion:164 Resp: 274867
Ion Ratio Lower Upper
164 100
162 99.5 80.5 120.7
160 42.4 34.3 51.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.505 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:216 Resp: 310596
Ion Ratio Lower Upper
216 100
214 78.4 63.4 95.0
179 20.9 16.5 24.7
108 17.5 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 33.894 ng

RT: 9.081 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

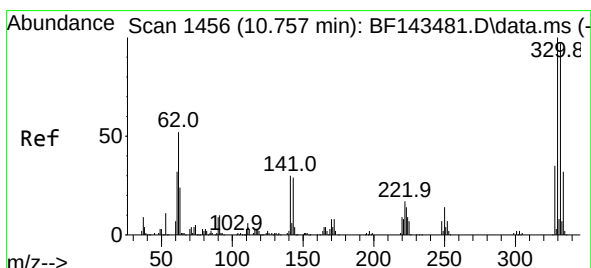
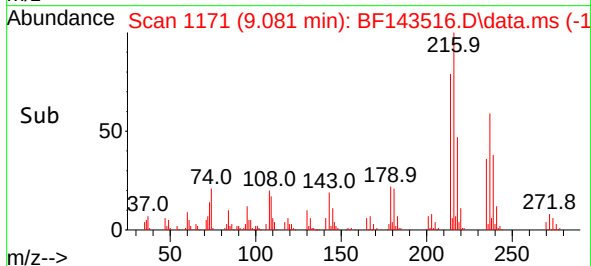
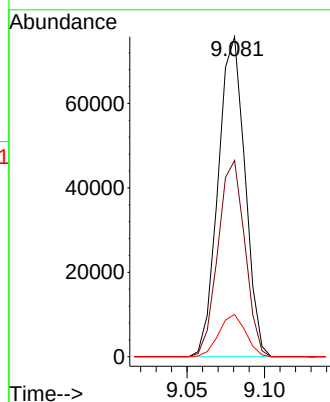
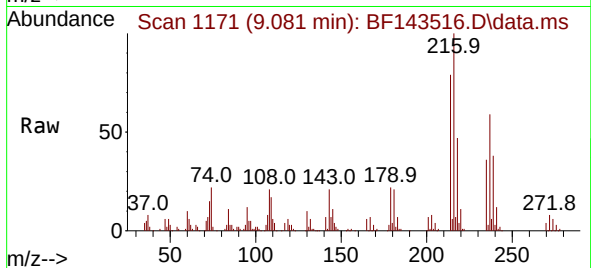
Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:237	Resp:	91199
Ion Ratio	Lower	Upper
237	100	
235	61.3	42.6 82.6
272	13.2	0.0 33.4



#42

2,4,6-Tribromophenol

Concen: 77.956 ng

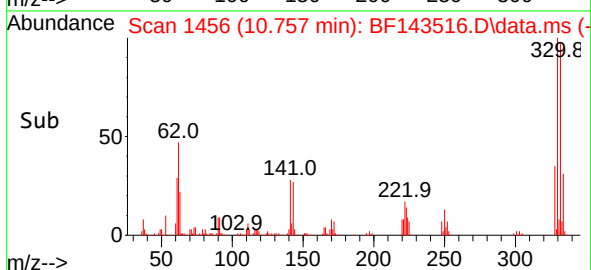
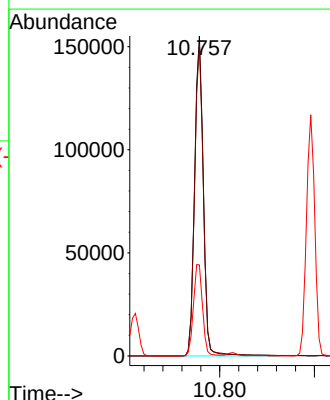
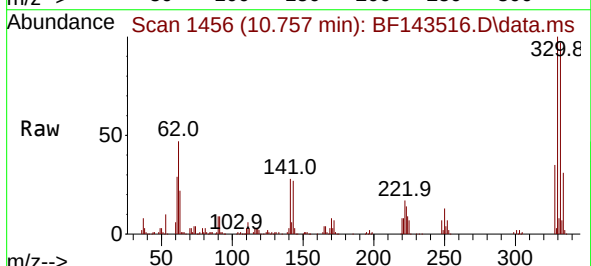
RT: 10.757 min Scan# 1456

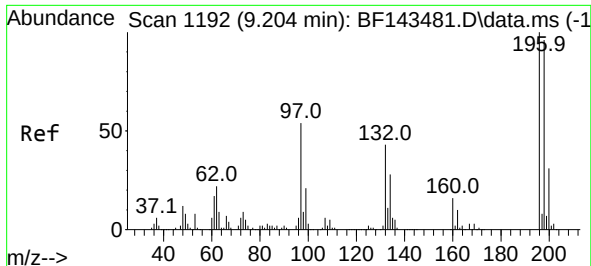
Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Tgt Ion:330	Resp:	199460
Ion Ratio	Lower	Upper
330	100	
332	97.7	78.0 117.0
141	29.7	23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 39.825 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143516.D

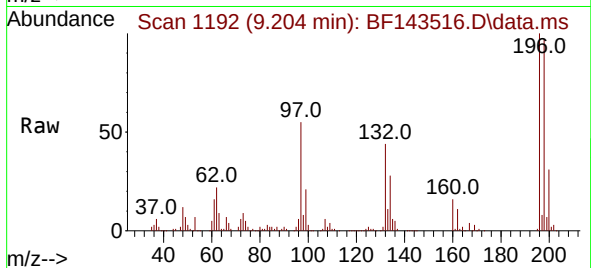
Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



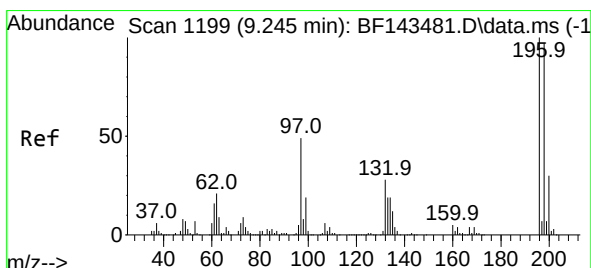
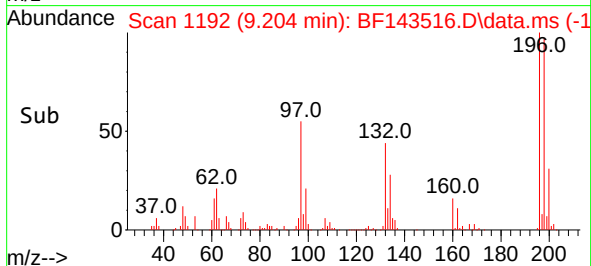
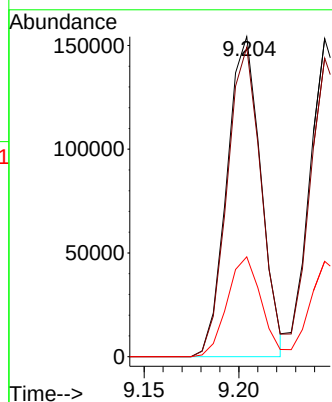
Tgt Ion:196 Resp: 192667

Ion Ratio Lower Upper

196 100

198 96.7 77.0 115.4

200 31.2 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 40.163 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Tgt Ion:196 Resp: 212240

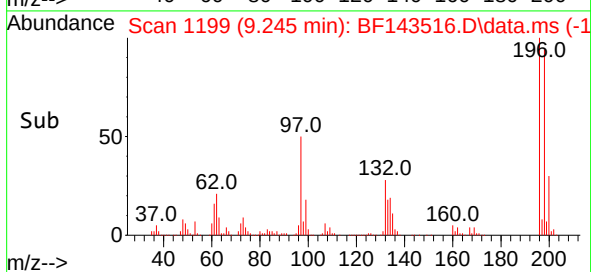
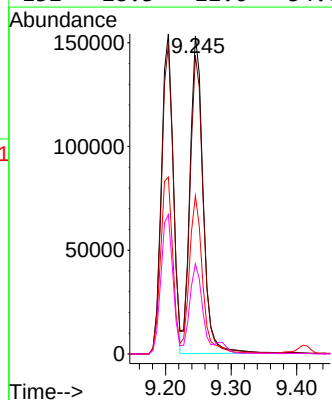
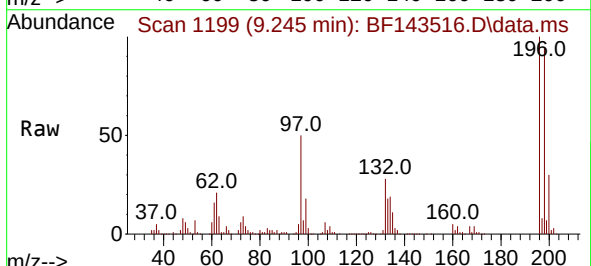
Ion Ratio Lower Upper

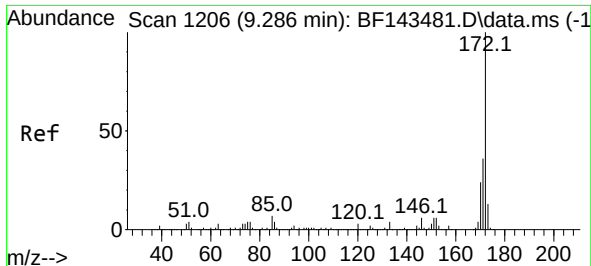
196 100

198 93.9 77.3 115.9

97 49.7 40.0 60.0

132 28.3 22.6 34.0

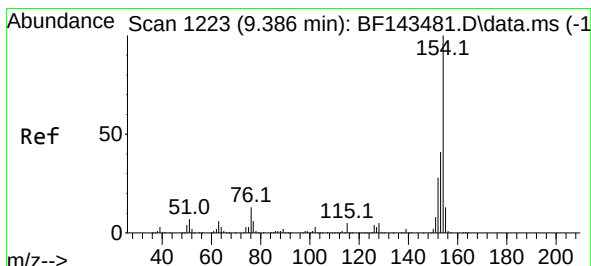
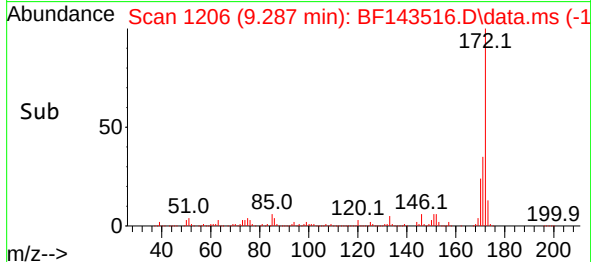
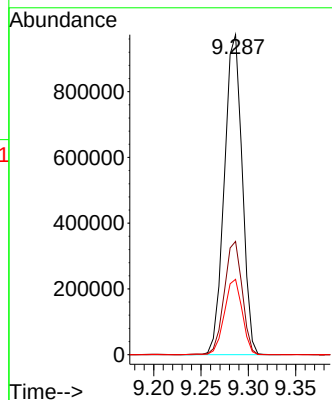
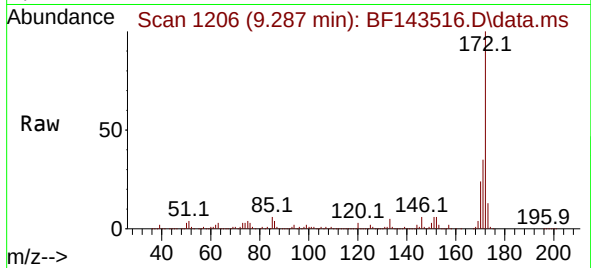




#45
2-Fluorobiphenyl
Concen: 76.887 ng
RT: 9.287 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

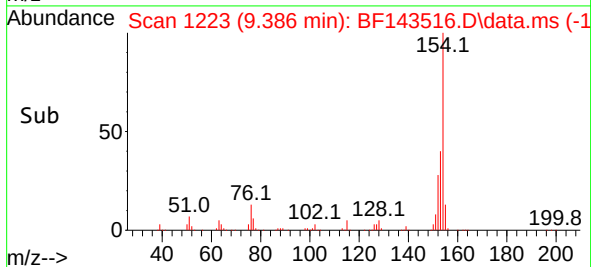
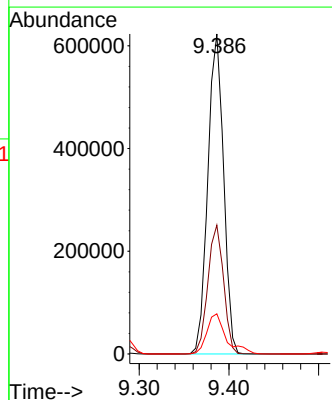
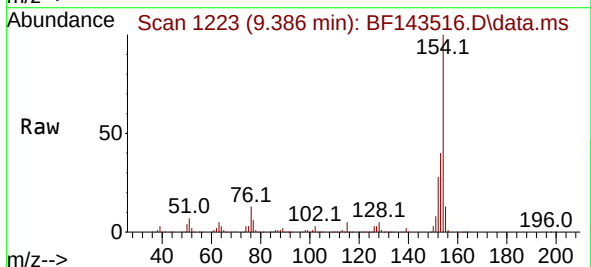
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

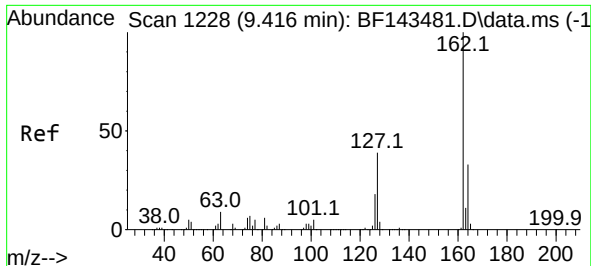
Tgt Ion:172 Resp: 1278754
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.5 18.8 28.2



#46
1,1'-Biphenyl
Concen: 38.879 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:154 Resp: 758507
Ion Ratio Lower Upper
154 100
153 40.2 20.6 60.6
76 12.6 0.0 33.0

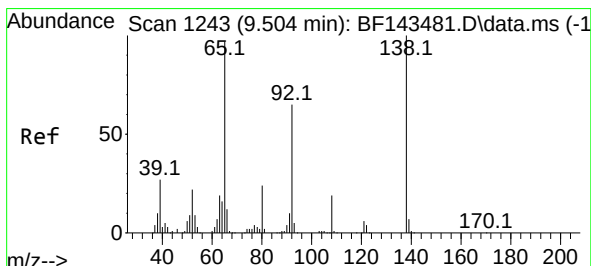
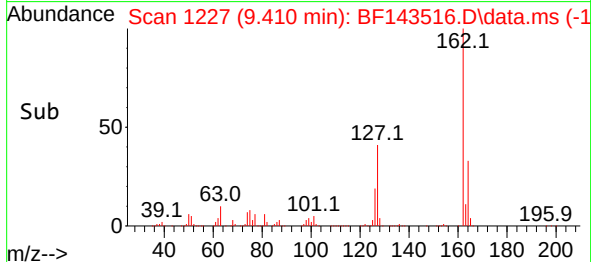
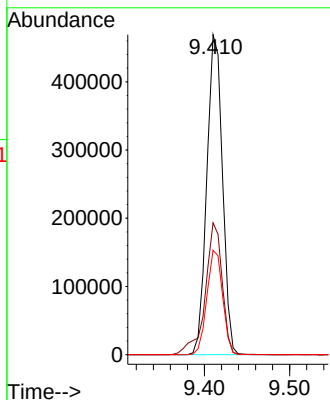
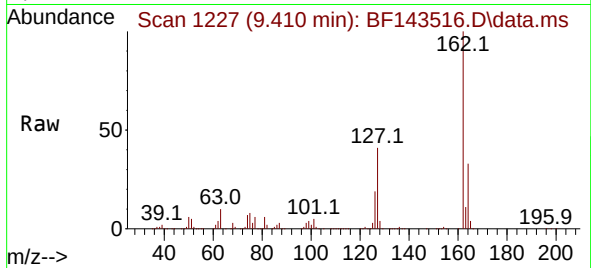




#47
2-Chloronaphthalene
Concen: 39.061 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

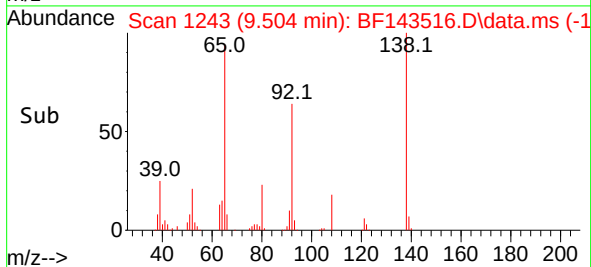
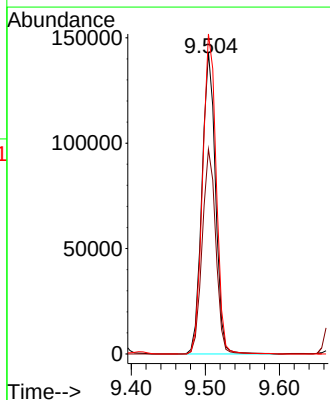
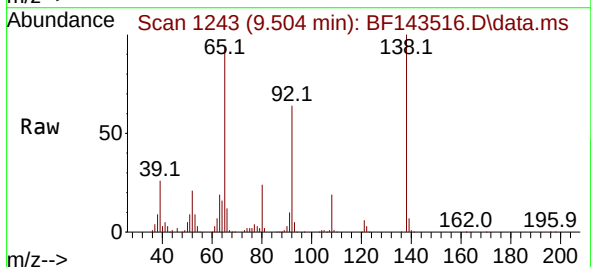
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

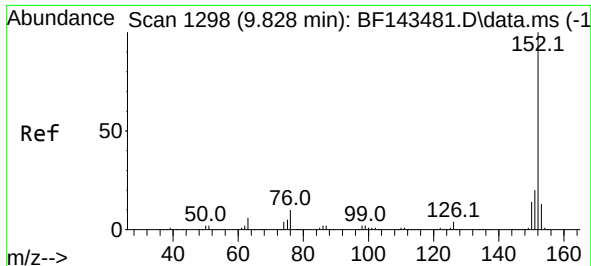
Tgt Ion:162 Resp: 597936
Ion Ratio Lower Upper
162 100
127 41.2 31.8 47.6
164 32.7 26.4 39.6



#48
2-Nitroaniline
Concen: 40.640 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 65 Resp: 182065
Ion Ratio Lower Upper
65 100
92 67.9 53.8 80.6
138 106.0 82.4 123.6





#49

Acenaphthylene

Concen: 39.059 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143516.D

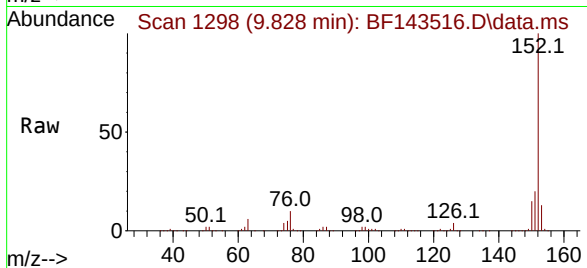
Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



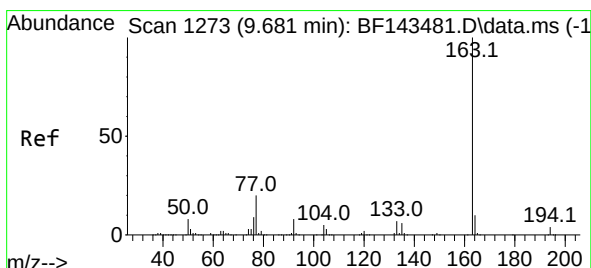
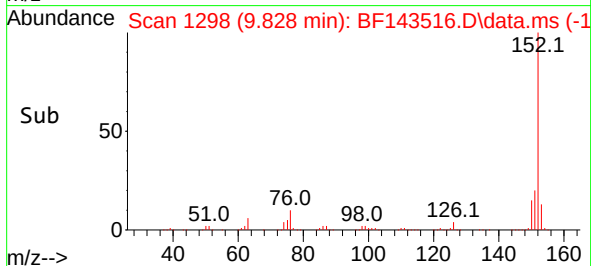
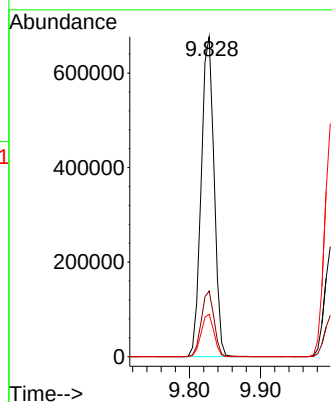
Tgt Ion:152 Resp: 856096

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 40.583 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

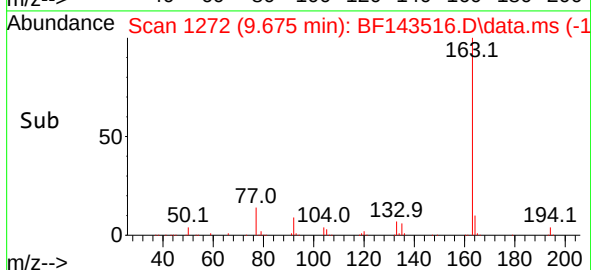
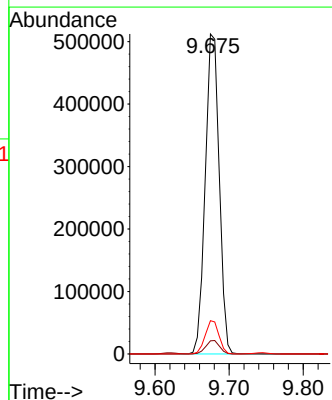
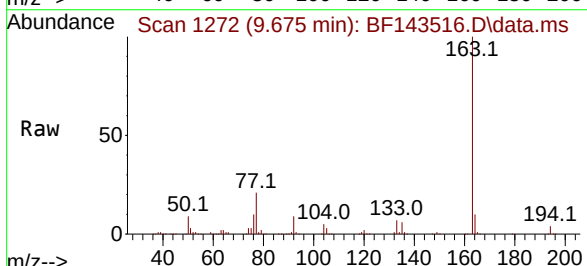
Tgt Ion:163 Resp: 671826

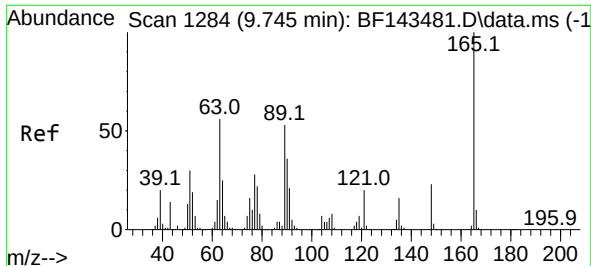
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.4 8.2 12.2

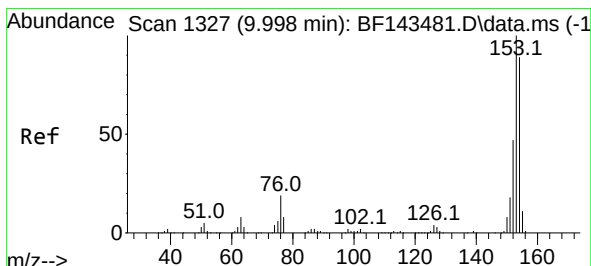
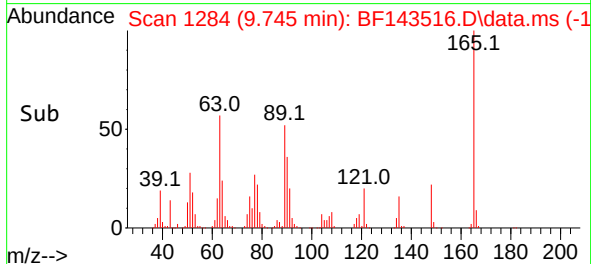
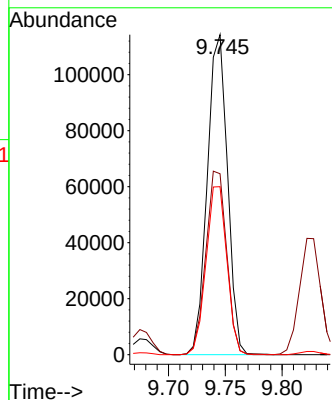
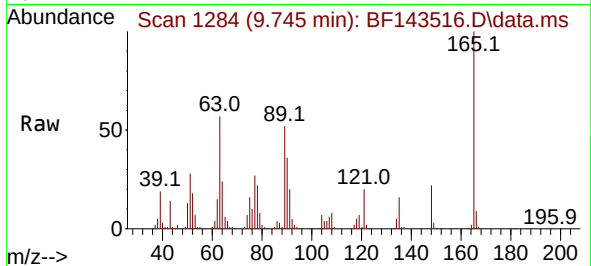




#51
2,6-Dinitrotoluene
Concen: 41.159 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

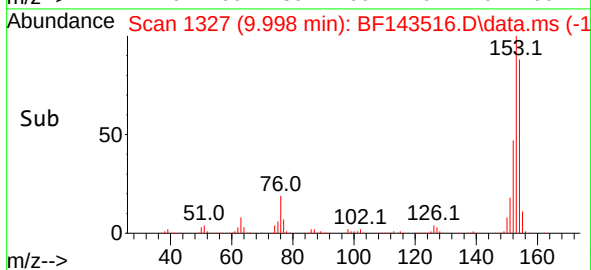
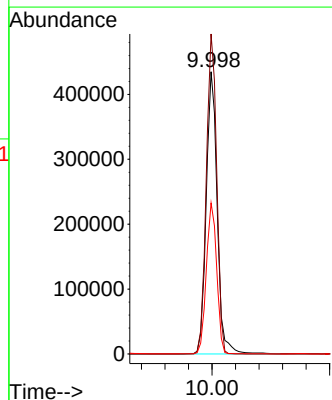
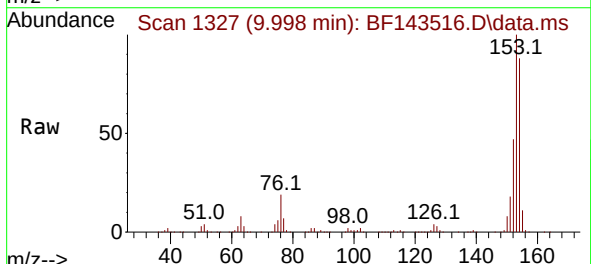
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

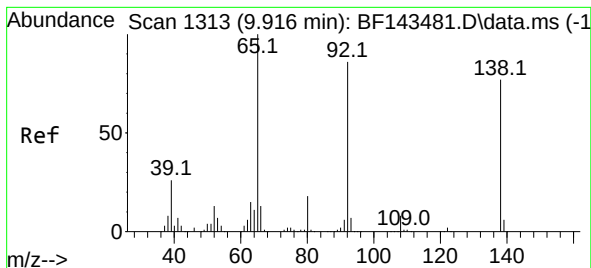
Tgt Ion:165 Resp: 141216
Ion Ratio Lower Upper
165 100
63 56.5 45.0 67.6
89 52.5 42.5 63.7



#52
Acenaphthene
Concen: 38.011 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:154 Resp: 565670
Ion Ratio Lower Upper
154 100
153 113.4 89.5 134.3
152 53.5 42.5 63.7





#53

3-Nitroaniline

Concen: 39.678 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

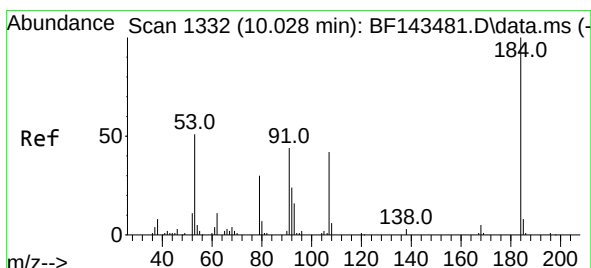
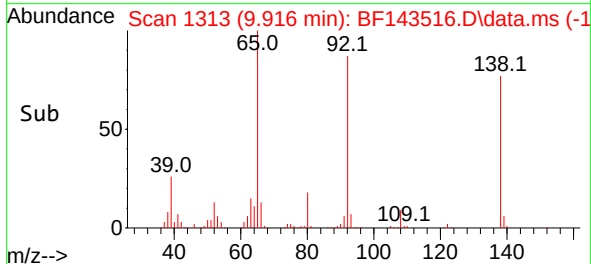
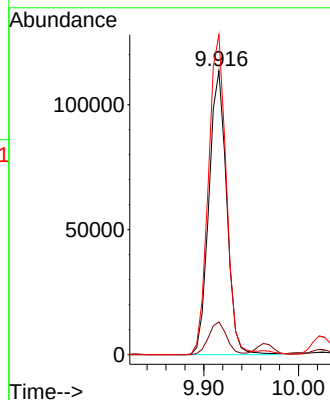
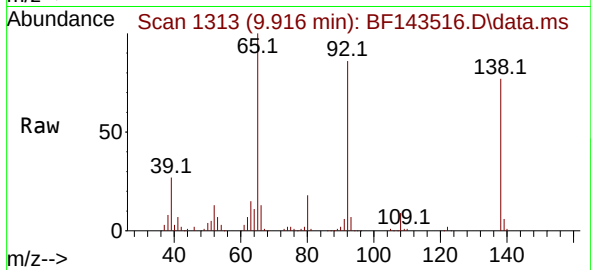
Tgt Ion:138 Resp: 147101

Ion Ratio Lower Upper

138 100

108 11.6 8.6 13.0

92 112.7 89.8 134.8



#54

2,4-Dinitrophenol

Concen: 28.170 ng

RT: 10.022 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

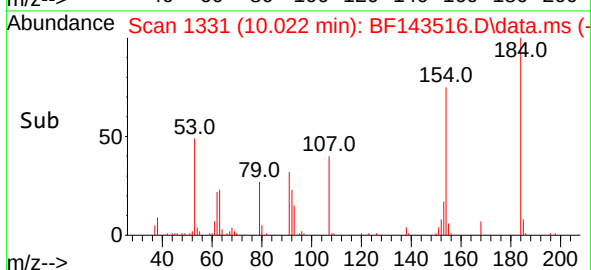
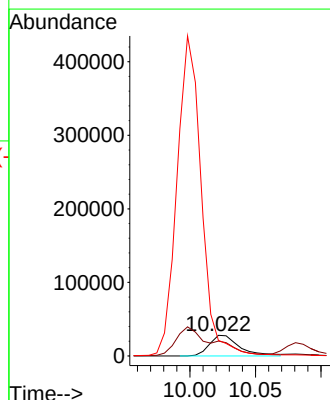
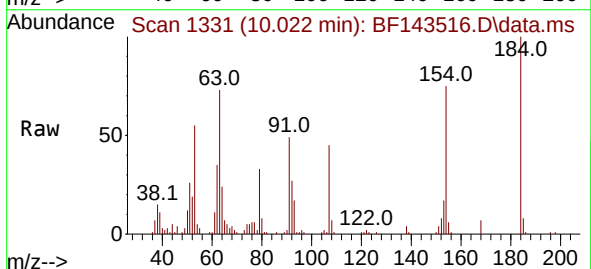
Tgt Ion:184 Resp: 44950

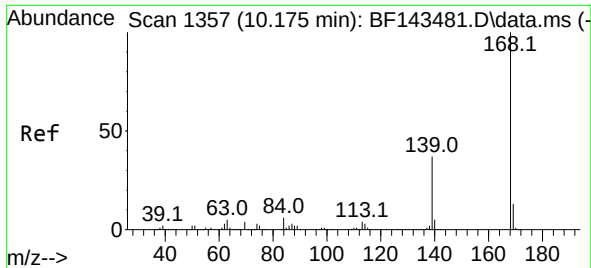
Ion Ratio Lower Upper

184 100

63 72.5 52.6 78.8

154 74.9 51.0 76.4

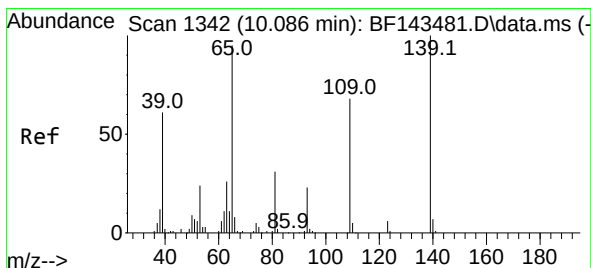
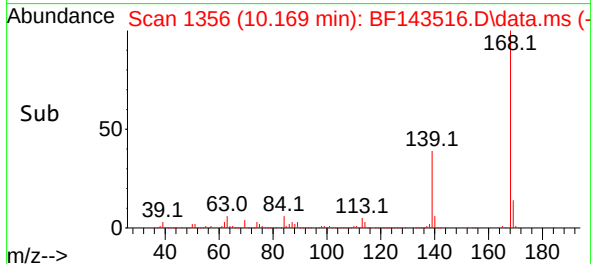
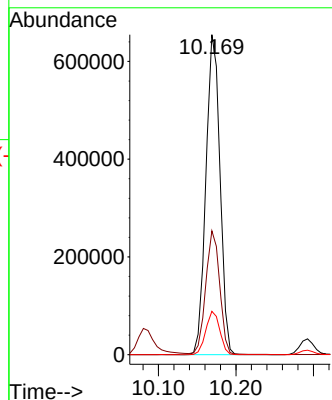
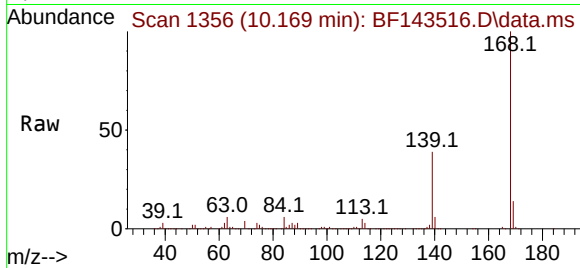




#55
Dibenzenofuran
Concen: 38.919 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

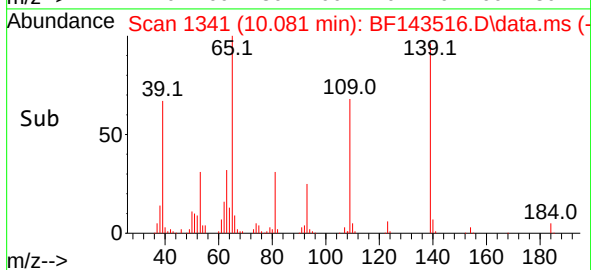
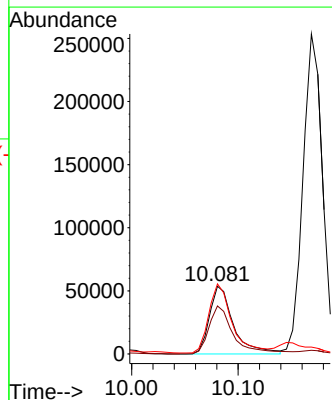
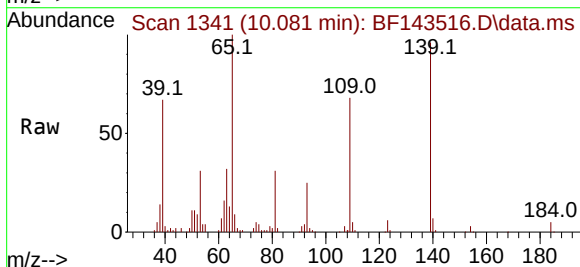
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

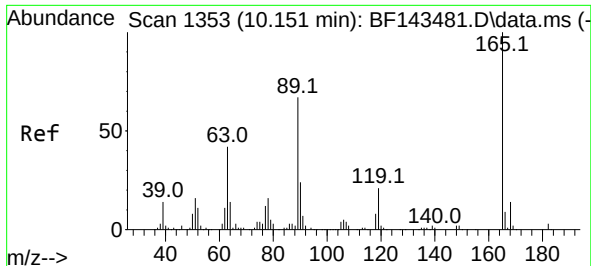
Tgt Ion:168 Resp: 825740
Ion Ratio Lower Upper
168 100
139 38.7 29.8 44.6
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 38.203 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

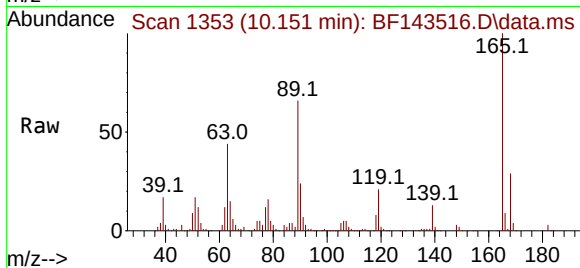
Tgt Ion:139 Resp: 84274
Ion Ratio Lower Upper
139 100
109 71.0 48.2 88.2
65 103.7 75.8 115.8



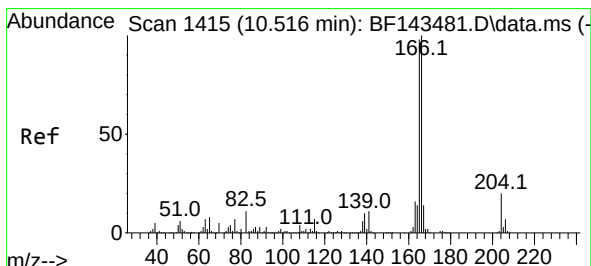
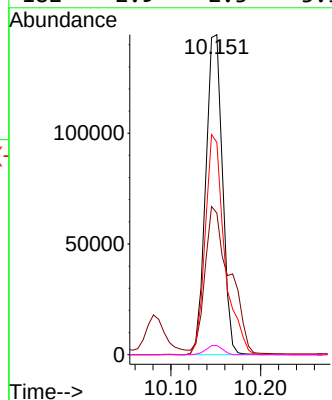
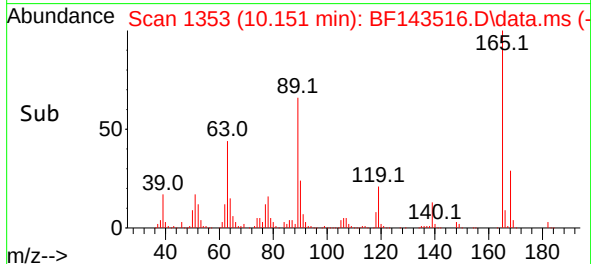


#57
2,4-Dinitrotoluene
Concen: 40.880 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

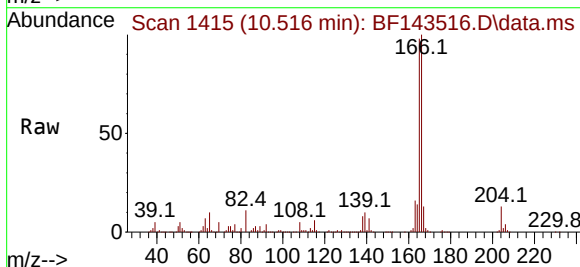
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



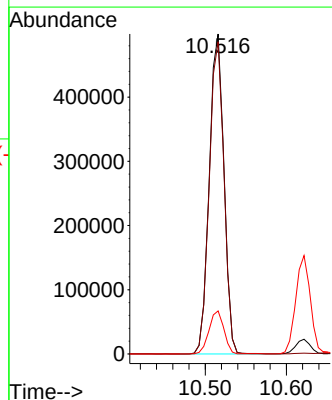
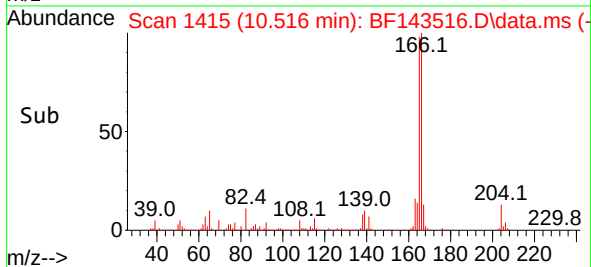
Tgt Ion:165 Resp: 187283
Ion Ratio Lower Upper
165 100
63 44.2 34.9 52.3
89 66.4 53.3 79.9
182 2.9 2.3 3.5

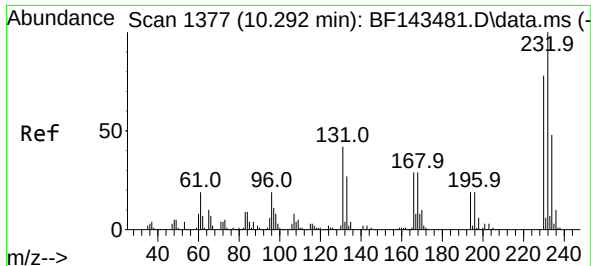


#58
Fluorene
Concen: 38.288 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44



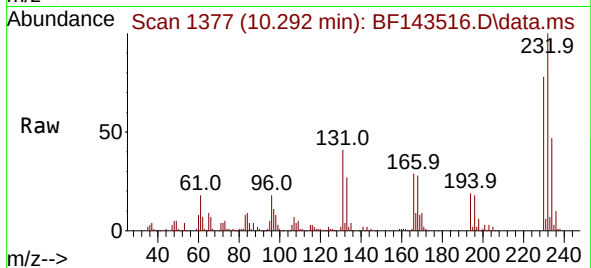
Tgt Ion:166 Resp: 625227
Ion Ratio Lower Upper
166 100
165 97.6 78.3 117.5
167 13.4 11.0 16.4



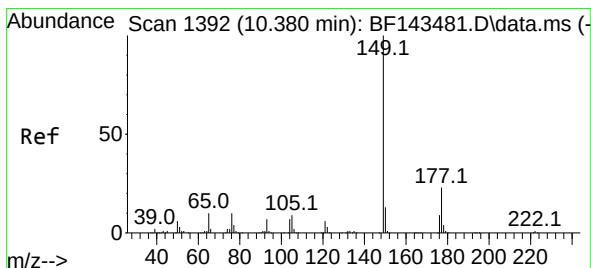
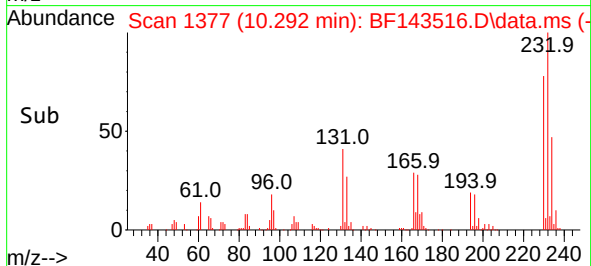
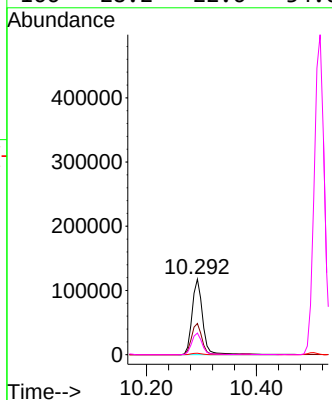


#59
2,3,4,6-Tetrachlorophenol
Concen: 40.017 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

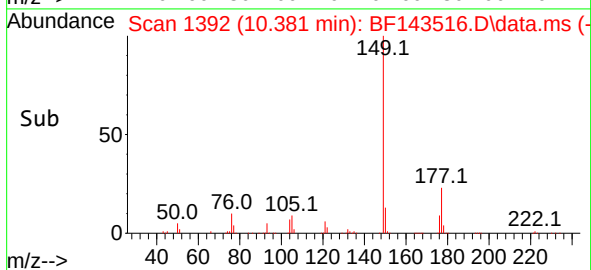
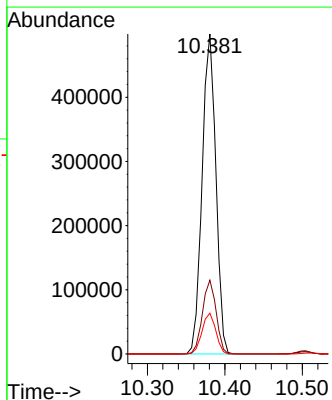
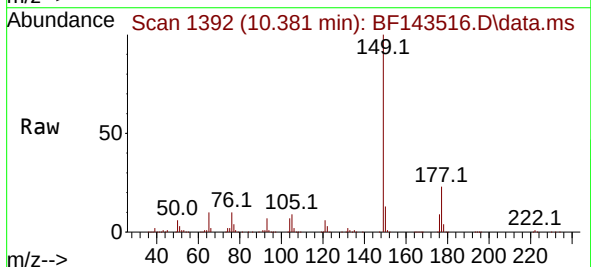


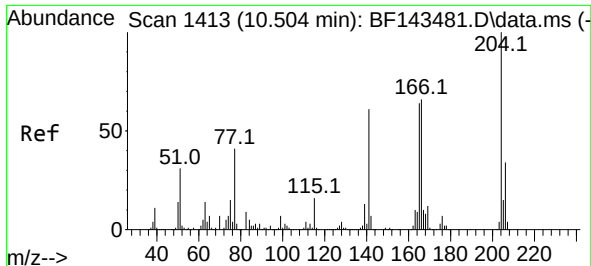
Tgt Ion:232 Resp: 157108
Ion Ratio Lower Upper
232 100
131 41.1 32.7 49.1
130 1.9 1.6 2.4
166 28.2 22.6 34.0



#60
Diethylphthalate
Concen: 41.355 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:149 Resp: 613793
Ion Ratio Lower Upper
149 100
177 23.0 18.3 27.5
150 12.7 10.3 15.5

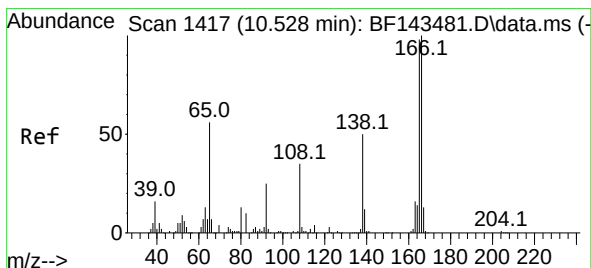
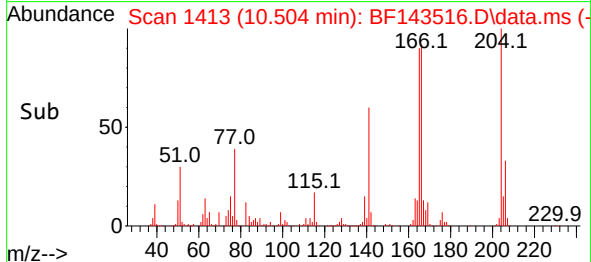
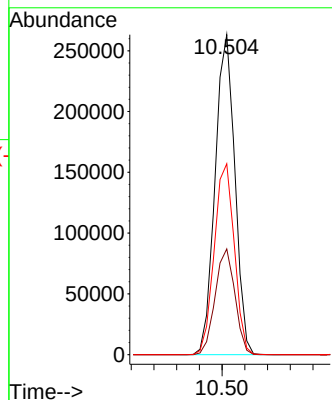
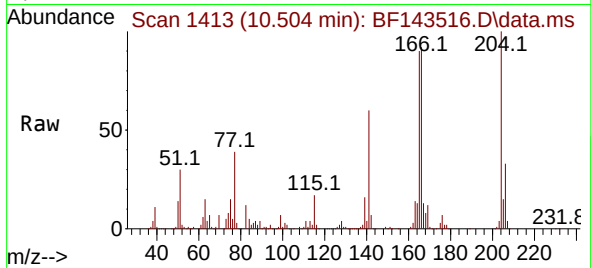




#61
4-Chlorophenyl-phenylether
Concen: 38.987 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

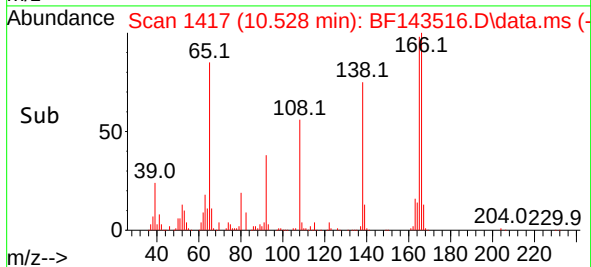
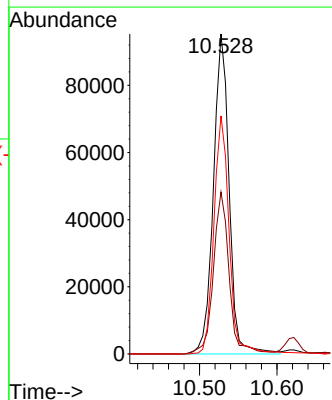
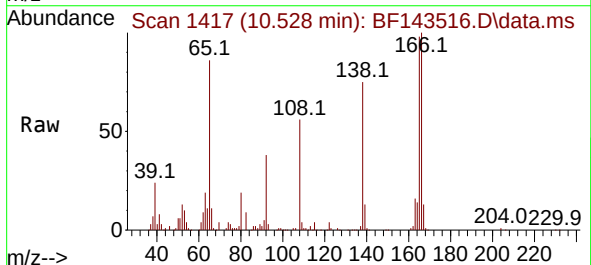
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

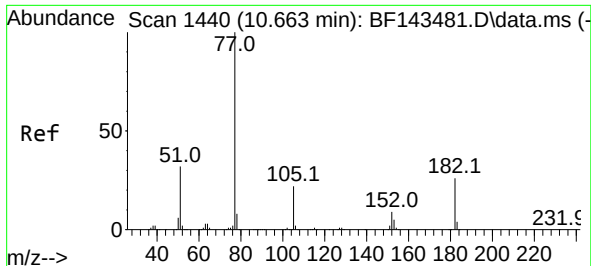
Tgt Ion:204 Resp: 318396
Ion Ratio Lower Upper
204 100
206 33.1 27.0 40.4
141 59.6 48.7 73.1



#62
4-Nitroaniline
Concen: 39.506 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:138 Resp: 134532
Ion Ratio Lower Upper
138 100
92 50.6 29.3 69.3
108 74.4 50.7 90.7

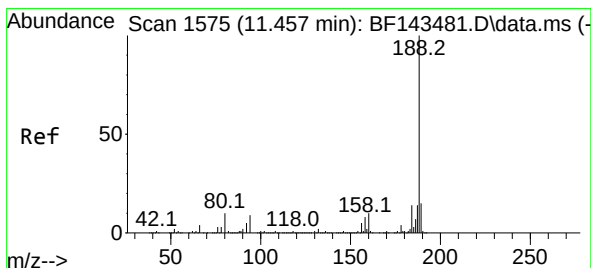
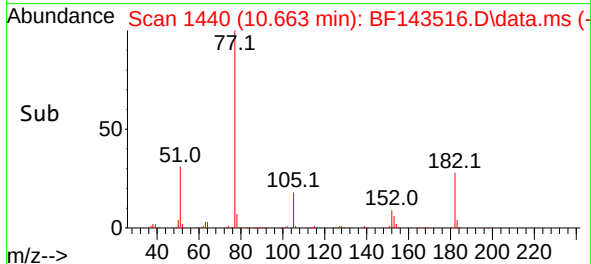
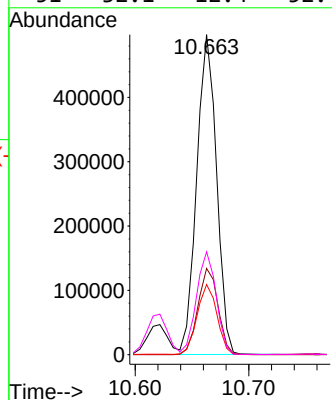
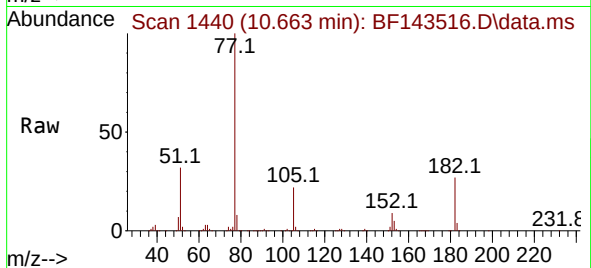




#63
Azobenzene
Concen: 39.155 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

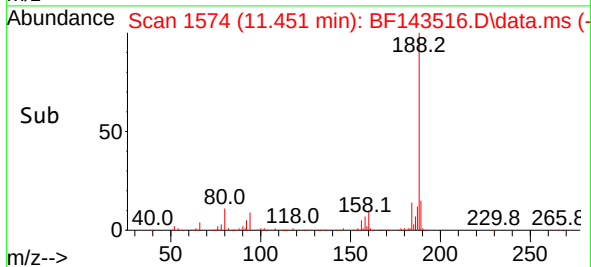
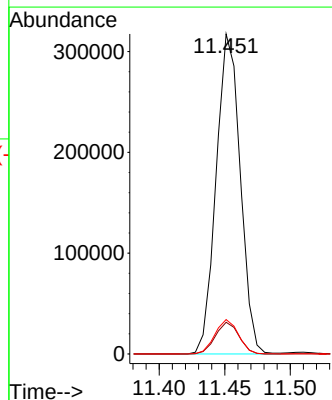
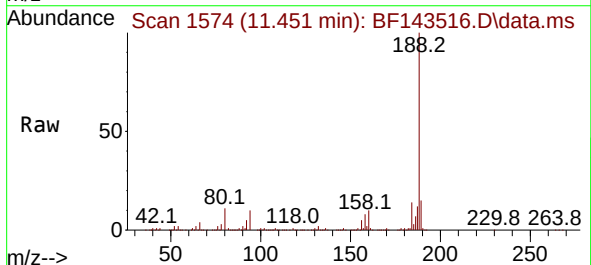
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

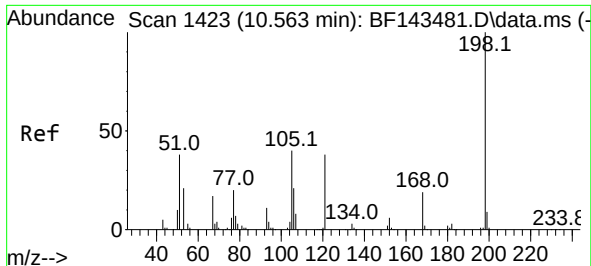
Tgt Ion: 77	Resp: 602578
Ion Ratio	Lower Upper
77 100	
182 27.0	6.2 46.2
105 21.9	2.2 42.2
51 32.1	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:188	Resp: 405205
Ion Ratio	Lower Upper
188 100	
94 9.9	7.4 11.2
80 10.8	8.2 12.4

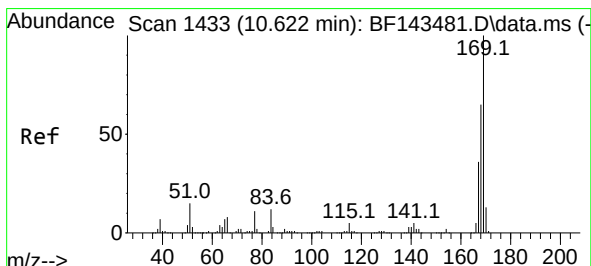
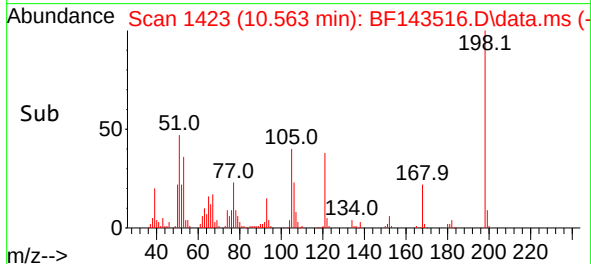
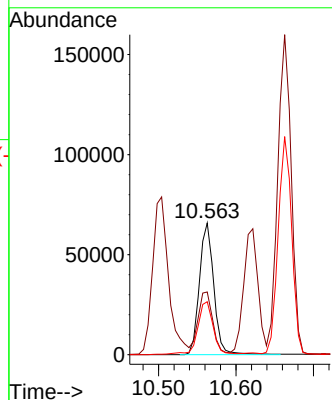
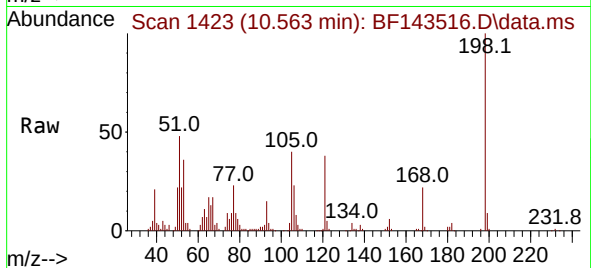




#65
4,6-Dinitro-2-methylphenol
Concen: 37.226 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

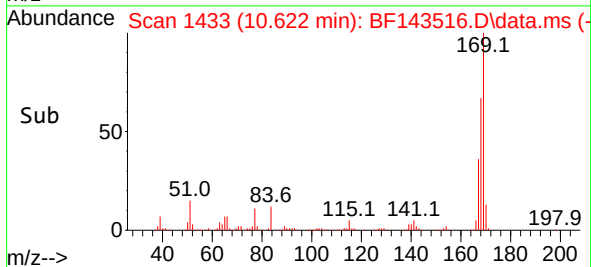
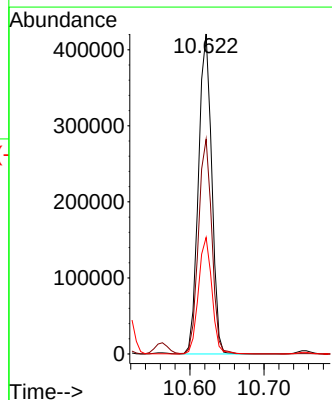
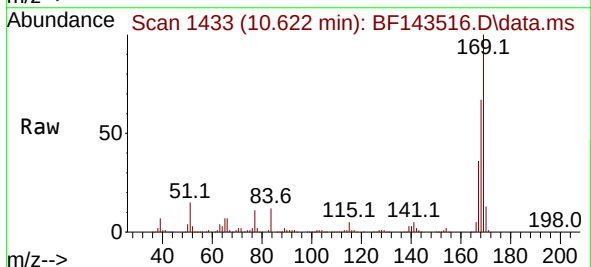
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

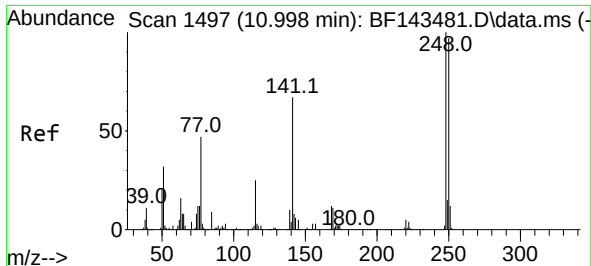
Tgt Ion:198 Resp: 85050
Ion Ratio Lower Upper
198 100
51 47.7 29.6 69.6
105 40.2 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 40.062 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:169 Resp: 522417
Ion Ratio Lower Upper
169 100
168 67.1 52.4 78.6
167 36.4 28.9 43.3

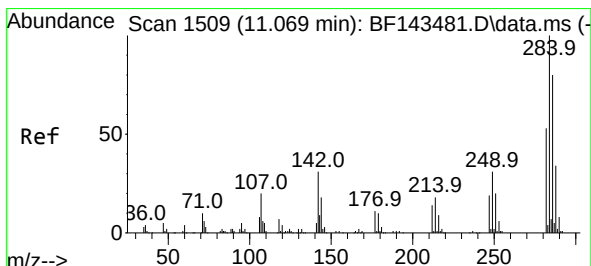
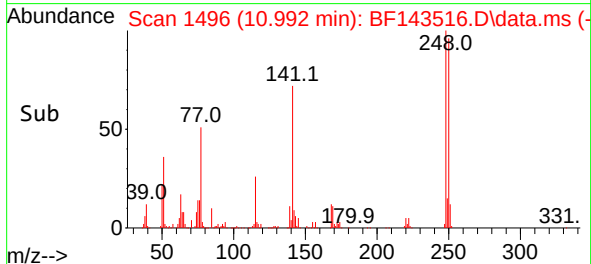
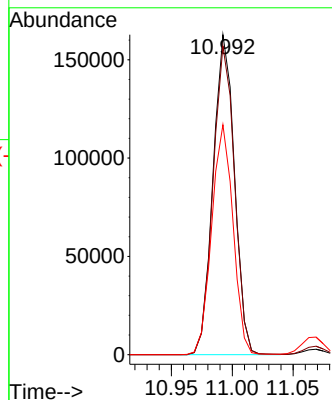
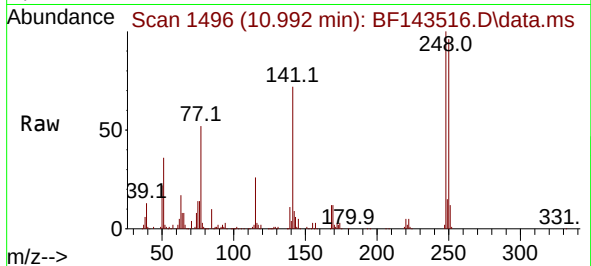




#67
4-Bromophenyl-phenylether
Concen: 41.154 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

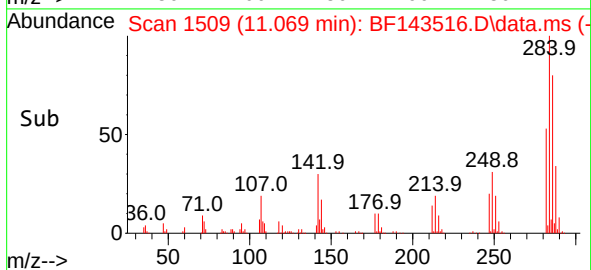
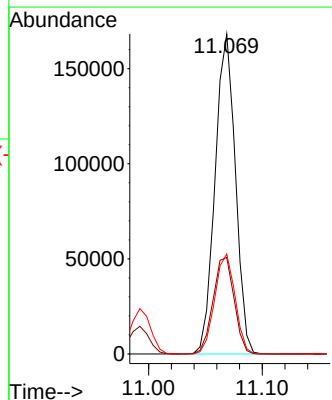
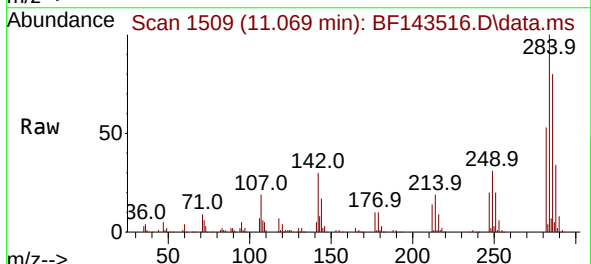
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

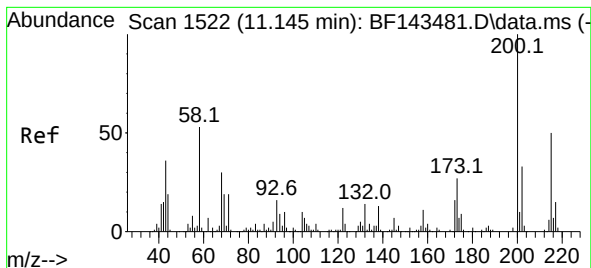
Tgt Ion:	248	Resp:	198971
Ion Ratio	Lower	Upper	
248	100		
250	96.5	77.8	116.8
141	71.9	54.0	81.0



#68
Hexachlorobenzene
Concen: 40.112 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:	284	Resp:	209043
Ion Ratio	Lower	Upper	
284	100		
142	30.2	24.4	36.6
249	31.2	25.0	37.6





#69

Atrazine

Concen: 45.568 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

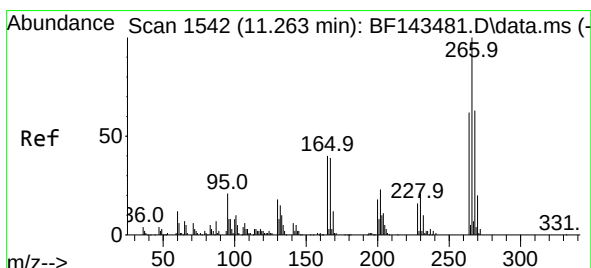
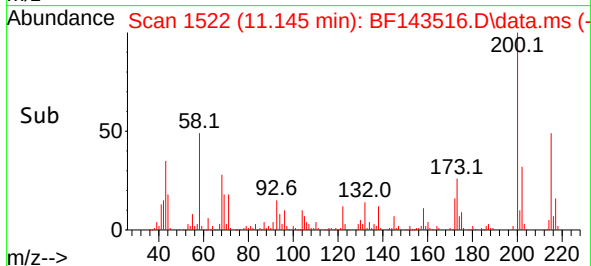
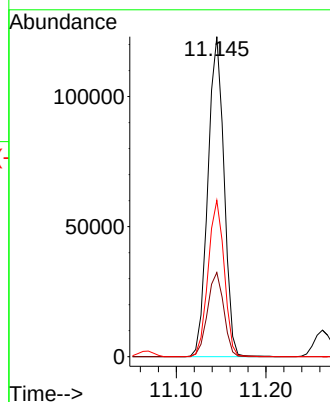
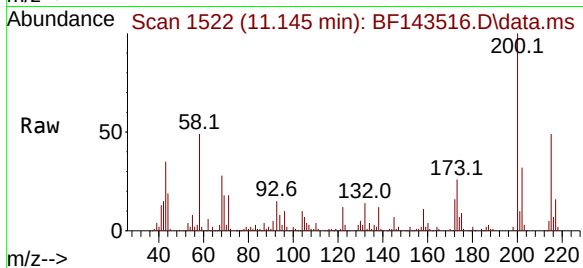
Tgt Ion:200 Resp: 153390

Ion Ratio Lower Upper

200 100

173 26.3 6.9 46.9

215 48.9 30.0 70.0



#70

Pentachlorophenol

Concen: 38.100 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

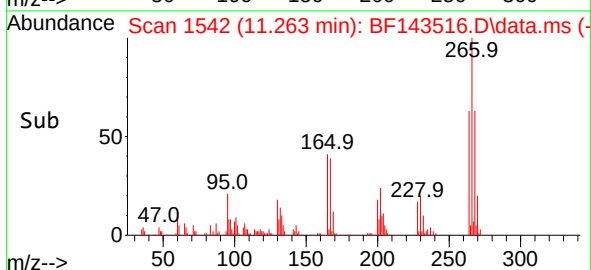
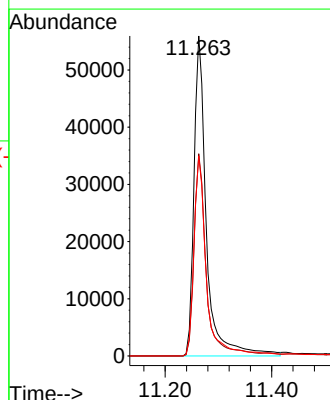
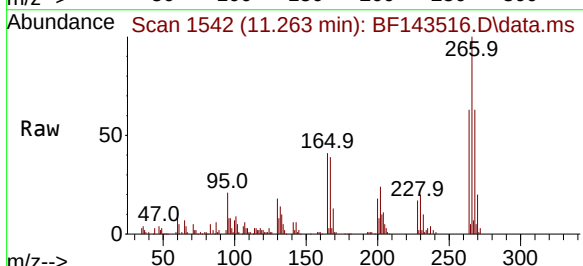
Tgt Ion:266 Resp: 90936

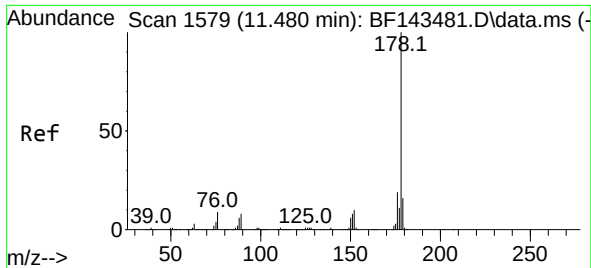
Ion Ratio Lower Upper

266 100

268 63.2 50.5 75.7

264 62.5 49.8 74.8

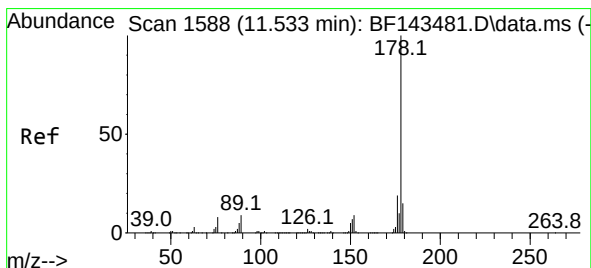
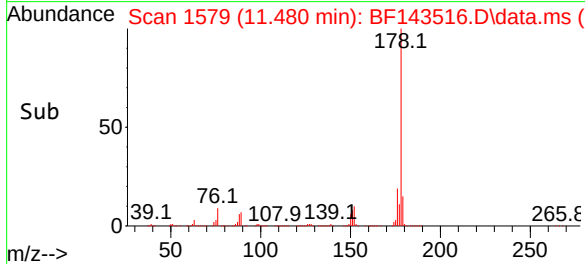
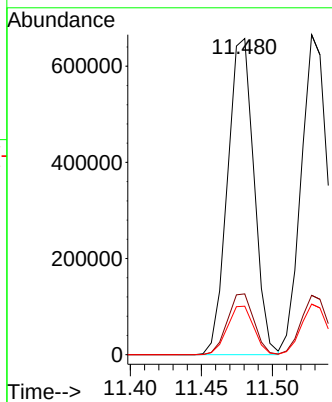
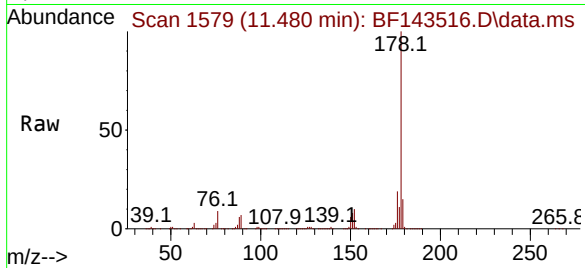




#71
Phenanthrene
Concen: 39.223 ng
RT: 11.480 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

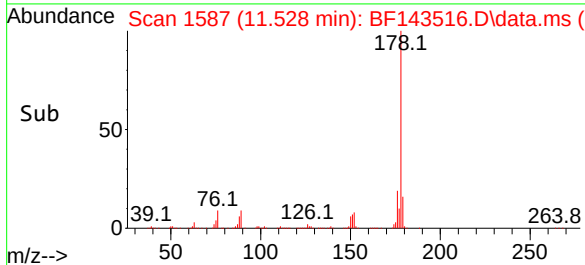
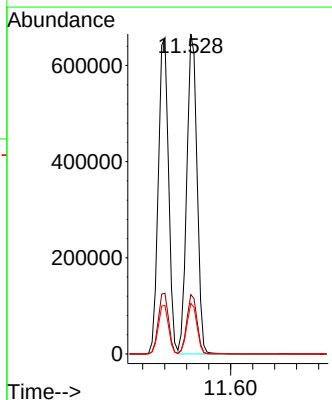
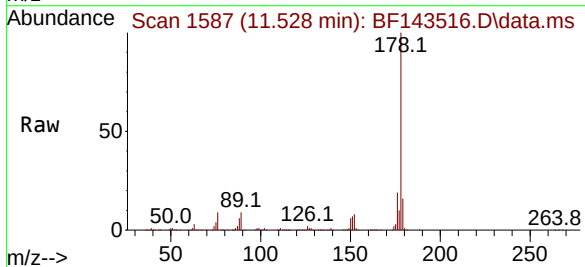
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

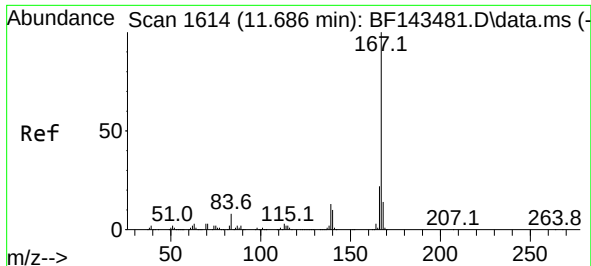
Tgt Ion:178 Resp: 851106
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.5 18.7



#72
Anthracene
Concen: 39.146 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:178 Resp: 860520
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.8 12.3 18.5

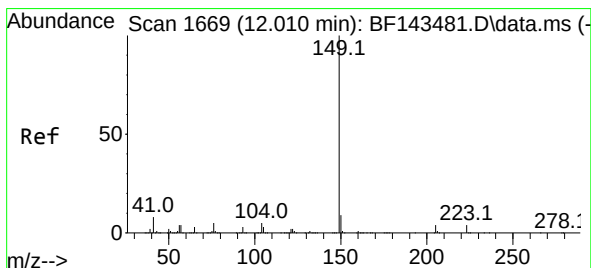
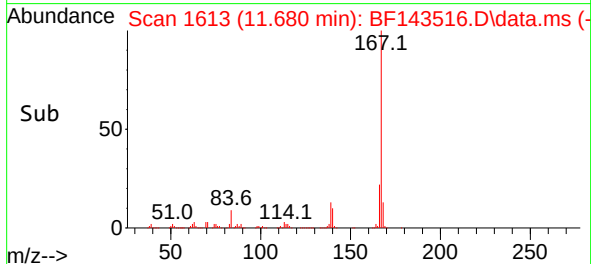
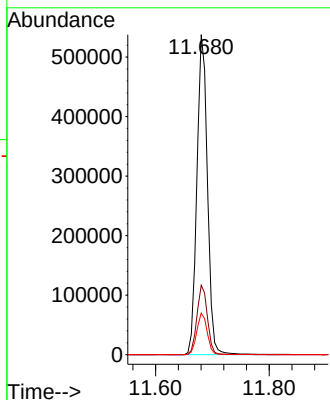
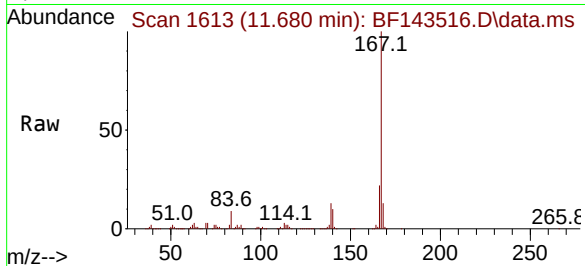




#73
Carbazole
Concen: 38.707 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

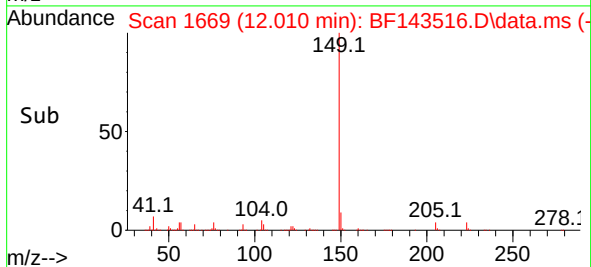
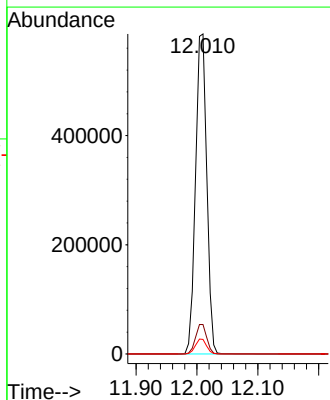
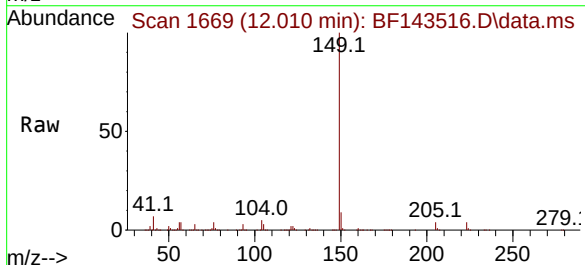
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

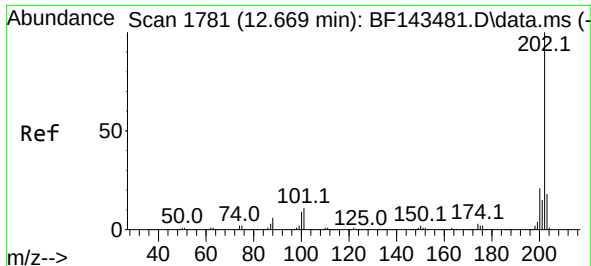
Tgt Ion:167 Resp: 697205
Ion Ratio Lower Upper
167 100
166 21.7 17.3 25.9
139 13.0 10.0 15.0



#74
Di-n-butylphthalate
Concen: 44.721 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:149 Resp: 751456
Ion Ratio Lower Upper
149 100
150 9.2 7.2 10.8
104 4.5 3.6 5.4

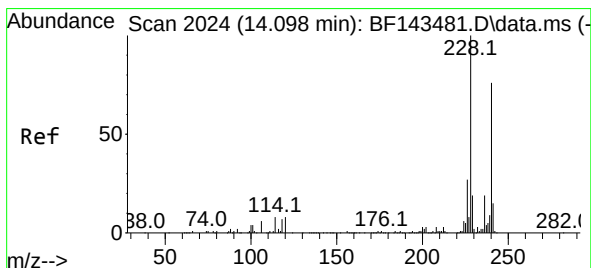
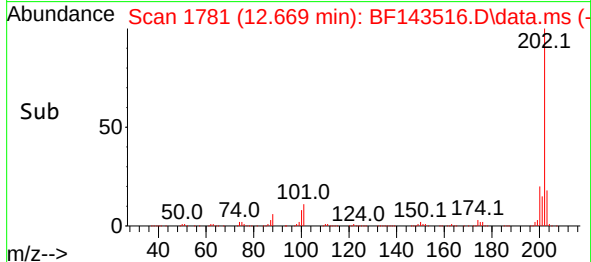
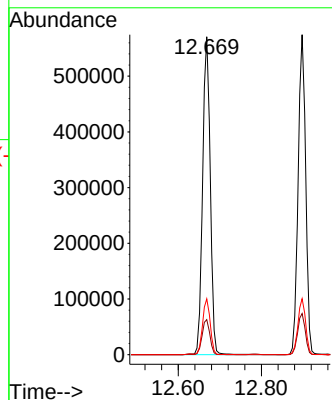
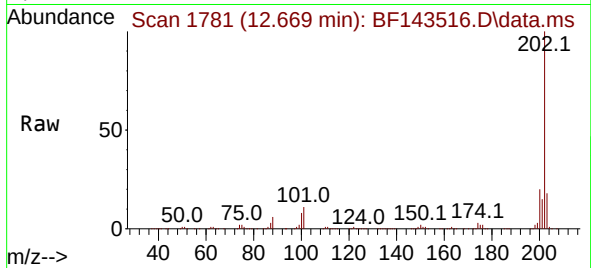




#75
Fluoranthene
Concen: 37.338 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

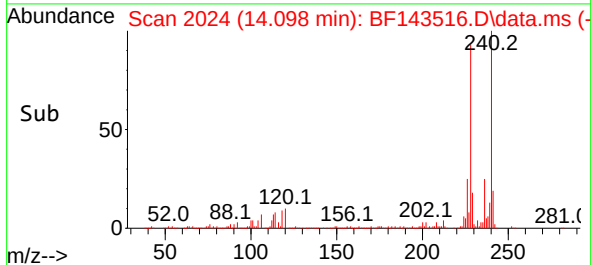
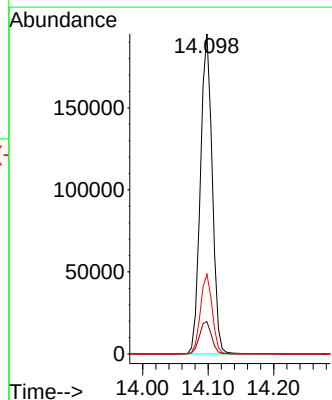
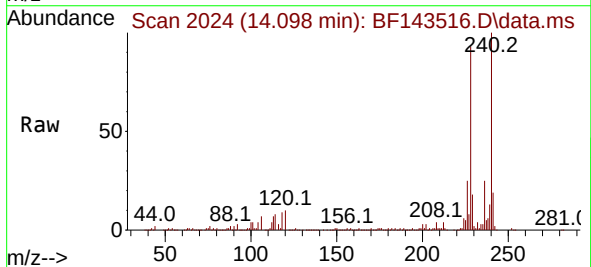
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

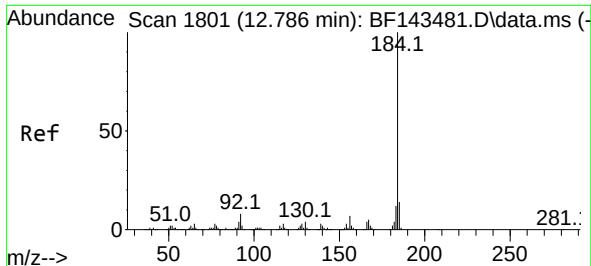
Tgt Ion:202 Resp: 726991
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:240 Resp: 245385
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 24.9 20.4 30.6

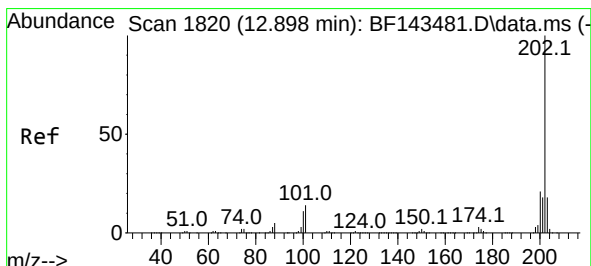
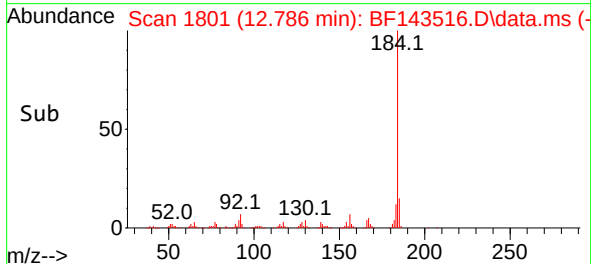
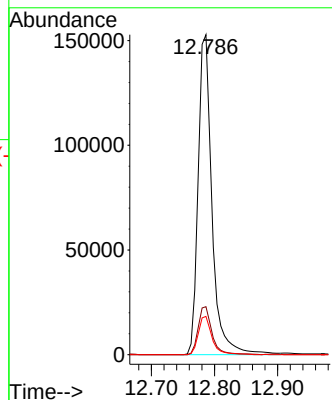
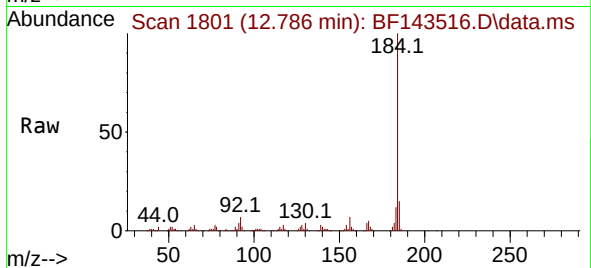




#77
Benzidine
Concen: 39.014 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

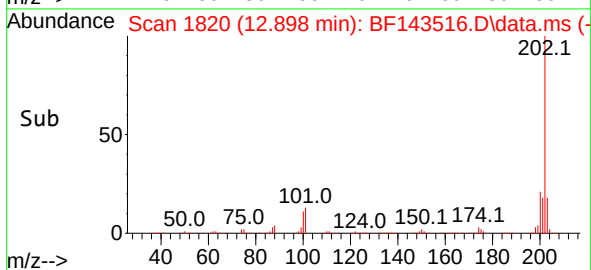
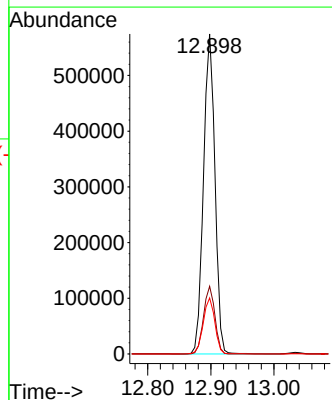
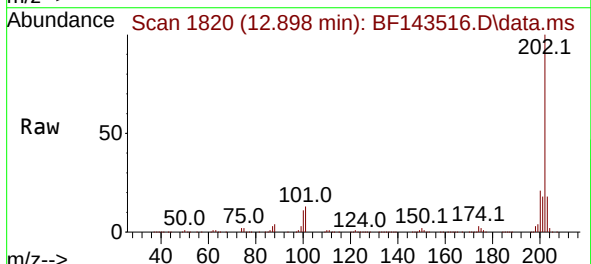
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

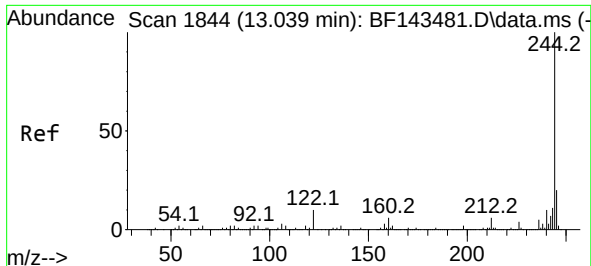
Tgt Ion:184 Resp: 233194
Ion Ratio Lower Upper
184 100
185 15.0 11.3 16.9
183 11.9 9.5 14.3



#78
Pyrene
Concen: 35.848 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:202 Resp: 723572
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.5 14.3 21.5

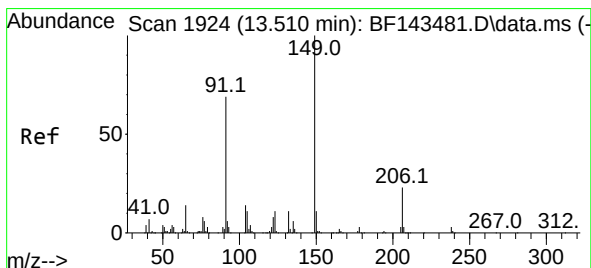
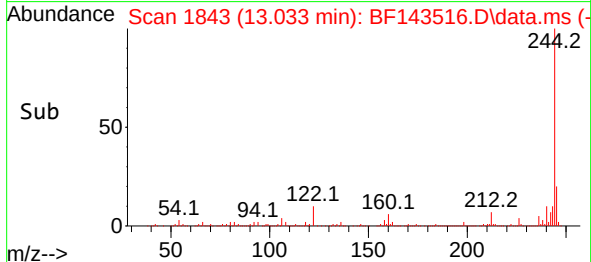
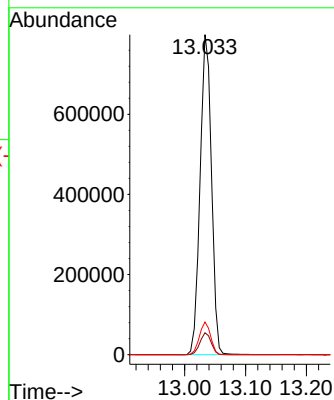
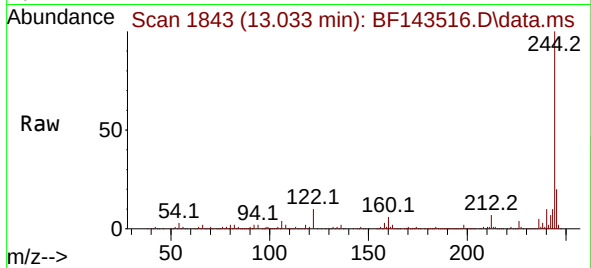




#79
 Terphenyl-d14
 Concen: 73.802 ng
 RT: 13.033 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143516.D
 Acq: 21 Aug 2025 06:44

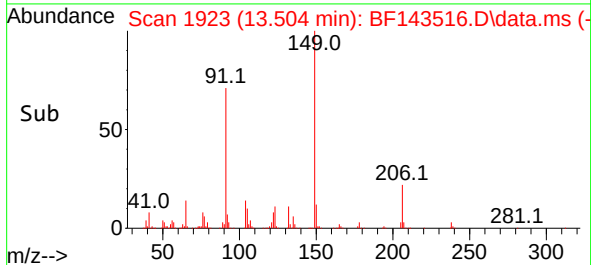
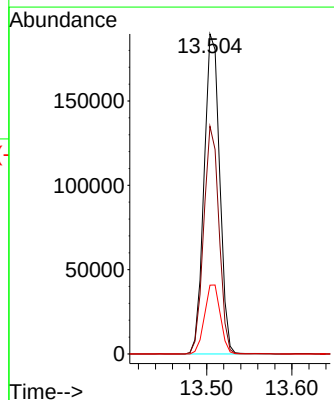
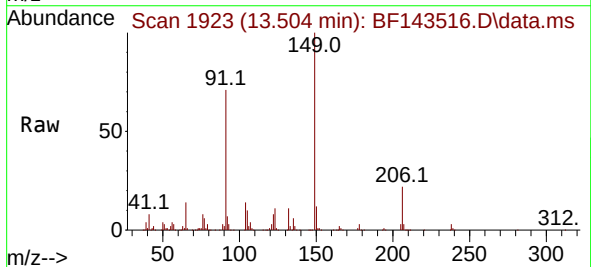
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

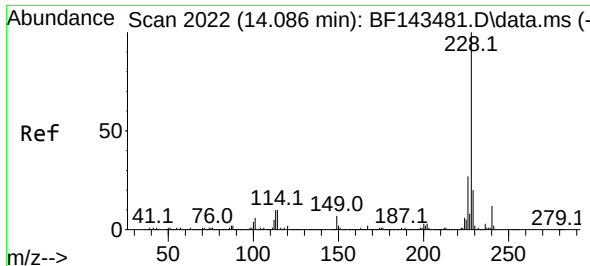
Tgt Ion:244 Resp: 1037790
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.2 7.8
 122 10.2 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 43.715 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.006 min
 Lab File: BF143516.D
 Acq: 21 Aug 2025 06:44

Tgt Ion:149 Resp: 241048
 Ion Ratio Lower Upper
 149 100
 91 71.1 55.3 82.9
 206 21.5 18.2 27.4

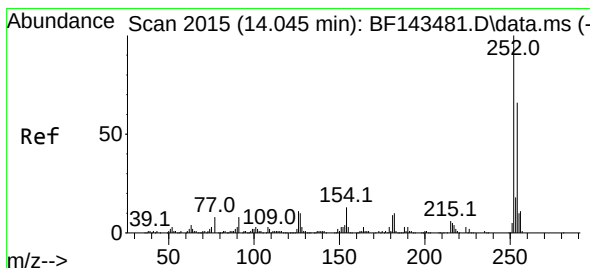
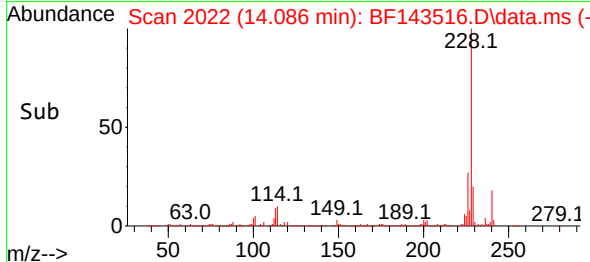
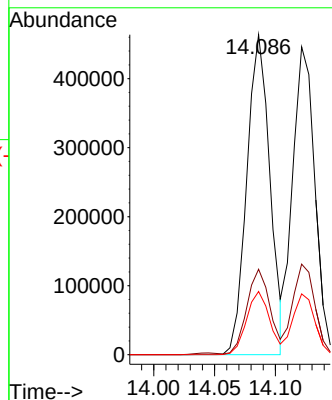
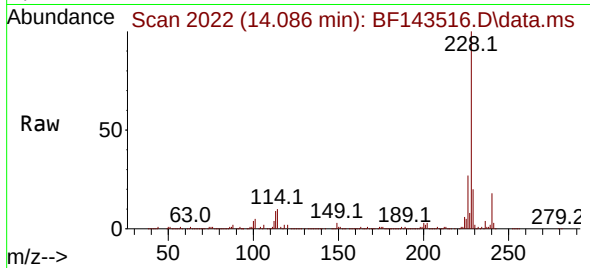




#81
Benzo(a)anthracene
Concen: 38.789 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

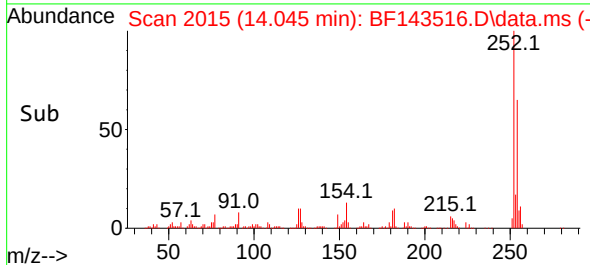
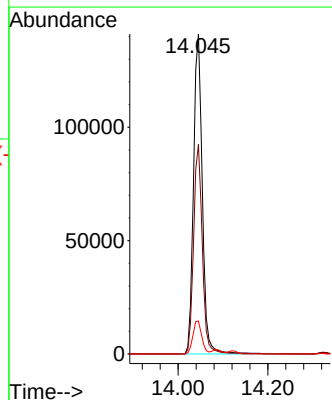
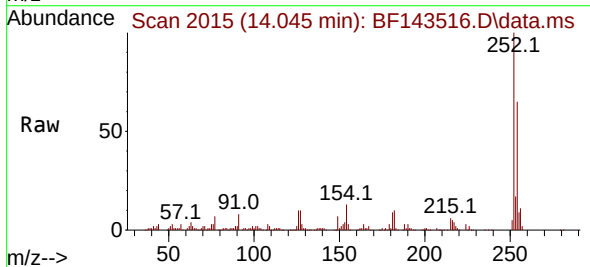
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

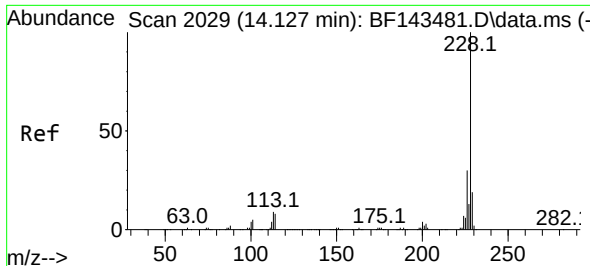
Tgt Ion:228 Resp: 612793
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.8 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 42.571 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:252 Resp: 192601
Ion Ratio Lower Upper
252 100
254 65.5 52.6 79.0
126 10.3 8.7 13.1

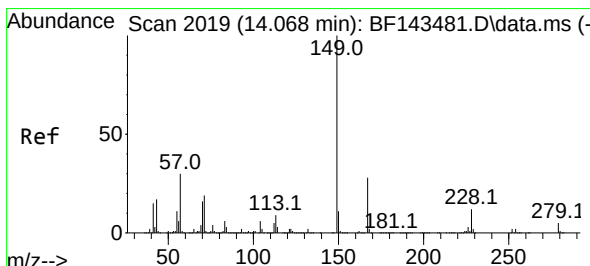
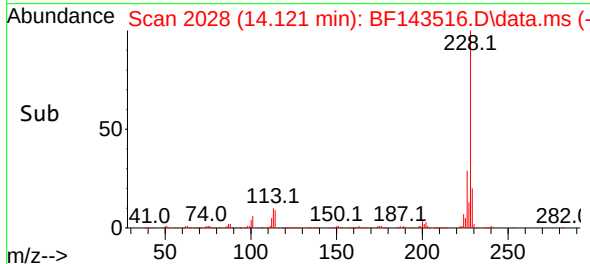
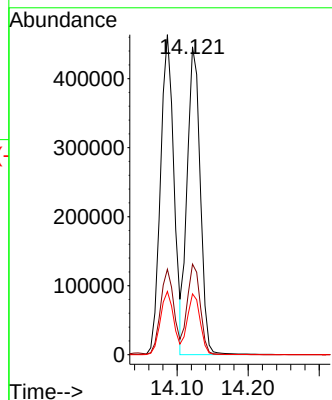
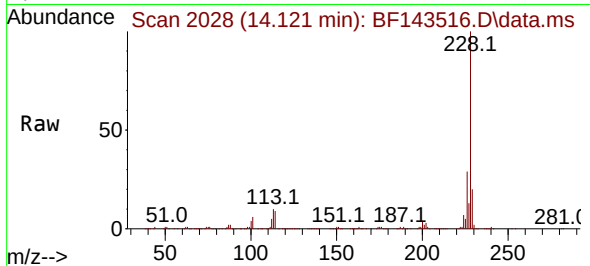




#83
Chrysene
Concen: 40.110 ng
RT: 14.121 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

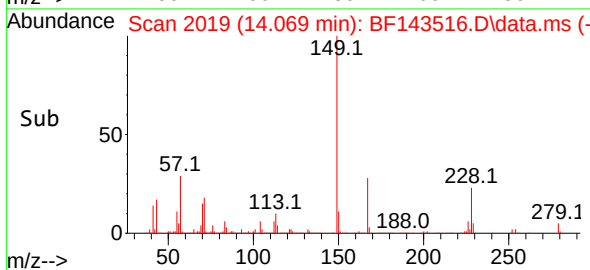
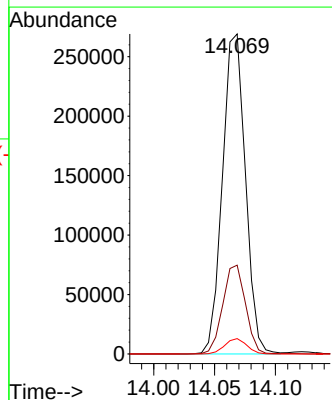
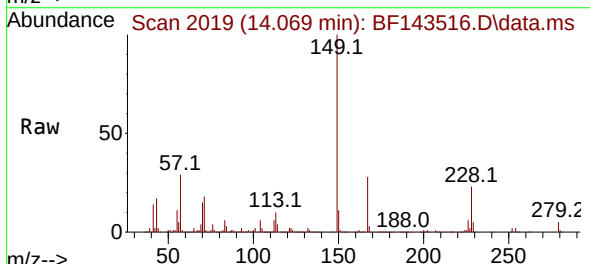
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

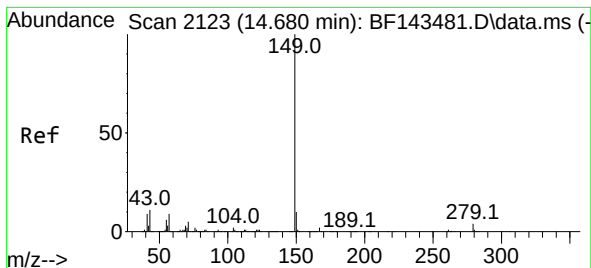
Tgt Ion:228 Resp: 569457
Ion Ratio Lower Upper
228 100
226 29.4 23.7 35.5
229 19.7 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.100 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:149 Resp: 353573
Ion Ratio Lower Upper
149 100
167 27.7 22.2 33.2
279 4.8 3.6 5.4

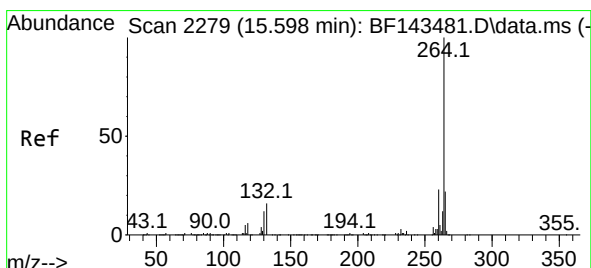
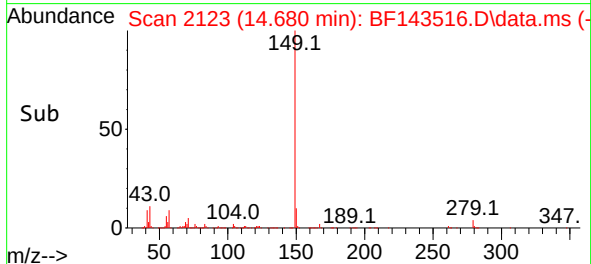
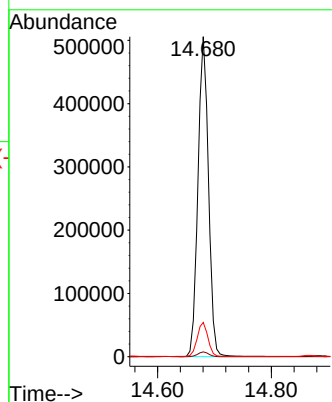
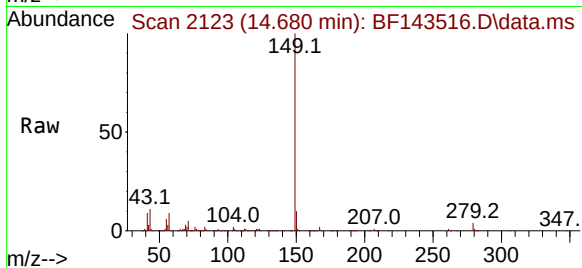




#85
Di-n-octyl phthalate
Concen: 42.003 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

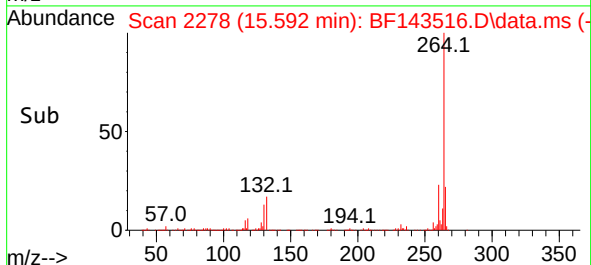
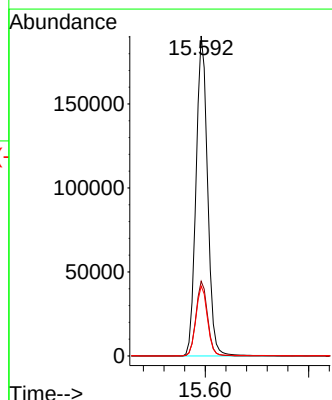
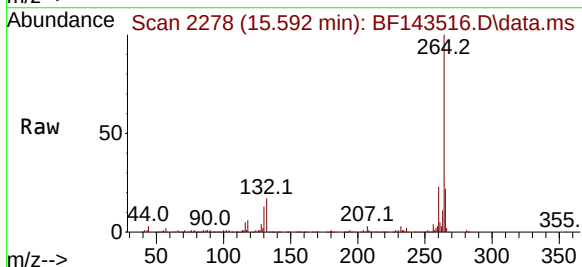
Instrument :
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ClientSampleId :
SSTDCCC040EC

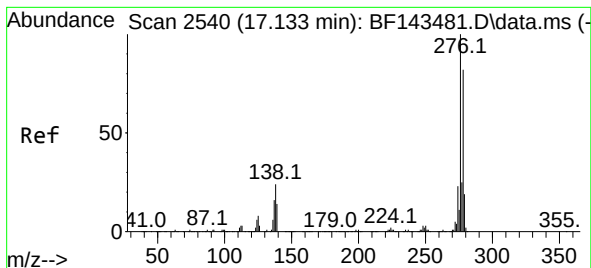
Tgt Ion:149 Resp: 653491
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.8 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:264 Resp: 295910
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.9 17.6 26.4

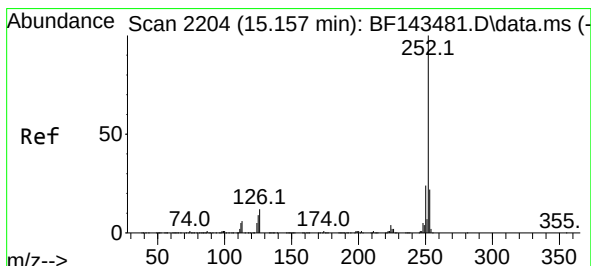
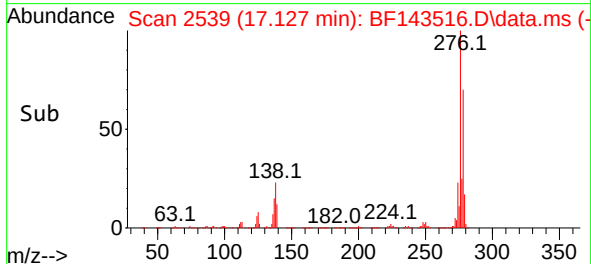
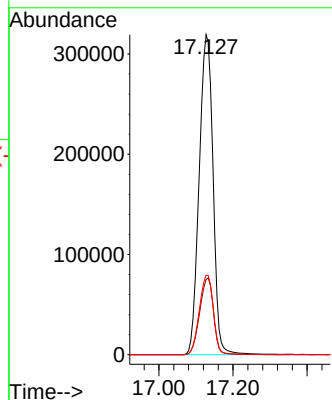
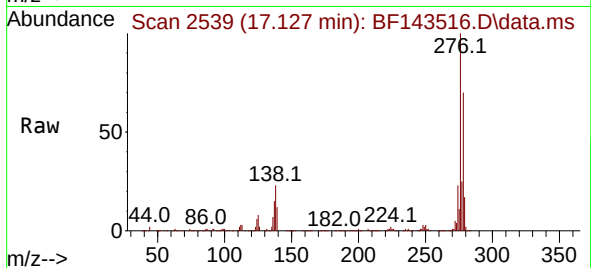




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.018 ng
RT: 17.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

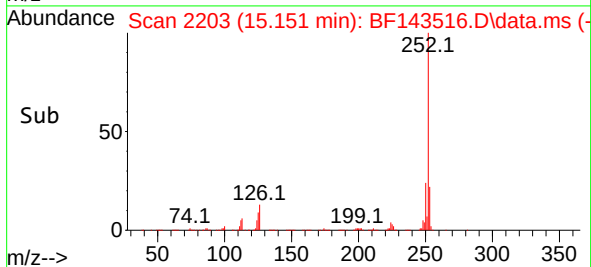
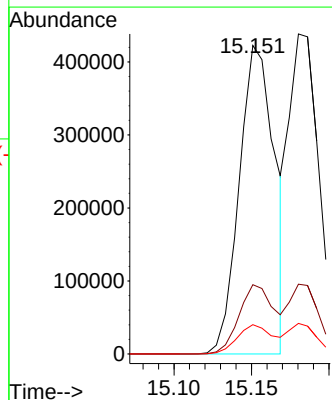
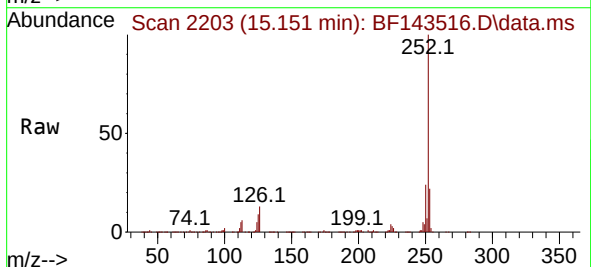
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

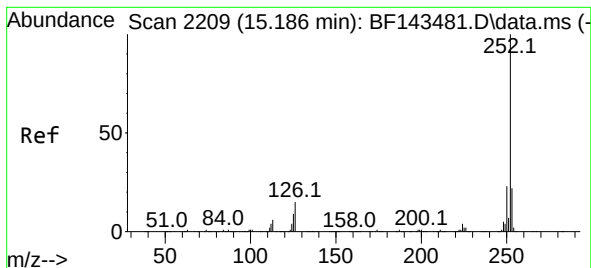
Tgt Ion:276 Resp: 829688
Ion Ratio Lower Upper
276 100
138 23.9 19.2 28.8
277 25.2 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 40.852 ng
RT: 15.151 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:252 Resp: 671954
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 9.5 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 37.893 ng

RT: 15.180 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

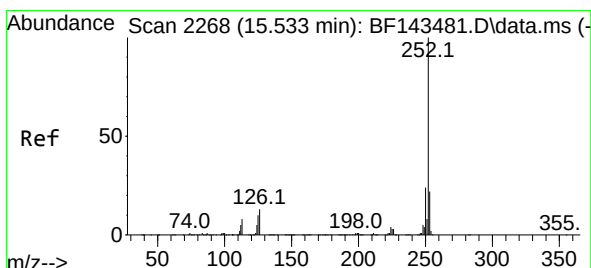
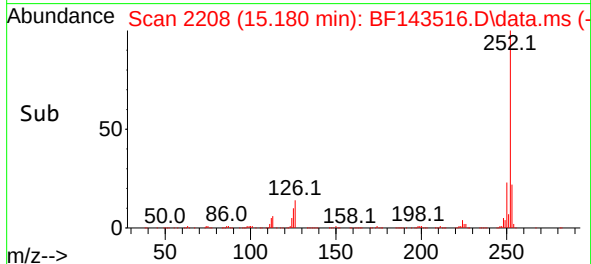
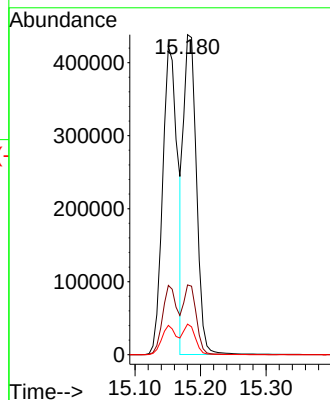
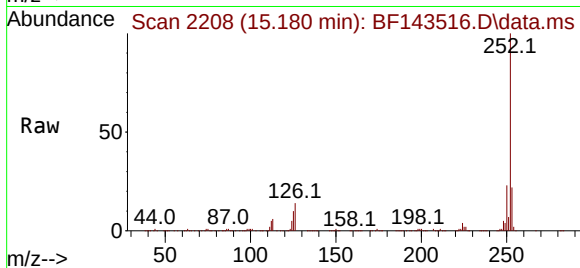
Tgt Ion:252 Resp: 596771

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 9.6 7.4 11.0



#90

Benzo(a)pyrene

Concen: 40.175 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

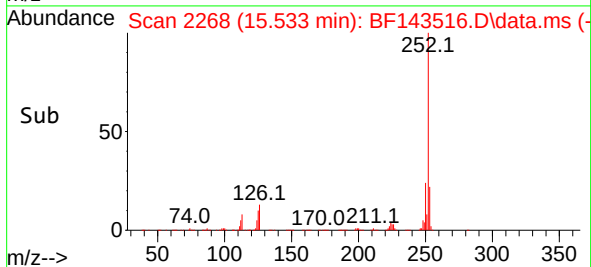
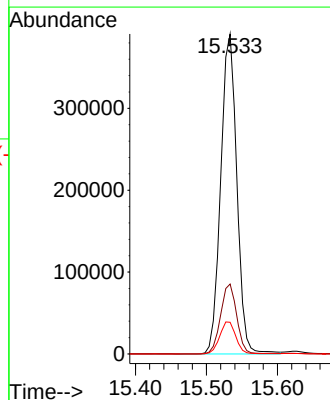
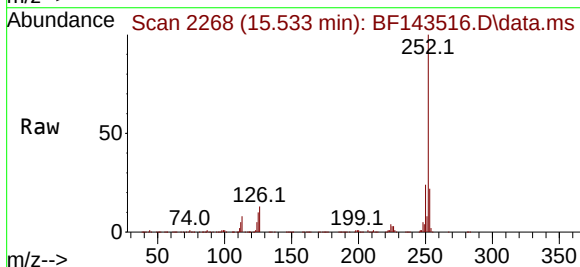
Tgt Ion:252 Resp: 613387

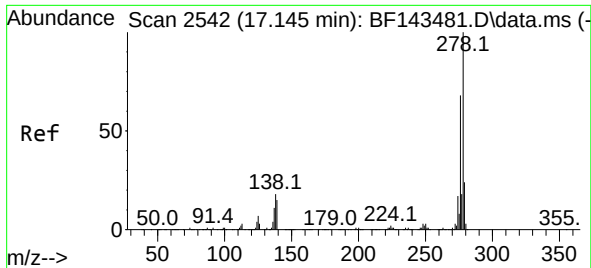
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.9 8.2 12.2

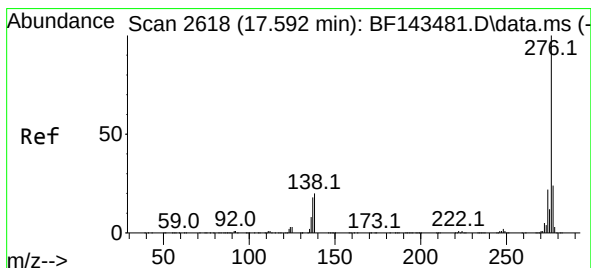
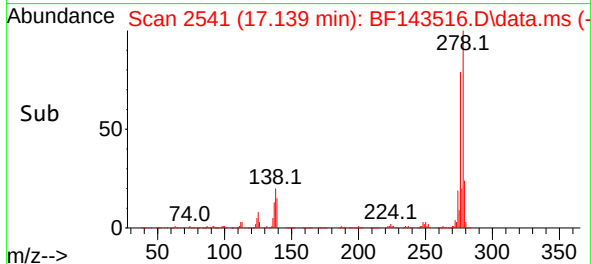
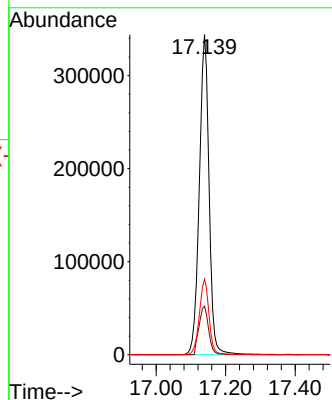
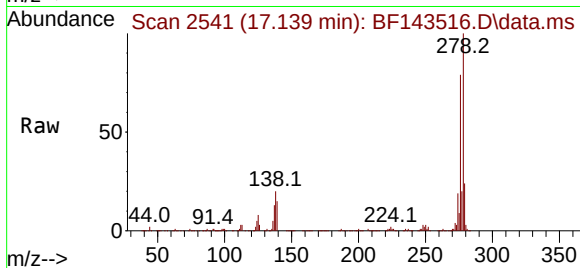




#91
Dibenzo(a,h)anthracene
Concen: 39.400 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

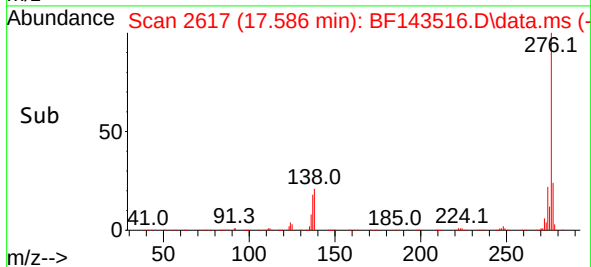
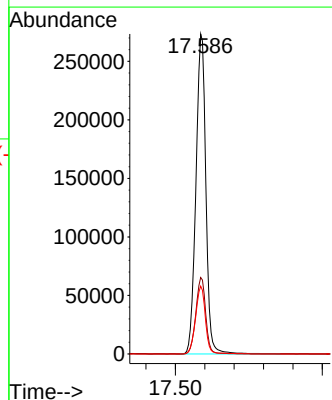
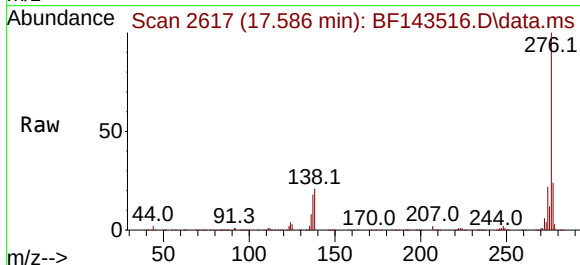
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 670989
Ion Ratio Lower Upper
278 100
139 15.1 12.1 18.1
279 23.6 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 37.945 ng
RT: 17.586 min Scan# 2617
Delta R.T. -0.018 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:276 Resp: 642548
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 21.2 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	1,4-Dioxane	0.531	0.534	-0.6	99	0.00
3	Pyridine	1.413	1.423	-0.7	99	0.00
4	n-Nitrosodimethylamine	0.635	0.636	-0.2	99	-0.02
5 S	2-Fluorophenol	1.145	1.126	1.7	99	0.00
6	Aniline	1.890	1.835	2.9	97	0.00
7 S	Phenol-d6	1.414	1.374	2.8	97	-0.01
8	2-Chlorophenol	1.265	1.233	2.5	97	0.00
9	Benzaldehyde	1.145	1.296	-13.2	108	0.00
10 C	Phenol	1.629	1.615	0.9	98	0.00
11	bis(2-Chloroethyl)ether	1.217	1.190	2.2	98	0.00
12	1,3-Dichlorobenzene	1.421	1.391	2.1	98	0.00
13 C	1,4-Dichlorobenzene	1.426	1.385	2.9	98	0.00
14	1,2-Dichlorobenzene	1.350	1.317	2.4	97	0.00
15	Benzyl Alcohol	1.059	1.062	-0.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.881	3.4	96	0.00
17	2-Methylphenol	1.015	1.006	0.9	99	0.00
18	Hexachloroethane	0.485	0.476	1.9	97	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.835	3.4	99	-0.01
20	3+4-Methylphenols	1.212	1.199	1.1	98	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	98	0.00
22	Acetophenone	0.432	0.422	2.3	99	0.00
23 S	Nitrobenzene-d5	0.343	0.343	0.0	98	-0.01
24	Nitrobenzene	0.353	0.357	-1.1	98	0.00
25	Isophorone	0.628	0.628	0.0	99	-0.01
26 C	2-Nitrophenol	0.173	0.181	-4.6	100	0.00
27	2,4-Dimethylphenol	0.269	0.264	1.9	95	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.386	0.0	98	0.00
29 C	2,4-Dichlorophenol	0.288	0.287	0.3	97	0.00
30	1,2,4-Trichlorobenzene	0.296	0.294	0.7	98	0.00
31	Naphthalene	0.960	0.938	2.3	97	0.00
32	Benzoic acid	0.137	0.139	-1.5	93	-0.03
33	4-Chloroaniline	0.341	0.332	2.6	95	0.00
34 C	Hexachlorobutadiene	0.193	0.193	0.0	98	0.00
35	Caprolactam	0.069	0.076	-10.1	104	-0.02
36 C	4-Chloro-3-methylphenol	0.288	0.291	-1.0	99	0.00
37	2-Methylnaphthalene	0.641	0.622	3.0	96	0.00
38	1-Methylnaphthalene	0.613	0.593	3.3	96	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.565	1.2	97	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.166	9.8	81	0.00
42 S	2,4,6-Tribromophenol	0.186	0.181	2.7	94	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.350	0.6	94	0.00
44	2,4,5-Trichlorophenol	0.385	0.386	-0.3	98	0.00
45 S	2-Fluorobiphenyl	1.210	1.163	3.9	98	0.00
46	1,1'-Biphenyl	1.420	1.380	2.8	96	0.00
47	2-Chloronaphthalene	1.114	1.088	2.3	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143516.D
 Acq On : 21 Aug 2025 06:44
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.331	-1.5	96	0.00
49	Acenaphthylene	1.595	1.557	2.4	96	0.00
50	Dimethylphthalate	1.205	1.222	-1.4	99	0.00
51	2,6-Dinitrotoluene	0.250	0.257	-2.8	96	0.00
52 C	Acenaphthene	1.083	1.029	5.0	93	0.00
53	3-Nitroaniline	0.270	0.268	0.7	94	0.00
54 P	2,4-Dinitrophenol	0.115	0.082	28.7#	66	0.00
55	Dibenzofuran	1.544	1.502	2.7	96	0.00
56 P	4-Nitrophenol	0.161	0.153	5.0	87	0.00
57	2,4-Dinitrotoluene	0.333	0.341	-2.4	94	0.00
58	Fluorene	1.188	1.137	4.3	95	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.286	0.0	94	0.00
60	Diethylphthalate	1.080	1.117	-3.4	100	0.00
61	4-Chlorophenyl-phenylether	0.594	0.579	2.5	96	0.00
62	4-Nitroaniline	0.248	0.245	1.2	93	-0.01
63	Azobenzene	1.120	1.096	2.1	95	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.105	7.1	82	0.00
66 c	n-Nitrosodiphenylamine	0.644	0.645	-0.2	93	0.00
67	4-Bromophenyl-phenylether	0.239	0.246	-2.9	95	0.00
68	Hexachlorobenzene	0.257	0.258	-0.4	93	0.00
69	Atrazine	0.166	0.189	-13.9	105	0.00
70 C	Pentachlorophenol	0.118	0.112	5.1	84	0.00
71	Phenanthrene	1.071	1.050	2.0	94	0.00
72	Anthracene	1.085	1.062	2.1	92	0.00
73	Carbazole	0.889	0.860	3.3	91	0.00
74	Di-n-butylphthalate	0.829	0.927	-11.8	101	0.00
75 C	Fluoranthene	0.961	0.897	6.7	88	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77	Benzydine	0.487	0.475	2.5	90	0.00
78	Pyrene	1.645	1.474	10.4	89	0.00
79 S	Terphenyl-d14	1.146	1.057	7.8	92	0.00
80	Butylbenzylphthalate	0.449	0.491	-9.4	103	0.00
81	Benzo(a)anthracene	1.288	1.249	3.0	93	0.00
82	3,3'-Dichlorobenzidine	0.369	0.392	-6.2	103	0.00
83	Chrysene	1.157	1.160	-0.3	102	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.720	-5.1	100	0.00
85 c	Di-n-octyl phthalate	1.268	1.332	-5.0	101	0.00
86 I	Perylene-d12	1.000	1.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.402	2.4	99	-0.01
88	Benzo(b)fluoranthene	1.112	1.135	-2.1	109	0.00
89	Benzo(k)fluoranthene	1.064	1.008	5.3	96	-0.01
90 C	Benzo(a)pyrene	1.032	1.036	-0.4	103	0.00
91	Dibenzo(a,h)anthracene	1.151	1.134	1.5	100	-0.02
92	Benzo(g,h,i)perylene	1.145	1.086	5.2	96	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	100	0.00
2	1,4-Dioxane	40.000	40.266	-0.7	99	0.00
3	Pyridine	40.000	40.291	-0.7	99	0.00
4	n-Nitrosodimethylamine	40.000	40.055	-0.1	99	-0.02
5 S	2-Fluorophenol	80.000	78.639	1.7	99	0.00
6	Aniline	40.000	38.836	2.9	97	0.00
7 S	Phenol-d6	80.000	77.747	2.8	97	-0.01
8	2-Chlorophenol	40.000	38.991	2.5	97	0.00
9	Benzaldehyde	40.000	45.296	-13.2	108	0.00
10 C	Phenol	40.000	39.657	0.9	98	0.00
11	bis(2-Chloroethyl)ether	40.000	39.111	2.2	98	0.00
12	1,3-Dichlorobenzene	40.000	39.153	2.1	98	0.00
13 C	1,4-Dichlorobenzene	40.000	38.855	2.9	98	0.00
14	1,2-Dichlorobenzene	40.000	39.014	2.5	97	0.00
15	Benzyl Alcohol	40.000	40.117	-0.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.635	3.4	96	0.00
17	2-Methylphenol	40.000	39.635	0.9	99	0.00
18	Hexachloroethane	40.000	39.240	1.9	97	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.648	3.4	99	-0.01
20	3+4-Methylphenols	40.000	39.557	1.1	98	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	98	0.00
22	Acetophenone	40.000	39.094	2.3	99	0.00
23 S	Nitrobenzene-d5	80.000	80.138	-0.2	98	-0.01
24	Nitrobenzene	40.000	40.446	-1.1	98	0.00
25	Isophorone	40.000	40.006	-0.0	99	-0.01
26 C	2-Nitrophenol	40.000	42.012	-5.0	100	0.00
27	2,4-Dimethylphenol	40.000	39.152	2.1	95	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.952	0.1	98	0.00
29 C	2,4-Dichlorophenol	40.000	39.911	0.2	97	0.00
30	1,2,4-Trichlorobenzene	40.000	39.782	0.5	98	0.00
31	Naphthalene	40.000	39.092	2.3	97	0.00
32	Benzoic acid	40.000	37.591	6.0	93	-0.03
33	4-Chloroaniline	40.000	38.986	2.5	95	0.00
34 C	Hexachlorobutadiene	40.000	39.969	0.1	98	0.00
35	Caprolactam	40.000	43.799	-9.5	104	-0.02
36 C	4-Chloro-3-methylphenol	40.000	40.394	-1.0	99	0.00
37	2-Methylnaphthalene	40.000	38.808	3.0	96	0.00
38	1-Methylnaphthalene	40.000	38.685	3.3	96	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.505	1.2	97	0.00
41 P	Hexachlorocyclopentadiene	40.000	33.894	15.3	81	0.00
42 S	2,4,6-Tribromophenol	80.000	77.956	2.6	94	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.825	0.4	94	0.00
44	2,4,5-Trichlorophenol	40.000	40.163	-0.4	98	0.00
45 S	2-Fluorobiphenyl	80.000	76.887	3.9	98	0.00
46	1,1'-Biphenyl	40.000	38.879	2.8	96	0.00
47	2-Chloronaphthalene	40.000	39.061	2.3	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.640	-1.6	96	0.00
49	Acenaphthylene	40.000	39.059	2.4	96	0.00
50	Dimethylphthalate	40.000	40.583	-1.5	99	0.00
51	2,6-Dinitrotoluene	40.000	41.159	-2.9	96	0.00
52 C	Acenaphthene	40.000	38.011	5.0	93	0.00
53	3-Nitroaniline	40.000	39.678	0.8	94	0.00
54 P	2,4-Dinitrophenol	40.000	28.170	29.6#	66	0.00
55	Dibenzofuran	40.000	38.919	2.7	96	0.00
56 P	4-Nitrophenol	40.000	38.203	4.5	87	0.00
57	2,4-Dinitrotoluene	40.000	40.880	-2.2	94	0.00
58	Fluorene	40.000	38.288	4.3	95	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.017	-0.0	94	0.00
60	Diethylphthalate	40.000	41.355	-3.4	100	0.00
61	4-Chlorophenyl-phenylether	40.000	38.987	2.5	96	0.00
62	4-Nitroaniline	40.000	39.506	1.2	93	-0.01
63	Azobenzene	40.000	39.155	2.1	95	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.226	6.9	82	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.062	-0.2	93	0.00
67	4-Bromophenyl-phenylether	40.000	41.154	-2.9	95	0.00
68	Hexachlorobenzene	40.000	40.112	-0.3	93	0.00
69	Atrazine	40.000	45.568	-13.9	105	0.00
70 C	Pentachlorophenol	40.000	38.100	4.7	84	0.00
71	Phenanthrene	40.000	39.223	1.9	94	0.00
72	Anthracene	40.000	39.146	2.1	92	0.00
73	Carbazole	40.000	38.707	3.2	91	0.00
74	Di-n-butylphthalate	40.000	44.721	-11.8	101	0.00
75 C	Fluoranthene	40.000	37.338	6.7	88	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77	Benzydine	40.000	39.014	2.5	90	0.00
78	Pyrene	40.000	35.848	10.4	89	0.00
79 S	Terphenyl-d14	80.000	73.802	7.7	92	0.00
80	Butylbenzylphthalate	40.000	43.715	-9.3	103	0.00
81	Benzo(a)anthracene	40.000	38.789	3.0	93	0.00
82	3,3'-Dichlorobenzidine	40.000	42.571	-6.4	103	0.00
83	Chrysene	40.000	40.110	-0.3	102	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.100	-5.3	100	0.00
85 c	Di-n-octyl phthalate	40.000	42.003	-5.0	101	0.00
86 I	Perylene-d12	20.000	20.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.018	2.5	99	-0.01
88	Benzo(b)fluoranthene	40.000	40.852	-2.1	109	0.00
89	Benzo(k)fluoranthene	40.000	37.893	5.3	96	-0.01
90 C	Benzo(a)pyrene	40.000	40.175	-0.4	103	0.00
91	Dibenzo(a,h)anthracene	40.000	39.400	1.5	100	-0.02
92	Benzo(g,h,i)perylene	40.000	37.945	5.1	96	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/21/2025 09:21</u>
Lab File ID:	<u>BF143518.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.132		-1.1	
Benzaldehyde	1.145	1.256		9.7	
Phenol-d6	1.414	1.413		-0.1	
Phenol	1.629	1.644		0.9	20.0
bis(2-Chloroethyl)ether	1.217	1.227		0.8	
2-Chlorophenol	1.265	1.272		0.6	
2-Methylphenol	1.015	1.028		1.3	
2,2-oxybis(1-Chloropropane)	1.947	1.939		-0.4	
Acetophenone	0.432	0.427		-1.2	
3+4-Methylphenols	1.212	1.227		1.2	
n-Nitroso-di-n-propylamine	0.864	0.860	0.050	-0.5	
Nitrobenzene-d5	0.343	0.348		1.5	
Hexachloroethane	0.485	0.490		1.0	
Nitrobenzene	0.353	0.362		2.5	
Isophorone	0.628	0.630		0.3	
2-Nitrophenol	0.173	0.180		4.0	20.0
2,4-Dimethylphenol	0.269	0.270		0.4	
bis(2-Chloroethoxy)methane	0.386	0.384		-0.5	
2,4-Dichlorophenol	0.288	0.290		0.7	20.0
Naphthalene	0.960	0.950		-1.0	
4-Chloroaniline	0.341	0.339		-0.6	
Hexachlorobutadiene	0.193	0.194		0.5	20.0
Caprolactam	0.069	0.078		13.0	
4-Chloro-3-methylphenol	0.288	0.289		0.3	20.0
2-Methylnaphthalene	0.641	0.627		-2.2	
Hexachlorocyclopentadiene	0.184	0.169	0.050	-8.2	
2,4,6-Trichlorophenol	0.352	0.355		0.9	20.0
2-Fluorobiphenyl	1.210	1.177		-2.7	
2,4,5-Trichlorophenol	0.385	0.380		-1.3	
1,1-Biphenyl	1.420	1.391		-2.0	
2-Chloronaphthalene	1.114	1.096		-1.6	
2-Nitroaniline	0.326	0.335		2.8	
Dimethylphthalate	1.205	1.250		3.7	
Acenaphthylene	1.595	1.578		-1.1	
2,6-Dinitrotoluene	0.250	0.265		6.0	
3-Nitroaniline	0.270	0.278		3.0	
Acenaphthene	1.083	1.067		-1.5	20.0
2,4-Dinitrophenol	0.115	0.109	0.050	-5.2	
4-Nitrophenol	0.161	0.155	0.050	-3.7	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/21/2025 09:21</u>
Lab File ID:	<u>BF143518.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.525		-1.2	
2,4-Dinitrotoluene	0.333	0.357		7.2	
Diethylphthalate	1.080	1.140		5.6	
4-Chlorophenyl-phenylether	0.594	0.589		-0.8	
Fluorene	1.188	1.164		-2.0	
4-Nitroaniline	0.248	0.258		4.0	
4,6-Dinitro-2-methylphenol	0.113	0.107		-5.3	
n-Nitrosodiphenylamine	0.644	0.645		0.2	20.0
2,4,6-Tribromophenol	0.186	0.186		0.0	
4-Bromophenyl-phenylether	0.239	0.242		1.3	
Hexachlorobenzene	0.257	0.257		0.0	
Atrazine	0.166	0.195		17.5	
Pentachlorophenol	0.118	0.106		-10.2	20.0
Phenanthrene	1.071	1.052		-1.8	
Anthracene	1.085	1.065		-1.8	
Carbazole	0.889	0.875		-1.6	
Di-n-butylphthalate	0.829	0.956		15.3	
Fluoranthene	0.961	0.922		-4.1	20.0
Pyrene	1.645	1.514		-8.0	
Terphenyl-d14	1.146	1.094		-4.5	
Butylbenzylphthalate	0.449	0.485		8.0	
3,3-Dichlorobenzidine	0.369	0.377		2.2	
Benzo (a) anthracene	1.288	1.239		-3.8	
Chrysene	1.157	1.147		-0.9	
Bis (2-ethylhexyl) phthalate	0.685	0.692		1.0	
Di-n-octyl phthalate	1.268	1.238		-2.4	20.0
Benzo (b) fluoranthene	1.112	1.175		5.7	
Benzo (k) fluoranthene	1.064	0.980		-7.9	
Benzo (a) pyrene	1.032	1.024		-0.8	20.0
Indeno (1,2,3-cd) pyrene	1.437	1.375		-4.3	
Dibenzo (a,h) anthracene	1.151	1.117		-3.0	
Benzo (g,h,i) perylene	1.145	1.055		-7.9	
1,2,4,5-Tetrachlorobenzene	0.572	0.568		-0.7	
1,4-Dioxane	0.531	0.541		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.286	0.289		1.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143518.D
 Acq On : 21 Aug 2025 09:21
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	118001	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	448774	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	244595	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	369706	20.000	ng	0.00
76) Chrysene-d12	14.098	240	222503	20.000	ng	0.00
86) Perylene-d12	15.592	264	262934	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	534460	79.089	ng	0.00
7) Phenol-d6	6.563	99	667138	79.973	ng	-0.01
23) Nitrobenzene-d5	7.487	82	624678	81.228	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	181773	79.836	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1151723	77.819	ng	0.00
79) Terphenyl-d14	13.033	244	973817	76.374	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.734	88	127663	40.780	ng	99
3) Pyridine	3.510	79	338120	40.552	ng	99
4) n-Nitrosodimethylamine	3.457	42	150541	40.163	ng	98
6) Aniline	6.587	93	449531	40.315	ng	91
8) 2-Chlorophenol	6.716	128	300113	40.208	ng	100
9) Benzaldehyde	6.475	77	296436	43.891	ng	96
10) Phenol	6.575	94	387980	40.372	ng	92
11) bis(2-Chloroethyl)ether	6.657	93	289515	40.314	ng	99
12) 1,3-Dichlorobenzene	6.869	146	333800	39.802	ng	99
13) 1,4-Dichlorobenzene	6.945	146	336877	40.045	ng	99
14) 1,2-Dichlorobenzene	7.098	146	319564	40.122	ng	100
15) Benzyl Alcohol	7.069	79	254573	40.760	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.193	45	457661	39.834	ng	90
17) 2-Methylphenol	7.181	107	242686	40.511	ng	97
18) Hexachloroethane	7.440	117	115654	40.435	ng	97
19) n-Nitroso-di-n-propyla...	7.334	70	203044	39.822	ng	99
20) 3+4-Methylphenols	7.334	107	289653	40.503	ng	98
22) Acetophenone	7.334	105	383042	39.507	ng	99
24) Nitrobenzene	7.504	77	324679	41.020	ng	99
25) Isophorone	7.745	82	565357	40.104	ng	100
26) 2-Nitrophenol	7.822	139	161941	41.767	ng	97
27) 2,4-Dimethylphenol	7.863	122	242413	40.108	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	344305	39.742	ng	100
29) 2,4-Dichlorophenol	8.069	162	260040	40.285	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	265906	40.066	ng	98
31) Naphthalene	8.234	128	852935	39.587	ng	100
32) Benzoic acid	7.975	122	117106	35.717	ng	98
33) 4-Chloroaniline	8.275	127	304385	39.804	ng	99
34) Hexachlorobutadiene	8.351	225	174035	40.194	ng	100
35) Caprolactam	8.645	113	69912	45.135	ng	98
36) 4-Chloro-3-methylphenol	8.763	107	259690	40.144	ng	99
37) 2-Methylnaphthalene	8.922	142	562491	39.089	ng	100
38) 1-Methylnaphthalene	9.022	142	542827	39.436	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	277705	39.693	ng	100
41) Hexachlorocyclopentadiene	9.081	237	82522	34.356	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	173645	40.335	ng	100

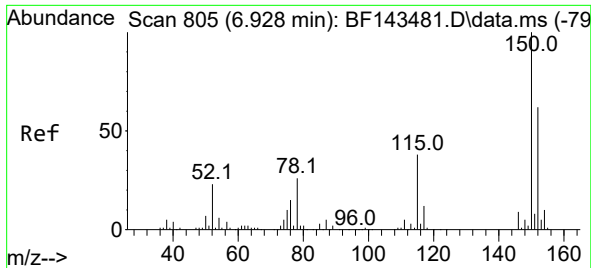
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 Acq On : 21 Aug 2025 09:21
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	186067	39.568	ng	99
46) 1,1'-Biphenyl	9.386	154	680592	39.203	ng	99
47) 2-Chloronaphthalene	9.410	162	536315	39.372	ng	99
48) 2-Nitroaniline	9.504	65	163759	41.078	ng	97
49) Acenaphthylene	9.828	152	771789	39.570	ng	99
50) Dimethylphthalate	9.675	163	611411	41.504	ng	100
51) 2,6-Dinitrotoluene	9.745	165	129744	42.495	ng	98
52) Acenaphthene	9.998	154	521988	39.417	ng	100
53) 3-Nitroaniline	9.916	138	135772	41.155	ng	99
54) 2,4-Dinitrophenol	10.022	184	53382	35.824	ng	93
55) Dibenzofuran	10.169	168	745949	39.509	ng	99
56) 4-Nitrophenol	10.081	139	75600	38.513	ng	95
57) 2,4-Dinitrotoluene	10.145	165	174534	42.812	ng	97
58) Fluorene	10.516	166	569387	39.184	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	141362	40.463	ng	99
60) Diethylphthalate	10.381	149	557513	42.212	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	288368	39.680	ng	98
62) 4-Nitroaniline	10.528	138	126293	41.677	ng	99
63) Azobenzene	10.663	77	549552	40.129	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	79062	37.928	ng	98
66) n-Nitrosodiphenylamine	10.622	169	477218	40.110	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	178840	40.542	ng	97
68) Hexachlorobenzene	11.069	284	190099	39.979	ng	99
69) Atrazine	11.145	200	143876	46.846	ng	99
70) Pentachlorophenol	11.263	266	78686	36.133	ng	99
71) Phenanthrene	11.475	178	777957	39.294	ng	100
72) Anthracene	11.528	178	787324	39.255	ng	100
73) Carbazole	11.680	167	647183	39.380	ng	99
74) Di-n-butylphthalate	12.004	149	707138	46.124	ng	99
75) Fluoranthene	12.669	202	681682	38.372	ng	99
77) Benzidine	12.780	184	216953	40.029	ng	99
78) Pyrene	12.898	202	673559	36.801	ng	99
80) Butylbenzylphthalate	13.504	149	215877	43.176	ng	100
81) Benzo(a)anthracene	14.086	228	551541	38.502	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	167699	40.879	ng	98
83) Chrysene	14.121	228	510484	39.654	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	308015	40.447	ng	99
85) Di-n-octyl phthalate	14.680	149	551091	39.064	ng	100
87) Indeno(1,2,3-cd)pyrene	17.127	276	722883	38.259	ng	100
88) Benzo(b)fluoranthene	15.151	252	618031	42.286	ng	99
89) Benzo(k)fluoranthene	15.180	252	515140	36.812	ng	99
90) Benzo(a)pyrene	15.533	252	538725	39.710	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	587454	38.822	ng	99
92) Benzo(g,h,i)perylene	17.586	276	554893	36.878	ng	99

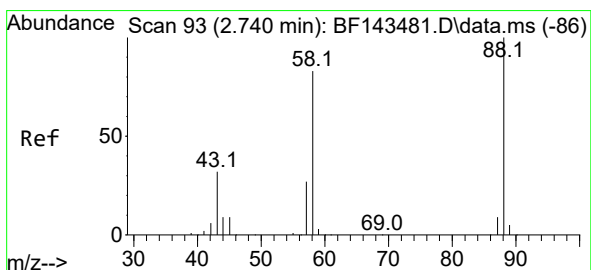
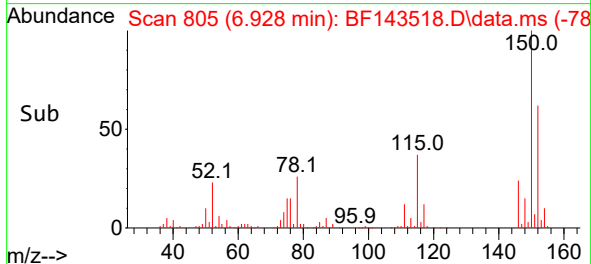
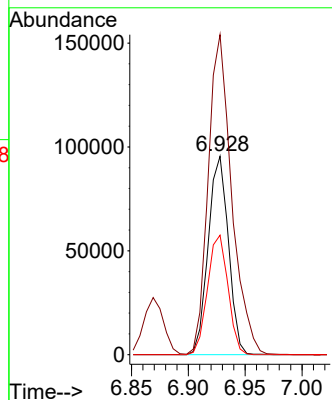
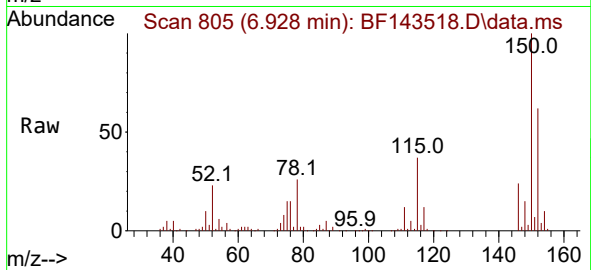
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143518.D
 Acq: 21 Aug 2025 09:21

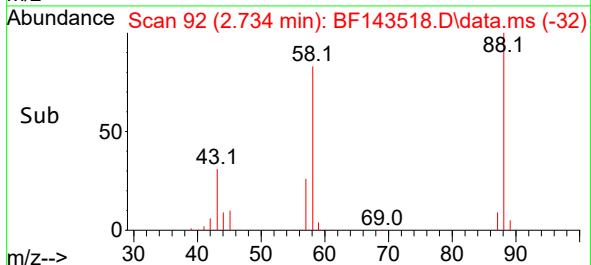
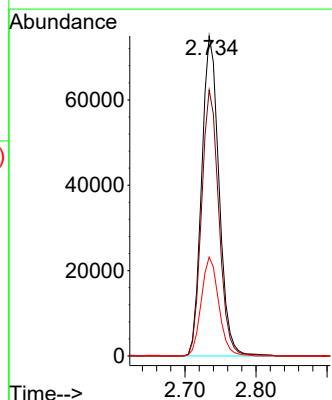
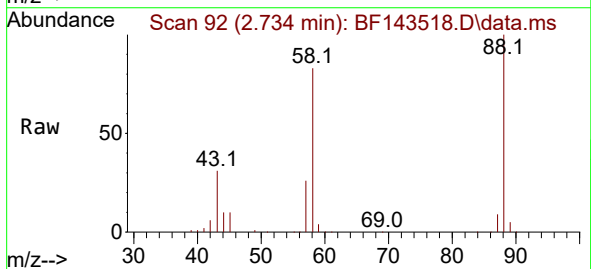
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 ClientSampleId :
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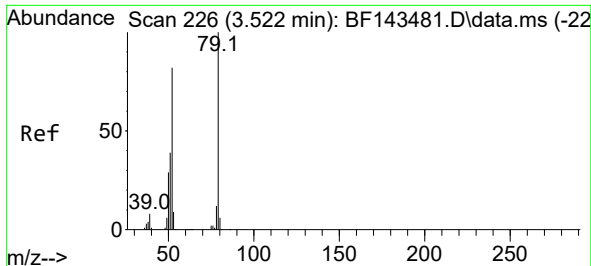
Tgt Ion:152 Resp: 118001
 Ion Ratio Lower Upper
 152 100
 150 161.3 128.9 193.3
 115 60.3 49.2 73.8



#2
 1,4-Dioxane
 Concen: 40.780 ng
 RT: 2.734 min Scan# 92
 Delta R.T. 0.000 min
 Lab File: BF143518.D
 Acq: 21 Aug 2025 09:21

Tgt Ion: 88 Resp: 127663
 Ion Ratio Lower Upper
 88 100
 58 82.7 66.7 100.1
 43 31.1 25.8 38.8





#3

Pyridine

Concen: 40.552 ng

RT: 3.510 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

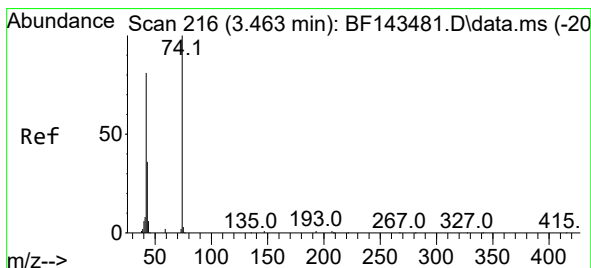
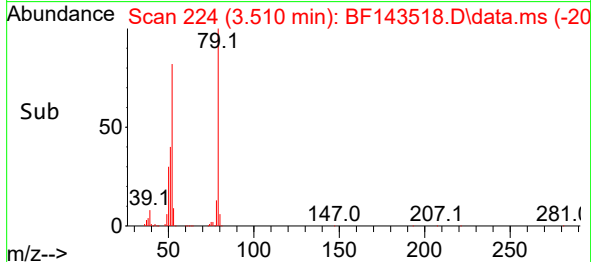
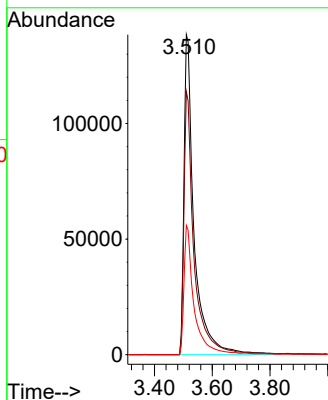
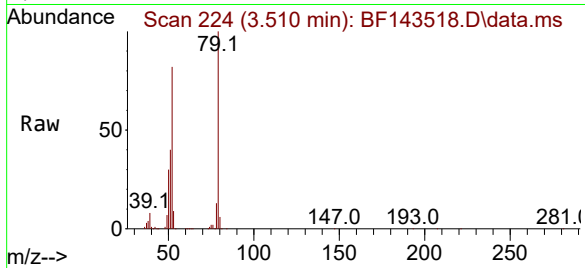
Tgt Ion: 79 Resp: 338120

Ion Ratio Lower Upper

79 100

52 82.2 65.6 98.4

51 40.4 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 40.163 ng

RT: 3.457 min Scan# 215

Delta R.T. -0.018 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

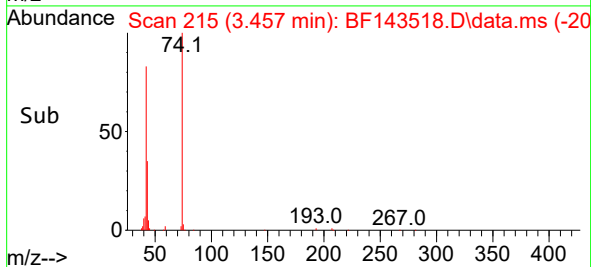
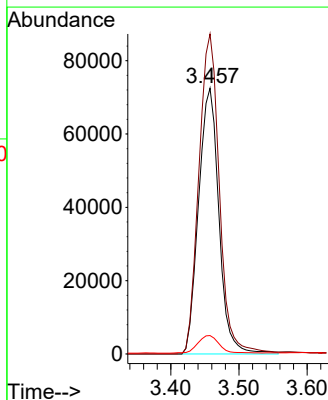
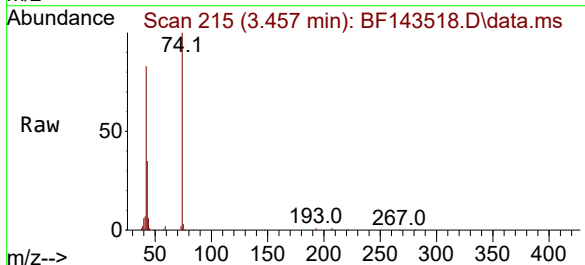
Tgt Ion: 42 Resp: 150541

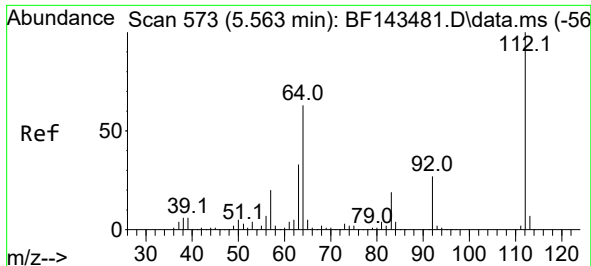
Ion Ratio Lower Upper

42 100

74 120.4 98.6 148.0

44 6.9 5.8 8.8

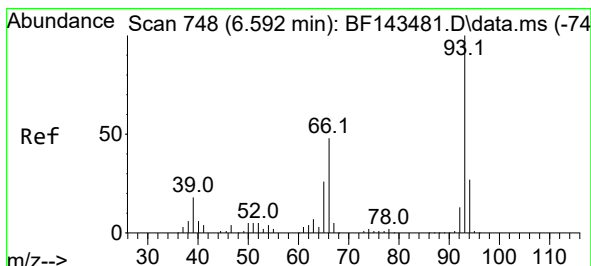
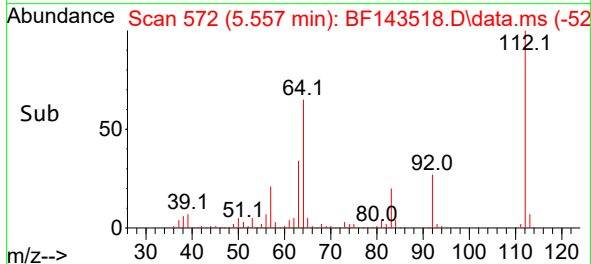
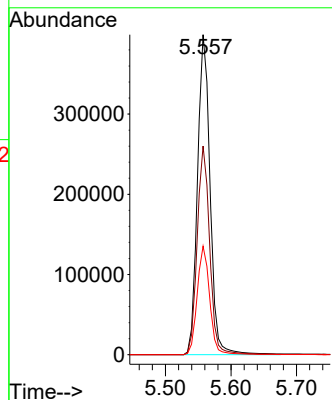
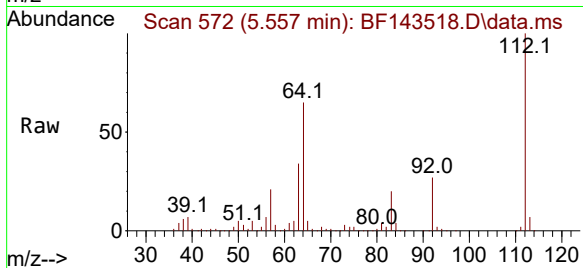




#5
2-Fluorophenol
Concen: 79.089 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

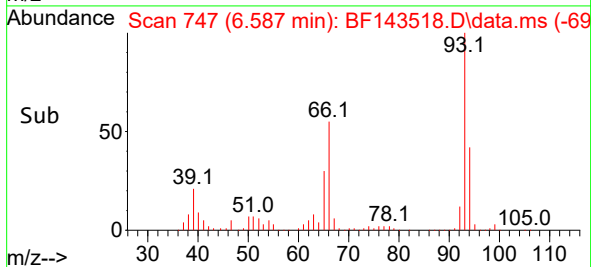
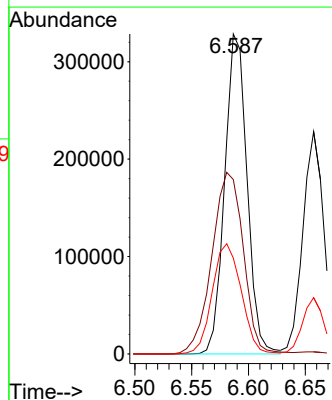
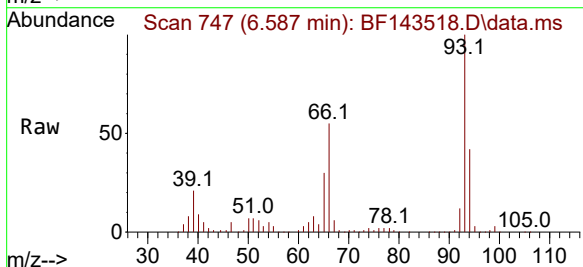
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

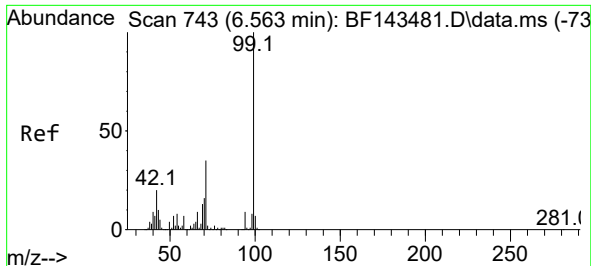
Tgt Ion:112 Resp: 534460
Ion Ratio Lower Upper
112 100
64 65.2 50.4 75.6
63 33.9 26.4 39.6



#6
Aniline
Concen: 40.315 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 93 Resp: 449531
Ion Ratio Lower Upper
93 100
66 54.5 38.9 58.3
65 30.0 20.6 30.8

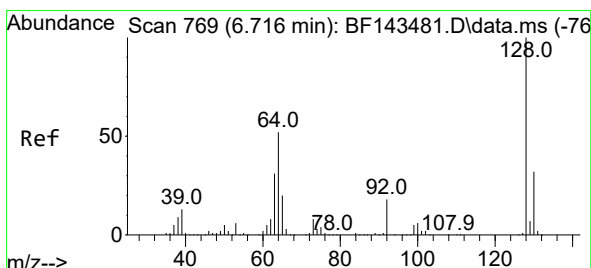
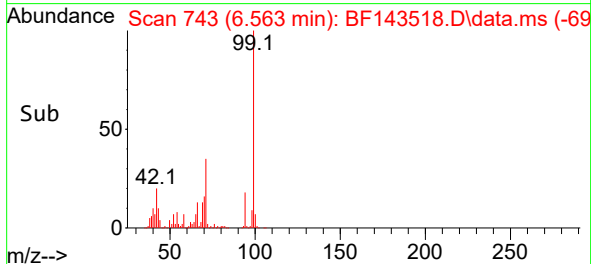
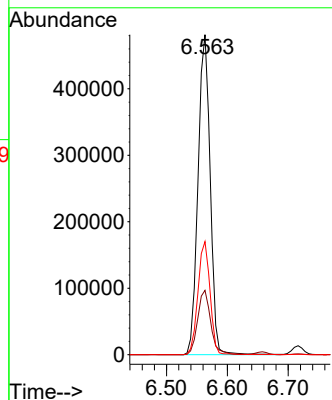
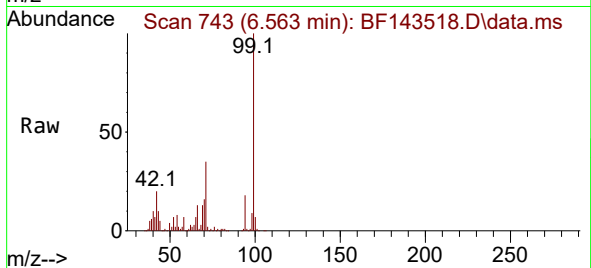




#7
Phenol-d6
Concen: 79.973 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

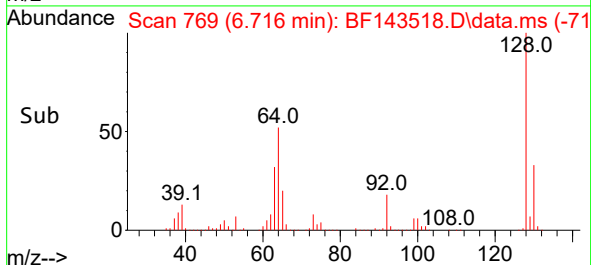
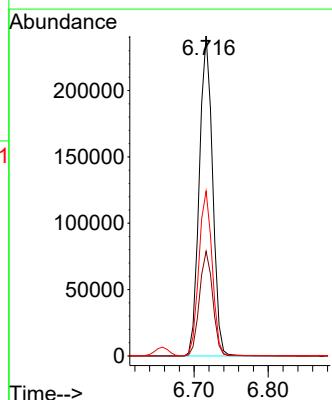
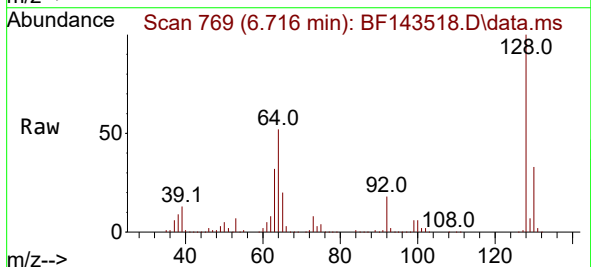
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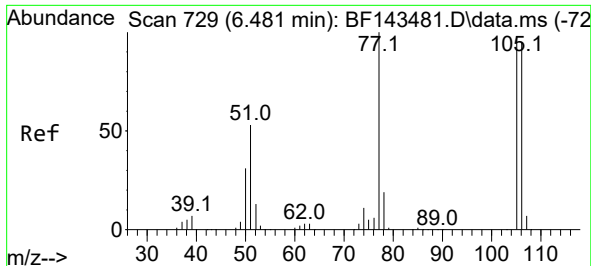
Tgt Ion: 99 Resp: 667138
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 35.3 28.2 42.2



#8
2-Chlorophenol
Concen: 40.208 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 128 Resp: 300113
Ion Ratio Lower Upper
128 100
130 32.7 12.4 52.4
64 51.5 31.6 71.6

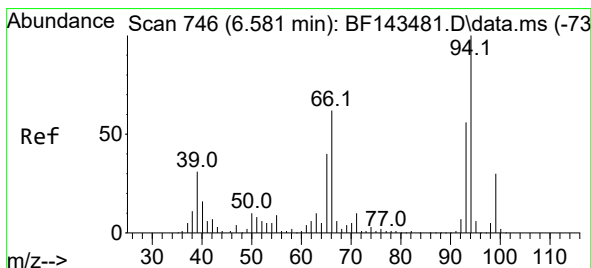
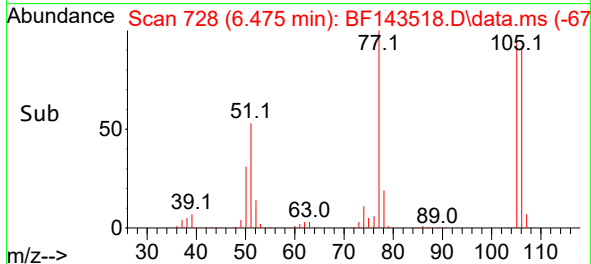
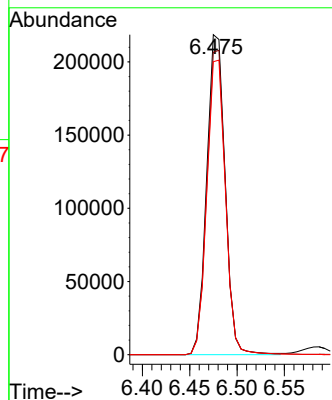
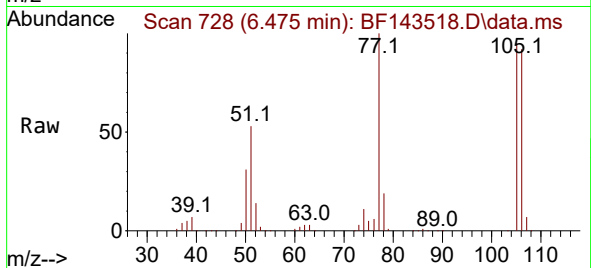




#9
Benzaldehyde
Concen: 43.891 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

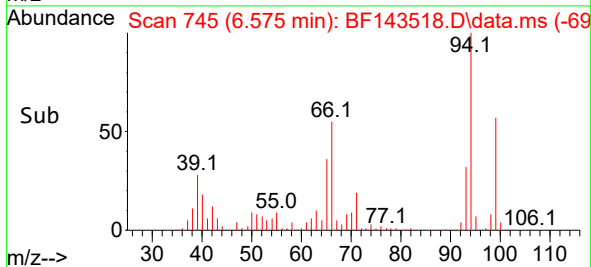
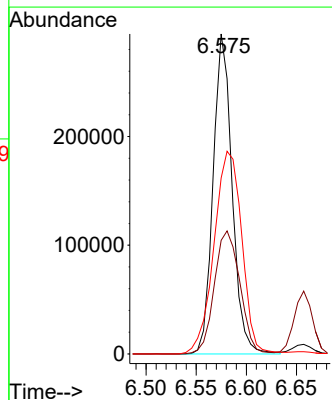
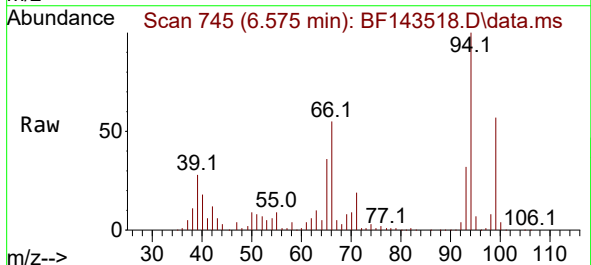
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

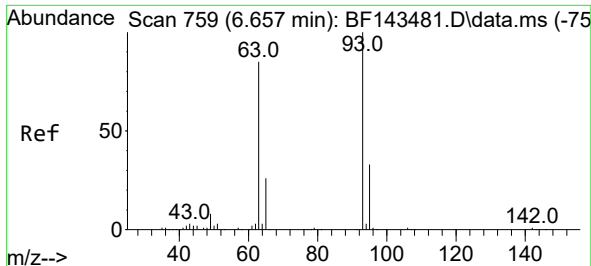
Tgt Ion: 77 Resp: 296436
Ion Ratio Lower Upper
77 100
105 94.6 78.1 118.1
106 91.6 74.9 114.9



#10
Phenol
Concen: 40.372 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 94 Resp: 387980
Ion Ratio Lower Upper
94 100
65 35.5 19.5 59.5
66 55.0 42.5 82.5

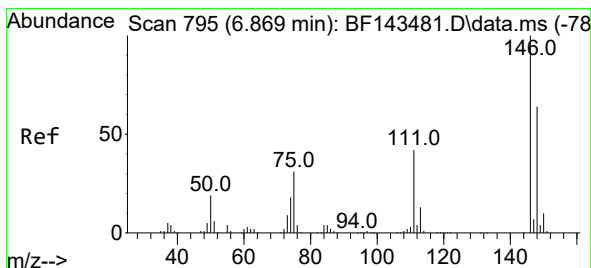
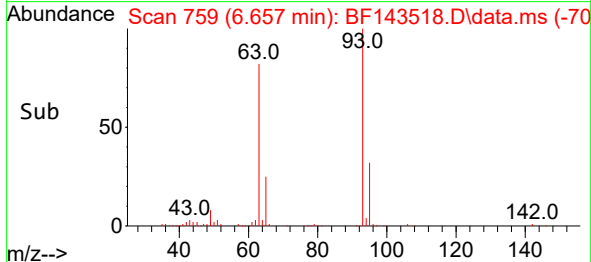
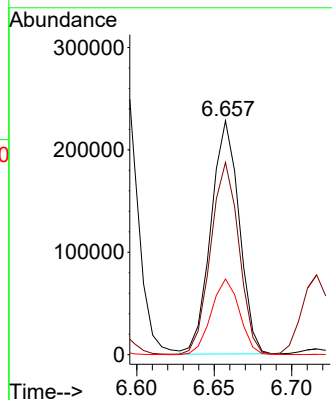
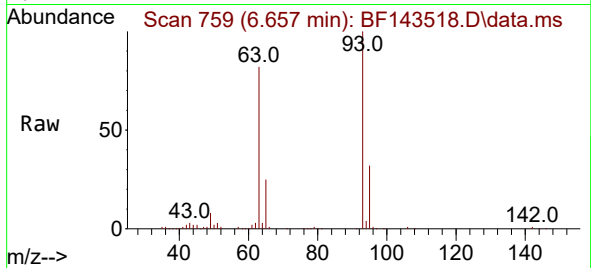




#11
bis(2-Chloroethyl)ether
Concen: 40.314 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

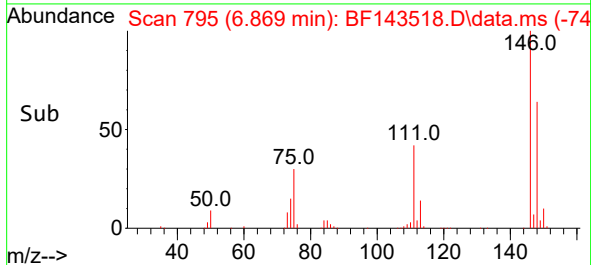
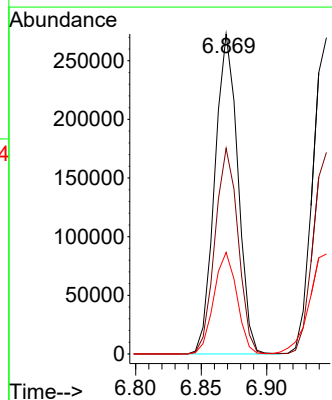
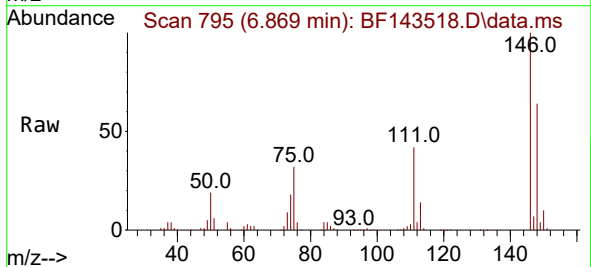
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

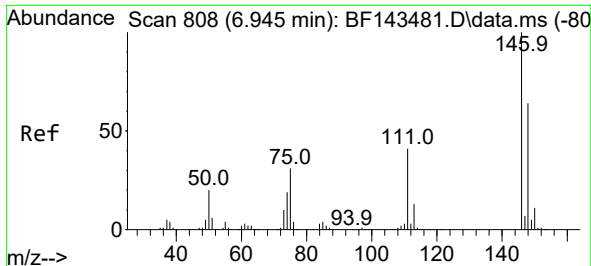
Tgt Ion: 93 Resp: 289515
Ion Ratio Lower Upper
93 100
63 82.2 63.6 103.6
95 32.4 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 39.802 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 146 Resp: 333800
Ion Ratio Lower Upper
146 100
148 64.3 51.3 76.9
75 31.8 24.7 37.1

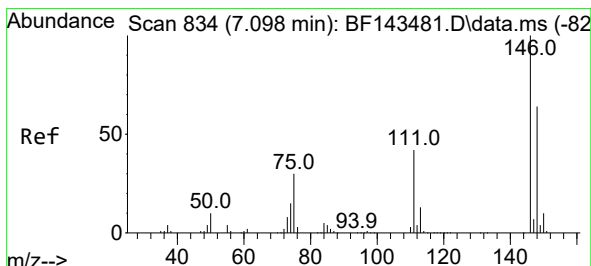
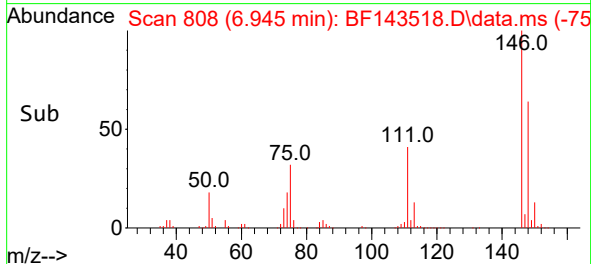
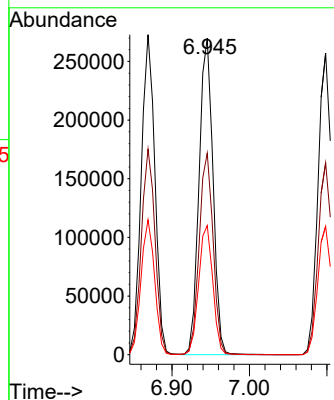
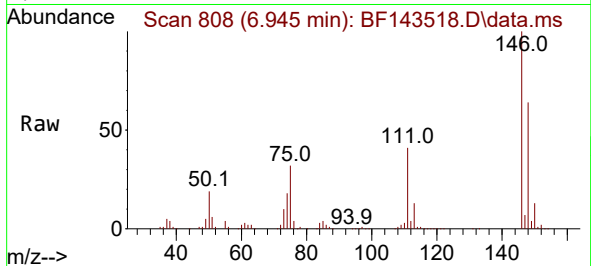




#13
1,4-Dichlorobenzene
Concen: 40.045 ng
RT: 6.945 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

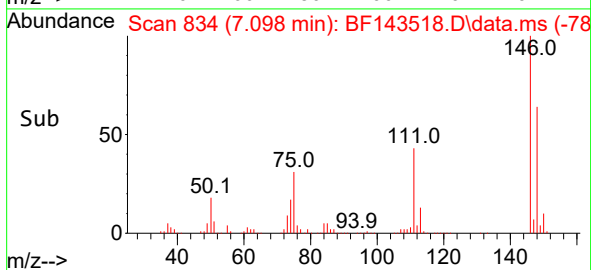
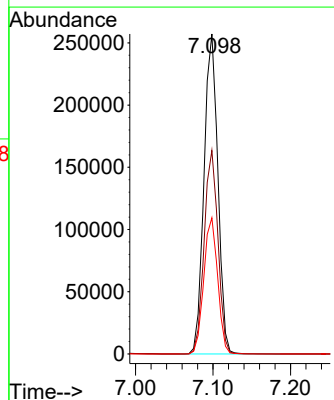
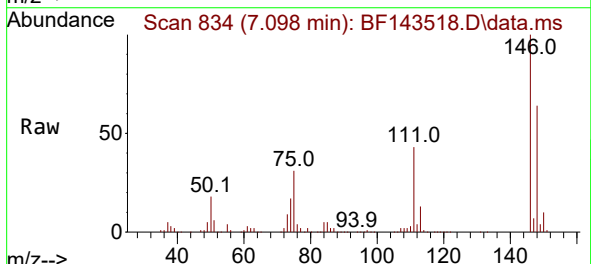
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

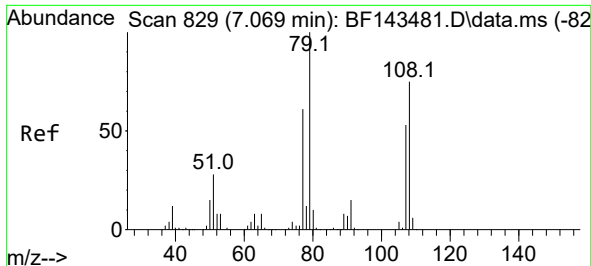
Tgt Ion:146 Resp: 336877
Ion Ratio Lower Upper
146 100
148 63.7 51.5 77.3
111 40.8 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 40.122 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:146 Resp: 319564
Ion Ratio Lower Upper
146 100
148 63.6 51.0 76.6
111 42.5 34.0 51.0

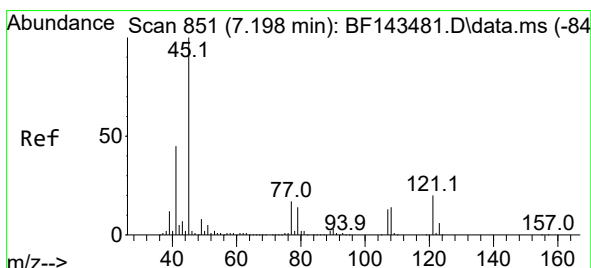
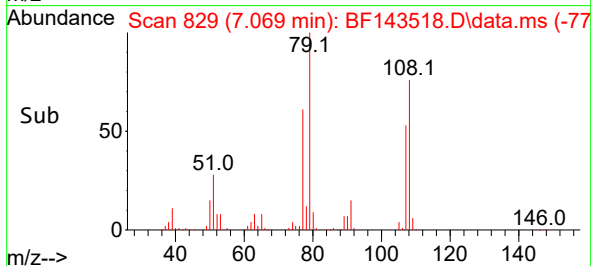
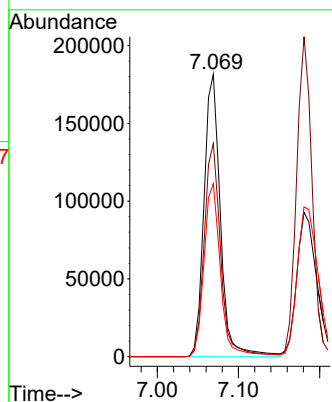
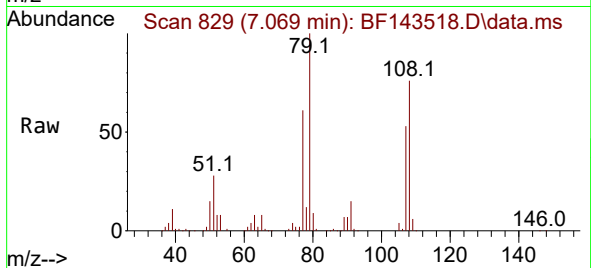




#15
Benzyl Alcohol
Concen: 40.760 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

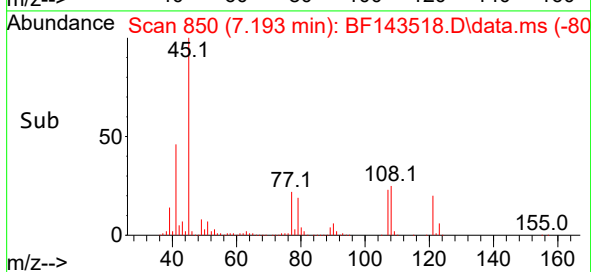
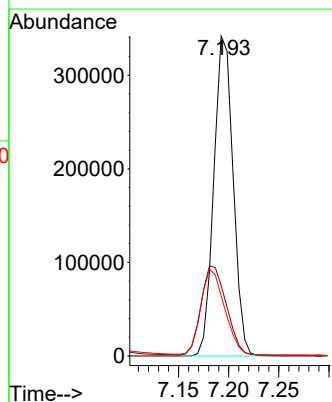
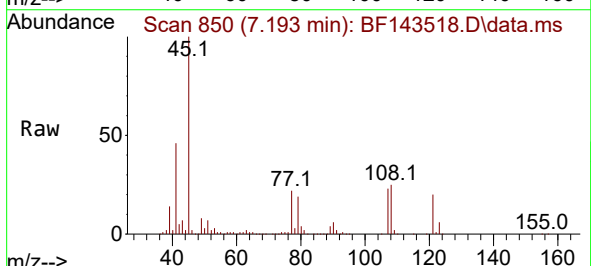
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

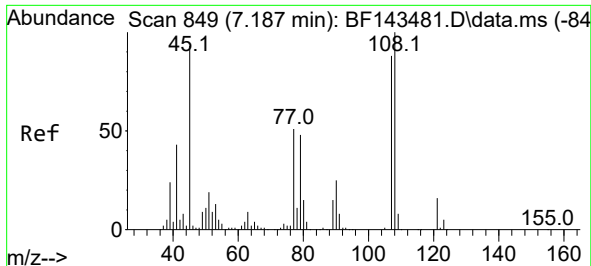
Tgt Ion: 79 Resp: 254573
Ion Ratio Lower Upper
79 100
108 75.5 59.8 89.6
77 61.3 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.834 ng
RT: 7.193 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

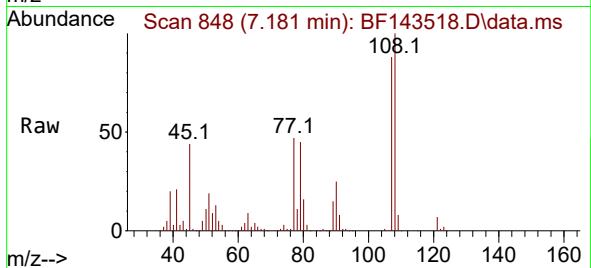
Tgt Ion: 45 Resp: 457661
Ion Ratio Lower Upper
45 100
77 22.0 0.0 37.9
79 18.8 0.0 34.7



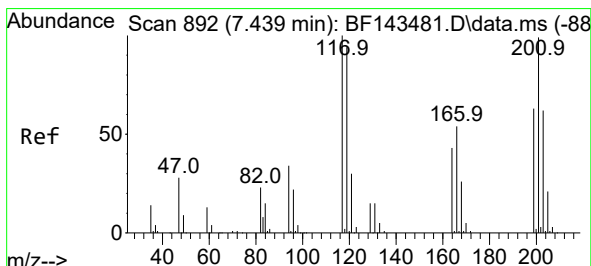
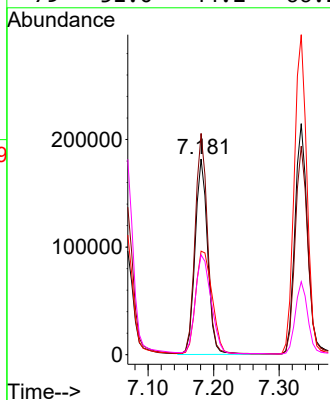
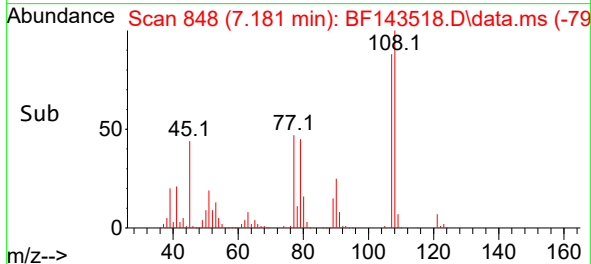


#17
2-Methylphenol
Concen: 40.511 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

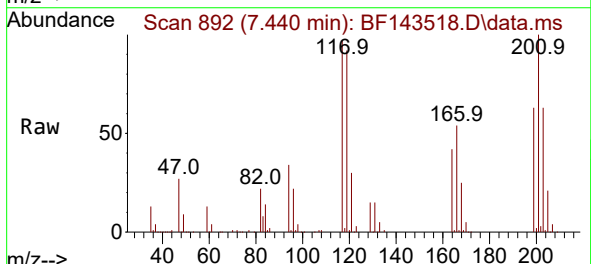
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



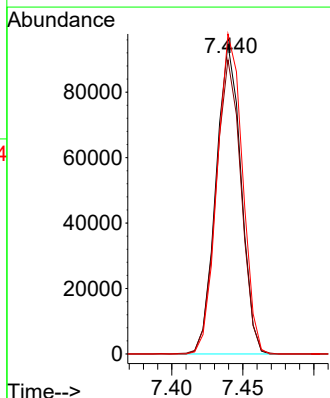
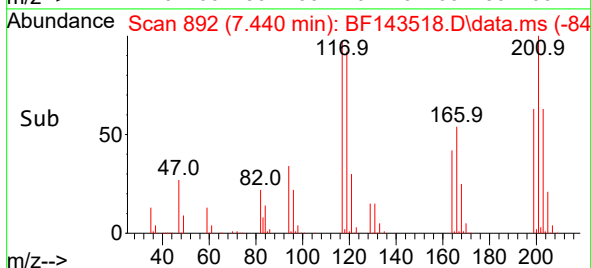
Tgt Ion:	107	Resp:	242686
Ion	Ratio	Lower	Upper
107	100		
108	113.1	91.1	136.7
77	52.9	46.2	69.4
79	51.0	44.2	66.2

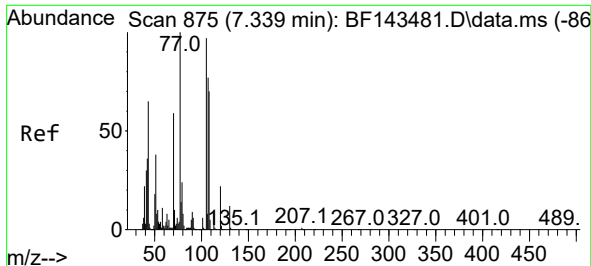


#18
Hexachloroethane
Concen: 40.435 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21



Tgt Ion:	117	Resp:	115654
Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.4	113.0
201	103.2	79.0	118.4





#19

n-Nitroso-di-n-propylamine

Concen: 39.822 ng

RT: 7.334 min Scan# 875

Delta R.T. -0.018 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 203044

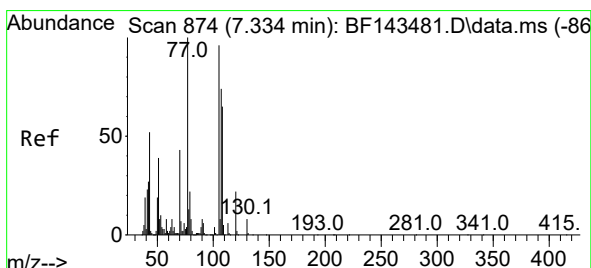
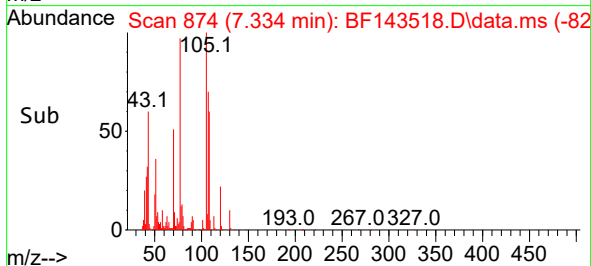
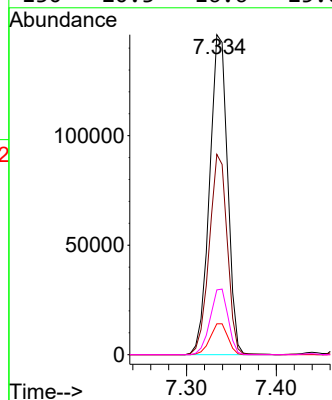
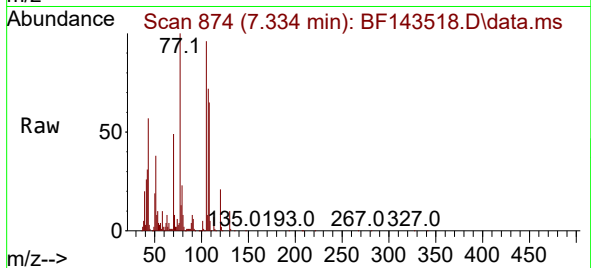
Ion Ratio Lower Upper

70 100

42 62.6 49.3 73.9

101 9.7 7.8 11.8

130 20.3 16.6 25.0



#20

3+4-Methylphenols

Concen: 40.503 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Tgt Ion: 107 Resp: 289653

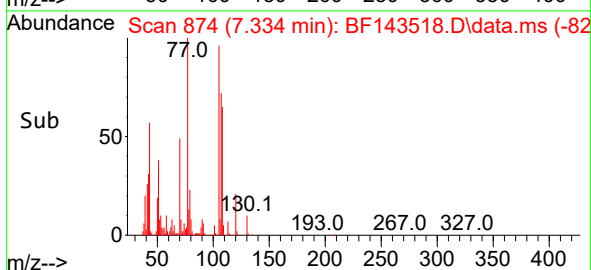
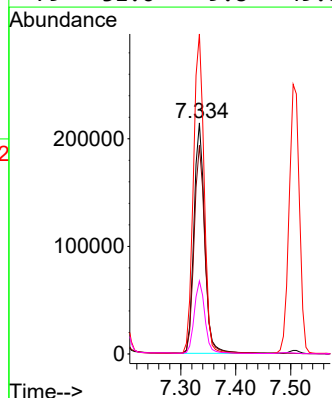
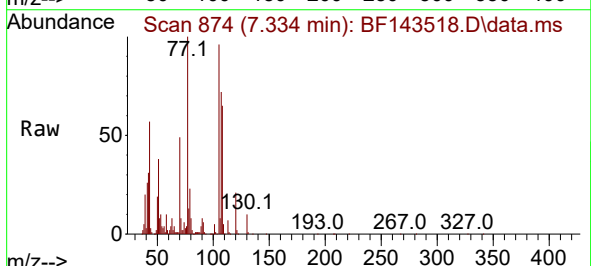
Ion Ratio Lower Upper

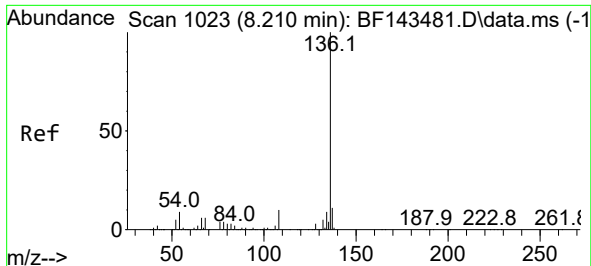
107 100

108 90.3 68.4 108.4

77 138.5 116.1 156.1

79 31.6 9.8 49.8

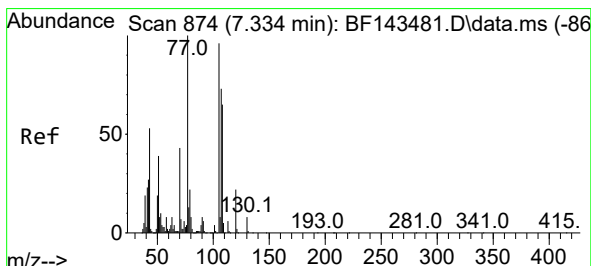
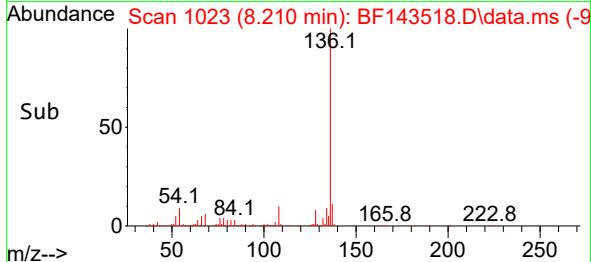
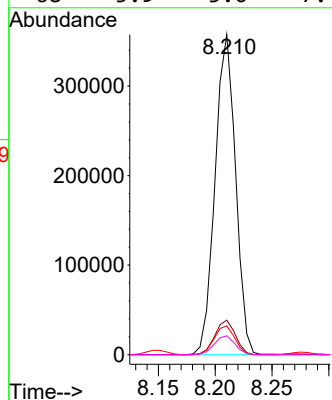
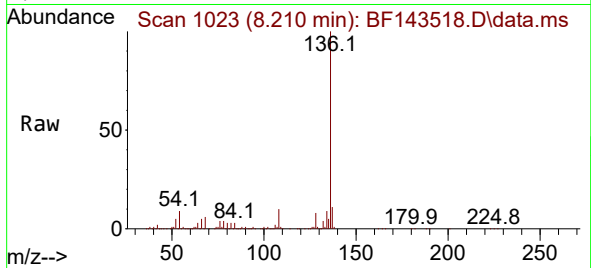




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

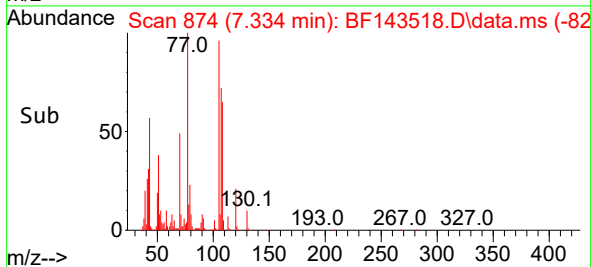
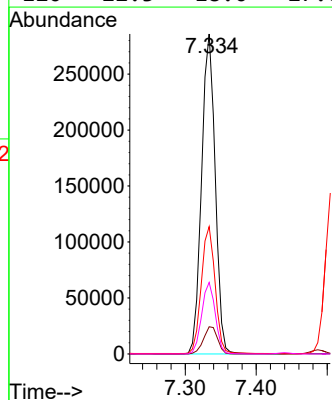
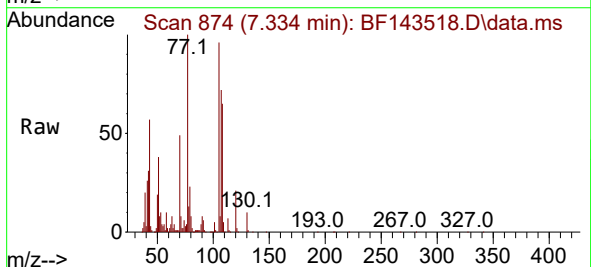
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

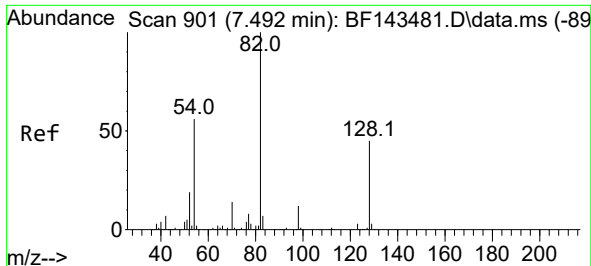
Tgt Ion:	136	Resp:	448774
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	9.0	7.4	11.2
68	5.9	5.0	7.4



#22
Acetophenone
Concen: 39.507 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:	105	Resp:	383042
Ion Ratio	Lower	Upper	
105	100		
71	8.5	5.9	8.9
51	39.8	32.5	48.7
120	22.3	18.0	27.0

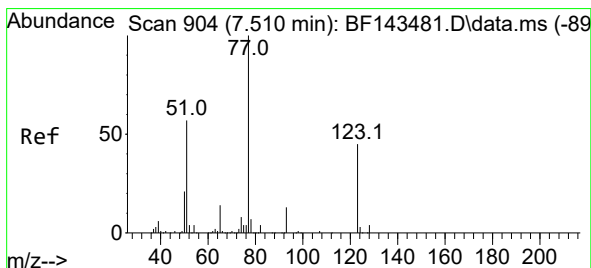
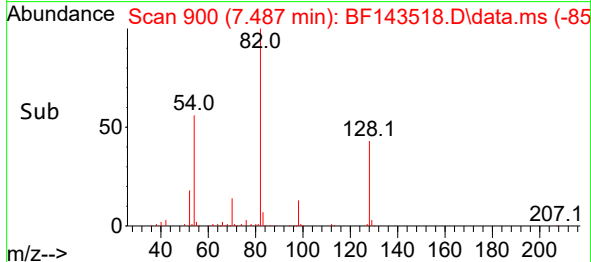
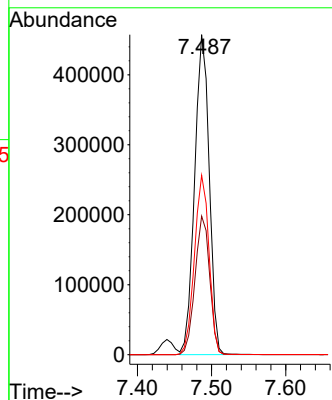
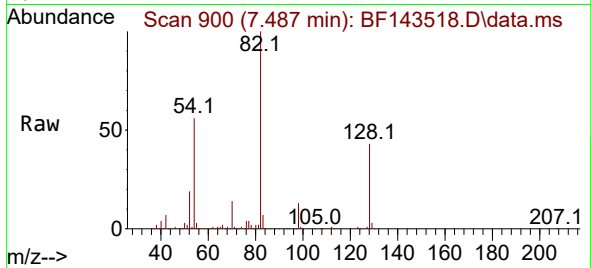




#23
Nitrobenzene-d5
Concen: 81.228 ng
RT: 7.487 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

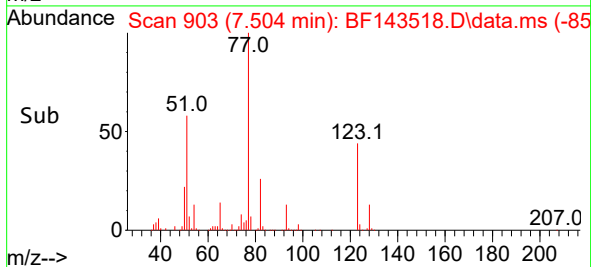
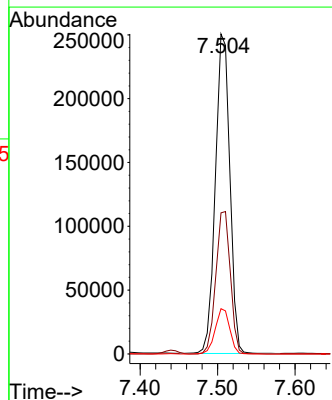
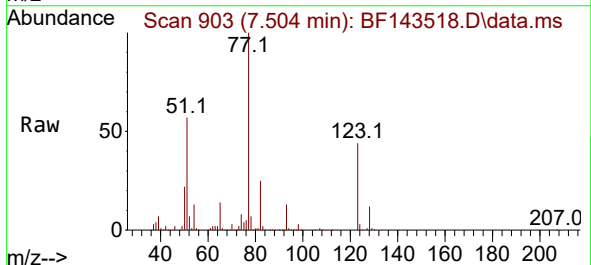
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

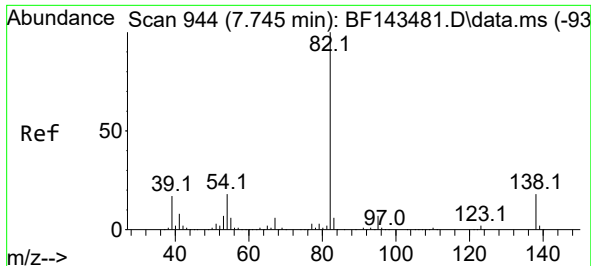
Tgt Ion: 82 Resp: 624678
Ion Ratio Lower Upper
82 100
128 43.3 35.5 53.3
54 56.1 44.3 66.5



#24
Nitrobenzene
Concen: 41.020 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 77 Resp: 324679
Ion Ratio Lower Upper
77 100
123 44.1 36.1 54.1
65 14.1 11.0 16.6

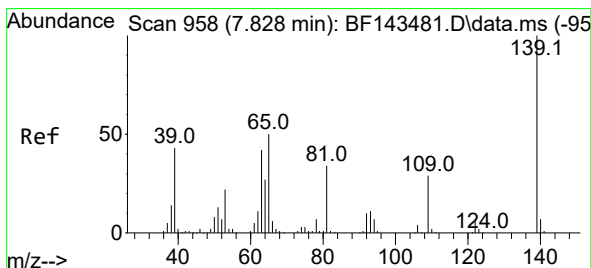
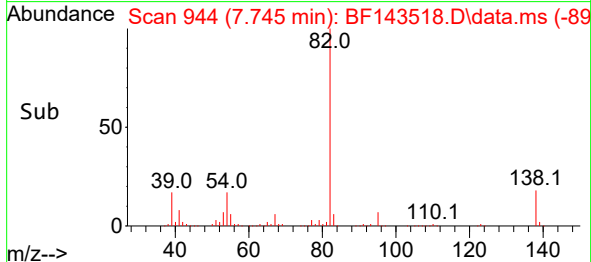
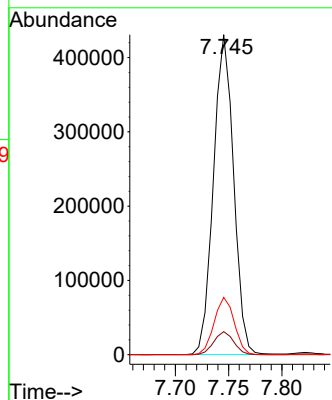
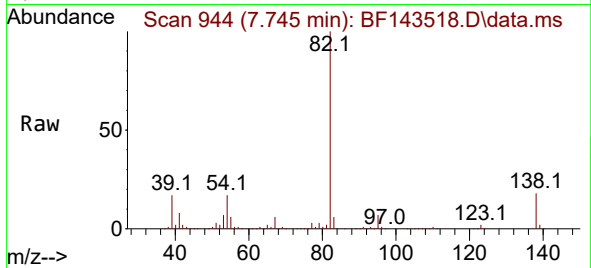




#25
Isophorone
Concen: 40.104 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

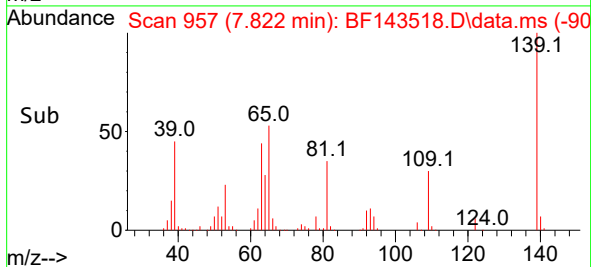
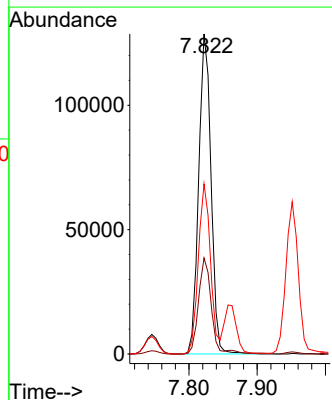
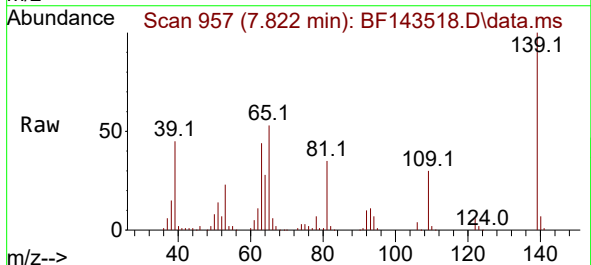
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

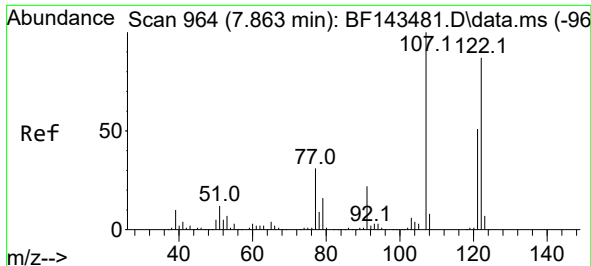
Tgt Ion:	82	Resp:	565357
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.8	8.8
138	17.9	14.2	21.4



#26
2-Nitrophenol
Concen: 41.767 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:	139	Resp:	161941
Ion Ratio	Lower	Upper	
139	100		
109	30.0	23.0	34.6
65	53.1	40.3	60.5

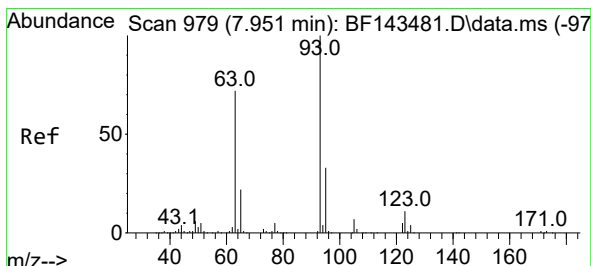
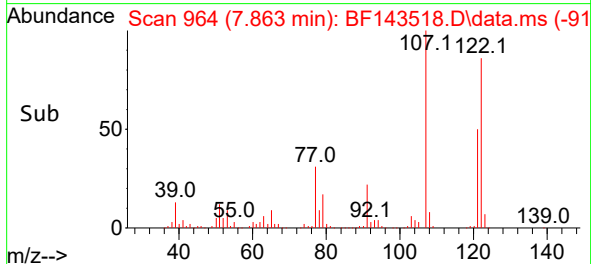
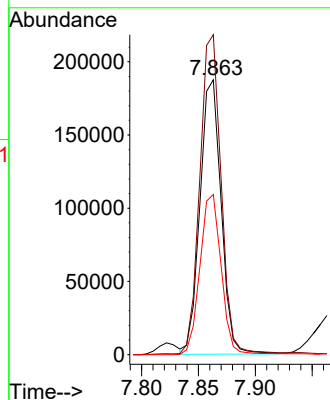
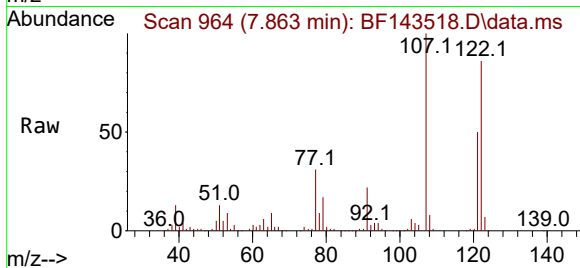




#27
2,4-Dimethylphenol
Concen: 40.108 ng
RT: 7.863 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

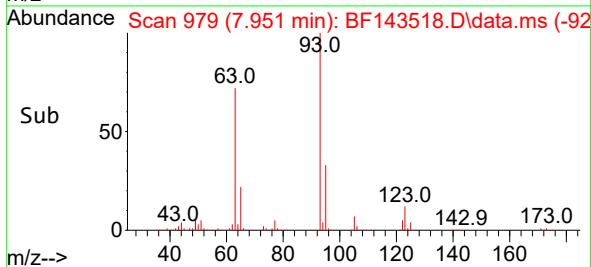
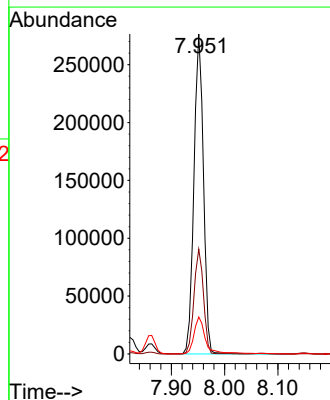
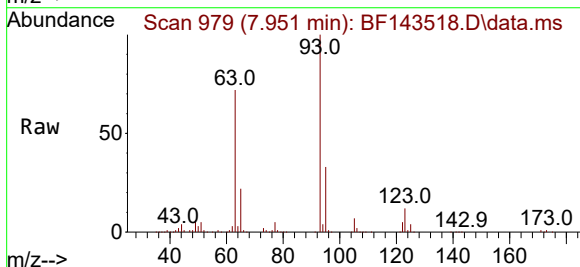
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

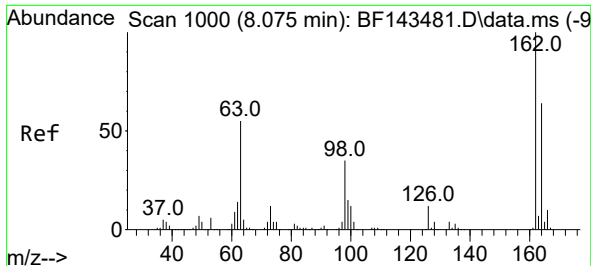
Tgt Ion:122 Resp: 242413
Ion Ratio Lower Upper
122 100
107 116.4 91.5 137.3
121 58.3 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 39.742 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 93 Resp: 344305
Ion Ratio Lower Upper
93 100
95 32.8 26.0 39.0
123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.285 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

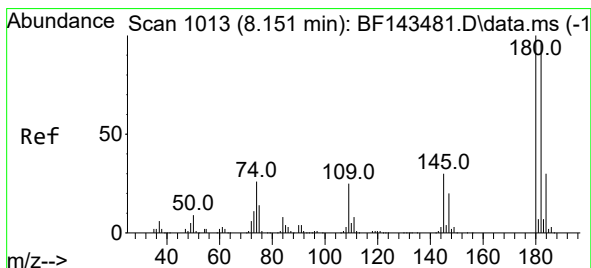
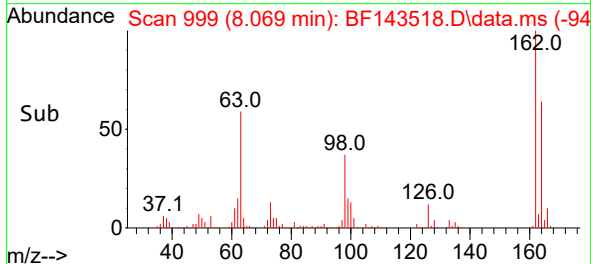
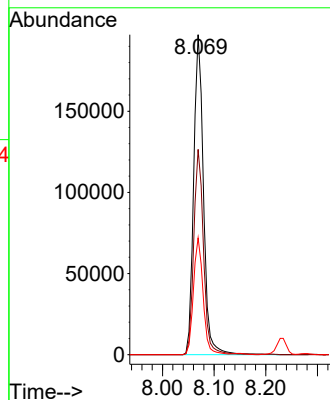
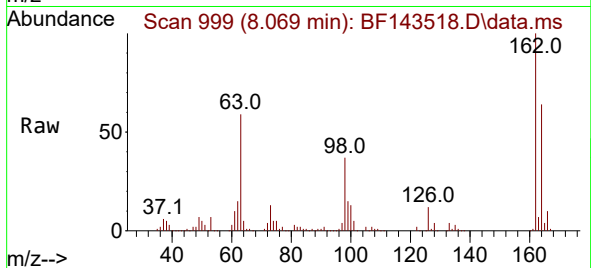
Tgt Ion:162 Resp: 260040

Ion Ratio Lower Upper

162 100

164 64.1 43.5 83.5

98 36.5 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 40.066 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

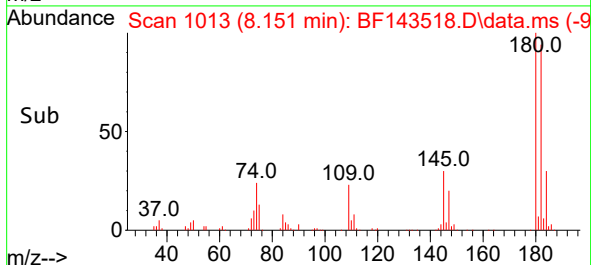
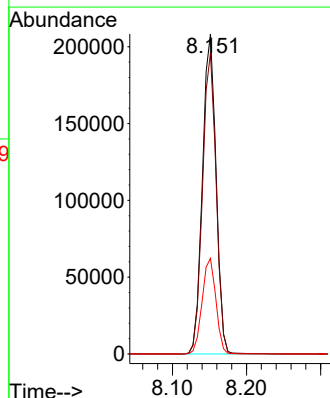
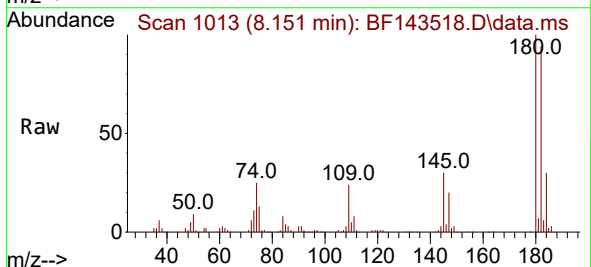
Tgt Ion:180 Resp: 265906

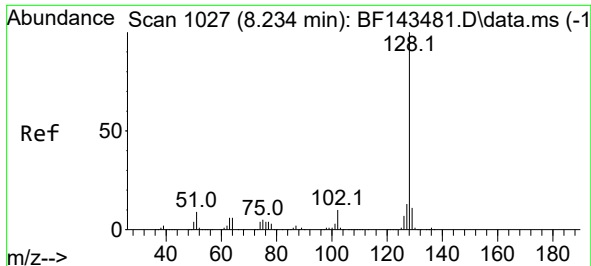
Ion Ratio Lower Upper

180 100

182 94.0 76.6 114.8

145 29.9 24.3 36.5

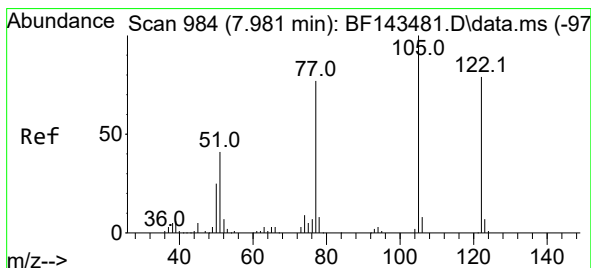
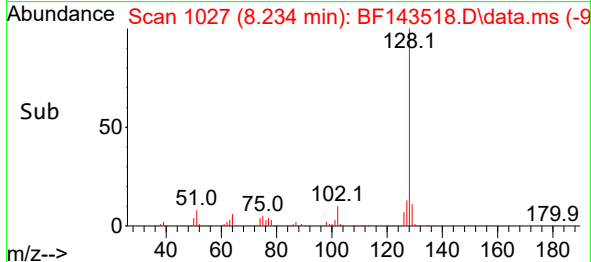
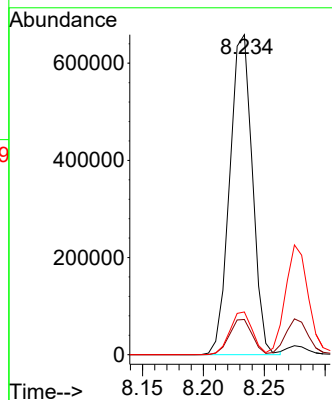
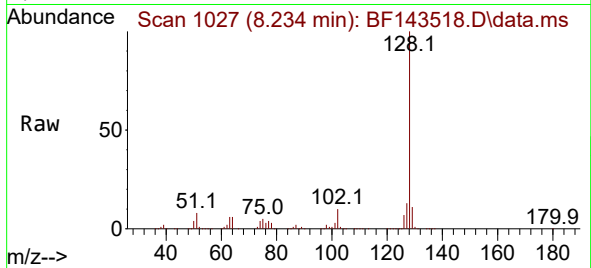




#31
Naphthalene
Concen: 39.587 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

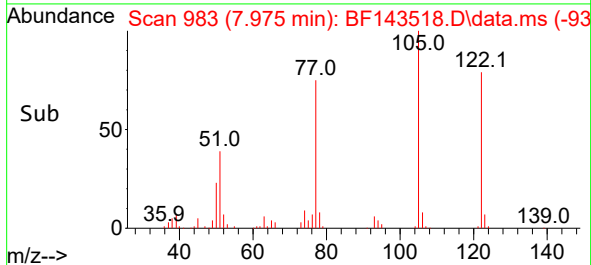
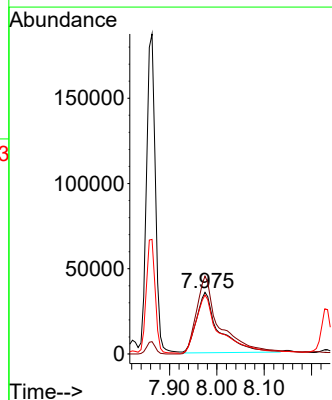
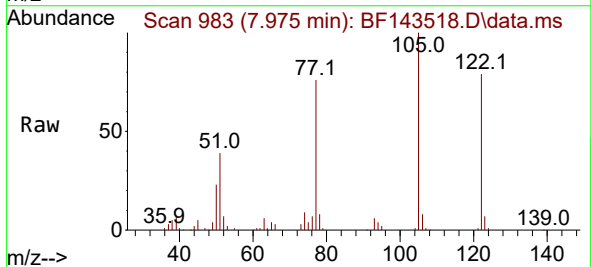
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

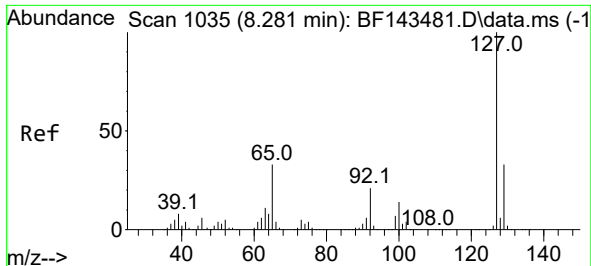
Tgt Ion:128 Resp: 852935
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 35.717 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.035 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

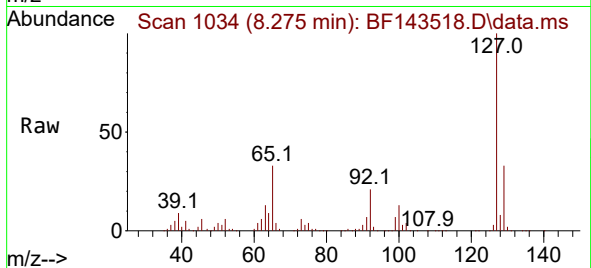
Tgt Ion:122 Resp: 117106
Ion Ratio Lower Upper
122 100
105 126.4 104.7 144.7
77 95.8 77.3 117.3





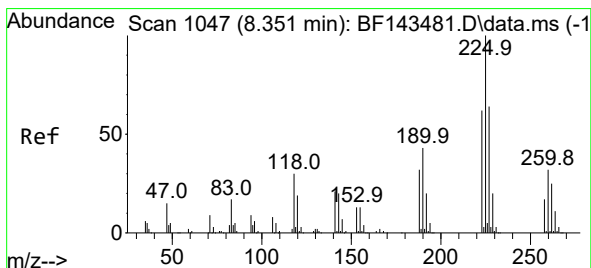
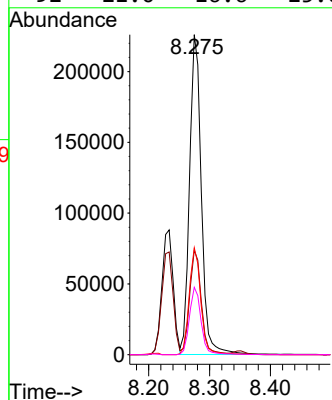
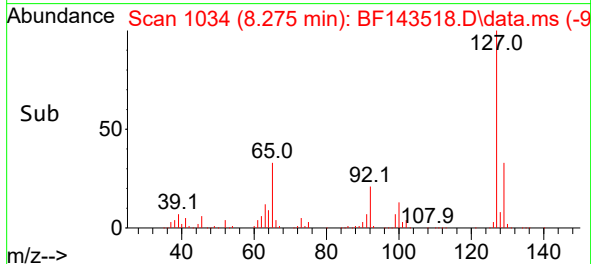
#33
4-Chloroaniline
Concen: 39.804 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

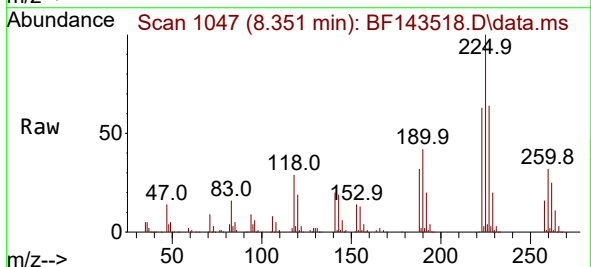


Tgt Ion:127 Resp: 304385

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	33.4	26.2	39.2
92	21.0	16.6	25.0

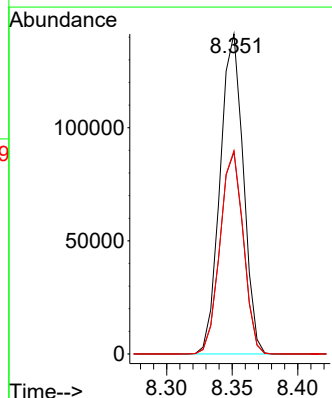
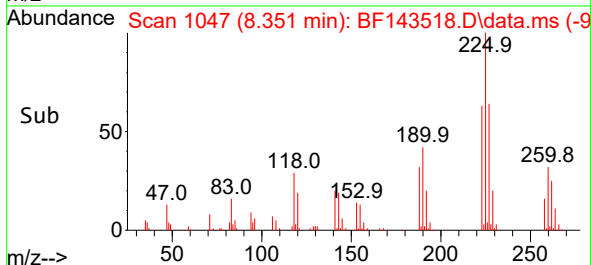


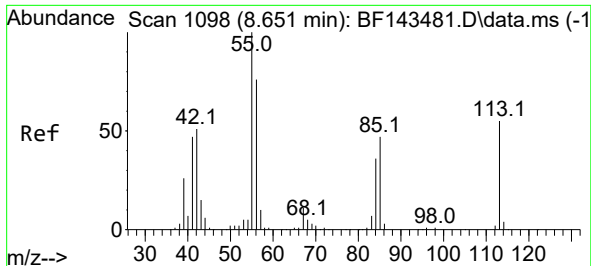
#34
Hexachlorobutadiene
Concen: 40.194 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21



Tgt Ion:225 Resp: 174035

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.9	74.9
227	63.6	50.9	76.3

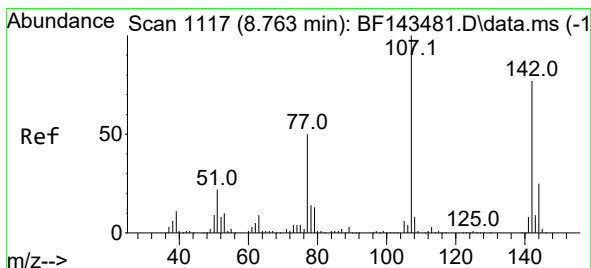
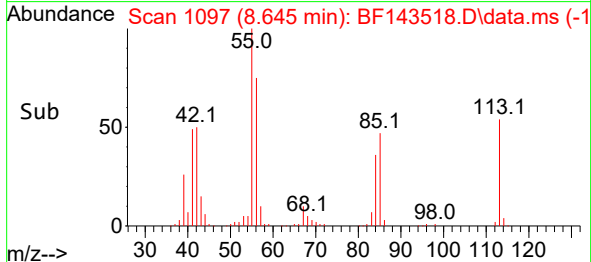
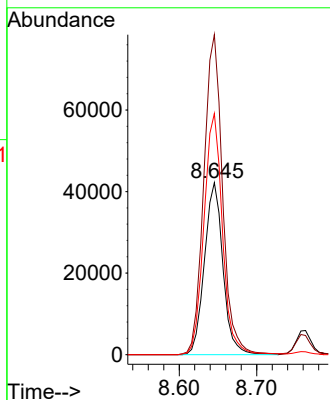
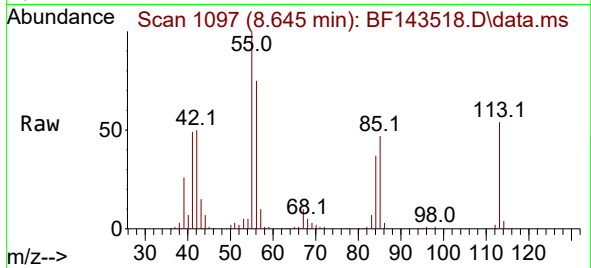




#35
 Caprolactam
 Concen: 45.135 ng
 RT: 8.645 min Scan# 1098
 Delta R.T. -0.029 min
 Lab File: BF143518.D
 Acq: 21 Aug 2025 09:21

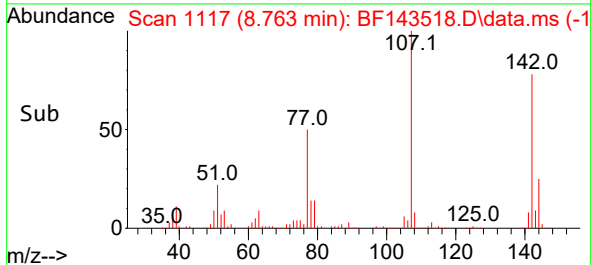
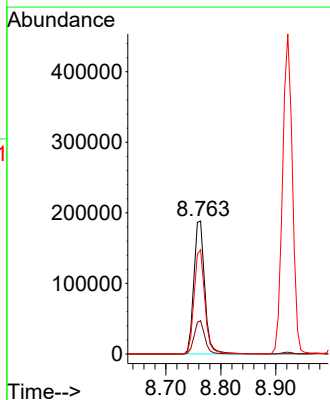
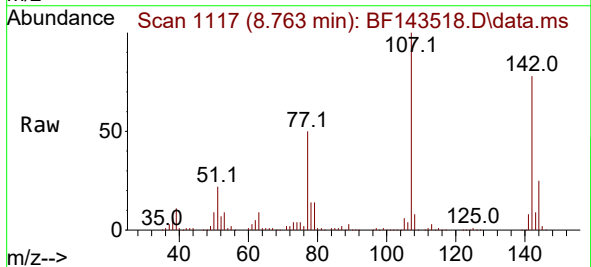
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

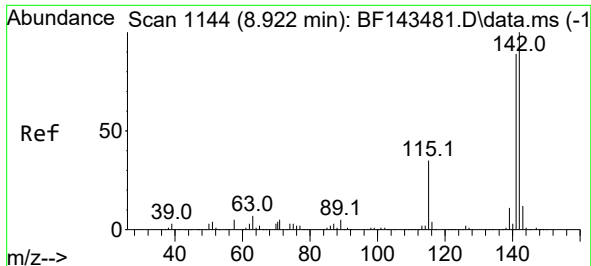
Tgt Ion:113 Resp: 69912
 Ion Ratio Lower Upper
 113 100
 55 186.1 162.8 202.8
 56 140.2 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 40.144 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143518.D
 Acq: 21 Aug 2025 09:21

Tgt Ion:107 Resp: 259690
 Ion Ratio Lower Upper
 107 100
 144 25.1 19.9 29.9
 142 78.3 61.8 92.8

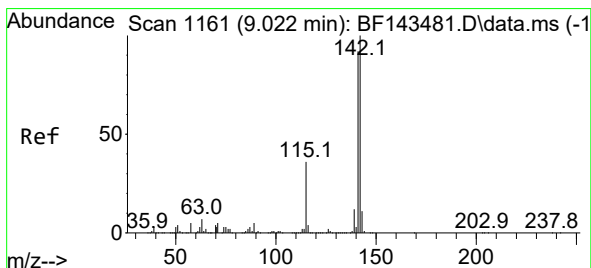
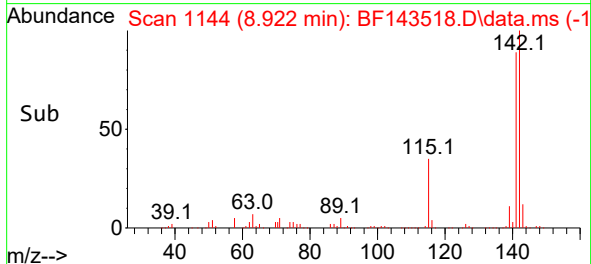
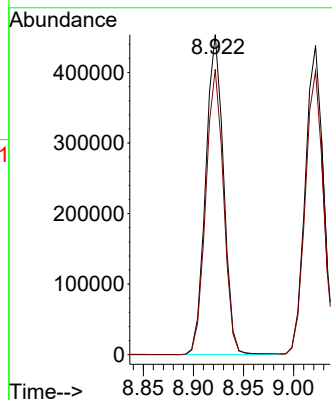
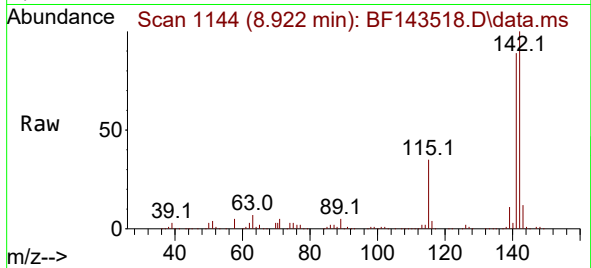




#37
2-Methylnaphthalene
Concen: 39.089 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

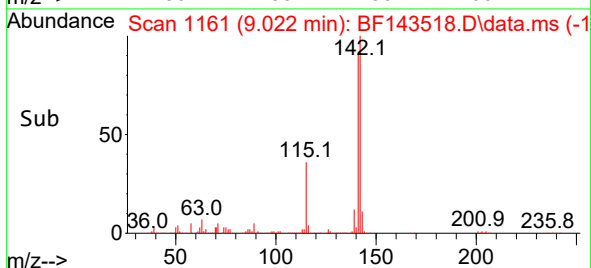
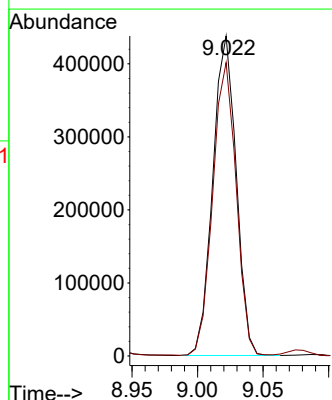
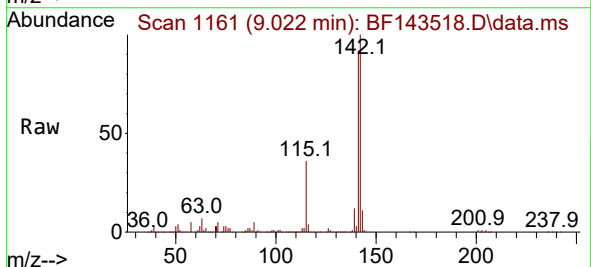
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

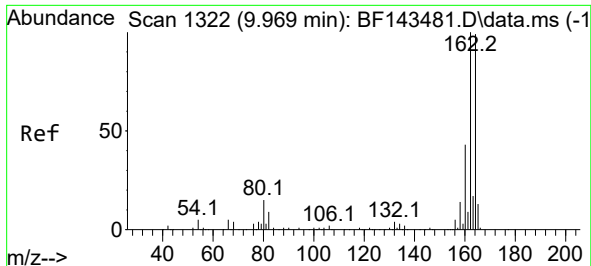
Tgt Ion:142 Resp: 562491
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.4



#38
1-Methylnaphthalene
Concen: 39.436 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:142 Resp: 542827
Ion Ratio Lower Upper
142 100
141 91.7 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

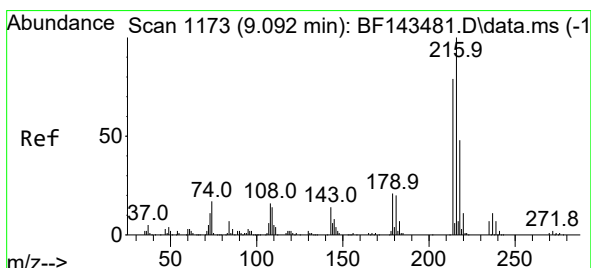
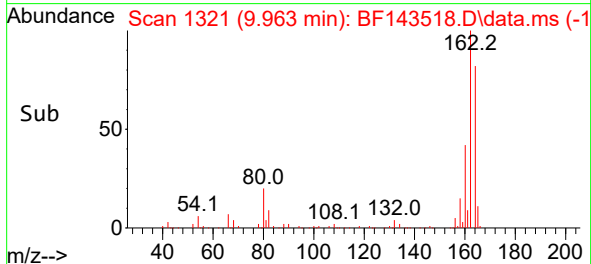
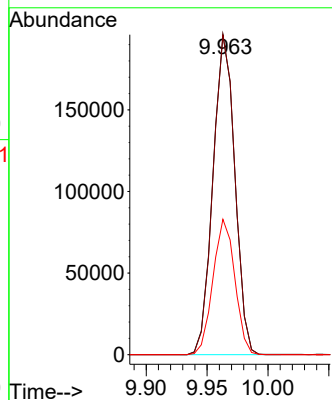
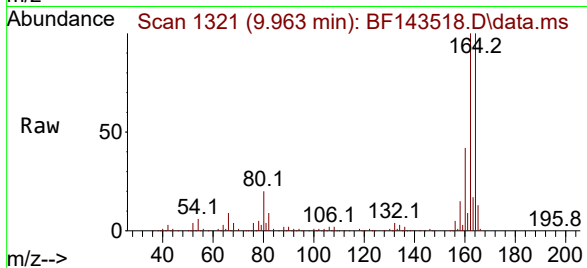
Tgt Ion:164 Resp: 244595

Ion Ratio Lower Upper

164 100

162 99.9 80.5 120.7

160 42.3 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.693 ng

RT: 9.086 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Tgt Ion:216 Resp: 277705

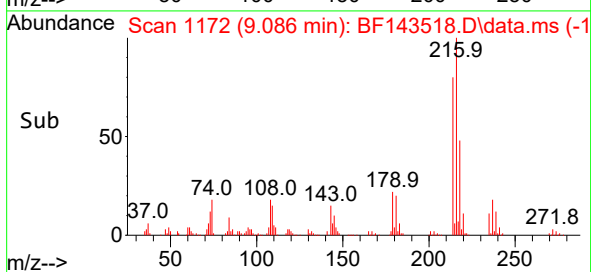
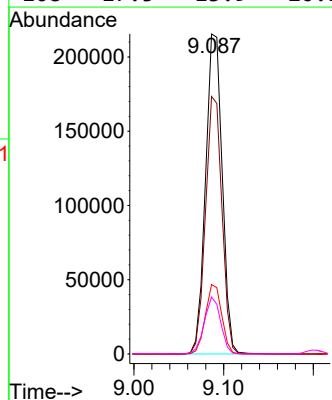
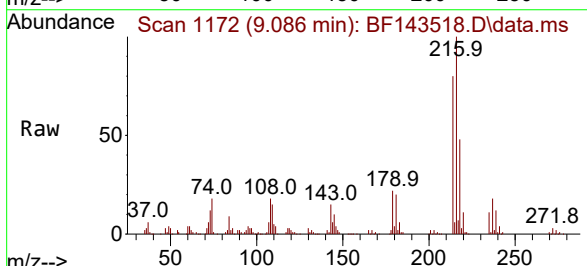
Ion Ratio Lower Upper

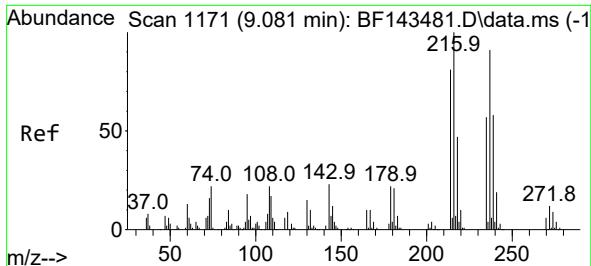
216 100

214 79.4 63.4 95.0

179 21.3 16.5 24.7

108 17.5 13.9 20.9

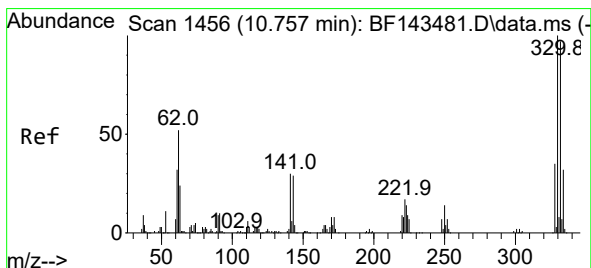
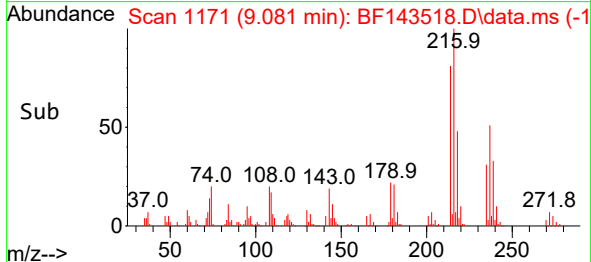
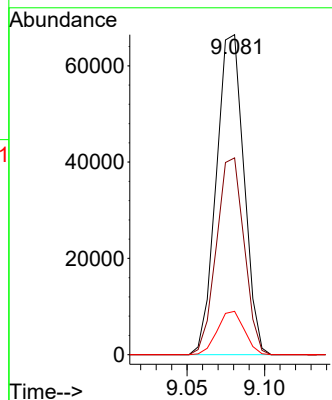
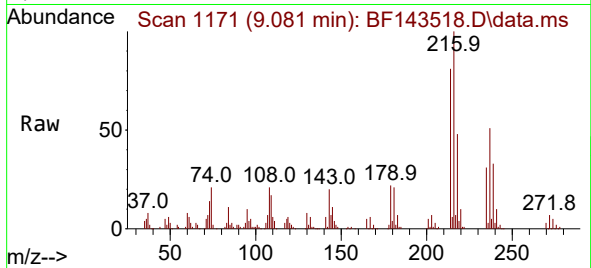




#41
Hexachlorocyclopentadiene
Concen: 34.356 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

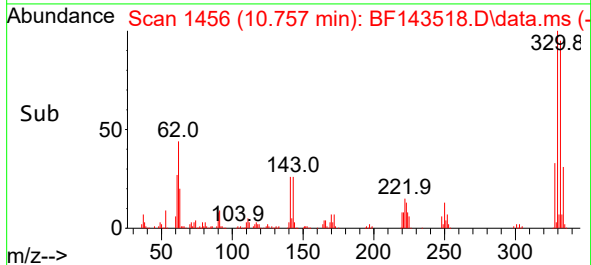
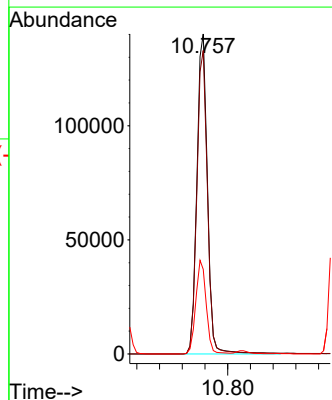
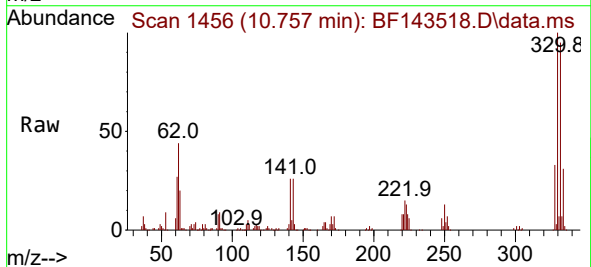
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

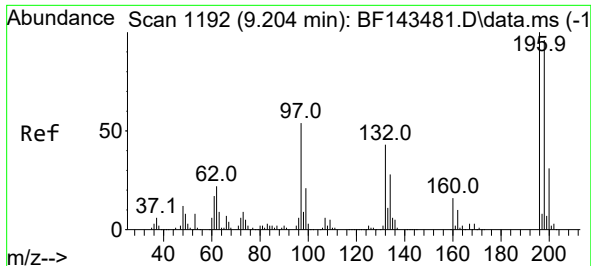
Tgt Ion: 237 Resp: 82522
Ion Ratio Lower Upper
237 100
235 61.5 42.6 82.6
272 13.6 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 79.836 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 330 Resp: 181773
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 29.0 23.7 35.5

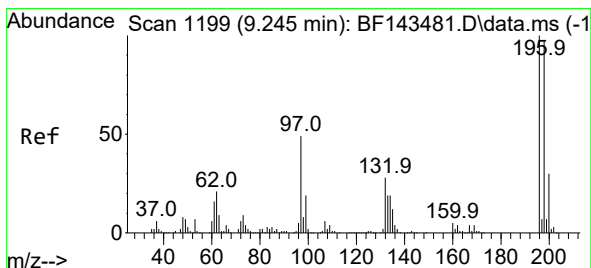
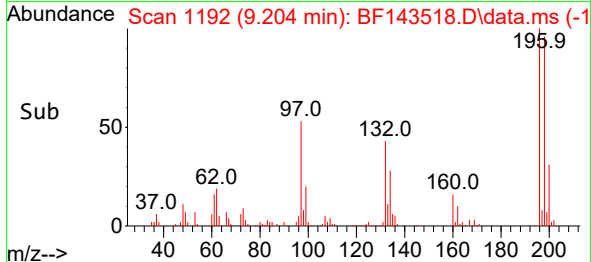
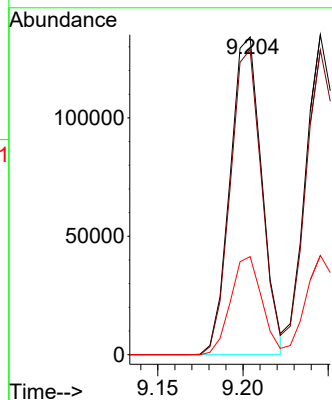
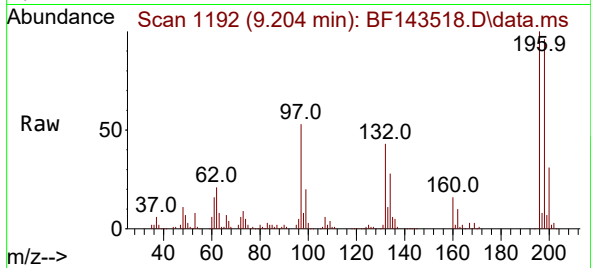




#43
2,4,6-Trichlorophenol
Concen: 40.335 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

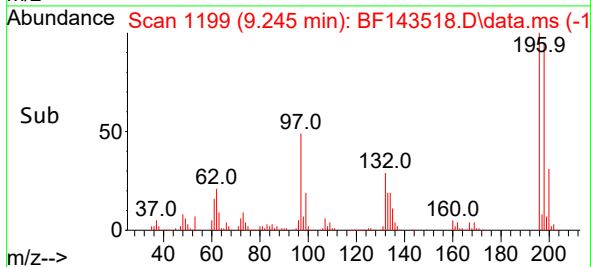
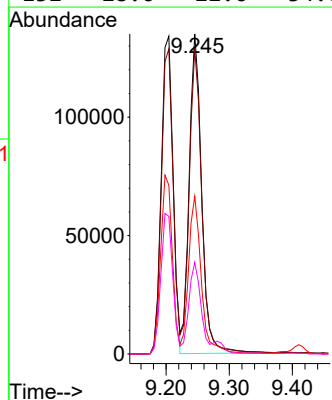
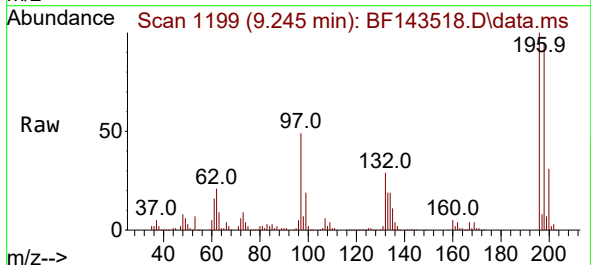
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

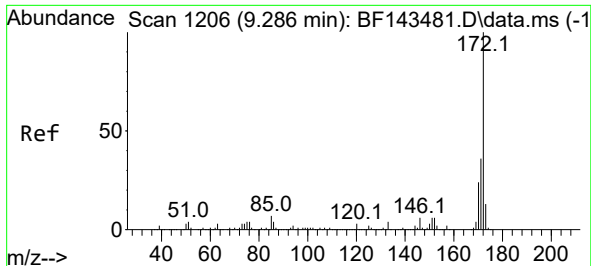
Tgt Ion:196 Resp: 173645
Ion Ratio Lower Upper
196 100
198 96.0 77.0 115.4
200 30.9 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 39.568 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:196 Resp: 186067
Ion Ratio Lower Upper
196 100
198 95.3 77.3 115.9
97 49.2 40.0 60.0
132 28.6 22.6 34.0

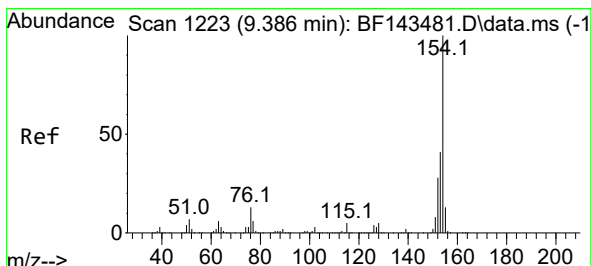
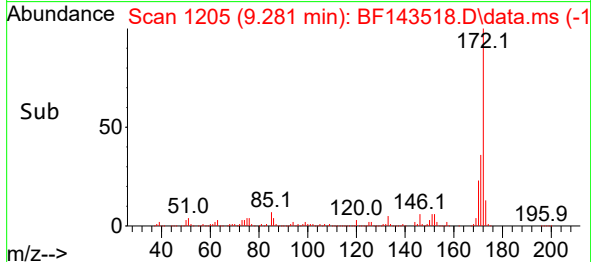
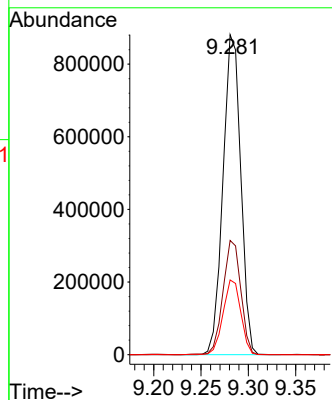
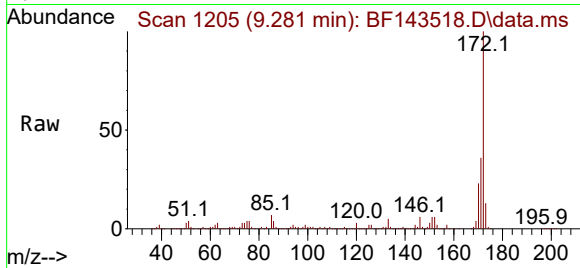




#45
2-Fluorobiphenyl
Concen: 77.819 ng
RT: 9.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

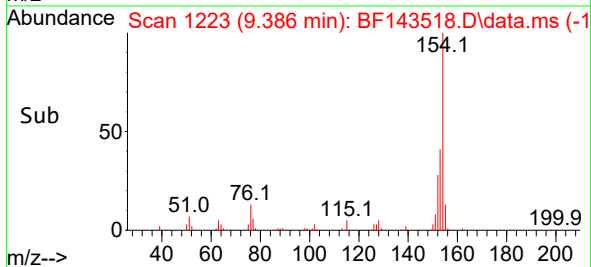
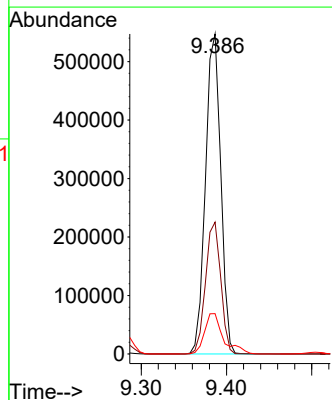
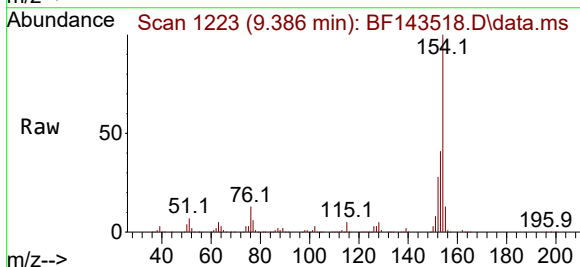
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

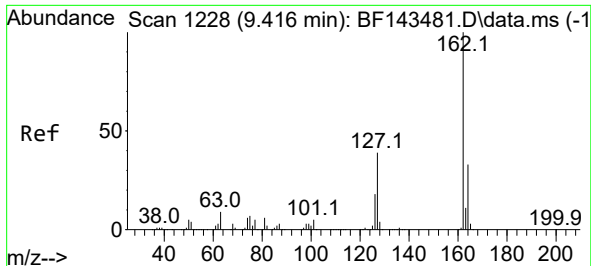
Tgt Ion:172 Resp: 1151723
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.4 18.8 28.2



#46
1,1'-Biphenyl
Concen: 39.203 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:154 Resp: 680592
Ion Ratio Lower Upper
154 100
153 41.2 20.6 60.6
76 12.6 0.0 33.0





#47

2-Chloronaphthalene

Concen: 39.372 ng

RT: 9.410 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

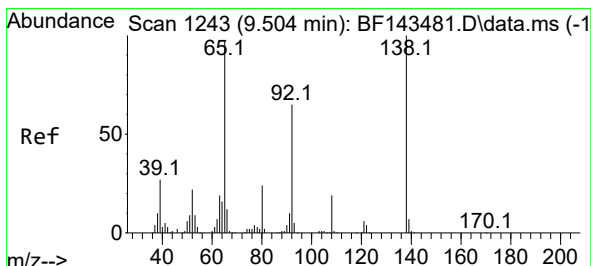
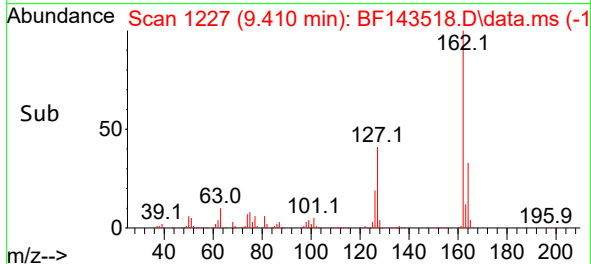
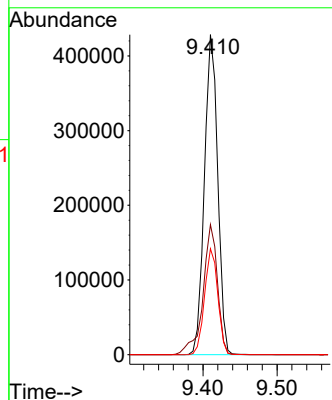
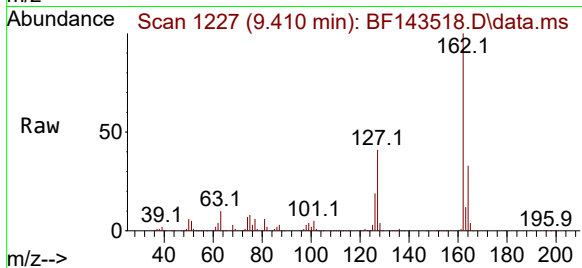
Tgt Ion:162 Resp: 536315

Ion Ratio Lower Upper

162 100

127 40.7 31.8 47.6

164 33.1 26.4 39.6



#48

2-Nitroaniline

Concen: 41.078 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

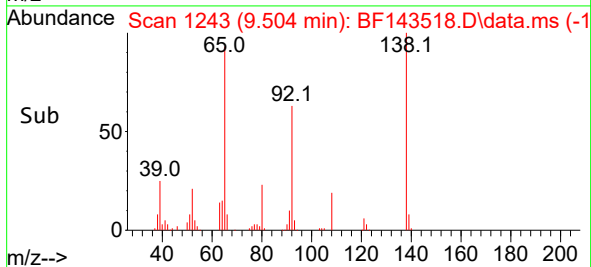
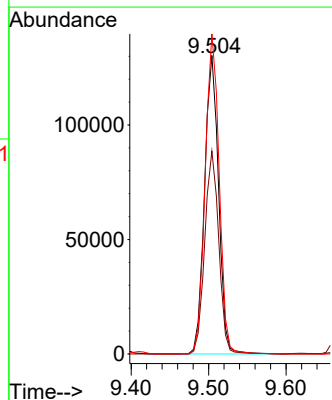
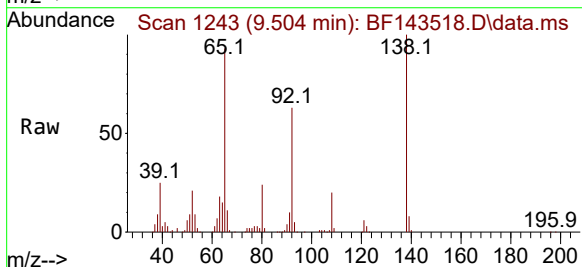
Tgt Ion: 65 Resp: 163759

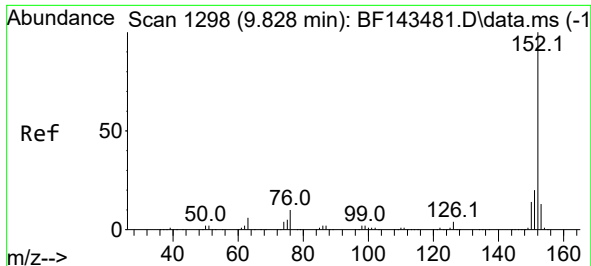
Ion Ratio Lower Upper

65 100

92 67.9 53.8 80.6

138 107.2 82.4 123.6





#49

Acenaphthylene

Concen: 39.570 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

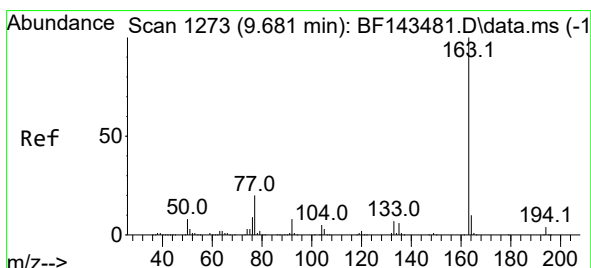
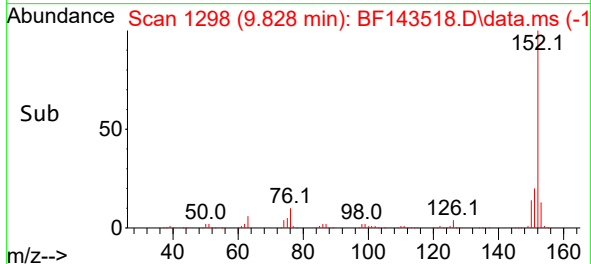
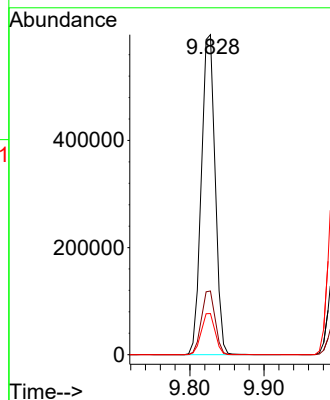
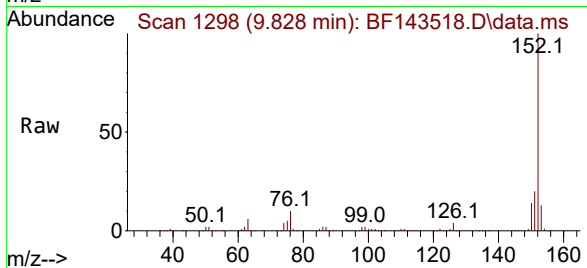
Tgt Ion:152 Resp: 771789

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 12.8 10.6 15.8



#50

Dimethylphthalate

Concen: 41.504 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

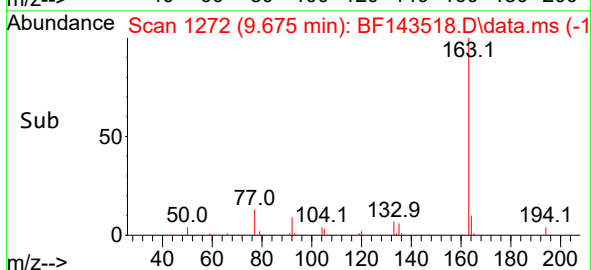
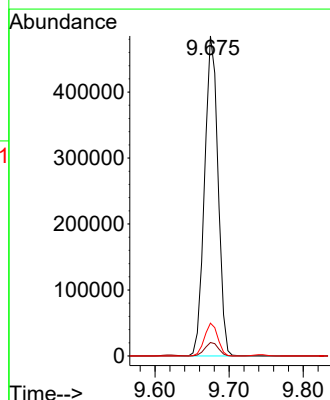
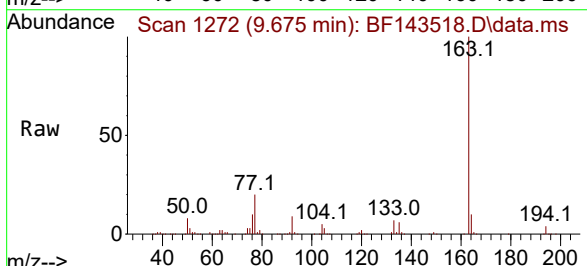
Tgt Ion:163 Resp: 611411

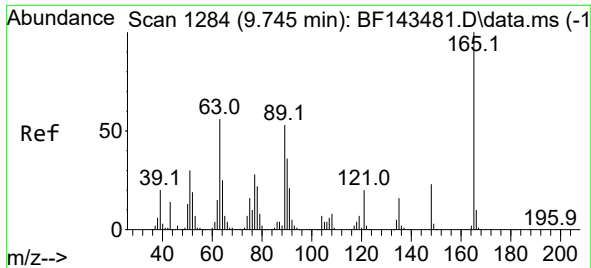
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.3 8.2 12.2

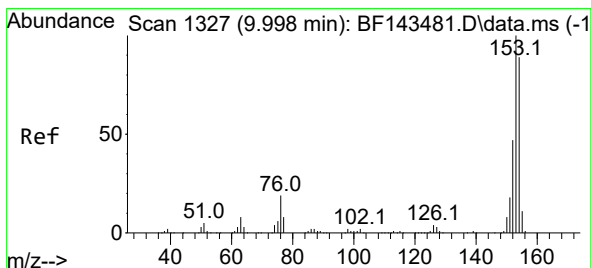
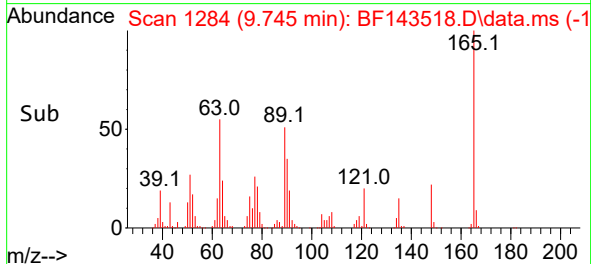
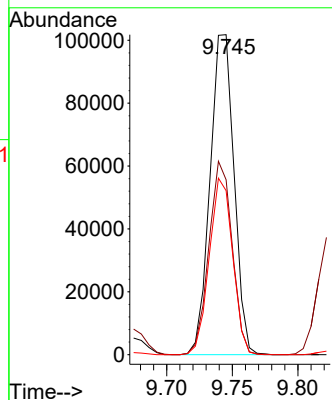
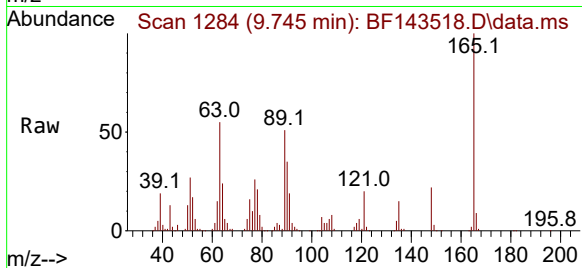




#51
2,6-Dinitrotoluene
Concen: 42.495 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

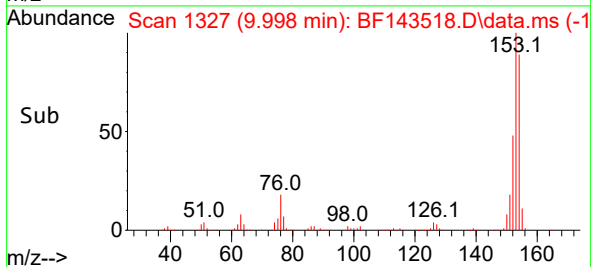
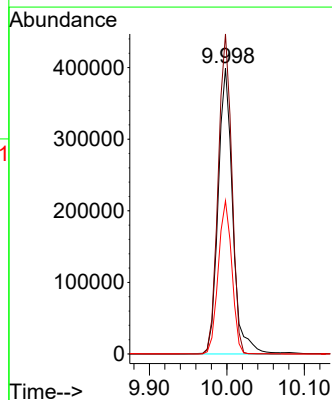
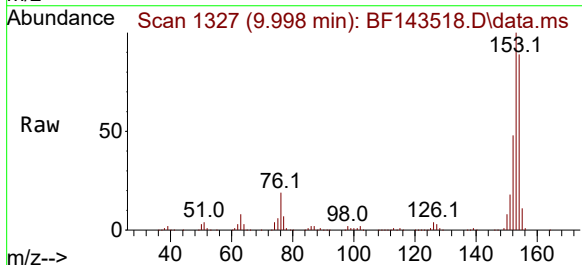
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

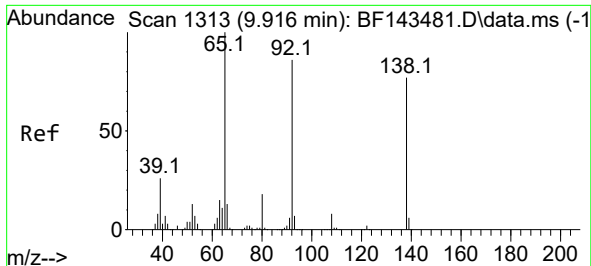
Tgt Ion:165 Resp: 129744
Ion Ratio Lower Upper
165 100
63 54.6 45.0 67.6
89 51.3 42.5 63.7



#52
Acenaphthene
Concen: 39.417 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:154 Resp: 521988
Ion Ratio Lower Upper
154 100
153 111.9 89.5 134.3
152 53.5 42.5 63.7

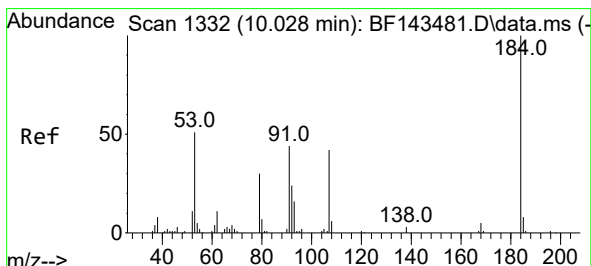
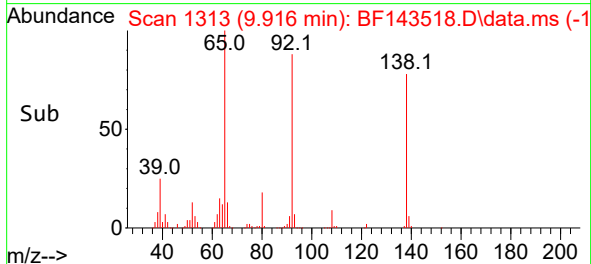
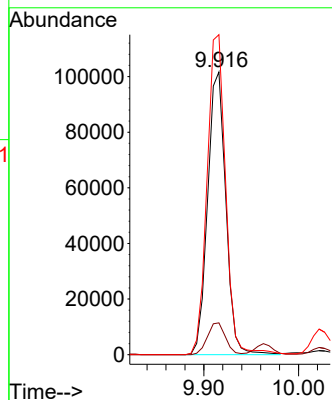
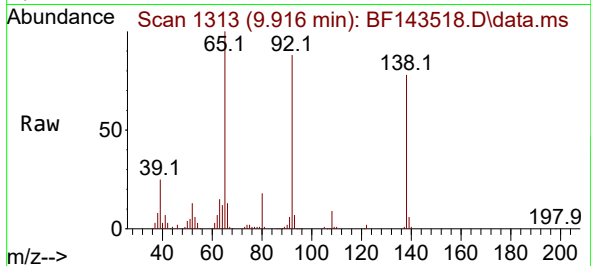




#53
3-Nitroaniline
Concen: 41.155 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

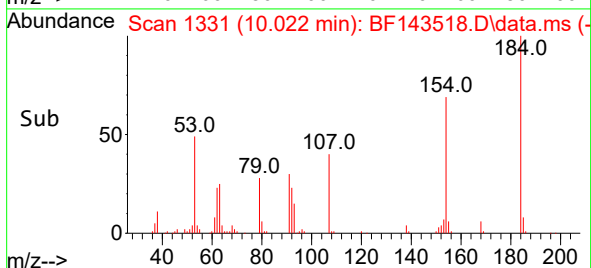
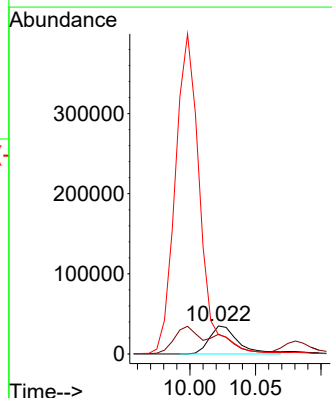
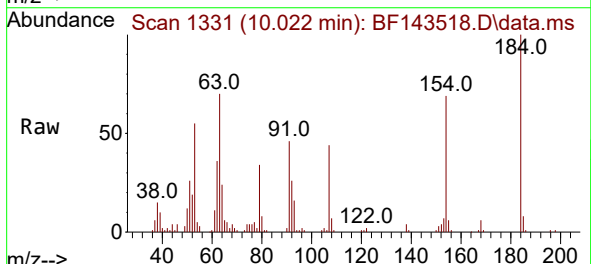
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

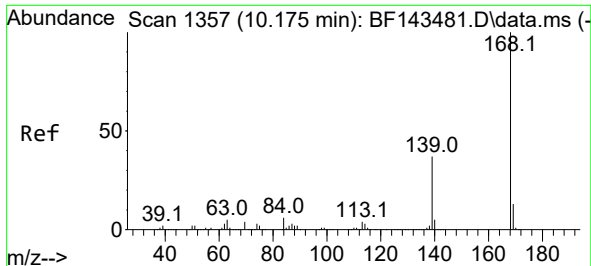
Tgt Ion:138 Resp: 135772
Ion Ratio Lower Upper
138 100
108 11.3 8.6 13.0
92 113.2 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 35.824 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

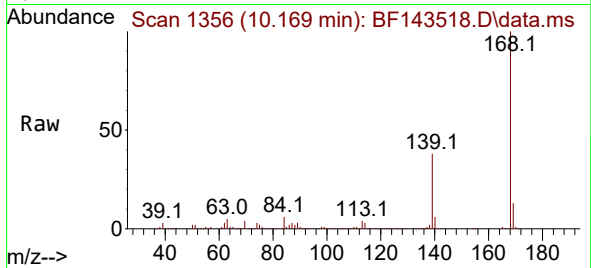
Tgt Ion:184 Resp: 53382
Ion Ratio Lower Upper
184 100
63 70.3 52.6 78.8
154 69.5 51.0 76.4



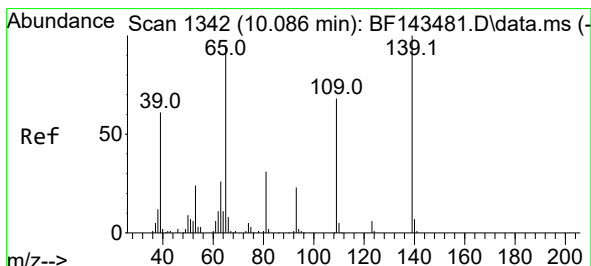
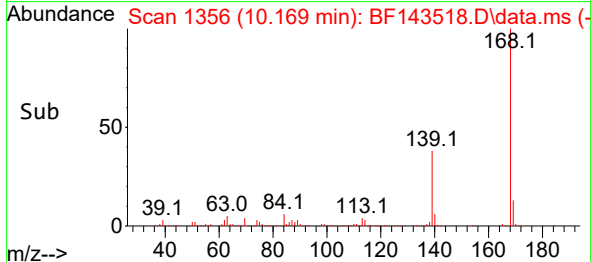
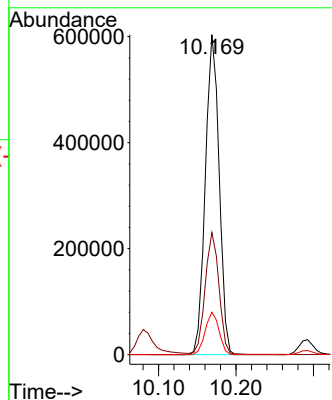


#55
Dibenzofuran
Concen: 39.509 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

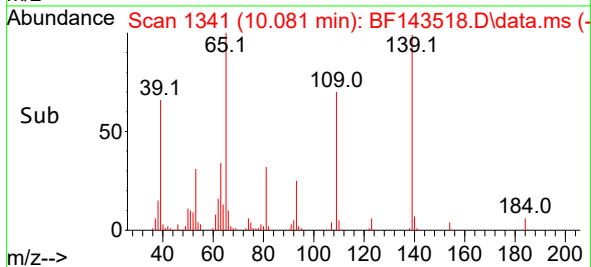
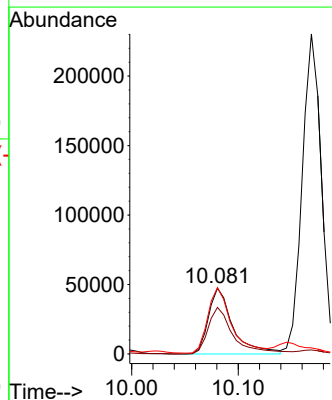
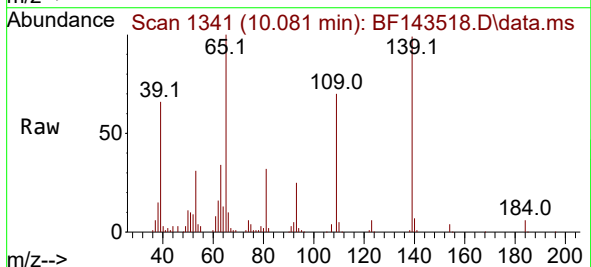


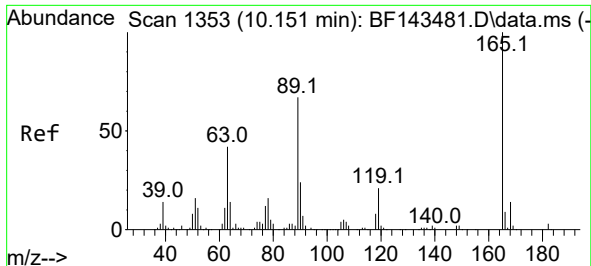
Tgt Ion:168 Resp: 745949
Ion Ratio Lower Upper
168 100
139 38.2 29.8 44.6
169 13.2 10.8 16.2



#56
4-Nitrophenol
Concen: 38.513 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:139 Resp: 75600
Ion Ratio Lower Upper
139 100
109 70.9 48.2 88.2
65 101.2 75.8 115.8





#57

2,4-Dinitrotoluene

Concen: 42.812 ng

RT: 10.145 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143518.D

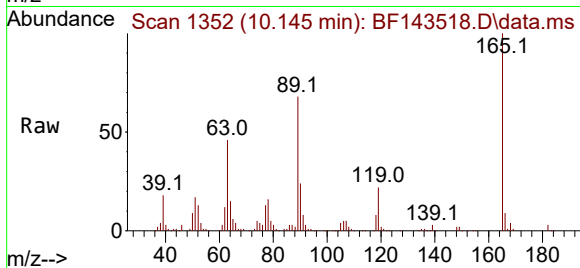
Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:165 Resp: 174534

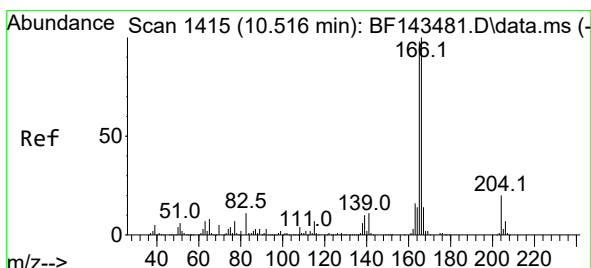
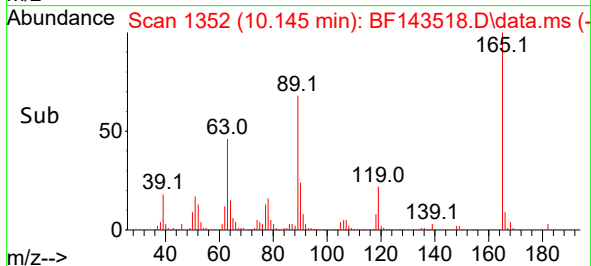
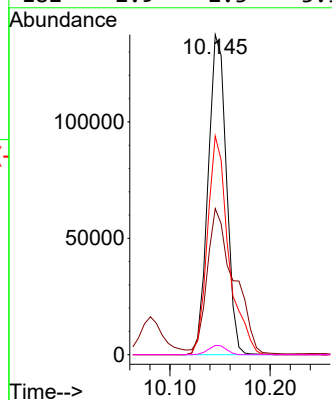
Ion Ratio Lower Upper

165 100

63 45.7 34.9 52.3

89 68.4 53.3 79.9

182 2.9 2.3 3.5



#58

Fluorene

Concen: 39.184 ng

RT: 10.516 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

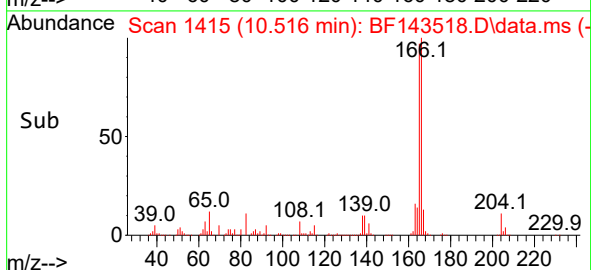
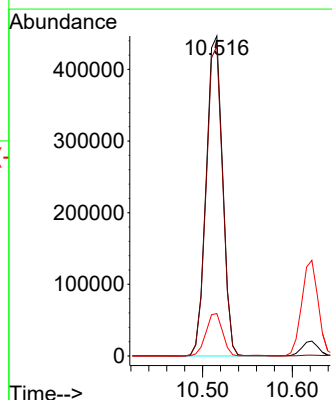
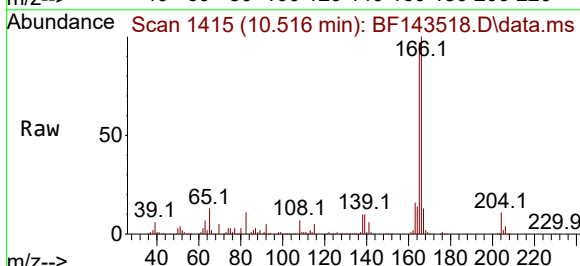
Tgt Ion:166 Resp: 569387

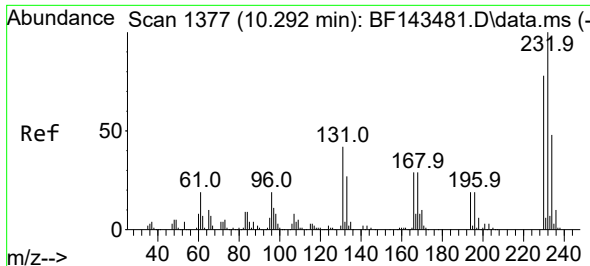
Ion Ratio Lower Upper

166 100

165 96.8 78.3 117.5

167 13.2 11.0 16.4

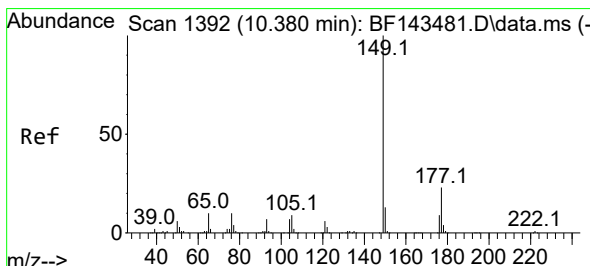
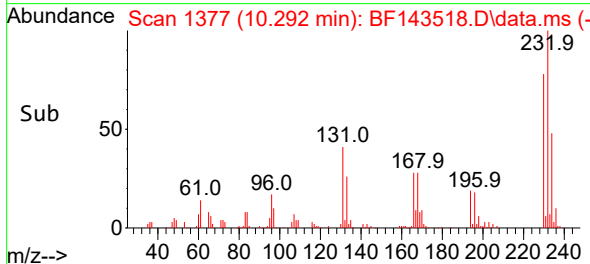
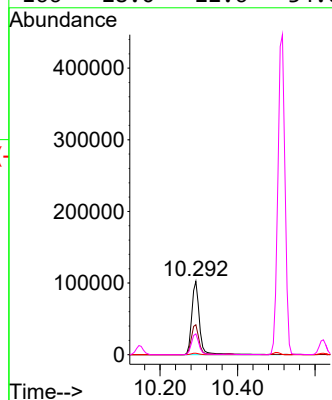
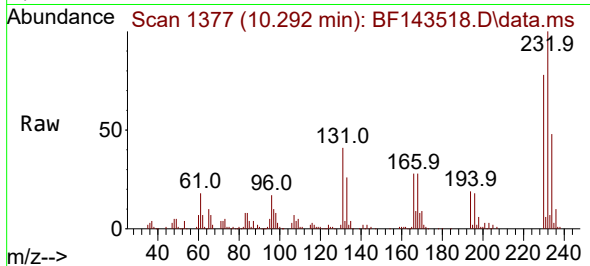




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.463 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

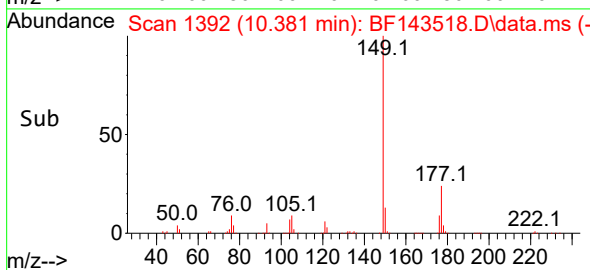
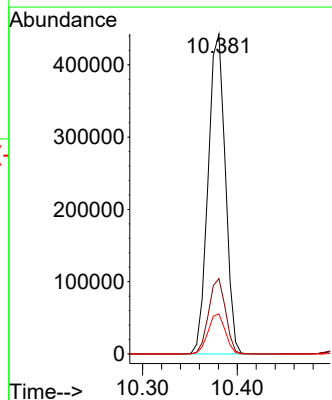
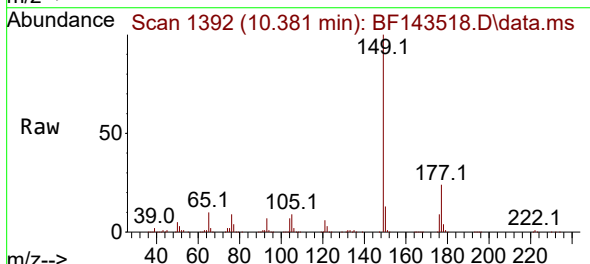
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

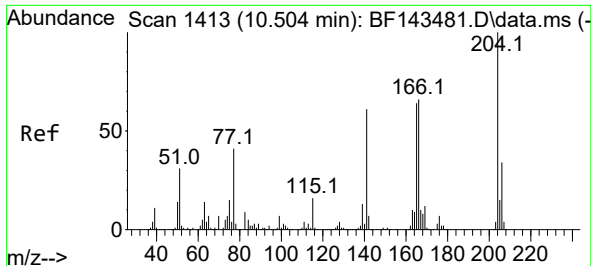
Tgt Ion:232 Resp: 141362
Ion Ratio Lower Upper
232 100
131 40.6 32.7 49.1
130 2.0 1.6 2.4
166 28.0 22.6 34.0



#60
Diethylphthalate
Concen: 42.212 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 557513
Ion Ratio Lower Upper
149 100
177 23.5 18.3 27.5
150 12.5 10.3 15.5

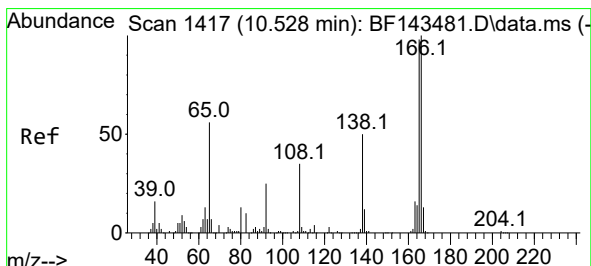
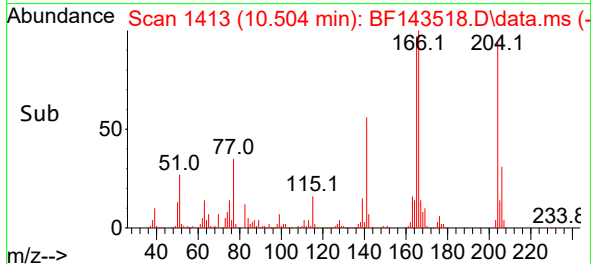
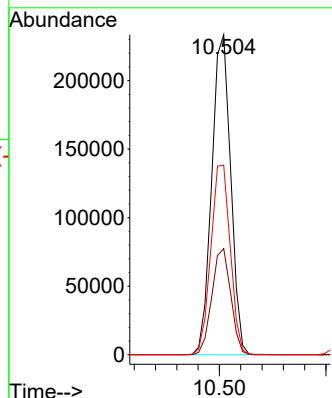
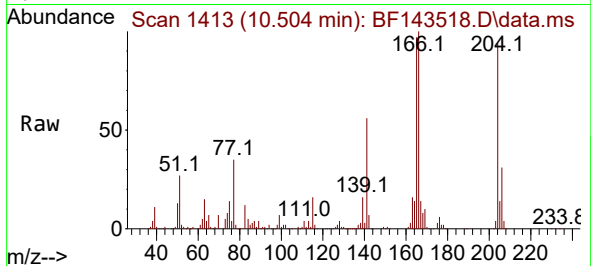




#61
4-Chlorophenyl-phenylether
Concen: 39.680 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

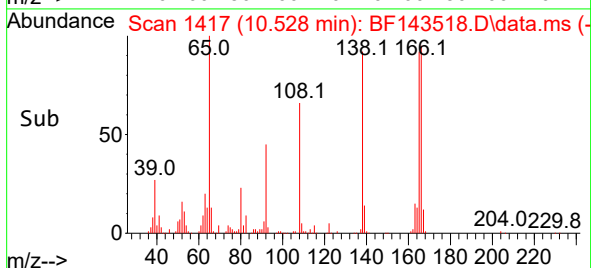
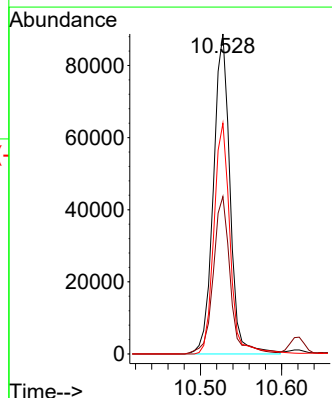
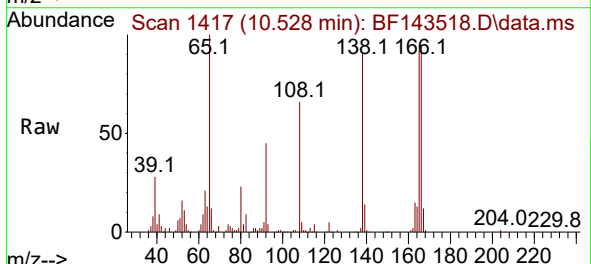
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

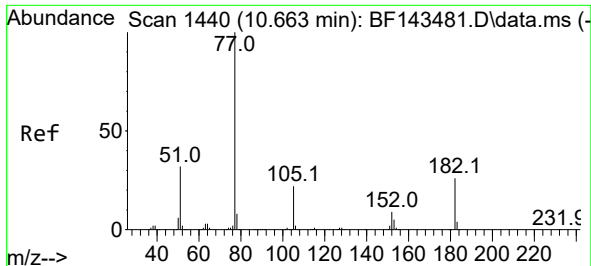
Tgt Ion:204 Resp: 288368
Ion Ratio Lower Upper
204 100
206 33.1 27.0 40.4
141 59.3 48.7 73.1



#62
4-Nitroaniline
Concen: 41.677 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:138 Resp: 126293
Ion Ratio Lower Upper
138 100
92 49.2 29.3 69.3
108 72.1 50.7 90.7

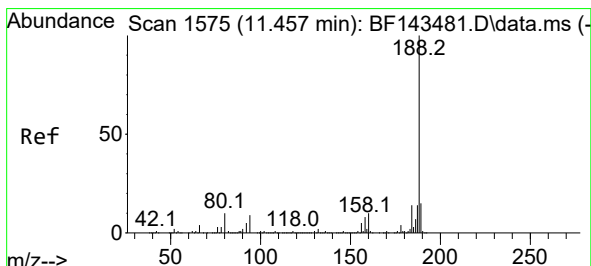
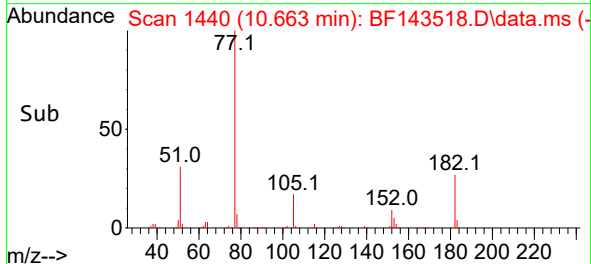
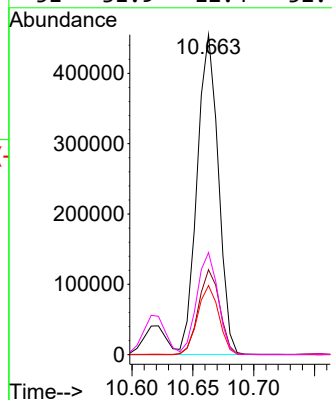
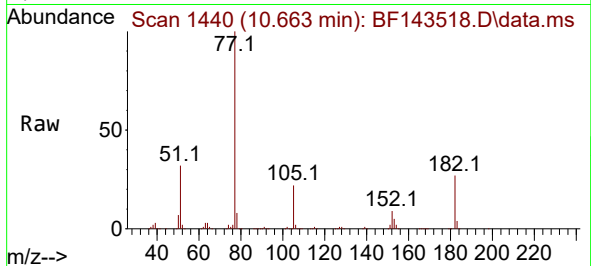




#63
Azobenzene
Concen: 40.129 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

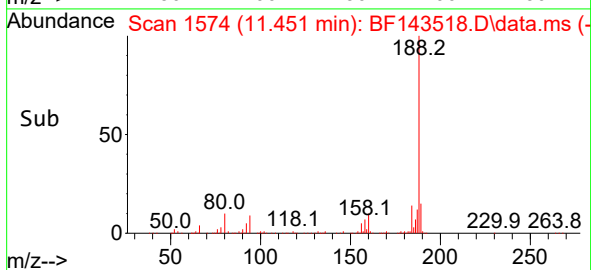
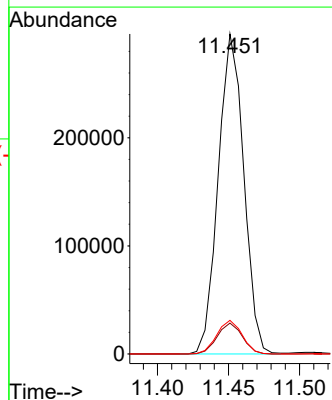
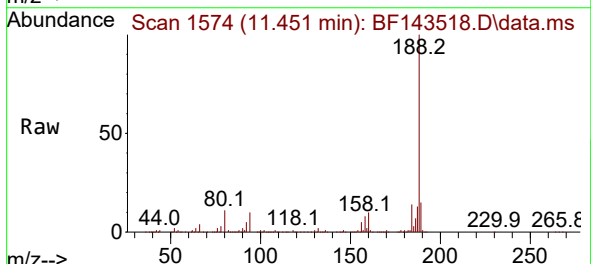
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

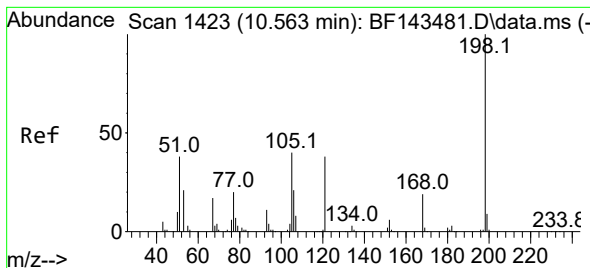
Tgt Ion:	77	Resp:	549552
Ion Ratio	Lower	Upper	
77	100		
182	26.6	6.2	46.2
105	21.6	2.2	42.2
51	31.9	12.4	52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:	188	Resp:	369706
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.4	11.2
80	10.5	8.2	12.4

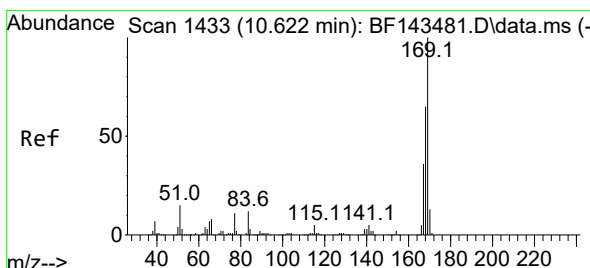
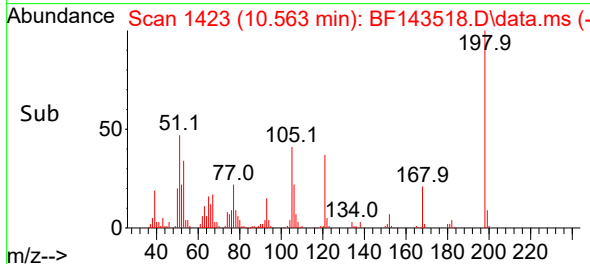
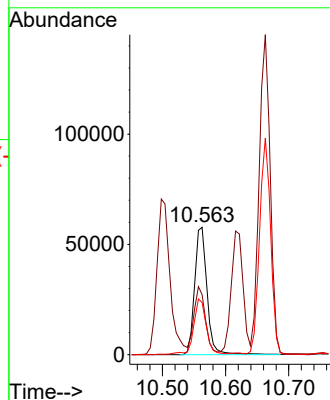
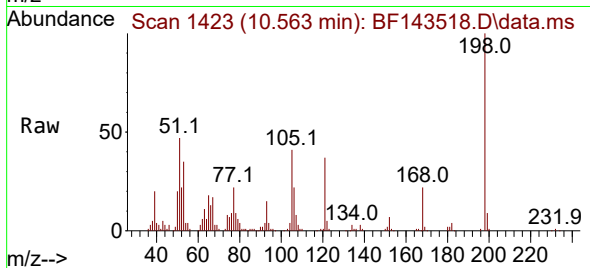




#65
4,6-Dinitro-2-methylphenol
Concen: 37.928 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

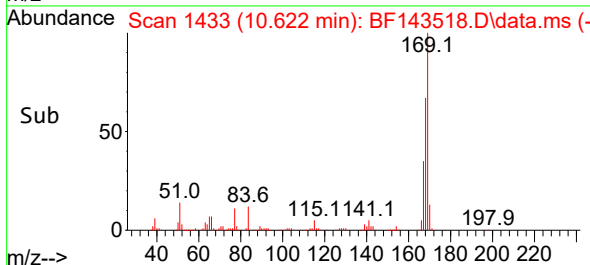
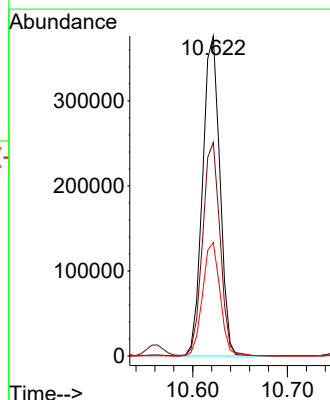
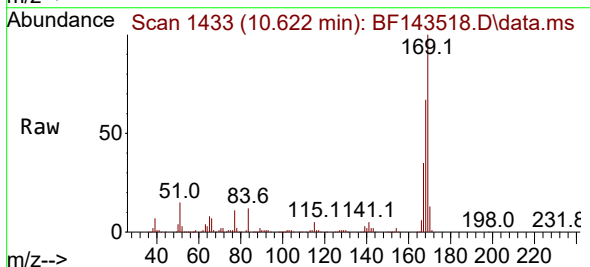
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

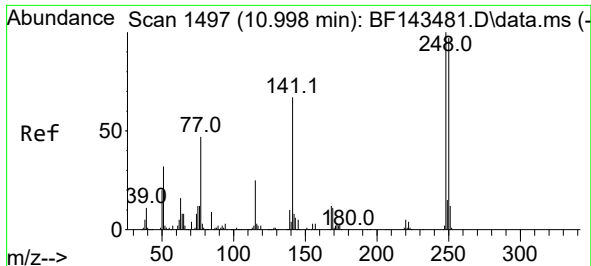
Tgt Ion:198 Resp: 79062
Ion Ratio Lower Upper
198 100
51 47.1 29.6 69.6
105 41.0 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 40.110 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:169 Resp: 477218
Ion Ratio Lower Upper
169 100
168 66.8 52.4 78.6
167 35.5 28.9 43.3

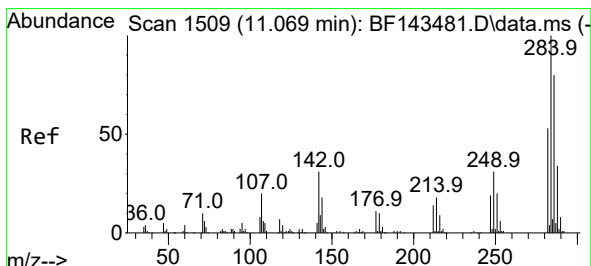
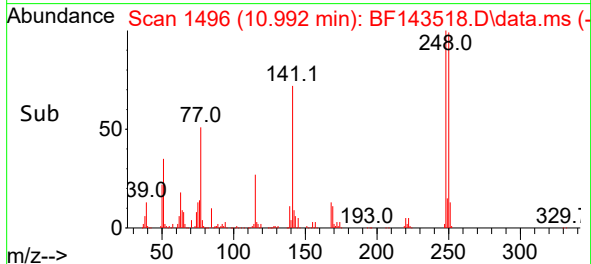
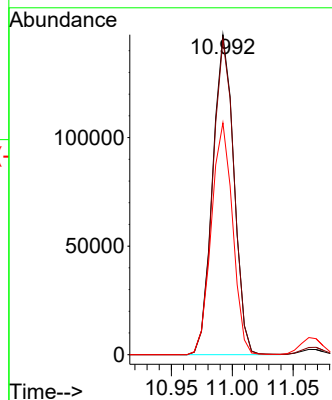
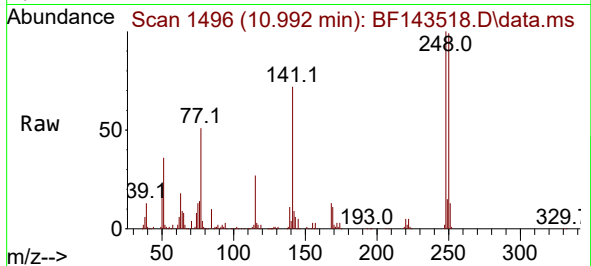




#67
4-Bromophenyl-phenylether
Concen: 40.542 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

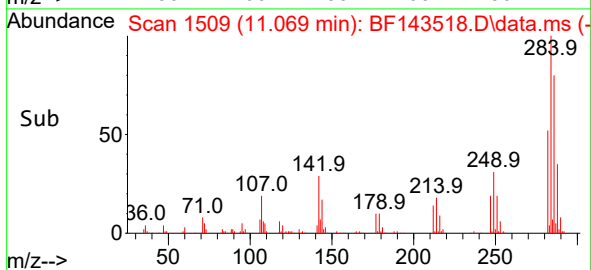
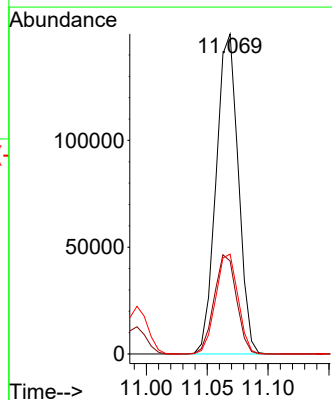
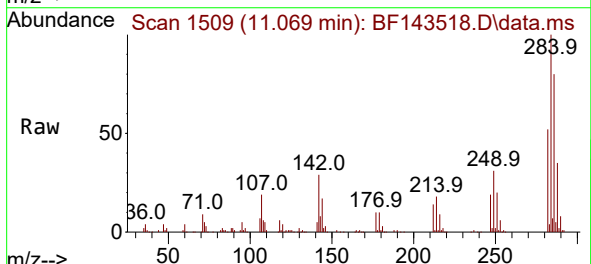
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

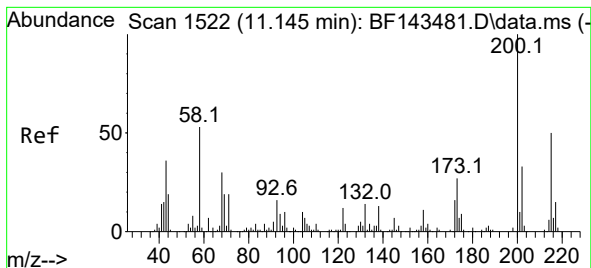
Tgt Ion:248 Resp: 178840
Ion Ratio Lower Upper
248 100
250 98.5 77.8 116.8
141 72.4 54.0 81.0



#68
Hexachlorobenzene
Concen: 39.979 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:284 Resp: 190099
Ion Ratio Lower Upper
284 100
142 29.0 24.4 36.6
249 31.2 25.0 37.6





#69

Atrazine

Concen: 46.846 ng

RT: 11.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

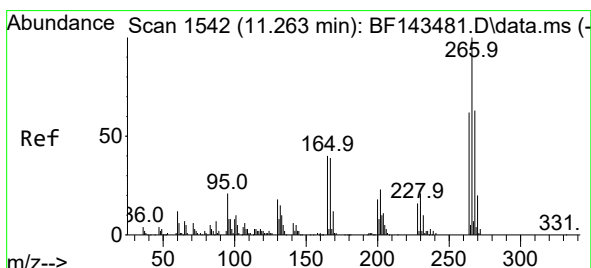
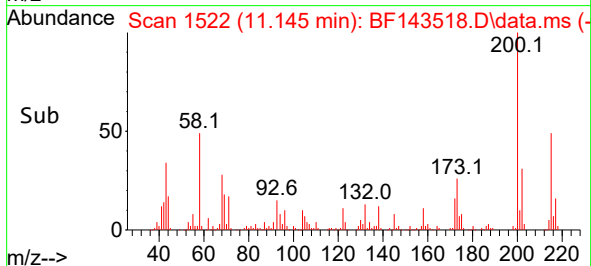
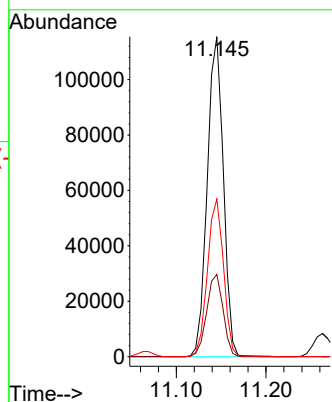
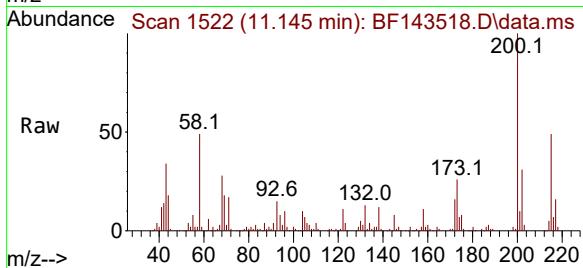
Tgt Ion:200 Resp: 143876

Ion Ratio Lower Upper

200 100

173 25.7 6.9 46.9

215 49.3 30.0 70.0



#70

Pentachlorophenol

Concen: 36.133 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

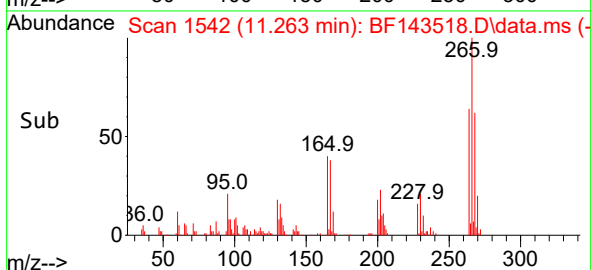
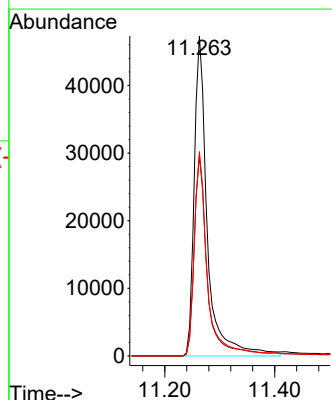
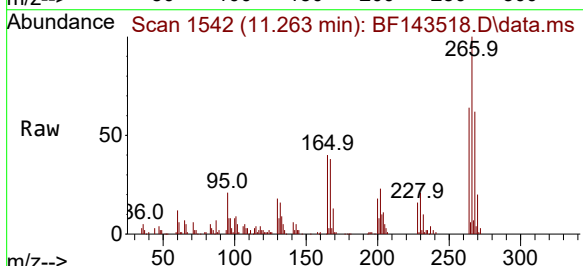
Tgt Ion:266 Resp: 78686

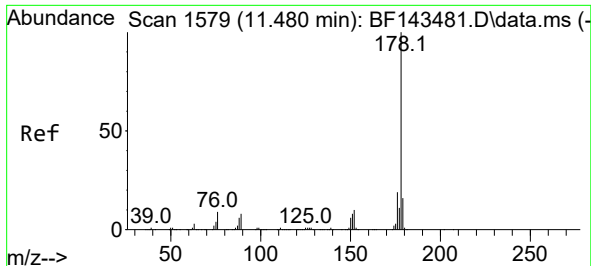
Ion Ratio Lower Upper

266 100

268 62.5 50.5 75.7

264 63.8 49.8 74.8

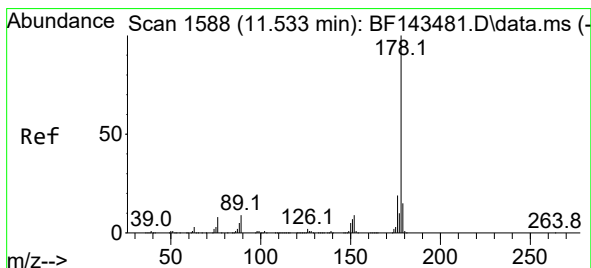
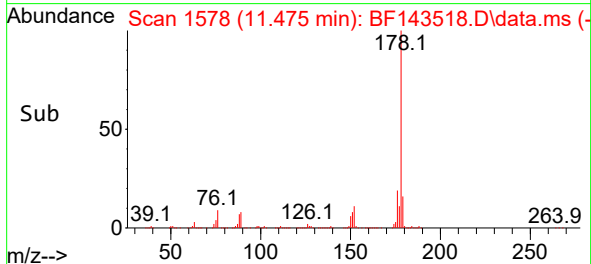
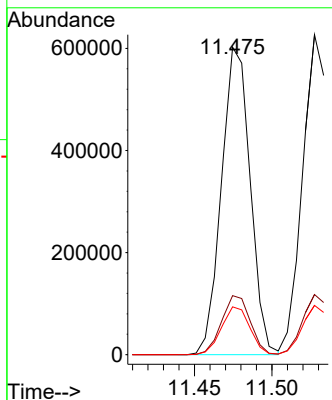
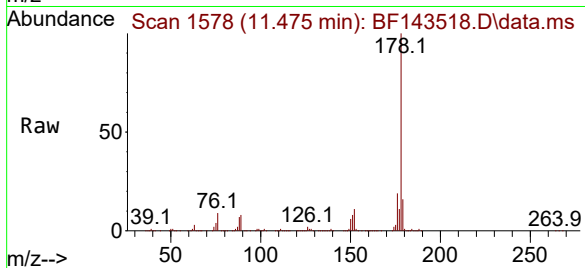




#71
Phenanthrene
Concen: 39.294 ng
RT: 11.475 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

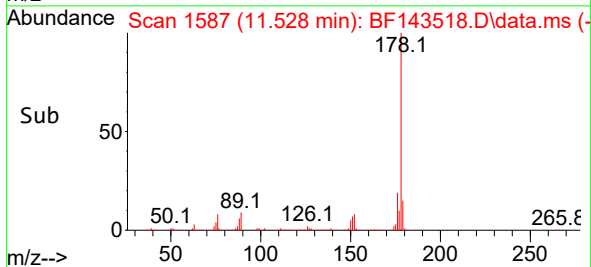
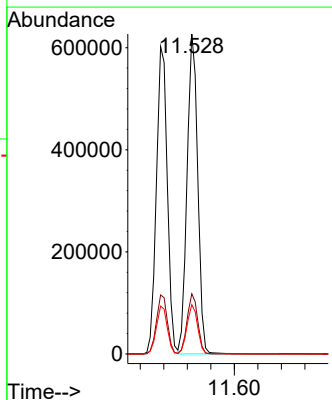
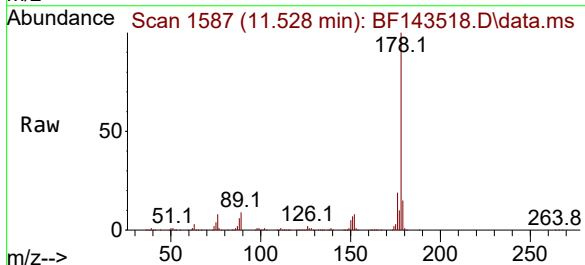
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

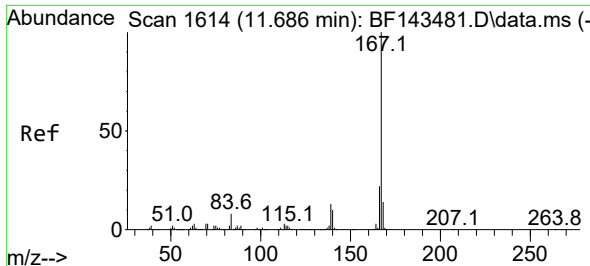
Tgt Ion:178 Resp: 777957
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.5 18.7



#72
Anthracene
Concen: 39.255 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:178 Resp: 787324
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.4 12.3 18.5

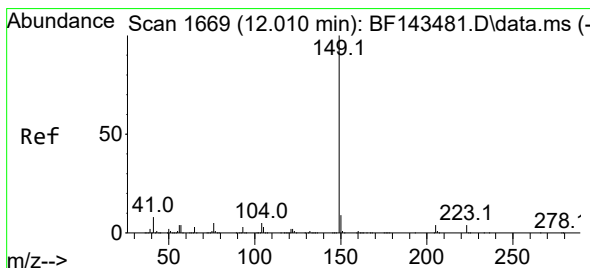
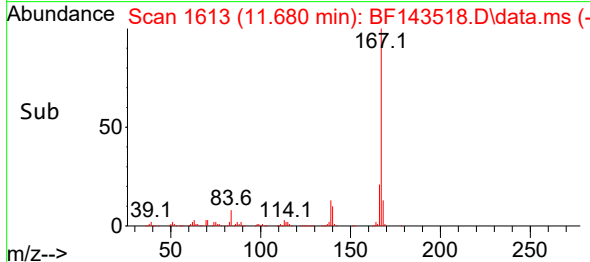
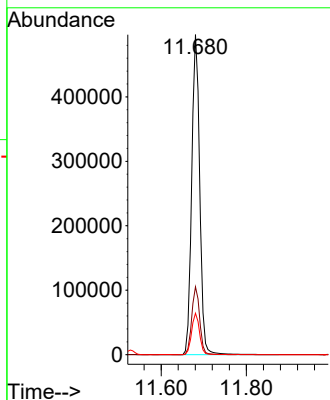
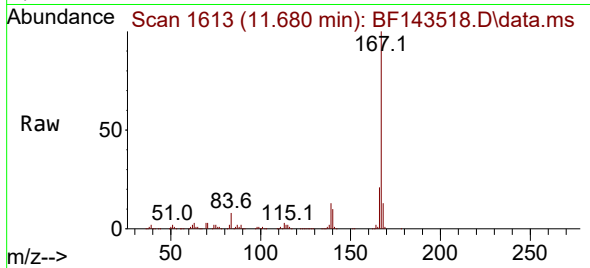




#73
Carbazole
Concen: 39.380 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

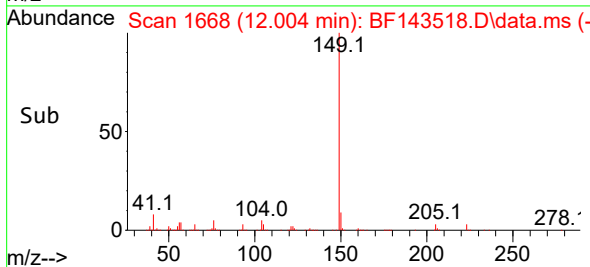
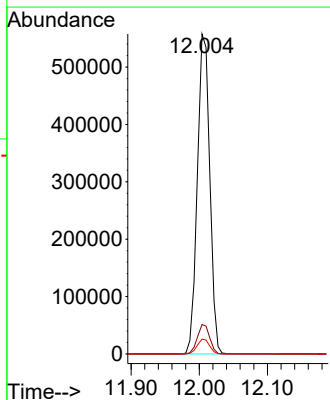
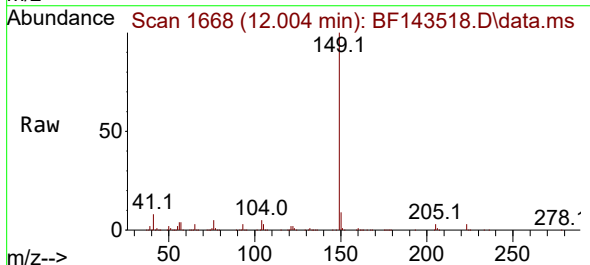
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

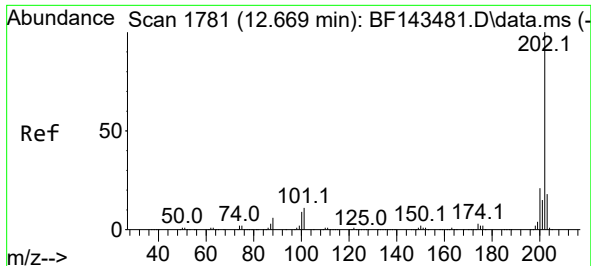
Tgt Ion:167 Resp: 647183
Ion Ratio Lower Upper
167 100
166 21.2 17.3 25.9
139 13.0 10.0 15.0



#74
Di-n-butylphthalate
Concen: 46.124 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 707138
Ion Ratio Lower Upper
149 100
150 9.2 7.2 10.8
104 4.7 3.6 5.4

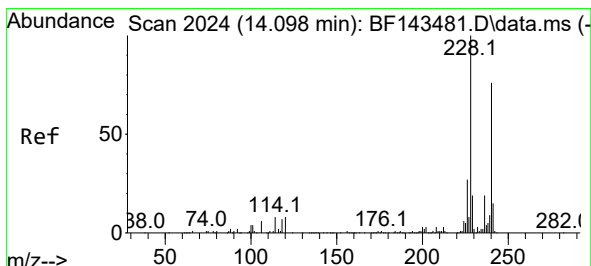
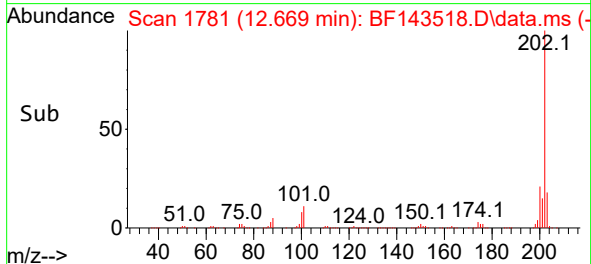
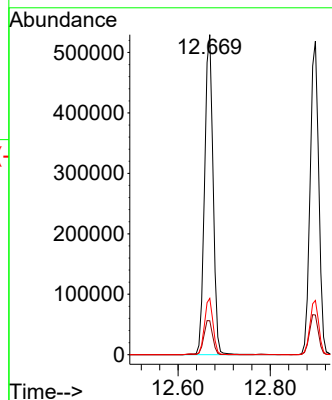
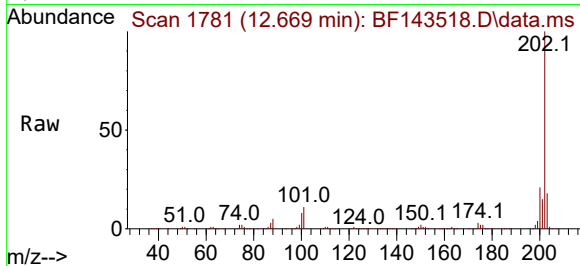




#75
Fluoranthene
Concen: 38.372 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

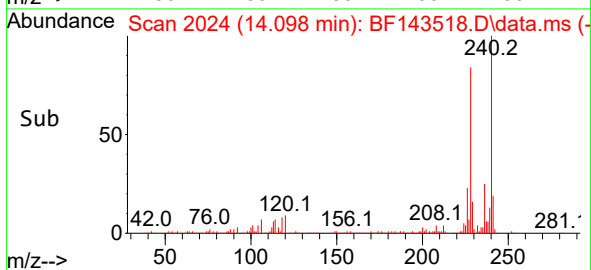
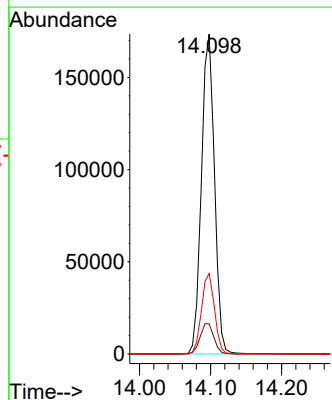
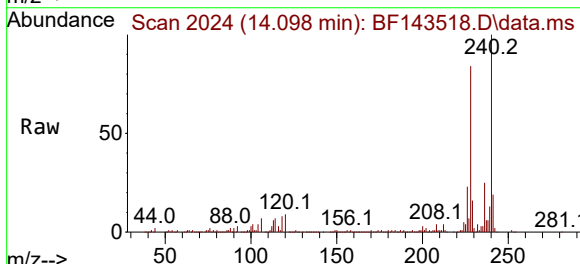
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

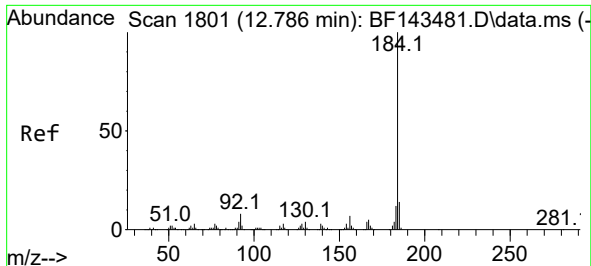
Tgt Ion:	202	Resp:	681682
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.3
203	17.6	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:	240	Resp:	222503
Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.6	12.8
236	25.2	20.4	30.6

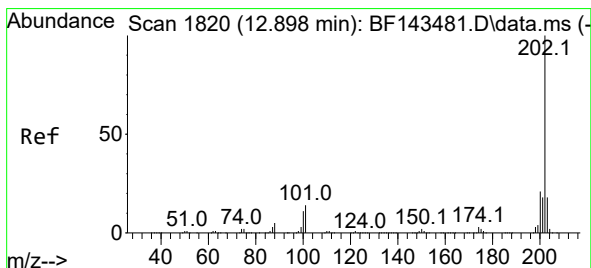
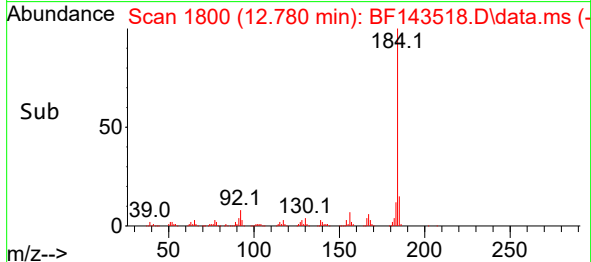
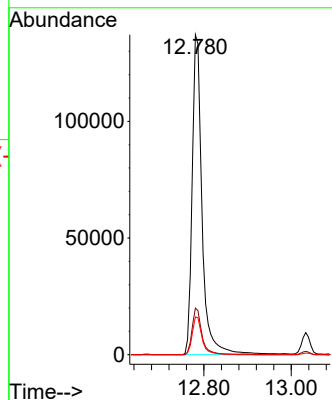
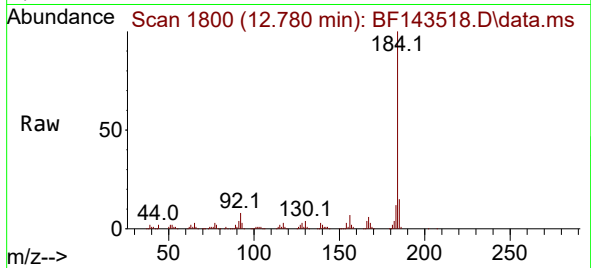




#77
Benzidine
Concen: 40.029 ng
RT: 12.780 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

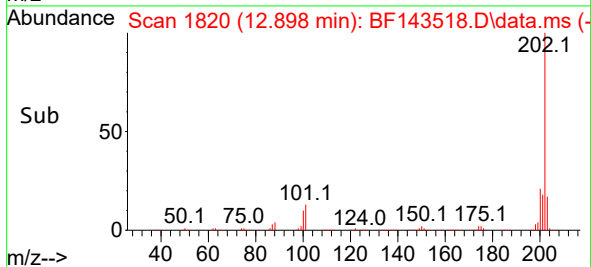
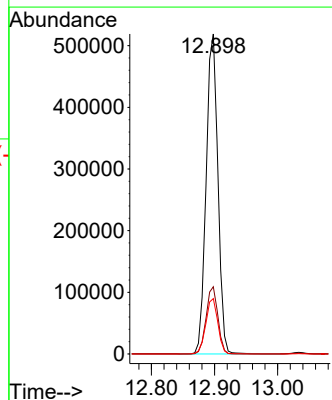
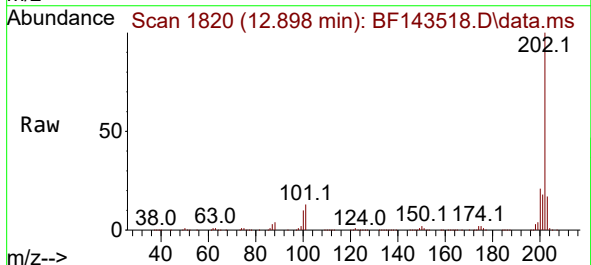
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

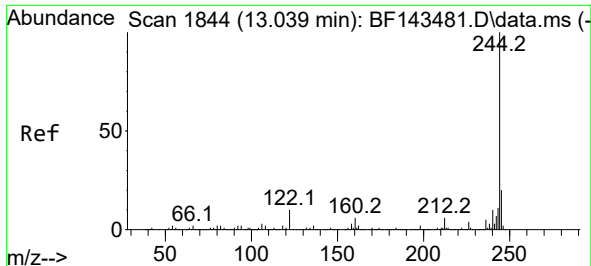
Tgt Ion:184 Resp: 216953
Ion Ratio Lower Upper
184 100
185 14.6 11.3 16.9
183 11.8 9.5 14.3



#78
Pyrene
Concen: 36.801 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:202 Resp: 673559
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.3 14.3 21.5

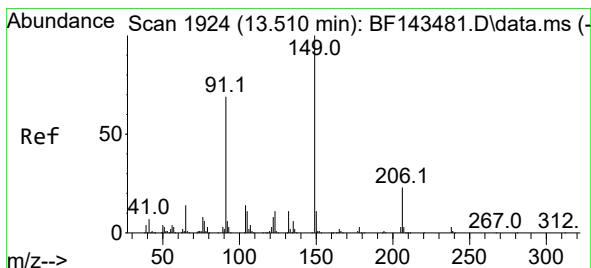
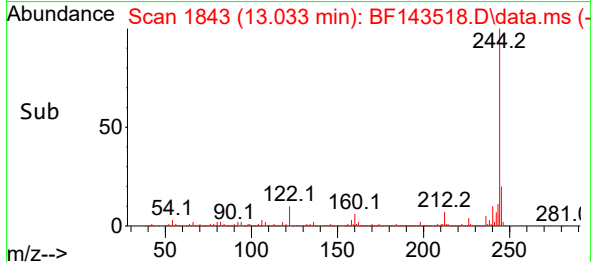
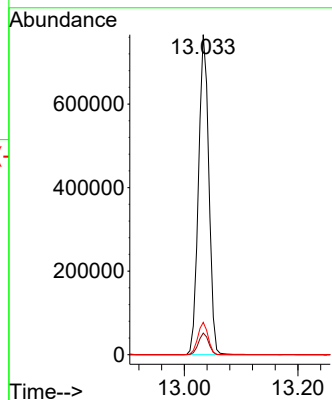
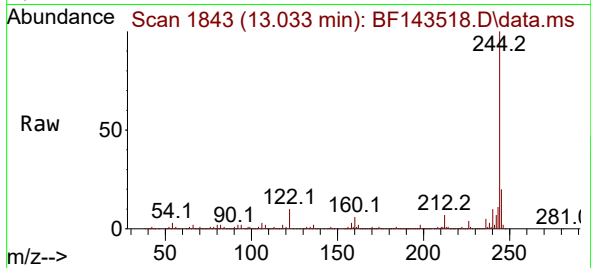




#79
Terphenyl-d14
Concen: 76.374 ng
RT: 13.033 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

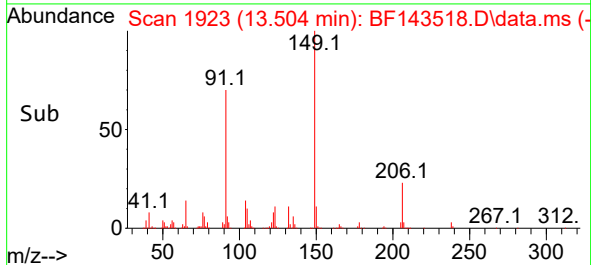
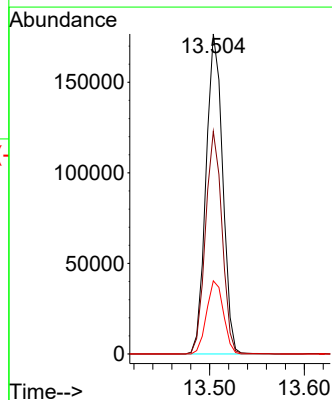
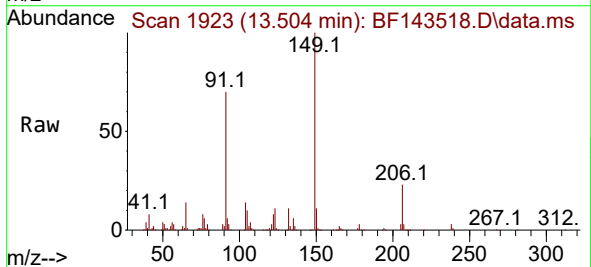
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

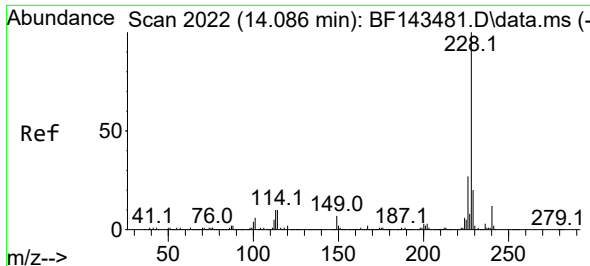
Tgt Ion:244 Resp: 973817
Ion Ratio Lower Upper
244 100
212 6.8 5.2 7.8
122 10.1 7.9 11.9



#80
Butylbenzylphthalate
Concen: 43.176 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 215877
Ion Ratio Lower Upper
149 100
91 69.5 55.3 82.9
206 22.9 18.2 27.4

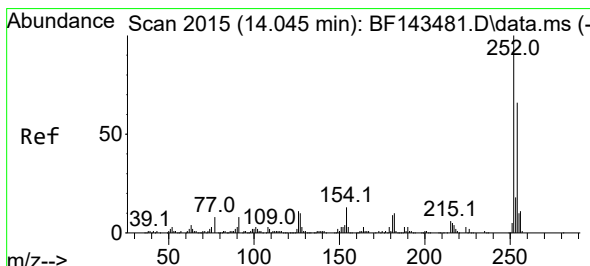
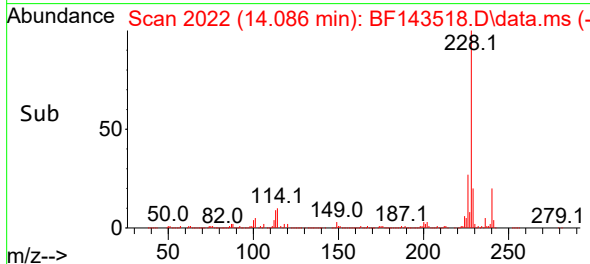
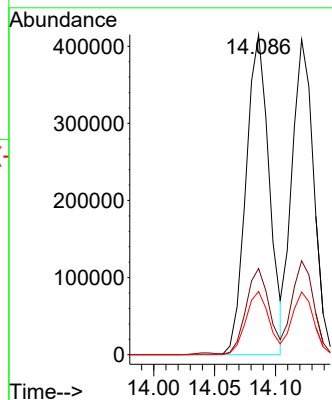
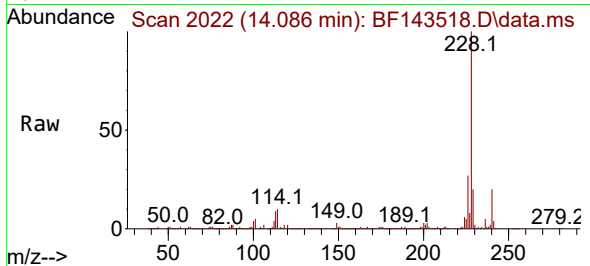




#81
Benzo(a)anthracene
Concen: 38.502 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

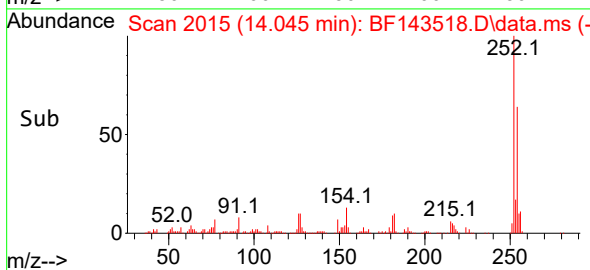
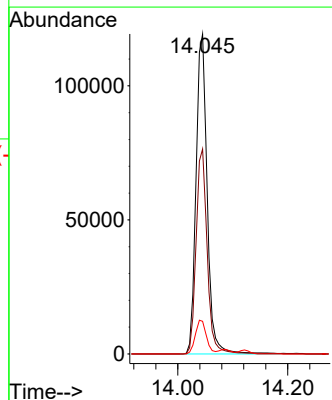
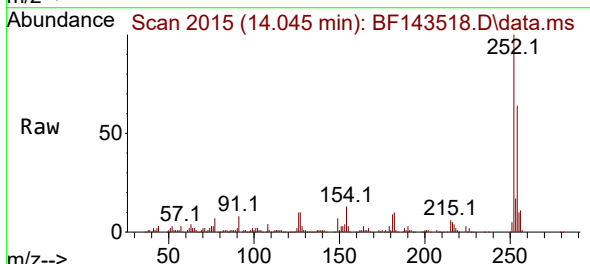
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

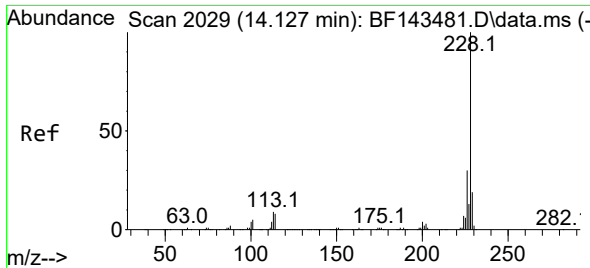
Tgt Ion:228 Resp: 551541
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.7 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 40.879 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:252 Resp: 167699
Ion Ratio Lower Upper
252 100
254 64.0 52.6 79.0
126 10.2 8.7 13.1

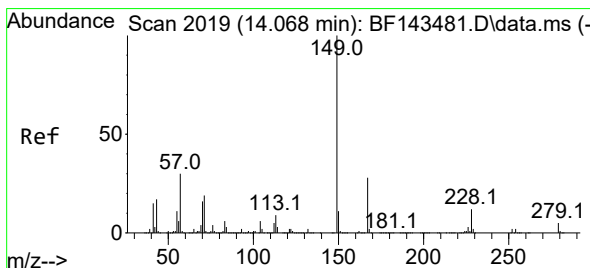
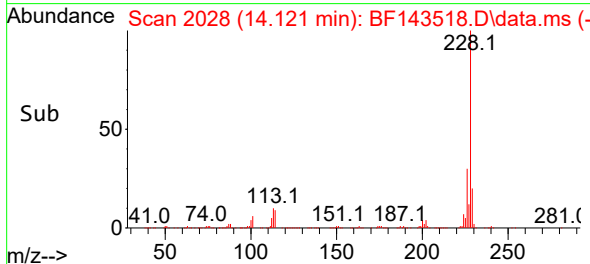
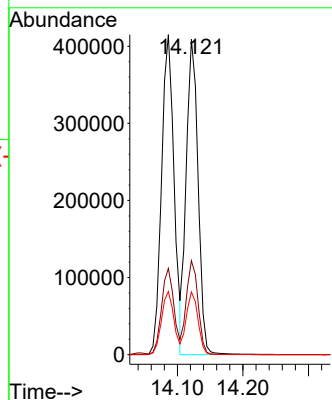
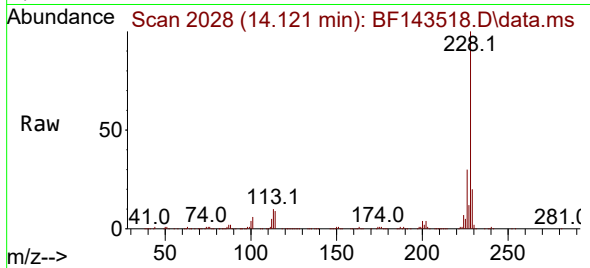




#83
Chrysene
Concen: 39.654 ng
RT: 14.121 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

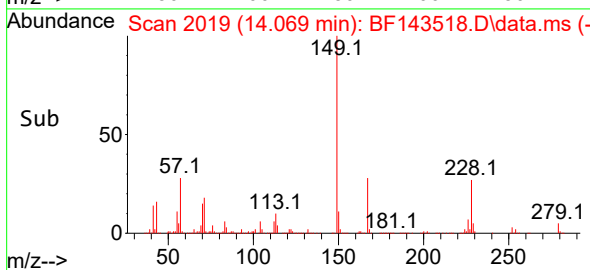
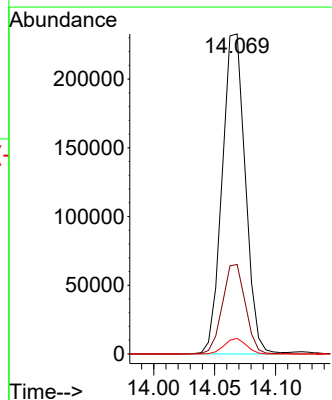
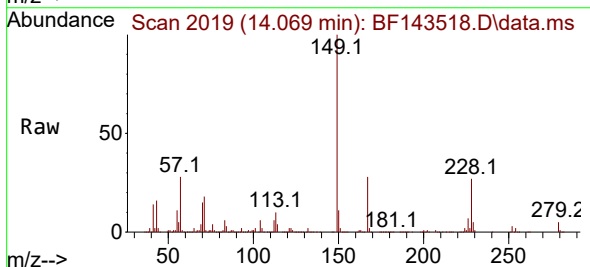
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

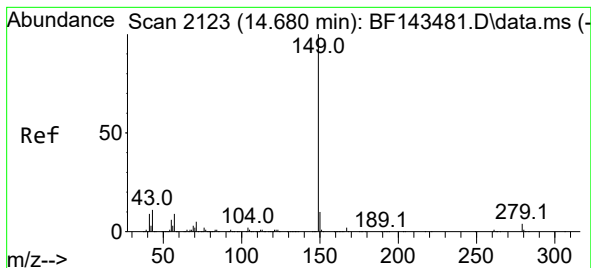
Tgt Ion:228 Resp: 510484
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 19.9 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 40.447 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 308015
Ion Ratio Lower Upper
149 100
167 28.0 22.2 33.2
279 4.8 3.6 5.4

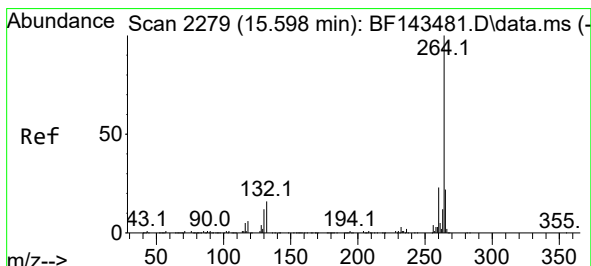
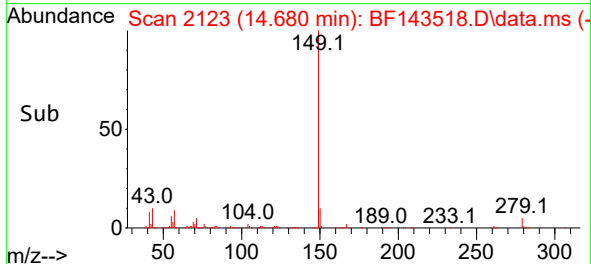
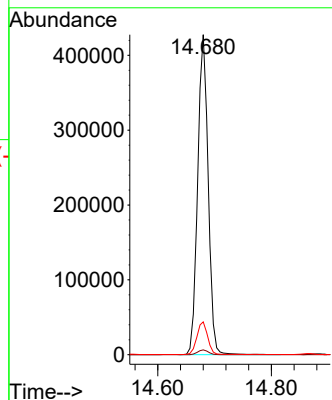
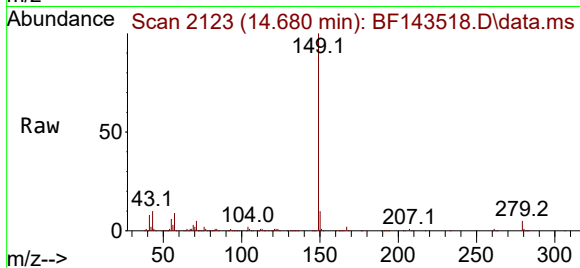




#85
Di-n-octyl phthalate
Concen: 39.064 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

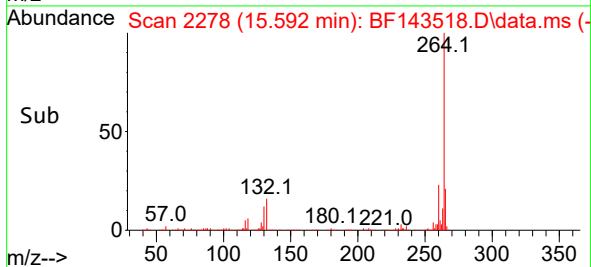
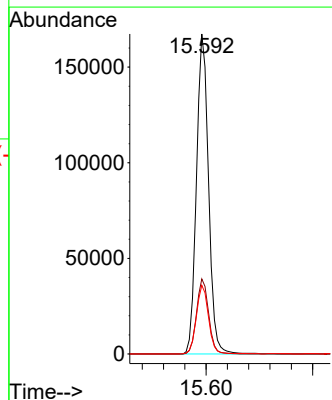
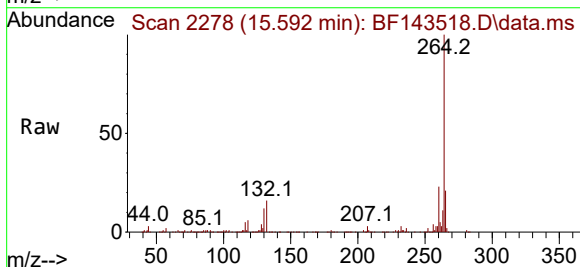
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

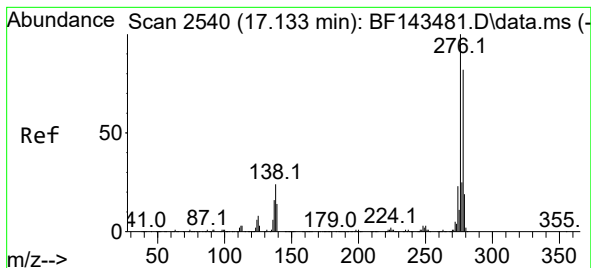
Tgt Ion:149 Resp: 551091
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.5 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:264 Resp: 262934
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.259 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

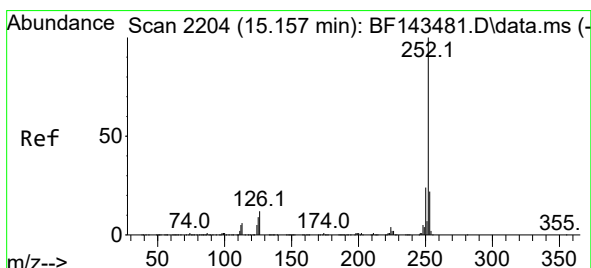
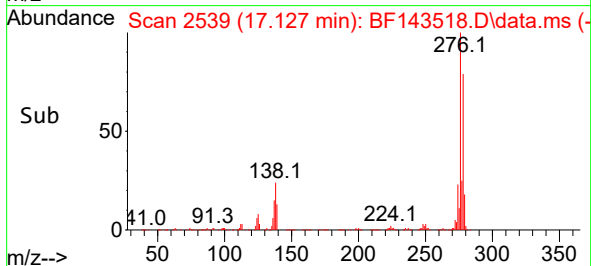
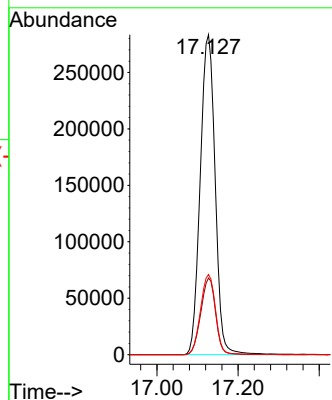
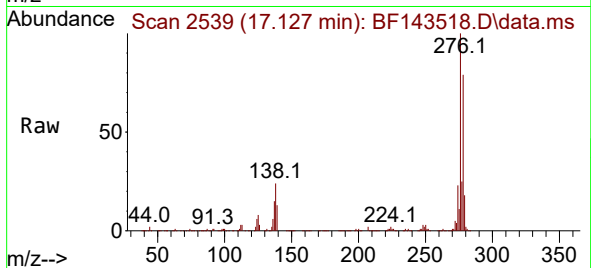
Tgt Ion:276 Resp: 722883

Ion Ratio Lower Upper

276 100

138 23.8 19.2 28.8

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.286 ng

RT: 15.151 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

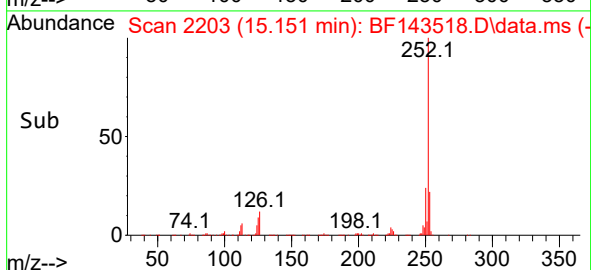
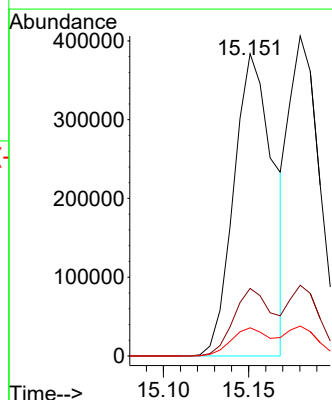
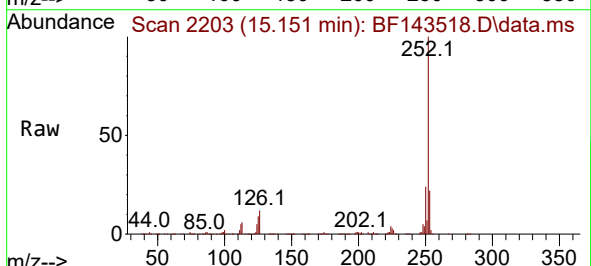
Tgt Ion:252 Resp: 618031

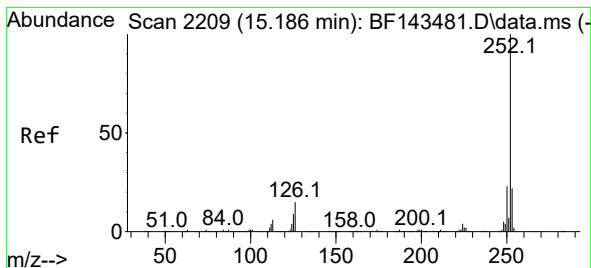
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 9.3 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 36.812 ng

RT: 15.180 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

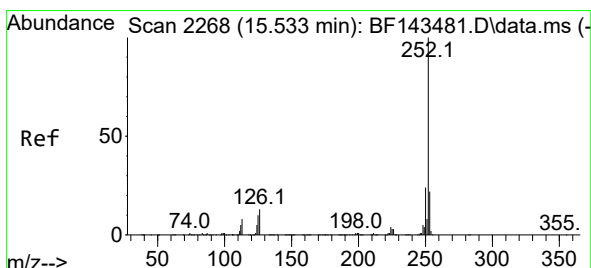
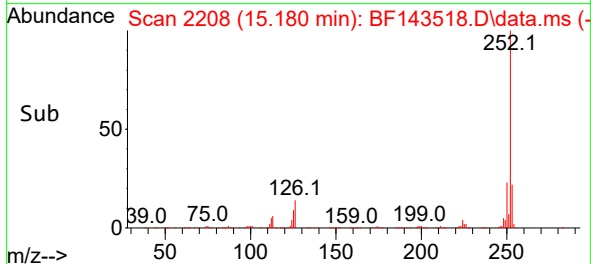
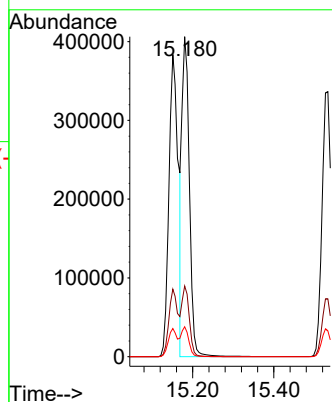
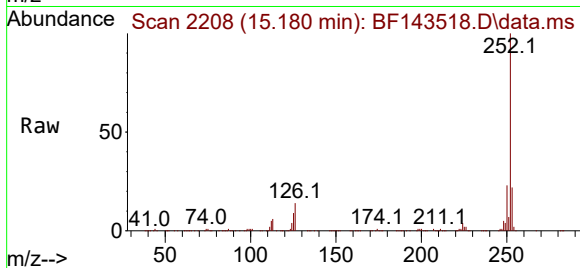
Tgt Ion:252 Resp: 515140

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.4 7.4 11.0



#90

Benzo(a)pyrene

Concen: 39.710 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

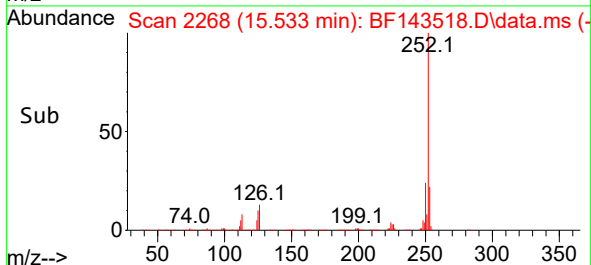
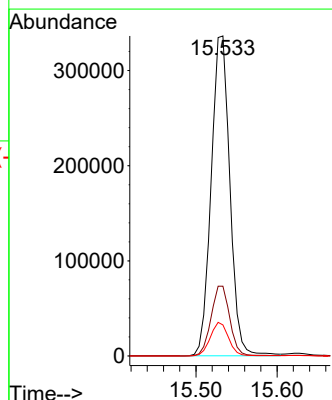
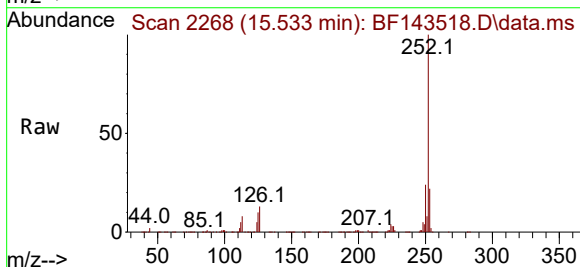
Tgt Ion:252 Resp: 538725

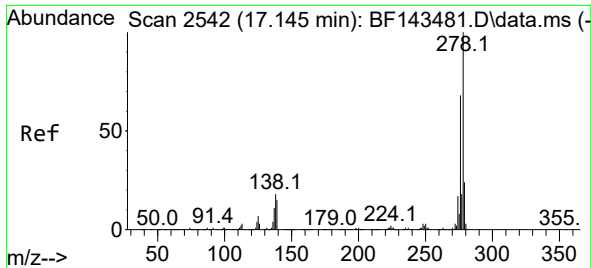
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.7 8.2 12.2

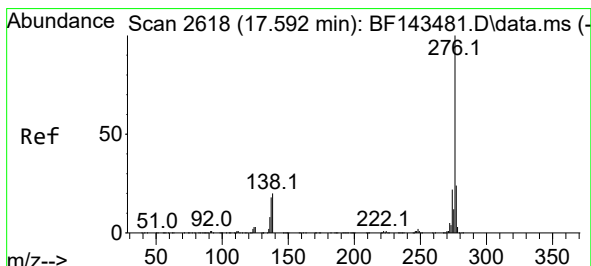
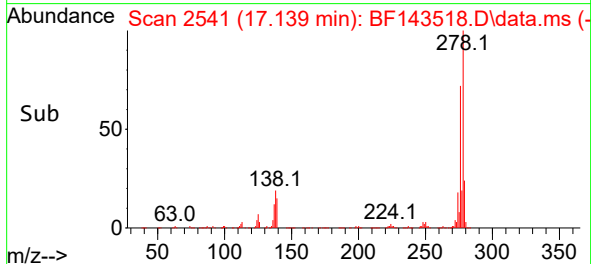
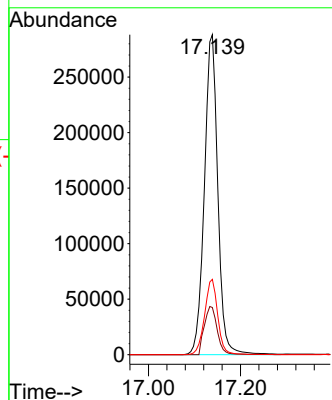
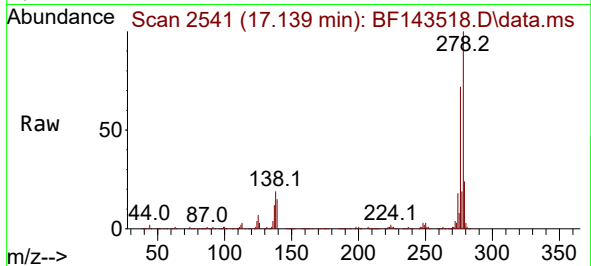




#91
Dibenzo(a,h)anthracene
Concen: 38.822 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

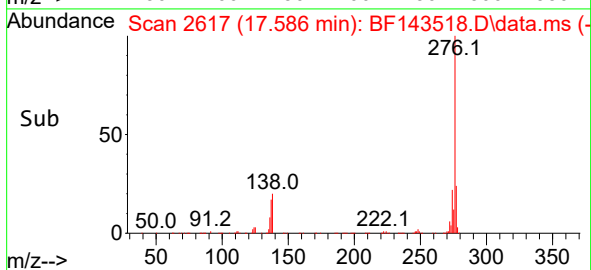
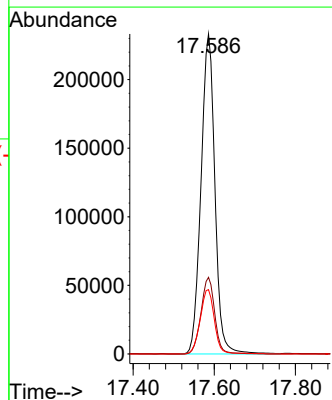
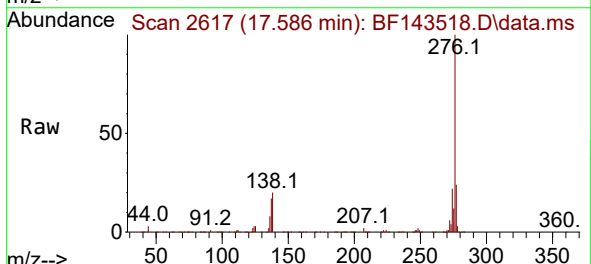
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 587454
Ion Ratio Lower Upper
278 100
139 14.8 12.1 18.1
279 23.5 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 36.878 ng
RT: 17.586 min Scan# 2617
Delta R.T. -0.018 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:276 Resp: 554893
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 20.1 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
2	1,4-Dioxane	0.531	0.541	-1.9	86	0.00
3	Pyridine	1.413	1.433	-1.4	85	0.00
4	n-Nitrosodimethylamine	0.635	0.638	-0.5	85	-0.02
5 S	2-Fluorophenol	1.145	1.132	1.1	85	0.00
6	Aniline	1.890	1.905	-0.8	86	0.00
7 S	Phenol-d6	1.414	1.413	0.1	86	-0.01
8	2-Chlorophenol	1.265	1.272	-0.6	86	0.00
9	Benzaldehyde	1.145	1.256	-9.7	90	0.00
10 C	Phenol	1.629	1.644	-0.9	86	-0.01
11	bis(2-Chloroethyl)ether	1.217	1.227	-0.8	87	0.00
12	1,3-Dichlorobenzene	1.421	1.414	0.5	86	0.00
13 C	1,4-Dichlorobenzene	1.426	1.427	-0.1	87	0.00
14	1,2-Dichlorobenzene	1.350	1.354	-0.3	86	0.00
15	Benzyl Alcohol	1.059	1.079	-1.9	85	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.939	0.4	85	0.00
17	2-Methylphenol	1.015	1.028	-1.3	87	0.00
18	Hexachloroethane	0.485	0.490	-1.0	86	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.860	0.5	87	-0.02
20	3+4-Methylphenols	1.212	1.227	-1.2	86	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22	Acetophenone	0.432	0.427	1.2	88	0.00
23 S	Nitrobenzene-d5	0.343	0.348	-1.5	87	-0.01
24	Nitrobenzene	0.353	0.362	-2.5	87	-0.01
25	Isophorone	0.628	0.630	-0.3	87	-0.01
26 C	2-Nitrophenol	0.173	0.180	-4.0	87	0.00
27	2,4-Dimethylphenol	0.269	0.270	-0.4	86	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.384	0.5	85	0.00
29 C	2,4-Dichlorophenol	0.288	0.290	-0.7	86	0.00
30	1,2,4-Trichlorobenzene	0.296	0.296	0.0	87	0.00
31	Naphthalene	0.960	0.950	1.0	87	0.00
32	Benzoic acid	0.137	0.130	5.1	77	-0.04
33	4-Chloroaniline	0.341	0.339	0.6	85	0.00
34 C	Hexachlorobutadiene	0.193	0.194	-0.5	87	0.00
35	Caprolactam	0.069	0.078	-13.0	95	-0.03
36 C	4-Chloro-3-methylphenol	0.288	0.289	-0.3	87	0.00
37	2-Methylnaphthalene	0.641	0.627	2.2	85	0.00
38	1-Methylnaphthalene	0.613	0.605	1.3	86	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.568	0.7	87	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.169	8.2	74	0.00
42 S	2,4,6-Tribromophenol	0.186	0.186	0.0	86	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.355	-0.9	84	0.00
44	2,4,5-Trichlorophenol	0.385	0.380	1.3	86	0.00
45 S	2-Fluorobiphenyl	1.210	1.177	2.7	88	0.00
46	1,1'-Biphenyl	1.420	1.391	2.0	86	0.00
47	2-Chloronaphthalene	1.114	1.096	1.6	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.335	-2.8	86	0.00
49	Acenaphthylene	1.595	1.578	1.1	86	0.00
50	Dimethylphthalate	1.205	1.250	-3.7	90	0.00
51	2,6-Dinitrotoluene	0.250	0.265	-6.0	88	0.00
52 C	Acenaphthene	1.083	1.067	1.5	86	0.00
53	3-Nitroaniline	0.270	0.278	-3.0	86	0.00
54 P	2,4-Dinitrophenol	0.115	0.109	5.2	79	0.00
55	Dibenzofuran	1.544	1.525	1.2	87	0.00
56 P	4-Nitrophenol	0.161	0.155	3.7	78	0.00
57	2,4-Dinitrotoluene	0.333	0.357	-7.2	88	-0.01
58	Fluorene	1.188	1.164	2.0	87	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.289	-1.0	84	0.00
60	Diethylphthalate	1.080	1.140	-5.6	91	0.00
61	4-Chlorophenyl-phenylether	0.594	0.589	0.8	87	0.00
62	4-Nitroaniline	0.248	0.258	-4.0	87	-0.01
63	Azobenzene	1.120	1.123	-0.3	87	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.107	5.3	76	0.00
66 c	n-Nitrosodiphenylamine	0.644	0.645	-0.2	85	0.00
67	4-Bromophenyl-phenylether	0.239	0.242	-1.3	85	0.00
68	Hexachlorobenzene	0.257	0.257	0.0	85	0.00
69	Atrazine	0.166	0.195	-17.5	98	0.00
70 C	Pentachlorophenol	0.118	0.106	10.2	73	0.00
71	Phenanthrene	1.071	1.052	1.8	86	0.00
72	Anthracene	1.085	1.065	1.8	84	0.00
73	Carbazole	0.889	0.875	1.6	84	0.00
74	Di-n-butylphthalate	0.829	0.956	-15.3	95	0.00
75 C	Fluoranthene	0.961	0.922	4.1	83	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77	Benzydine	0.487	0.488	-0.2	84	0.00
78	Pyrene	1.645	1.514	8.0	82	0.00
79 S	Terphenyl-d14	1.146	1.094	4.5	86	0.00
80	Butylbenzylphthalate	0.449	0.485	-8.0	92	0.00
81	Benzo(a)anthracene	1.288	1.239	3.8	84	0.00
82	3,3'-Dichlorobenzidine	0.369	0.377	-2.2	90	0.00
83	Chrysene	1.157	1.147	0.9	92	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.692	-1.0	87	0.00
85 c	Di-n-octyl phthalate	1.268	1.238	2.4	85	0.00
86 I	Perylene-d12	1.000	1.000	0.0	91	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.375	4.3	87	-0.01
88	Benzo(b)fluoranthene	1.112	1.175	-5.7	100	0.00
89	Benzo(k)fluoranthene	1.064	0.980	7.9	83	-0.01
90 C	Benzo(a)pyrene	1.032	1.024	0.8	91	0.00
91	Dibenzo(a,h)anthracene	1.151	1.117	3.0	88	-0.02
92	Benzo(g,h,i)perylene	1.145	1.055	7.9	83	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	86	0.00
2	1,4-Dioxane	40.000	40.780	-2.0	86	0.00
3	Pyridine	40.000	40.552	-1.4	85	0.00
4	n-Nitrosodimethylamine	40.000	40.163	-0.4	85	-0.02
5 S	2-Fluorophenol	80.000	79.089	1.1	85	0.00
6	Aniline	40.000	40.315	-0.8	86	0.00
7 S	Phenol-d6	80.000	79.973	0.0	86	-0.01
8	2-Chlorophenol	40.000	40.208	-0.5	86	0.00
9	Benzaldehyde	40.000	43.891	-9.7	90	0.00
10 C	Phenol	40.000	40.372	-0.9	86	-0.01
11	bis(2-Chloroethyl)ether	40.000	40.314	-0.8	87	0.00
12	1,3-Dichlorobenzene	40.000	39.802	0.5	86	0.00
13 C	1,4-Dichlorobenzene	40.000	40.045	-0.1	87	0.00
14	1,2-Dichlorobenzene	40.000	40.122	-0.3	86	0.00
15	Benzyl Alcohol	40.000	40.760	-1.9	85	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.834	0.4	85	0.00
17	2-Methylphenol	40.000	40.511	-1.3	87	0.00
18	Hexachloroethane	40.000	40.435	-1.1	86	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.822	0.4	87	-0.02
20	3+4-Methylphenols	40.000	40.503	-1.3	86	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22	Acetophenone	40.000	39.507	1.2	88	0.00
23 S	Nitrobenzene-d5	80.000	81.228	-1.5	87	-0.01
24	Nitrobenzene	40.000	41.020	-2.6	87	-0.01
25	Isophorone	40.000	40.104	-0.3	87	-0.01
26 C	2-Nitrophenol	40.000	41.767	-4.4	87	0.00
27	2,4-Dimethylphenol	40.000	40.108	-0.3	86	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.742	0.6	85	0.00
29 C	2,4-Dichlorophenol	40.000	40.285	-0.7	86	0.00
30	1,2,4-Trichlorobenzene	40.000	40.066	-0.2	87	0.00
31	Naphthalene	40.000	39.587	1.0	87	0.00
32	Benzoic acid	40.000	35.717	10.7	77	-0.04
33	4-Chloroaniline	40.000	39.804	0.5	85	0.00
34 C	Hexachlorobutadiene	40.000	40.194	-0.5	87	0.00
35	Caprolactam	40.000	45.135	-12.8	95	-0.03
36 C	4-Chloro-3-methylphenol	40.000	40.144	-0.4	87	0.00
37	2-Methylnaphthalene	40.000	39.089	2.3	85	0.00
38	1-Methylnaphthalene	40.000	39.436	1.4	86	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.693	0.8	87	0.00
41 P	Hexachlorocyclopentadiene	40.000	34.356	14.1	74	0.00
42 S	2,4,6-Tribromophenol	80.000	79.836	0.2	86	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.335	-0.8	84	0.00
44	2,4,5-Trichlorophenol	40.000	39.568	1.1	86	0.00
45 S	2-Fluorobiphenyl	80.000	77.819	2.7	88	0.00
46	1,1'-Biphenyl	40.000	39.203	2.0	86	0.00
47	2-Chloronaphthalene	40.000	39.372	1.6	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.078	-2.7	86	0.00
49	Acenaphthylene	40.000	39.570	1.1	86	0.00
50	Dimethylphthalate	40.000	41.504	-3.8	90	0.00
51	2,6-Dinitrotoluene	40.000	42.495	-6.2	88	0.00
52 C	Acenaphthene	40.000	39.417	1.5	86	0.00
53	3-Nitroaniline	40.000	41.155	-2.9	86	0.00
54 P	2,4-Dinitrophenol	40.000	35.824	10.4	79	0.00
55	Dibenzofuran	40.000	39.509	1.2	87	0.00
56 P	4-Nitrophenol	40.000	38.513	3.7	78	0.00
57	2,4-Dinitrotoluene	40.000	42.812	-7.0	88	-0.01
58	Fluorene	40.000	39.184	2.0	87	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.463	-1.2	84	0.00
60	Diethylphthalate	40.000	42.212	-5.5	91	0.00
61	4-Chlorophenyl-phenylether	40.000	39.680	0.8	87	0.00
62	4-Nitroaniline	40.000	41.677	-4.2	87	-0.01
63	Azobenzene	40.000	40.129	-0.3	87	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.928	5.2	76	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.110	-0.3	85	0.00
67	4-Bromophenyl-phenylether	40.000	40.542	-1.4	85	0.00
68	Hexachlorobenzene	40.000	39.979	0.1	85	0.00
69	Atrazine	40.000	46.846	-17.1	98	0.00
70 C	Pentachlorophenol	40.000	36.133	9.7	73	0.00
71	Phenanthrene	40.000	39.294	1.8	86	0.00
72	Anthracene	40.000	39.255	1.9	84	0.00
73	Carbazole	40.000	39.380	1.5	84	0.00
74	Di-n-butylphthalate	40.000	46.124	-15.3	95	0.00
75 C	Fluoranthene	40.000	38.372	4.1	83	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77	Benzydine	40.000	40.029	-0.1	84	0.00
78	Pyrene	40.000	36.801	8.0	82	0.00
79 S	Terphenyl-d14	80.000	76.374	4.5	86	0.00
80	Butylbenzylphthalate	40.000	43.176	-7.9	92	0.00
81	Benzo(a)anthracene	40.000	38.502	3.7	84	0.00
82	3,3'-Dichlorobenzidine	40.000	40.879	-2.2	90	0.00
83	Chrysene	40.000	39.654	0.9	92	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.447	-1.1	87	0.00
85 c	Di-n-octyl phthalate	40.000	39.064	2.3	85	0.00
86 I	Perylene-d12	20.000	20.000	0.0	91	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.259	4.4	87	-0.01
88	Benzo(b)fluoranthene	40.000	42.286	-5.7	100	0.00
89	Benzo(k)fluoranthene	40.000	36.812	8.0	83	-0.01
90 C	Benzo(a)pyrene	40.000	39.710	0.7	91	0.00
91	Dibenzo(a,h)anthracene	40.000	38.822	2.9	88	-0.02
92	Benzo(g,h,i)perylene	40.000	36.878	7.8	83	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/21/2025 19:32</u>
Lab File ID:	<u>BF143539.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.138		-0.6	50.0
Benzaldehyde	1.145	1.334		16.5	50.0
Phenol-d6	1.414	1.375		-2.8	50.0
Phenol	1.629	1.605		-1.5	50.0
bis(2-Chloroethyl)ether	1.217	1.180		-3.0	50.0
2-Chlorophenol	1.265	1.247		-1.4	50.0
2-Methylphenol	1.015	0.989		-2.6	50.0
2,2-oxybis(1-Chloropropane)	1.947	1.836		-5.7	50.0
Acetophenone	0.432	0.430		-0.5	50.0
3+4-Methylphenols	1.212	1.209		-0.2	50.0
n-Nitroso-di-n-propylamine	0.864	0.843	0.050	-2.4	50.0
Nitrobenzene-d5	0.343	0.348		1.5	50.0
Hexachloroethane	0.485	0.487		0.4	50.0
Nitrobenzene	0.353	0.363		2.8	50.0
Isophorone	0.628	0.636		1.3	50.0
2-Nitrophenol	0.173	0.179		3.5	50.0
2,4-Dimethylphenol	0.269	0.267		-0.7	50.0
bis(2-Chloroethoxy)methane	0.386	0.385		-0.3	50.0
2,4-Dichlorophenol	0.288	0.283		-1.7	50.0
Naphthalene	0.960	0.942		-1.9	50.0
4-Chloroaniline	0.341	0.329		-3.5	50.0
Hexachlorobutadiene	0.193	0.196		1.6	50.0
Caprolactam	0.069	0.076		10.1	50.0
4-Chloro-3-methylphenol	0.288	0.279		-3.1	50.0
2-Methylnaphthalene	0.641	0.620		-3.3	50.0
Hexachlorocyclopentadiene	0.184	0.203	0.050	10.3	50.0
2,4,6-Trichlorophenol	0.352	0.369		4.8	50.0
2-Fluorobiphenyl	1.210	1.266		4.6	50.0
2,4,5-Trichlorophenol	0.385	0.387		0.5	50.0
1,1-Biphenyl	1.420	1.484		4.5	50.0
2-Chloronaphthalene	1.114	1.142		2.5	50.0
2-Nitroaniline	0.326	0.339		4.0	50.0
Dimethylphthalate	1.205	1.333		10.6	50.0
Acenaphthylene	1.595	1.612		1.1	50.0
2,6-Dinitrotoluene	0.250	0.267		6.8	50.0
3-Nitroaniline	0.270	0.274		1.5	50.0
Acenaphthene	1.083	1.076		-0.6	50.0
2,4-Dinitrophenol	0.115	0.095	0.050	-17.4	50.0
4-Nitrophenol	0.161	0.175	0.050	8.7	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/21/2025 19:32</u>
Lab File ID:	<u>BF143539.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.507		-2.4	50.0
2,4-Dinitrotoluene	0.333	0.340		2.1	50.0
Diethylphthalate	1.080	1.180		9.3	50.0
4-Chlorophenyl-phenylether	0.594	0.588		-1.0	50.0
Fluorene	1.188	1.140		-4.0	50.0
4-Nitroaniline	0.248	0.244		-1.6	50.0
4,6-Dinitro-2-methylphenol	0.113	0.091		-19.5	50.0
n-Nitrosodiphenylamine	0.644	0.713		10.7	50.0
2,4,6-Tribromophenol	0.186	0.167		-10.2	50.0
4-Bromophenyl-phenylether	0.239	0.259		8.4	50.0
Hexachlorobenzene	0.257	0.263		2.3	50.0
Atrazine	0.166	0.212		27.7	50.0
Pentachlorophenol	0.118	0.244		106.8	50.0
Phenanthrene	1.071	1.070		-0.1	50.0
Anthracene	1.085	1.084		-0.1	50.0
Carbazole	0.889	0.901		1.4	50.0
Di-n-butylphthalate	0.829	1.069		29.0	50.0
Fluoranthene	0.961	0.984		2.4	50.0
Pyrene	1.645	1.215		-26.1	50.0
Terphenyl-d14	1.146	0.889		-22.4	50.0
Butylbenzylphthalate	0.449	0.495		10.2	50.0
3,3-Dichlorobenzidine	0.369	0.389		5.4	50.0
Benzo (a) anthracene	1.288	1.260		-2.2	50.0
Chrysene	1.157	1.191		2.9	50.0
Bis (2-ethylhexyl) phthalate	0.685	0.737		7.6	50.0
Di-n-octyl phthalate	1.268	1.337		5.4	50.0
Benzo (b) fluoranthene	1.112	1.179		6.0	50.0
Benzo (k) fluoranthene	1.064	1.106		3.9	50.0
Benzo (a) pyrene	1.032	1.041		0.9	50.0
Indeno (1,2,3-cd) pyrene	1.437	1.011		-29.6	50.0
Dibenzo (a,h) anthracene	1.151	0.836		-27.4	50.0
Benzo (g,h,i) perylene	1.145	0.732		-36.1	50.0
1,2,4,5-Tetrachlorobenzene	0.572	0.595		4.0	50.0
1,4-Dioxane	0.531	0.518		-2.4	50.0
2,3,4,6-Tetrachlorophenol	0.286	0.270		-5.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143539.D
 Acq On : 21 Aug 2025 19:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 22 01:02:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	110484	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	402251	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	197751	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	266164	20.000	ng	0.00
76) Chrysene-d12	14.098	240	224613	20.000	ng	0.00
86) Perylene-d12	15.592	264	256535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	502829	79.470	ng	0.00
7) Phenol-d6	6.563	99	607545	77.784	ng	-0.01
23) Nitrobenzene-d5	7.487	82	560673	81.337	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	131942	71.678	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1001186	83.673	ng	0.00
79) Terphenyl-d14	13.033	244	798863	62.064	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	114523	39.072	ng	99
3) Pyridine	3.510	79	304538	39.009	ng	99
4) n-Nitrosodimethylamine	3.457	42	139889	39.860	ng	97
6) Aniline	6.587	93	401267	38.435	ng	# 84
8) 2-Chlorophenol	6.716	128	275473	39.418	ng	100
9) Benzaldehyde	6.481	77	294783	46.616	ng	100
10) Phenol	6.575	94	354741	39.425	ng	92
11) bis(2-Chloroethyl)ether	6.657	93	260716	38.774	ng	100
12) 1,3-Dichlorobenzene	6.869	146	305256	38.875	ng	99
13) 1,4-Dichlorobenzene	6.945	146	310463	39.416	ng	99
14) 1,2-Dichlorobenzene	7.098	146	290881	39.005	ng	100
15) Benzyl Alcohol	7.069	79	233545	39.937	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.193	45	405626	37.707	ng	85
17) 2-Methylphenol	7.181	107	218625	38.978	ng	96
18) Hexachloroethane	7.440	117	107596	40.177	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	186353	39.035	ng	99
20) 3+4-Methylphenols	7.334	107	267236	39.911	ng	98
22) Acetophenone	7.334	105	346144	39.831	ng	99
24) Nitrobenzene	7.510	77	292216	41.188	ng	99
25) Isophorone	7.745	82	511518	40.481	ng	100
26) 2-Nitrophenol	7.822	139	144354	41.538	ng	96
27) 2,4-Dimethylphenol	7.863	122	214593	39.611	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	309875	39.904	ng	100
29) 2,4-Dichlorophenol	8.069	162	227965	39.400	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	235019	39.508	ng	100
31) Naphthalene	8.234	128	758151	39.258	ng	100
32) Benzoic acid	7.975	122	95321	32.943	ng	98
33) 4-Chloroaniline	8.275	127	264368	38.570	ng	99
34) Hexachlorobutadiene	8.351	225	157980	40.705	ng	100
35) Caprolactam	8.639	113	60796	43.789	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	224793	38.769	ng	100
37) 2-Methylnaphthalene	8.922	142	498908	38.680	ng	98
38) 1-Methylnaphthalene	9.022	142	468992	38.013	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	235213	41.583	ng	99
41) Hexachlorocyclopentadiene	9.081	237	80228	40.008	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	146031	41.956	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143539.D
 Acq On : 21 Aug 2025 19:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

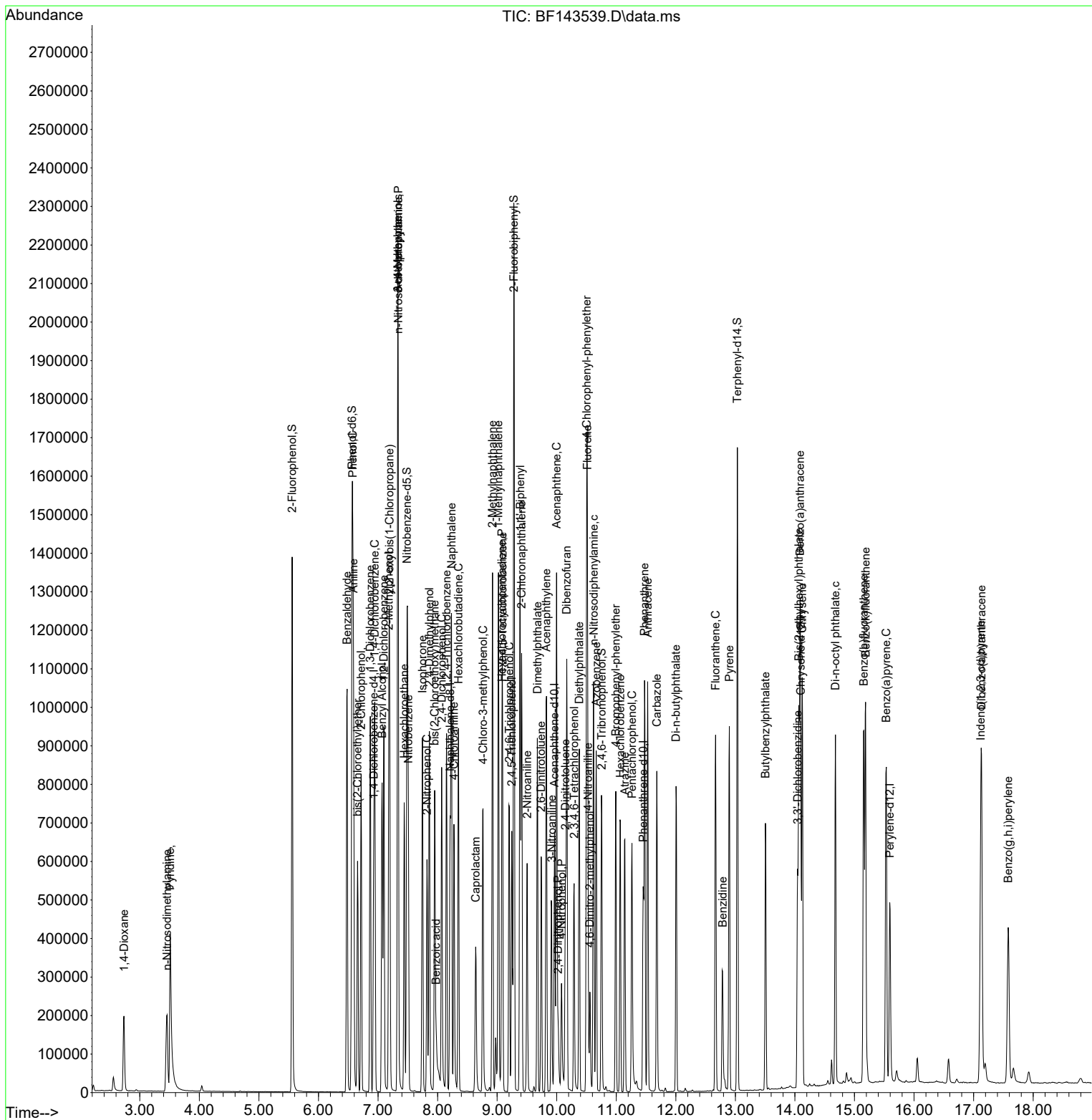
Quant Time: Aug 22 01:02:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

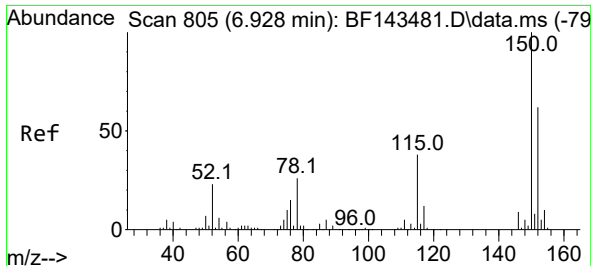
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	152926	40.224	ng	99
46) 1,1'-Biphenyl	9.386	154	586854	41.811	ng	99
47) 2-Chloronaphthalene	9.410	162	451645	41.011	ng	99
48) 2-Nitroaniline	9.504	65	134022	41.582	ng	96
49) Acenaphthylene	9.828	152	637603	40.434	ng	100
50) Dimethylphthalate	9.675	163	527145	44.261	ng	100
51) 2,6-Dinitrotoluene	9.739	165	105458	42.723	ng	96
52) Acenaphthene	9.998	154	425489	39.741	ng	99
53) 3-Nitroaniline	9.916	138	108314	40.609	ng	100
54) 2,4-Dinitrophenol	10.022	184	37584	31.881	ng	92
55) Dibenzofuran	10.169	168	596110	39.052	ng	98
56) 4-Nitrophenol	10.081	139	69103	43.542	ng	96
57) 2,4-Dinitrotoluene	10.145	165	134631	40.847	ng	97
58) Fluorene	10.516	166	450707	38.364	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	106720	37.783	ng	99
60) Diethylphthalate	10.381	149	466799	43.716	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	232448	39.562	ng	99
62) 4-Nitroaniline	10.528	138	96697	39.469	ng	97
63) Azobenzene	10.663	77	431460	38.969	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	48200	32.117	ng	96
66) n-Nitrosodiphenylamine	10.622	169	379520	44.307	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	137974	43.446	ng	97
68) Hexachlorobenzene	11.069	284	139989	40.894	ng	98
69) Atrazine	11.145	200	112914	51.067	ng	99
70) Pentachlorophenol	11.263	266	129625	82.680	ng	99
71) Phenanthrene	11.475	178	569767	39.974	ng	100
72) Anthracene	11.528	178	576813	39.947	ng	100
73) Carbazole	11.680	167	479540	40.531	ng	100
74) Di-n-butylphthalate	12.004	149	568861	51.539	ng	99
75) Fluoranthene	12.669	202	523856	40.959	ng	99
77) Benzidine	12.786	184	195722	35.773	ng	100
78) Pyrene	12.898	202	545878	29.545	ng	99
80) Butylbenzylphthalate	13.504	149	222304	44.044	ng	97
81) Benzo(a)anthracene	14.086	228	565876	39.132	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	174738	42.194	ng	98
83) Chrysene	14.121	228	534990	41.167	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	330969	43.053	ng	100
85) Di-n-octyl phthalate	14.680	149	600507	42.167	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	518934	28.150	ng	99
88) Benzo(b)fluoranthene	15.157	252	605018	42.428	ng	100
89) Benzo(k)fluoranthene	15.186	252	567409	41.559	ng	100
90) Benzo(a)pyrene	15.533	252	534103	40.352	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	429182	29.070	ng	99
92) Benzo(g,h,i)perylene	17.580	276	375504	25.578	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

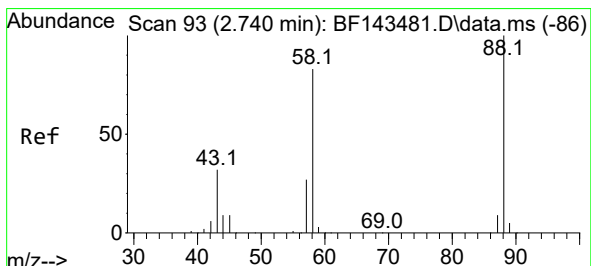
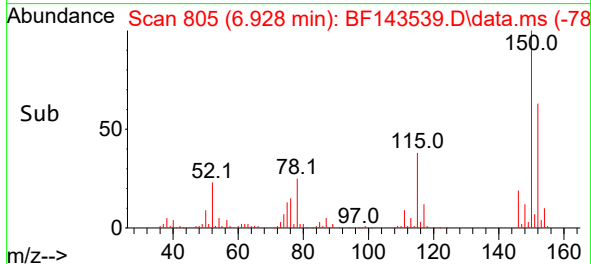
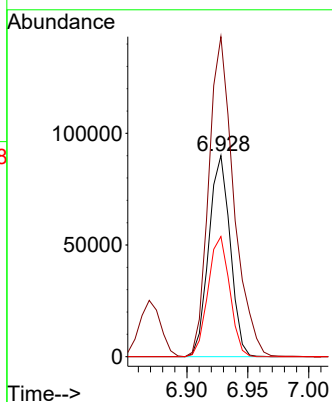
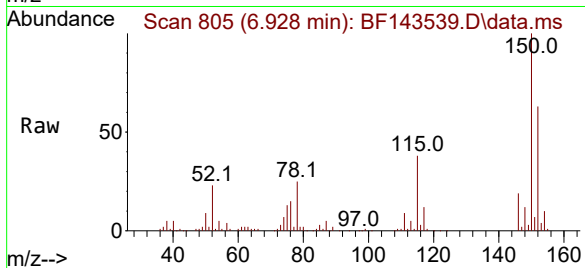




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

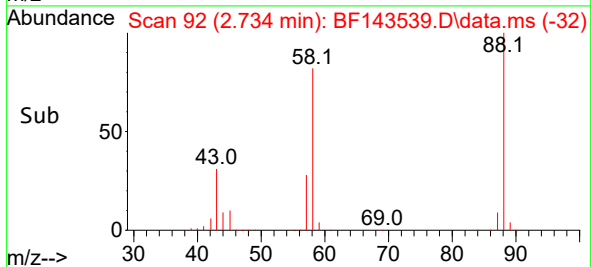
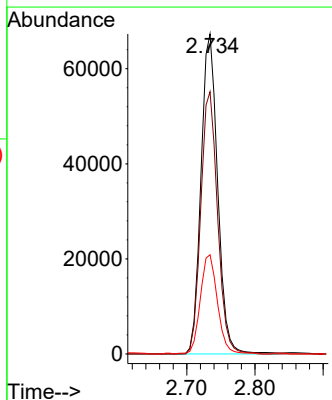
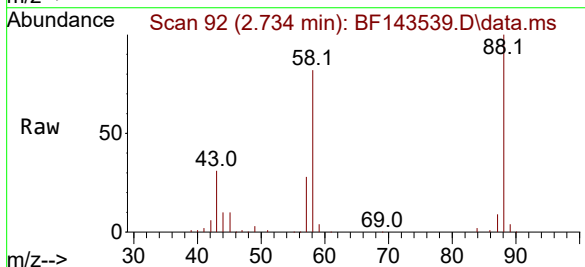
Instrument :
BNA_F
ClientSampleId :
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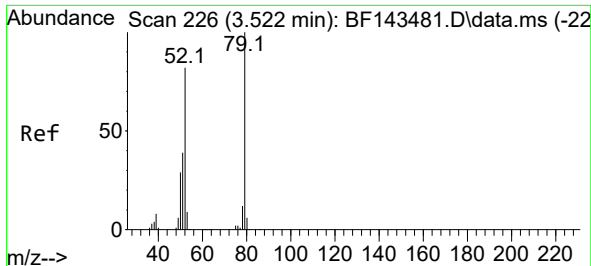
Tgt Ion:152 Resp: 110484
Ion Ratio Lower Upper
152 100
150 159.1 128.9 193.3
115 59.8 49.2 73.8



#2
1,4-Dioxane
Concen: 39.072 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 88 Resp: 114523
Ion Ratio Lower Upper
88 100
58 82.3 66.7 100.1
43 31.8 25.8 38.8

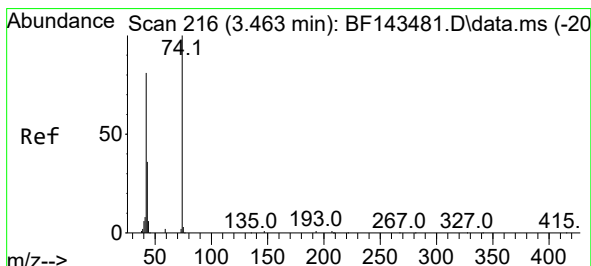
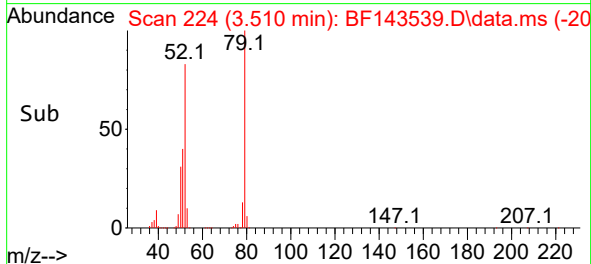
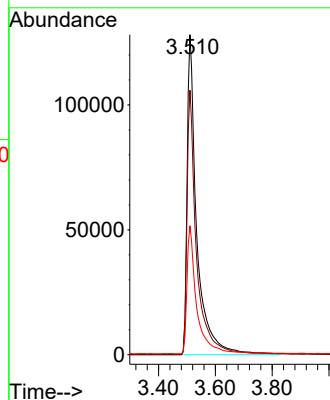
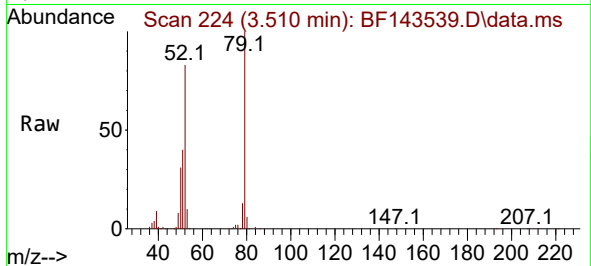




#3
Pyridine
Concen: 39.009 ng
RT: 3.510 min Scan# 215
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

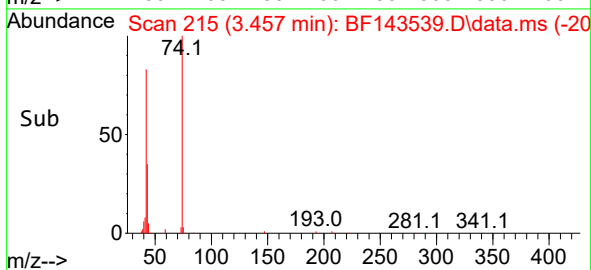
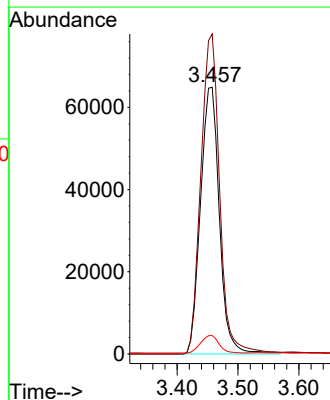
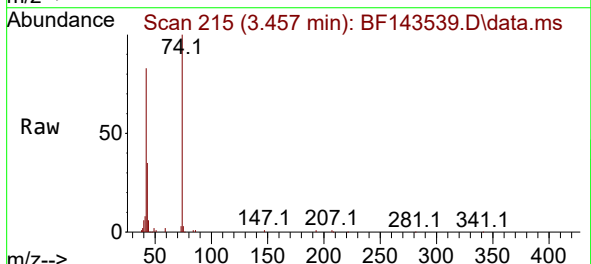
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

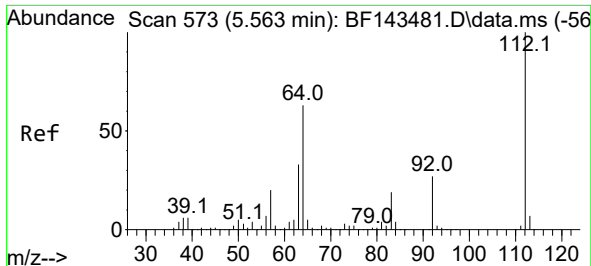
Tgt Ion: 79 Resp: 304538
Ion Ratio Lower Upper
79 100
52 82.7 65.6 98.4
51 40.3 31.2 46.8



#4
n-Nitrosodimethylamine
Concen: 39.860 ng
RT: 3.457 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 42 Resp: 139889
Ion Ratio Lower Upper
42 100
74 120.0 98.6 148.0
44 6.9 5.8 8.8

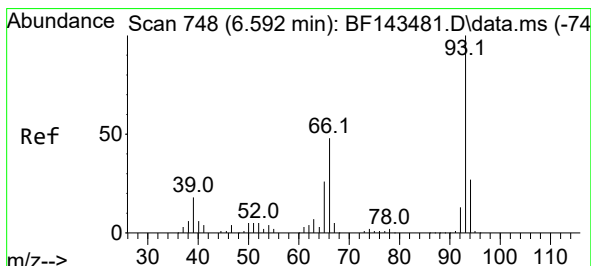
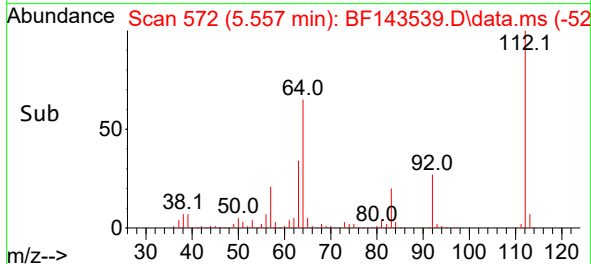
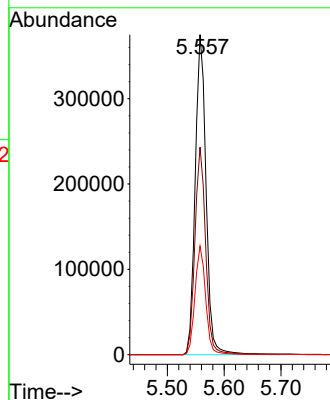
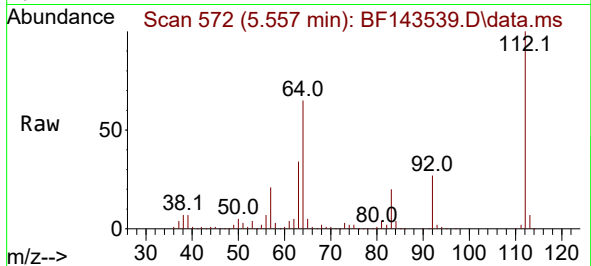




#5
2-Fluorophenol
Concen: 79.470 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

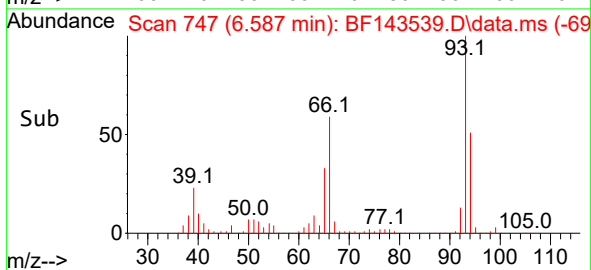
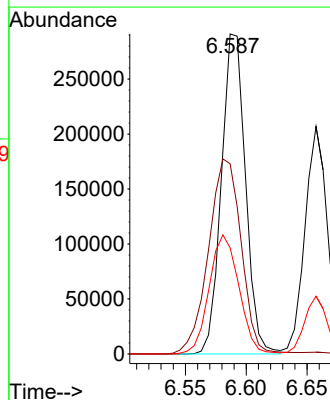
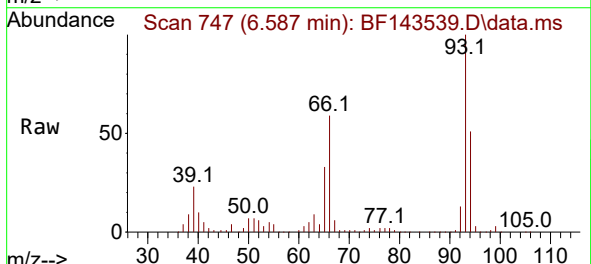
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ClientSampleId :
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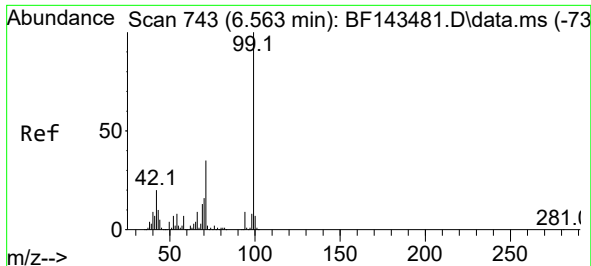
Tgt Ion:112 Resp: 502829
Ion Ratio Lower Upper
112 100
64 64.8 50.4 75.6
63 33.9 26.4 39.6



#6
Aniline
Concen: 38.435 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 93 Resp: 401267
Ion Ratio Lower Upper
93 100
66 59.5 38.9 58.3#
65 33.1 20.6 30.8#

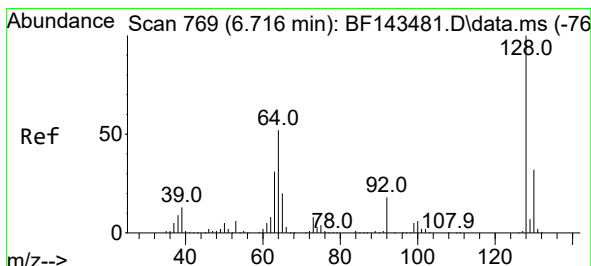
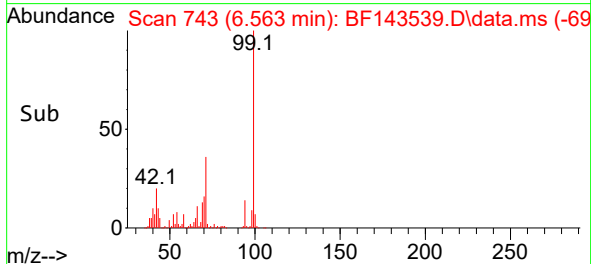
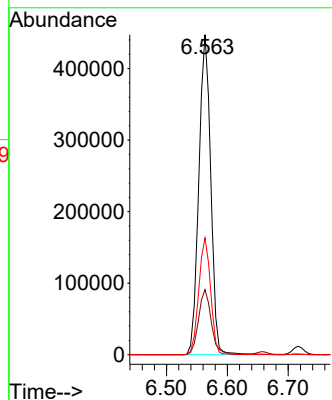
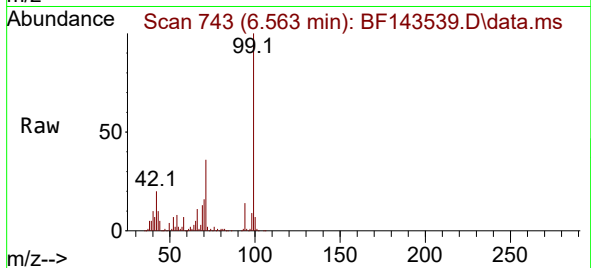




#7
Phenol-d6
Concen: 77.784 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

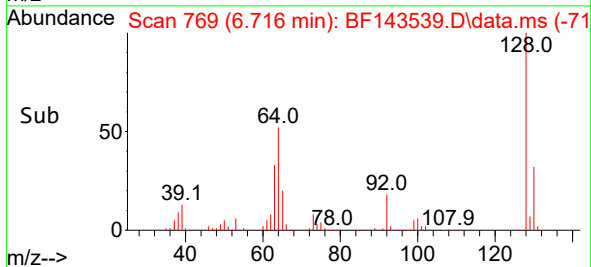
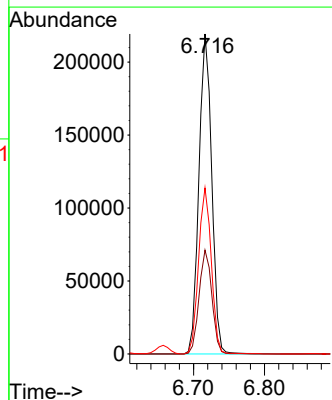
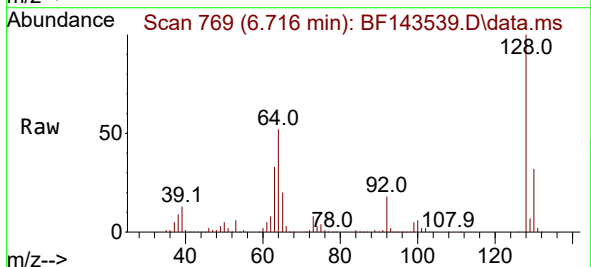
Instrument :
BNA_F
ClientSampleId :
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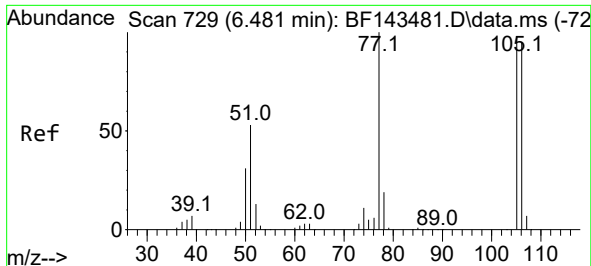
Tgt Ion: 99 Resp: 607545
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 36.5 28.2 42.2



#8
2-Chlorophenol
Concen: 39.418 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 128 Resp: 275473
Ion Ratio Lower Upper
128 100
130 32.5 12.4 52.4
64 51.9 31.6 71.6

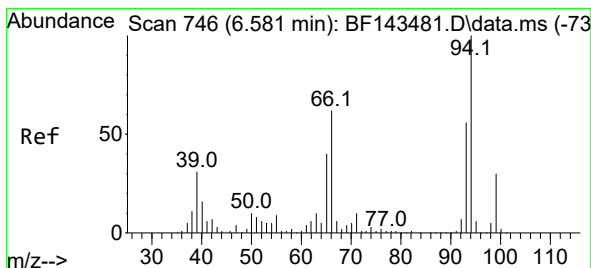
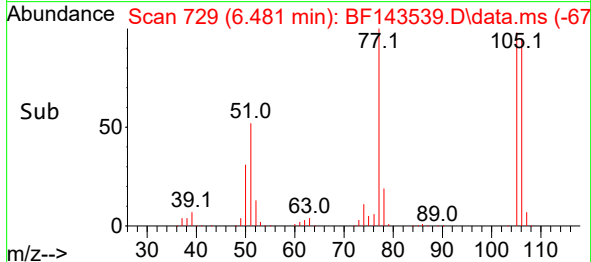
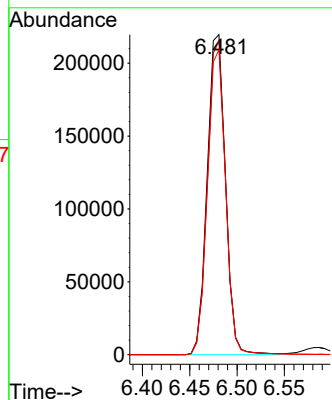
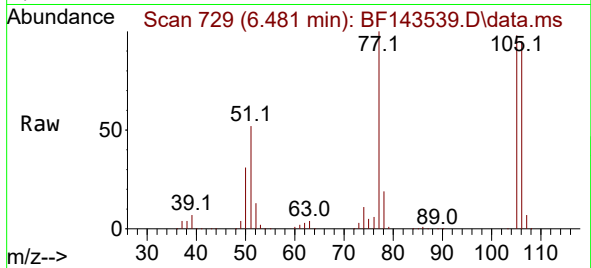




#9
Benzaldehyde
Concen: 46.616 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

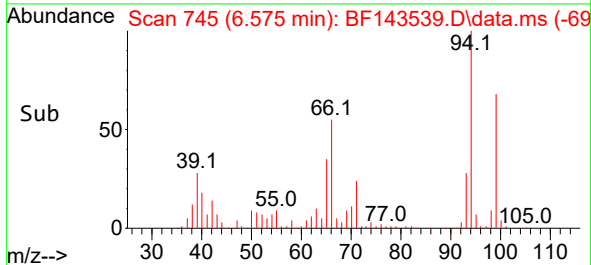
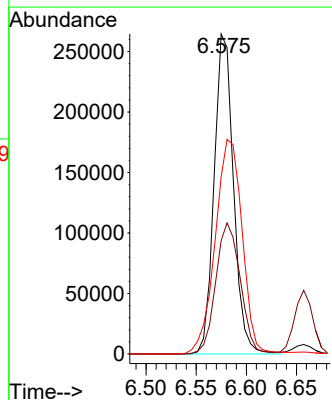
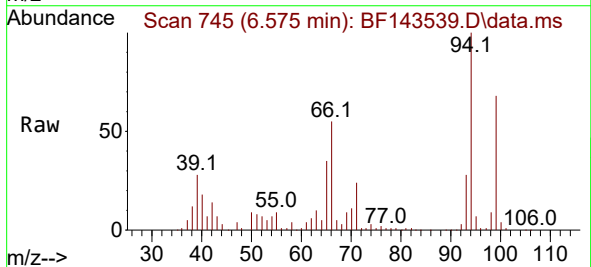
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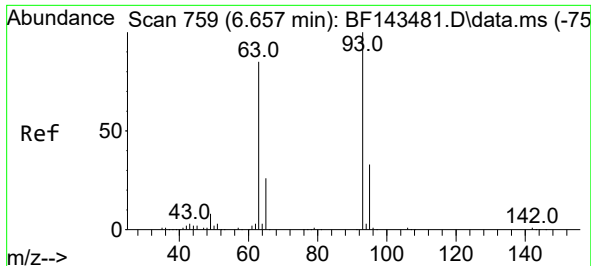
Tgt Ion:	77	Resp:	294783
Ion	Ratio	Lower	Upper
77	100		
105	98.0	78.1	118.1
106	95.3	74.9	114.9



#10
Phenol
Concen: 39.425 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:	94	Resp:	354741
Ion	Ratio	Lower	Upper
94	100		
65	35.4	19.5	59.5
66	55.3	42.5	82.5

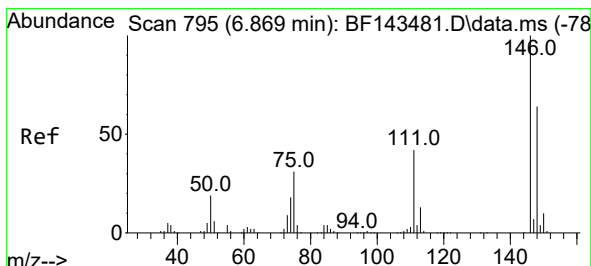
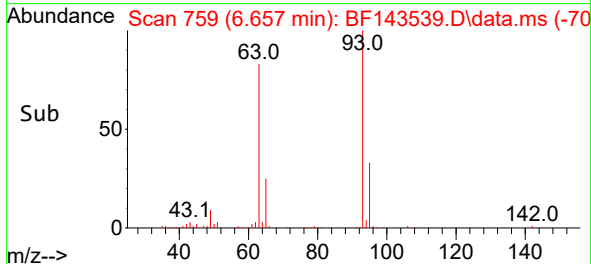
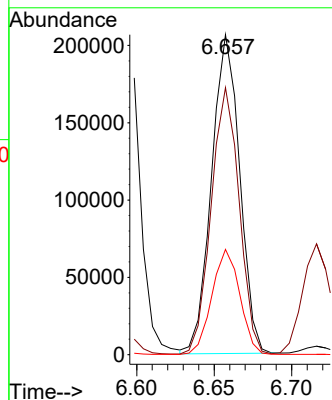
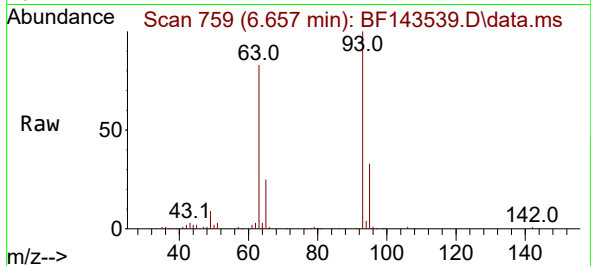




#11
bis(2-Chloroethyl)ether
Concen: 38.774 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

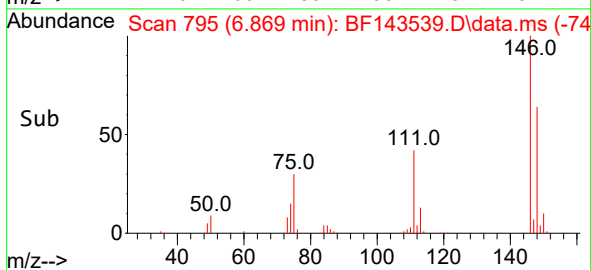
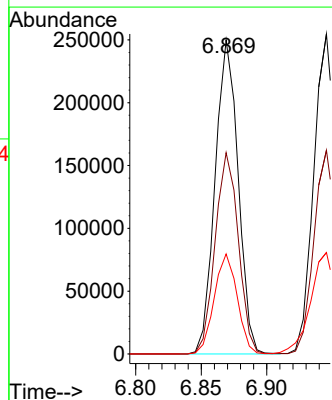
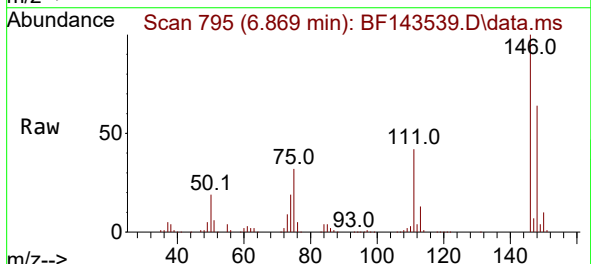
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BNA_F
ClientSampleId :
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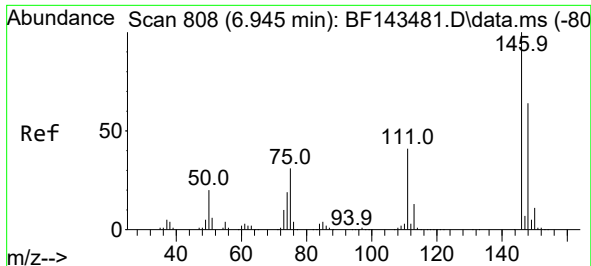
Tgt Ion: 93 Resp: 260716
Ion Ratio Lower Upper
93 100
63 83.5 63.6 103.6
95 32.9 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 38.875 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 146 Resp: 305256
Ion Ratio Lower Upper
146 100
148 64.1 51.3 76.9
75 31.9 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 39.416 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

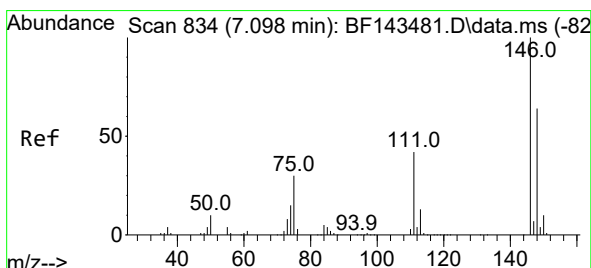
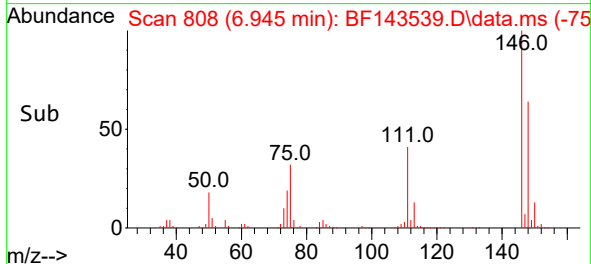
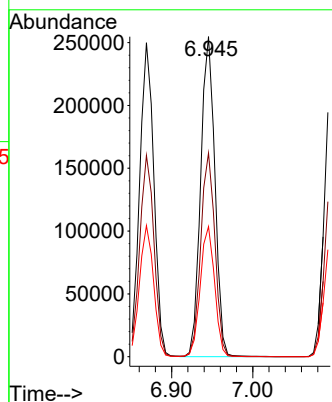
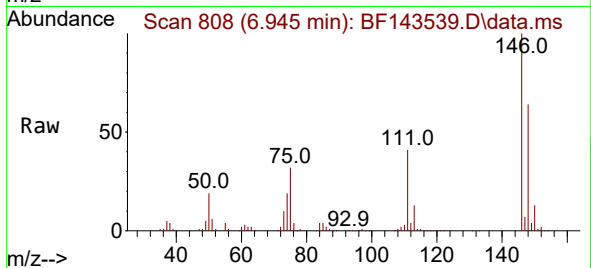
Tgt Ion:146 Resp: 310463

Ion Ratio Lower Upper

146 100

148 63.7 51.5 77.3

111 40.7 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 39.005 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

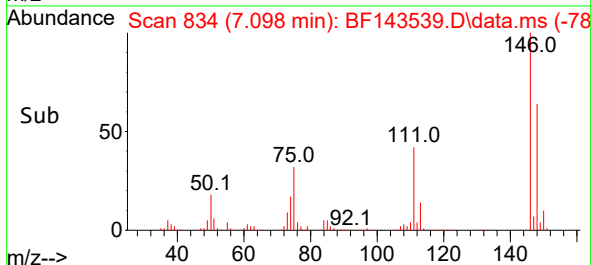
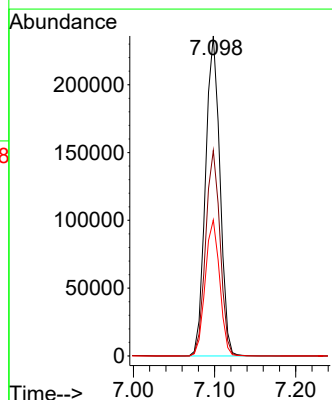
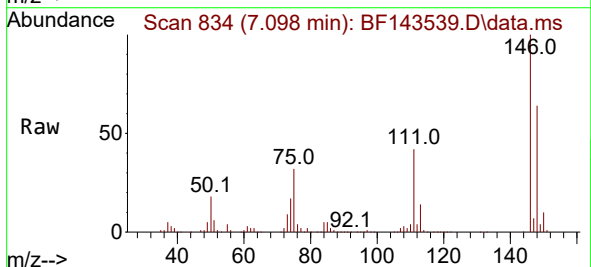
Tgt Ion:146 Resp: 290881

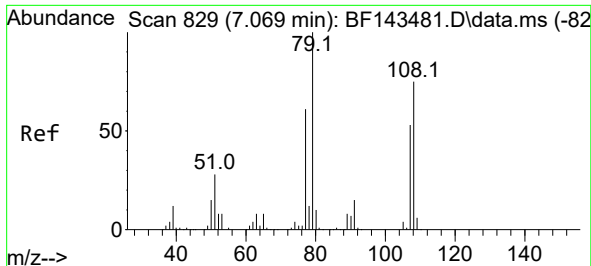
Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.6

111 42.5 34.0 51.0

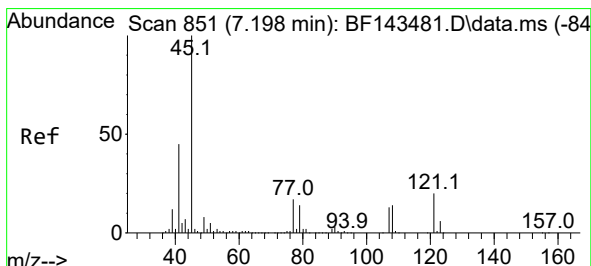
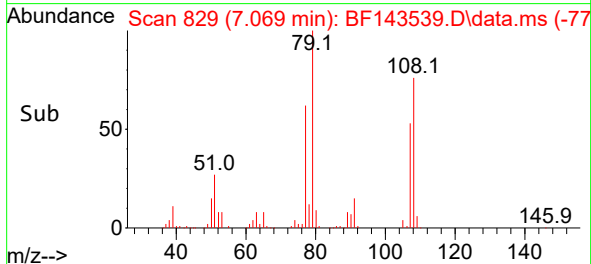
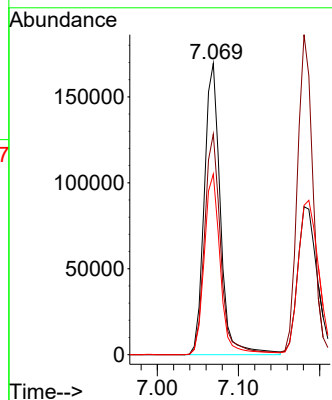
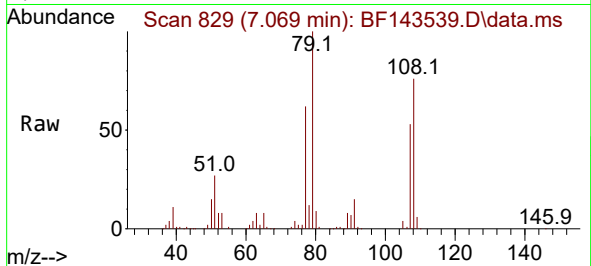




#15
Benzyl Alcohol
Concen: 39.937 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

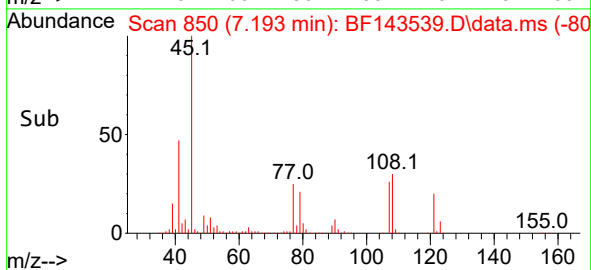
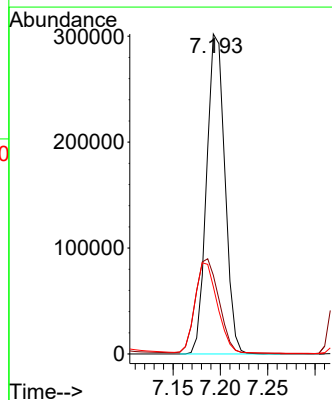
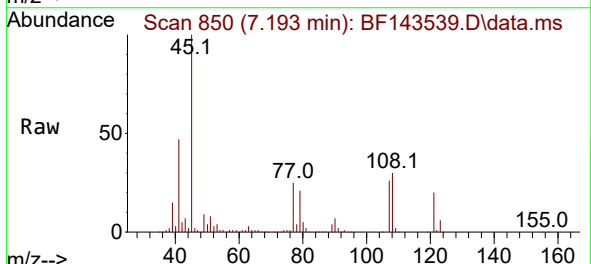
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

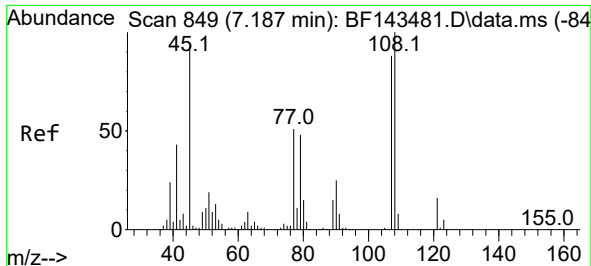
Tgt Ion: 79 Resp: 233545
Ion Ratio Lower Upper
79 100
108 75.7 59.8 89.6
77 62.0 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.707 ng
RT: 7.193 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 45 Resp: 405626
Ion Ratio Lower Upper
45 100
77 24.6 0.0 37.9
79 21.0 0.0 34.7

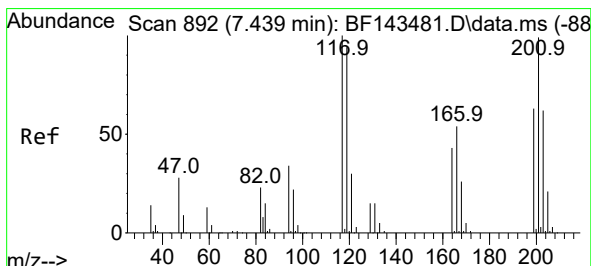
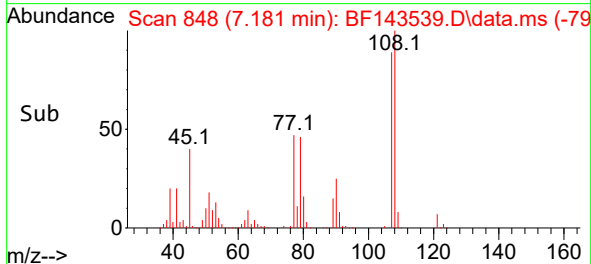
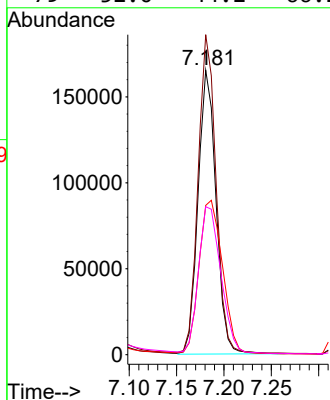
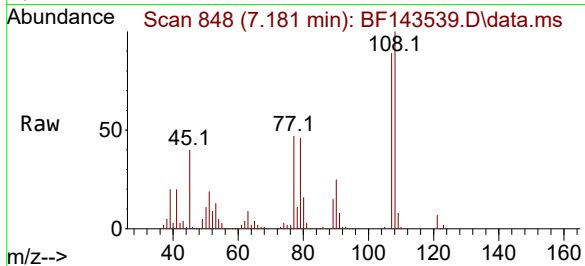




#17
2-Methylphenol
Concen: 38.978 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

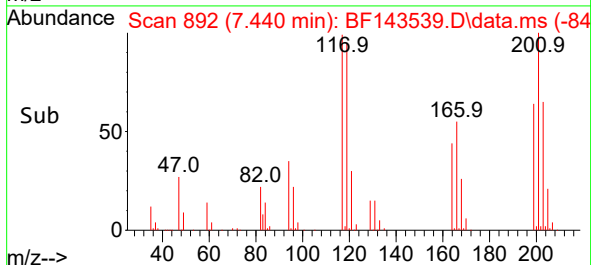
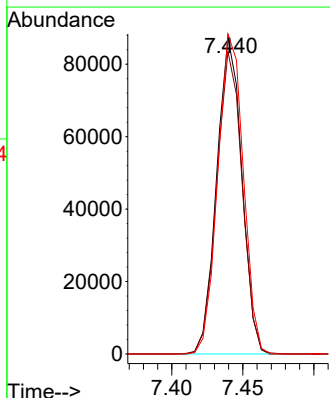
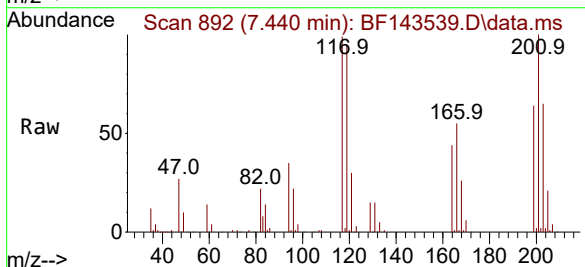
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

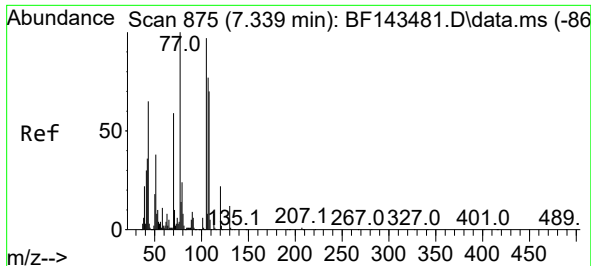
Tgt Ion:	107	Resp:	218625
Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.1	136.7
77	52.5	46.2	69.4
79	52.0	44.2	66.2



#18
Hexachloroethane
Concen: 40.177 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:	117	Resp:	107596
Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.4	113.0
201	101.0	79.0	118.4



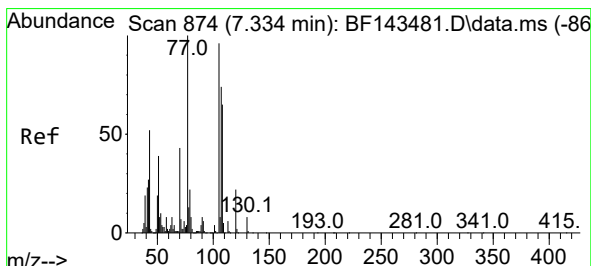
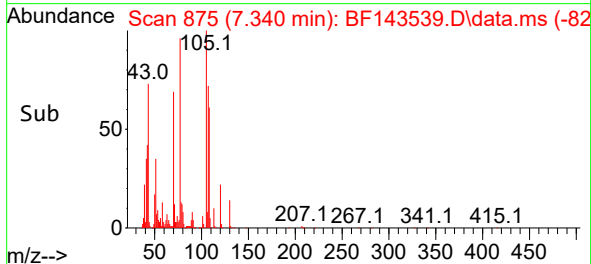
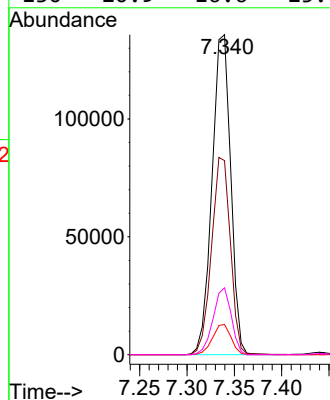
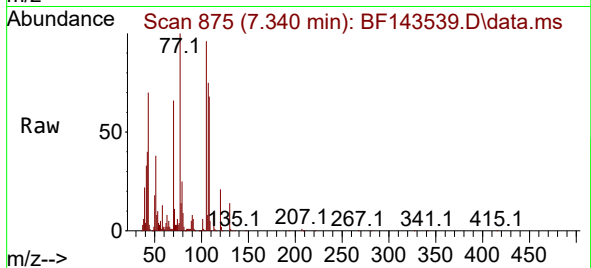


#19
n-Nitroso-di-n-propylamine
Concen: 39.035 ng
RT: 7.340 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 186353

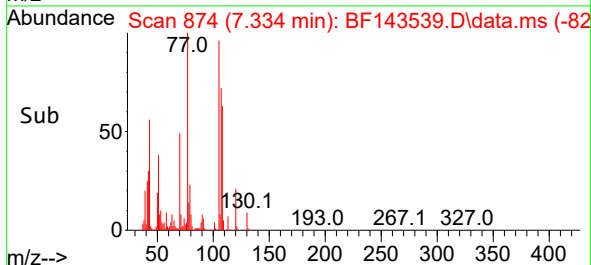
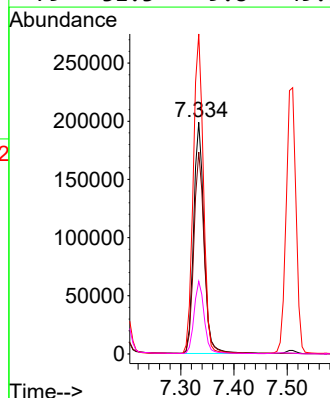
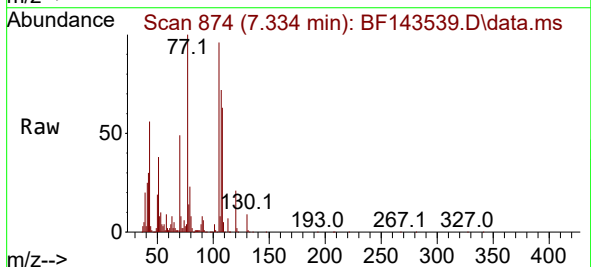
Ion	Ratio	Lower	Upper
70	100		
42	60.6	49.3	73.9
101	9.5	7.8	11.8
130	20.9	16.6	25.0

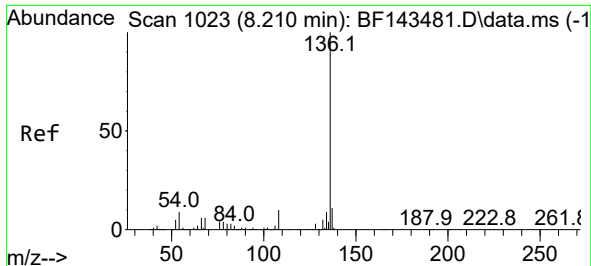


#20
3+4-Methylphenols
Concen: 39.911 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 107 Resp: 267236

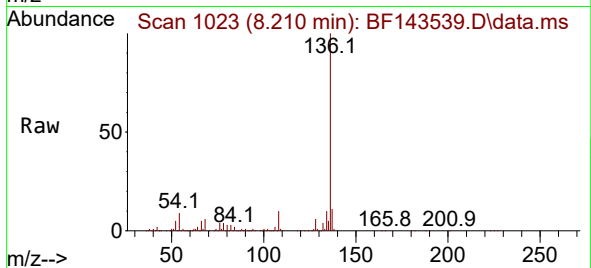
Ion	Ratio	Lower	Upper
107	100		
108	87.1	68.4	108.4
77	138.1	116.1	156.1
79	31.3	9.8	49.8



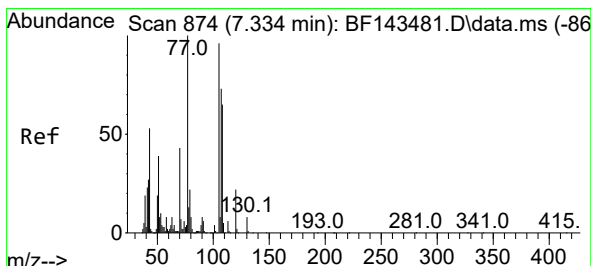
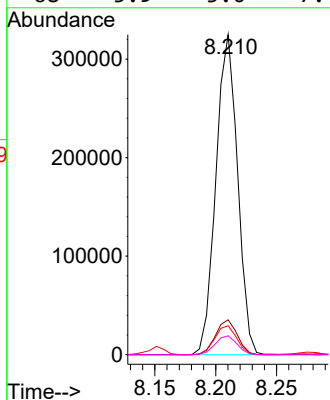
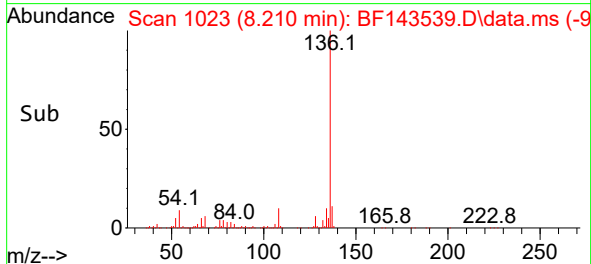


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

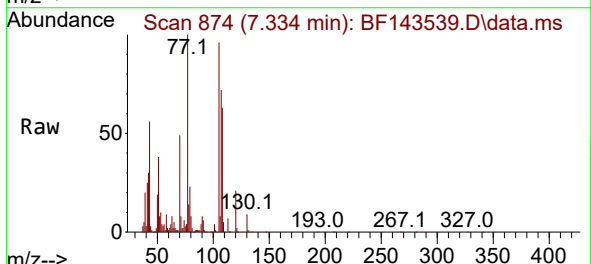
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



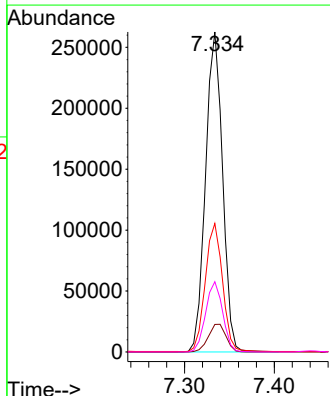
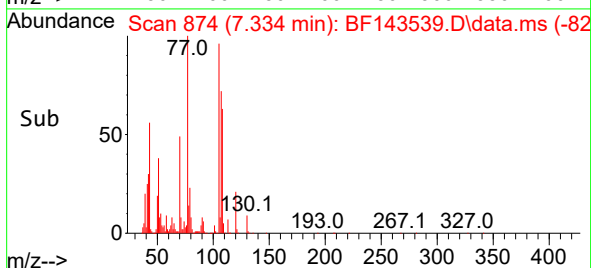
Tgt Ion:	136	Resp:	402251
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	9.1	7.4	11.2
68	5.9	5.0	7.4

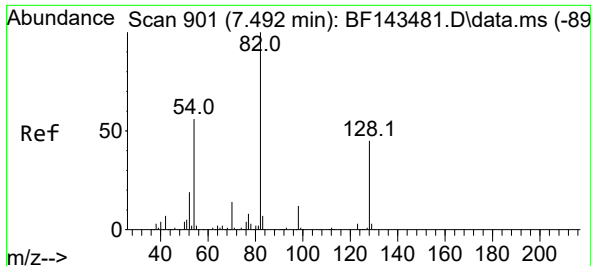


#22
Acetophenone
Concen: 39.831 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32



Tgt Ion:	105	Resp:	346144
Ion Ratio	Lower	Upper	
105	100		
71	8.6	5.9	8.9
51	40.1	32.5	48.7
120	21.9	18.0	27.0

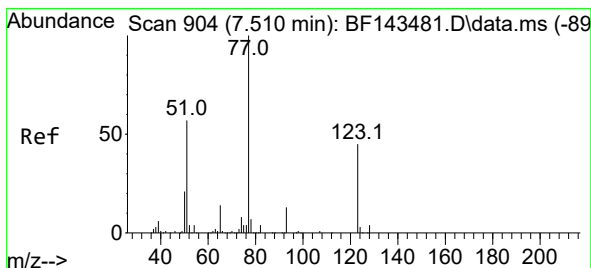
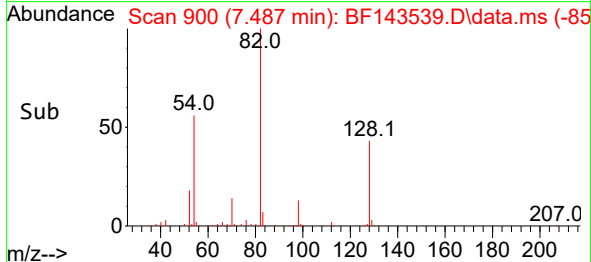
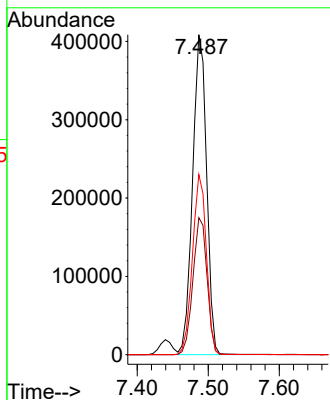
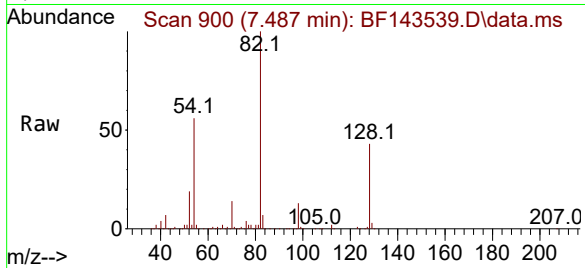




#23
Nitrobenzene-d5
Concen: 81.337 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

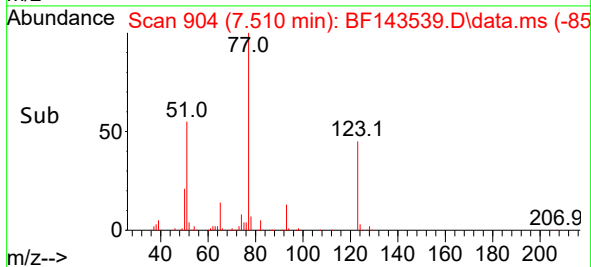
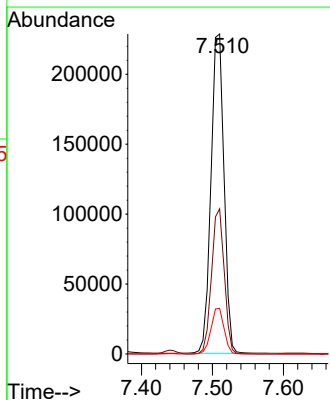
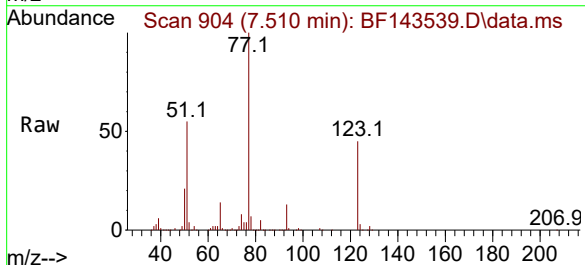
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

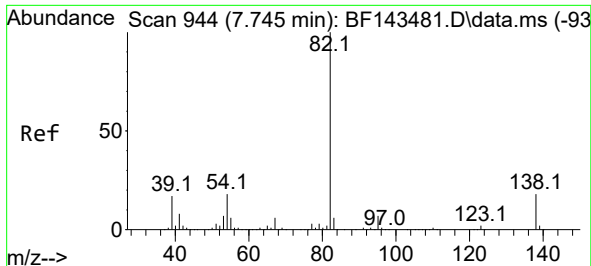
Tgt Ion: 82 Resp: 560673
Ion Ratio Lower Upper
82 100
128 42.8 35.5 53.3
54 56.3 44.3 66.5



#24
Nitrobenzene
Concen: 41.188 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 77 Resp: 292216
Ion Ratio Lower Upper
77 100
123 45.3 36.1 54.1
65 14.2 11.0 16.6

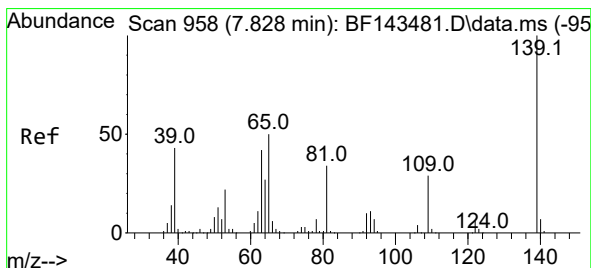
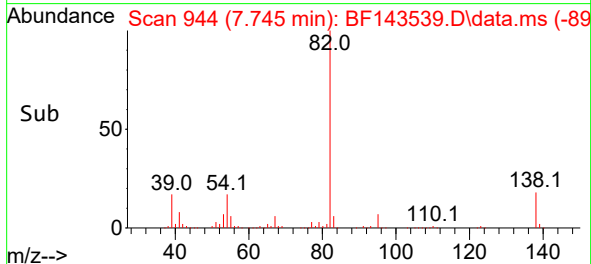
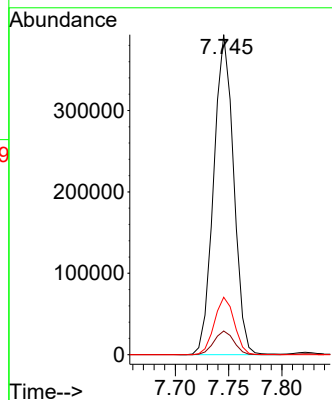
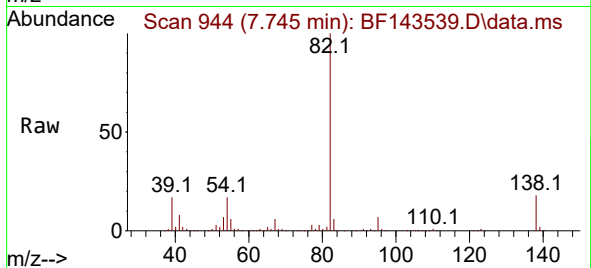




#25
Isophorone
Concen: 40.481 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

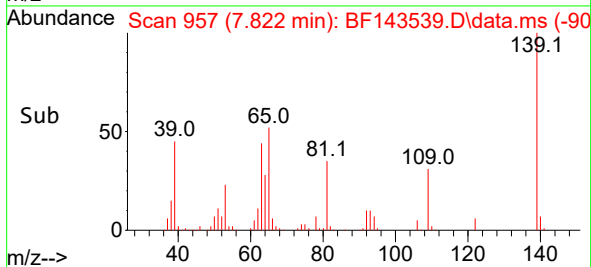
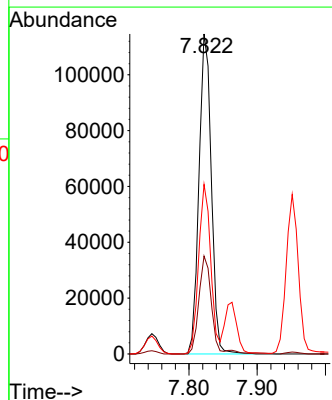
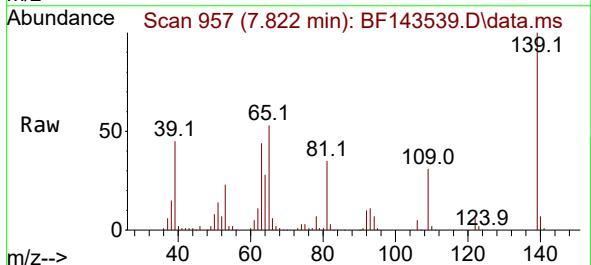
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

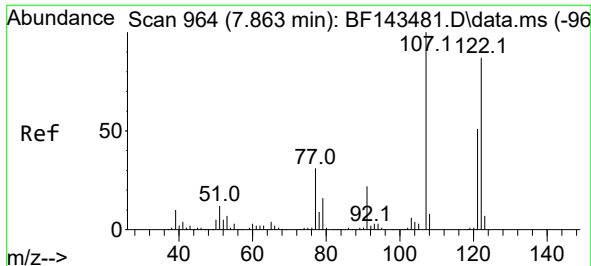
Tgt Ion: 82 Resp: 511518
Ion Ratio Lower Upper
82 100
95 7.4 5.8 8.8
138 18.0 14.2 21.4



#26
2-Nitrophenol
Concen: 41.538 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:139 Resp: 144354
Ion Ratio Lower Upper
139 100
109 30.6 23.0 34.6
65 53.0 40.3 60.5

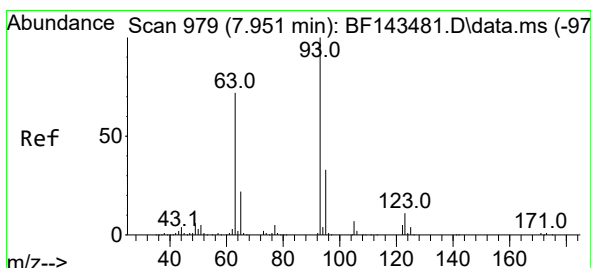
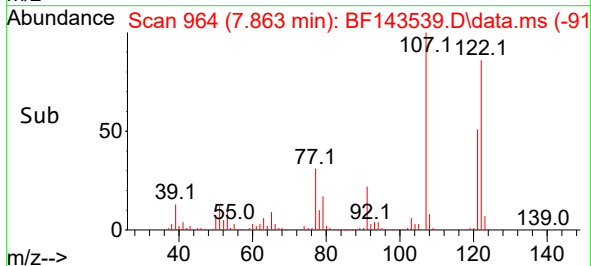
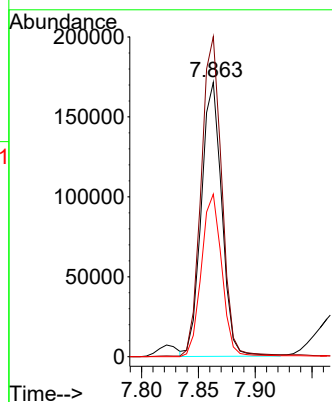
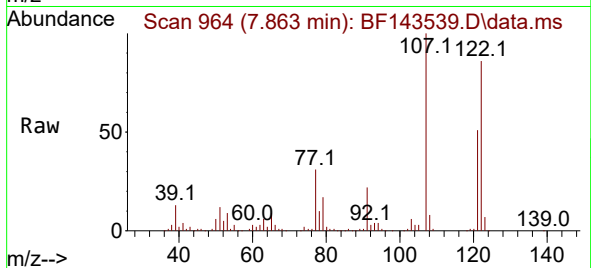




#27
2,4-Dimethylphenol
Concen: 39.611 ng
RT: 7.863 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

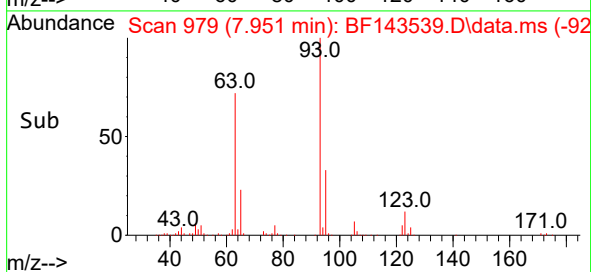
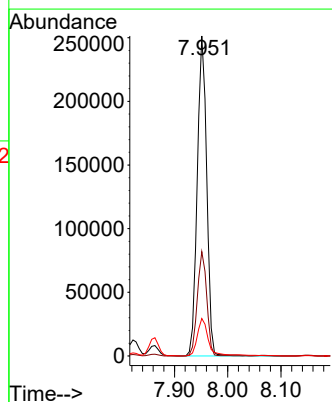
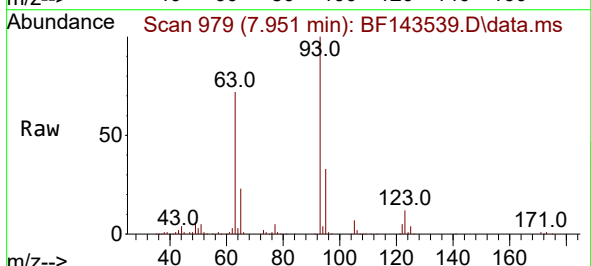
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

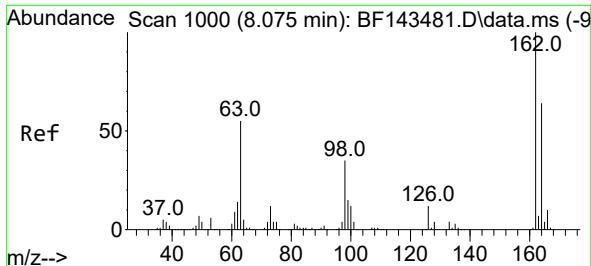
Tgt Ion:122 Resp: 214593
Ion Ratio Lower Upper
122 100
107 116.6 91.5 137.3
121 59.3 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 39.904 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 93 Resp: 309875
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 39.400 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

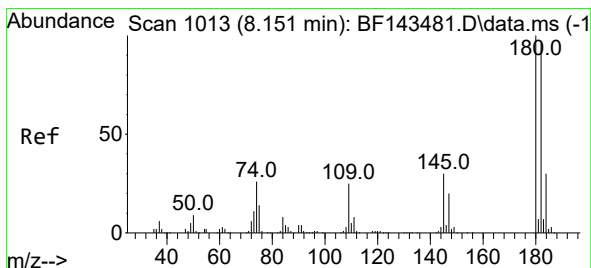
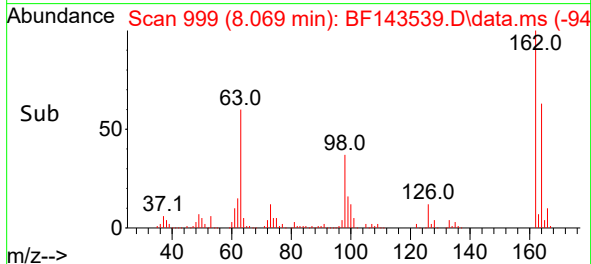
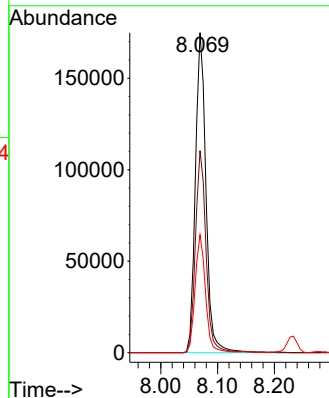
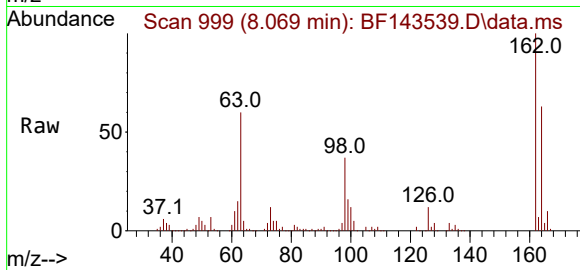
Tgt Ion:162 Resp: 227965

Ion Ratio Lower Upper

162 100

164 63.1 43.5 83.5

98 36.9 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 39.508 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

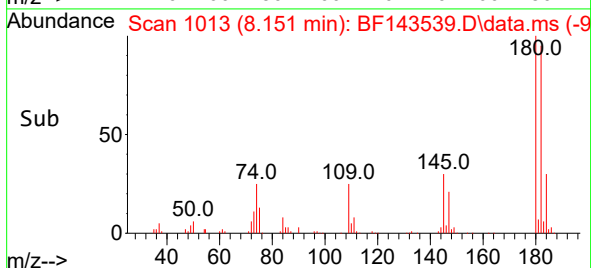
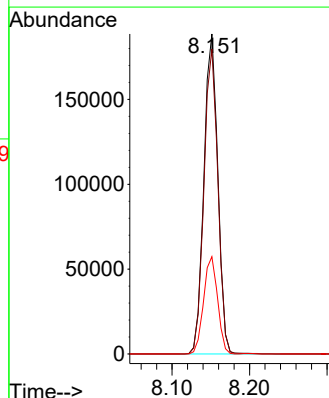
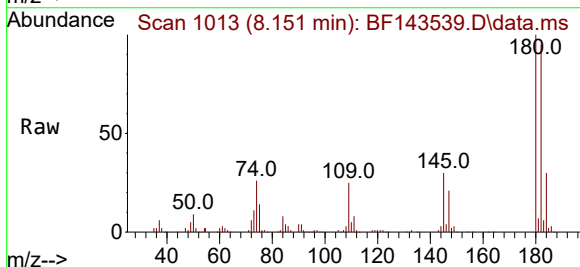
Tgt Ion:180 Resp: 235019

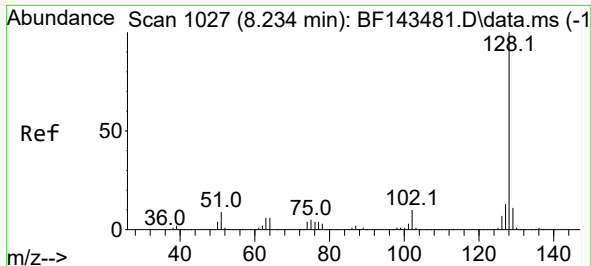
Ion Ratio Lower Upper

180 100

182 95.3 76.6 114.8

145 30.4 24.3 36.5

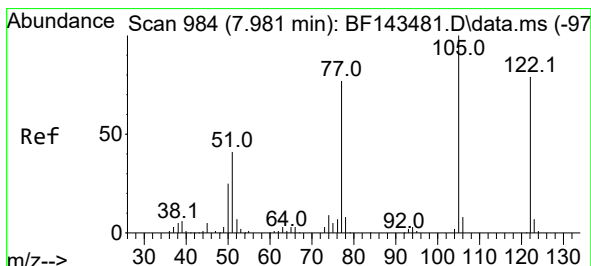
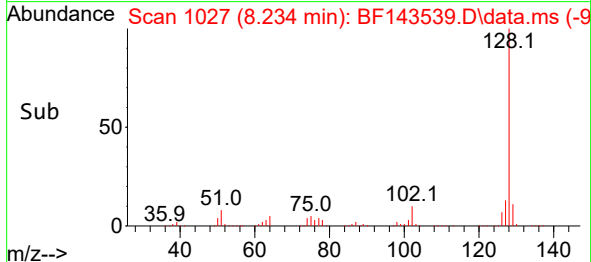
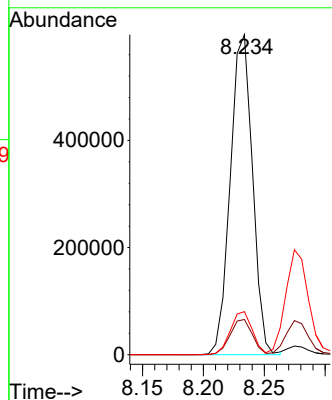
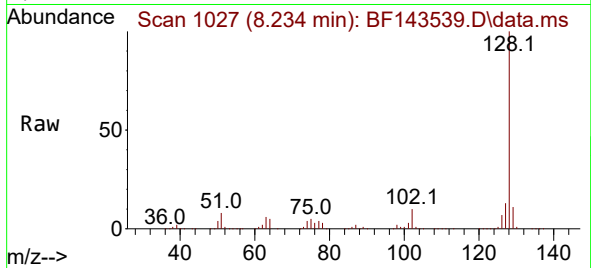




#31
Naphthalene
Concen: 39.258 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

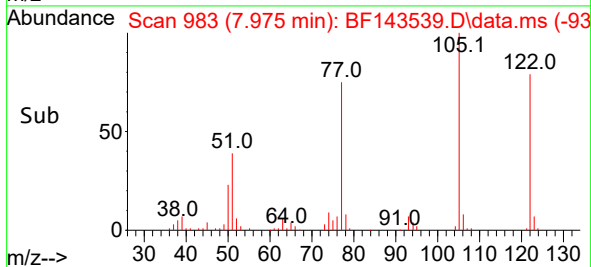
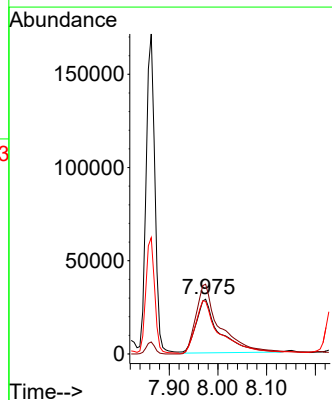
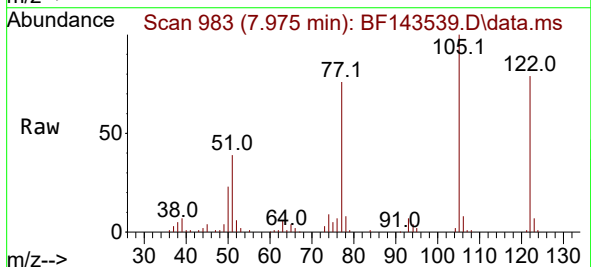
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

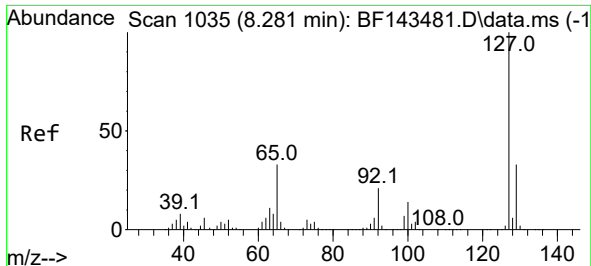
Tgt Ion:128 Resp: 758151
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 32.943 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.035 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:122 Resp: 95321
Ion Ratio Lower Upper
122 100
105 127.3 104.7 144.7
77 96.2 77.3 117.3

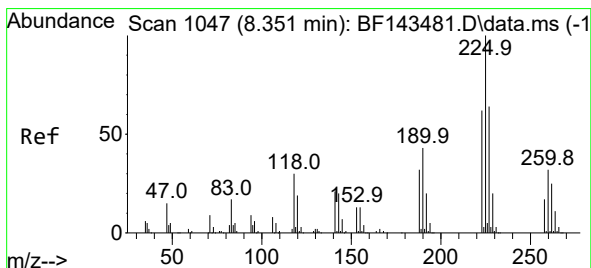
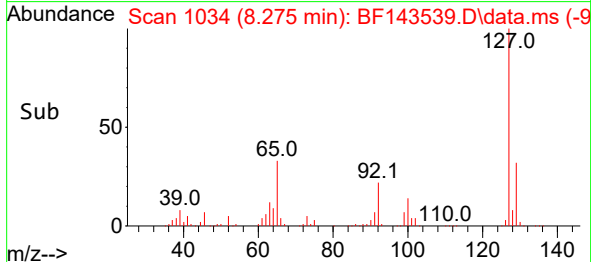
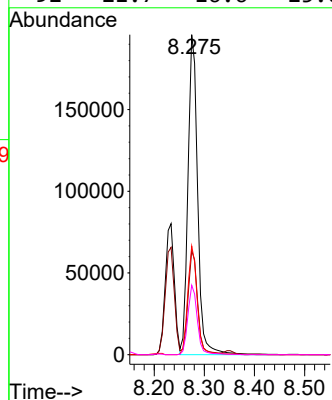
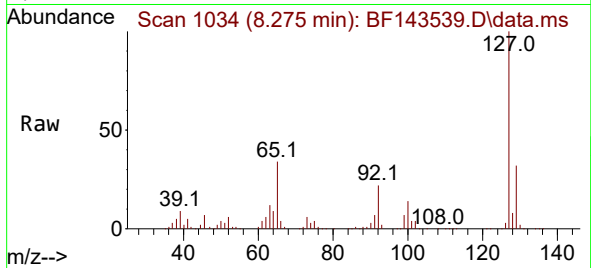




#33
4-Chloroaniline
Concen: 38.570 ng
RT: 8.275 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

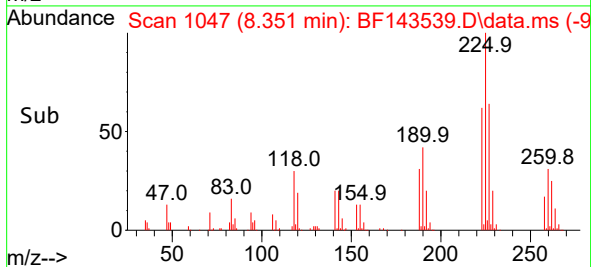
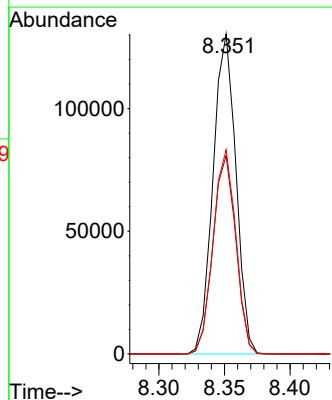
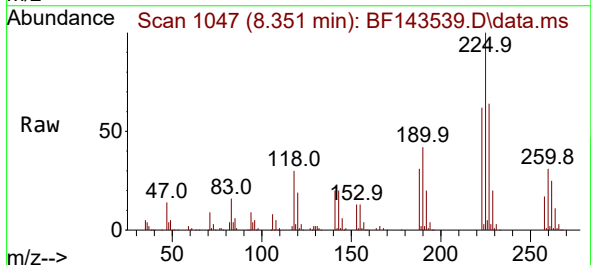
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

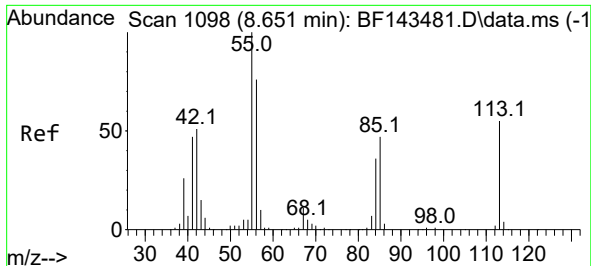
Tgt Ion:127	Resp: 264368
Ion Ratio	Lower Upper
127 100	
129 32.5	26.1 39.1
65 34.0	26.2 39.2
92 21.7	16.6 25.0



#34
Hexachlorobutadiene
Concen: 40.705 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:225	Resp: 157980
Ion Ratio	Lower Upper
225 100	
223 61.9	49.9 74.9
227 63.8	50.9 76.3

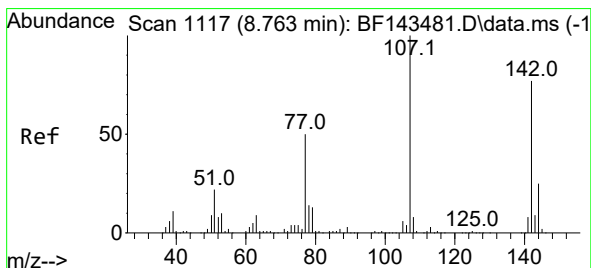
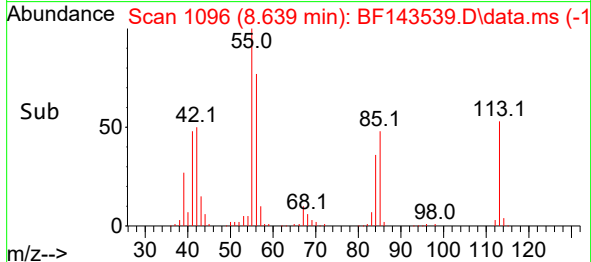
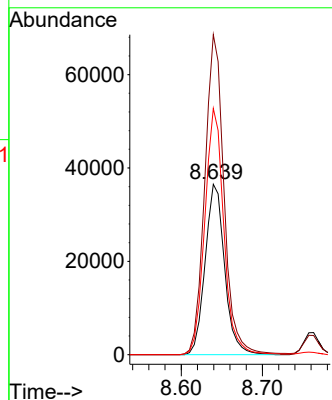
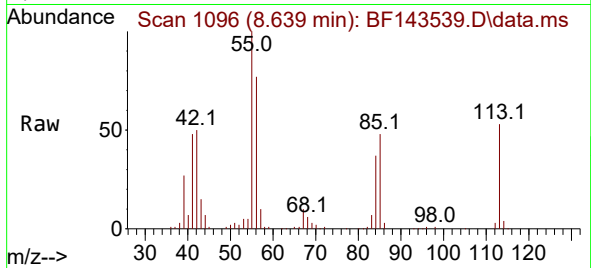




#35
 Caprolactam
 Concen: 43.789 ng
 RT: 8.639 min Scan# 1096
 Delta R.T. -0.035 min
 Lab File: BF143539.D
 Acq: 21 Aug 2025 19:32

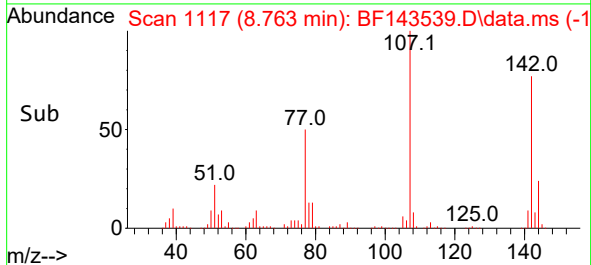
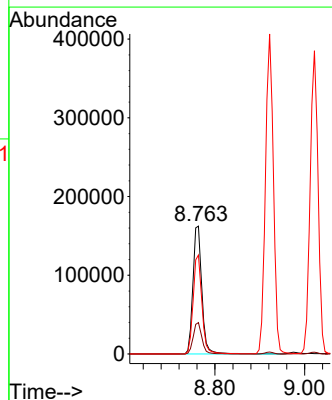
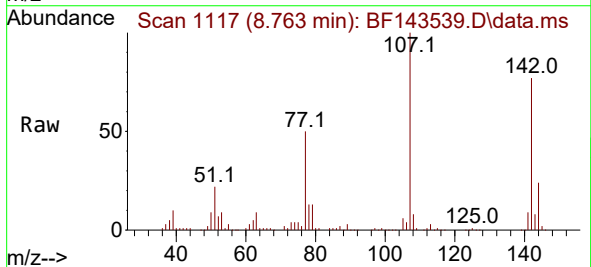
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

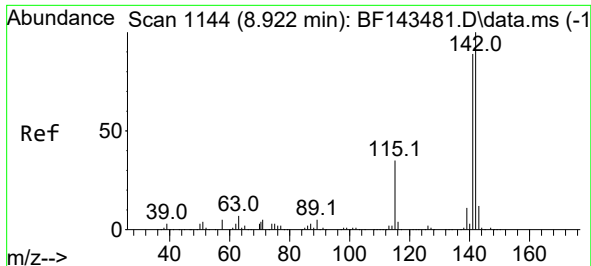
Tgt Ion:113 Resp: 60796
 Ion Ratio Lower Upper
 113 100
 55 187.8 162.8 202.8
 56 144.5 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 38.769 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143539.D
 Acq: 21 Aug 2025 19:32

Tgt Ion:107 Resp: 224793
 Ion Ratio Lower Upper
 107 100
 144 24.5 19.9 29.9
 142 77.4 61.8 92.8

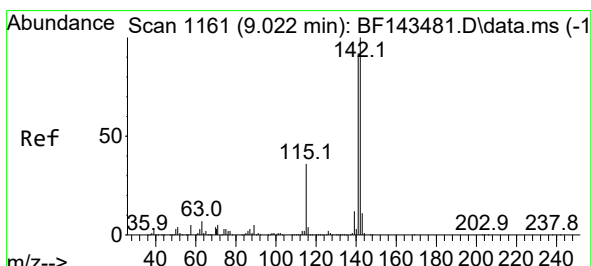
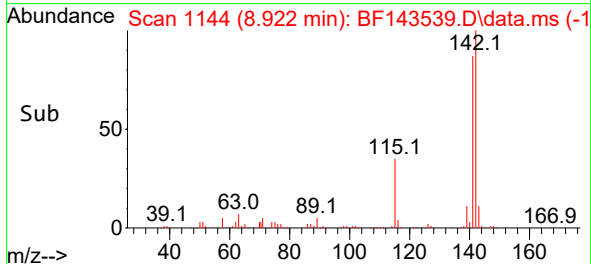
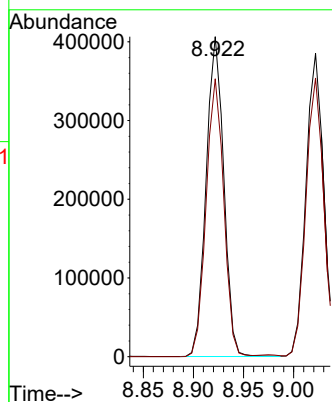
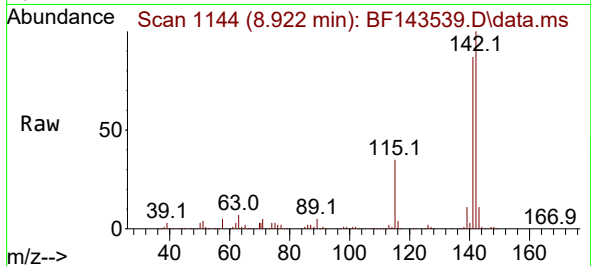




#37
2-Methylnaphthalene
Concen: 38.680 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

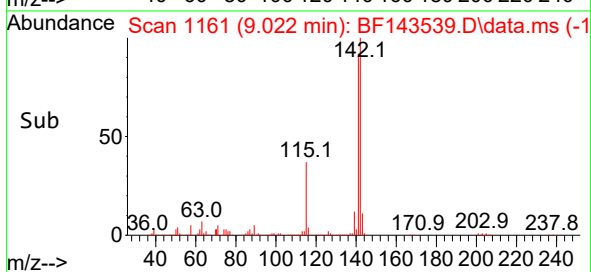
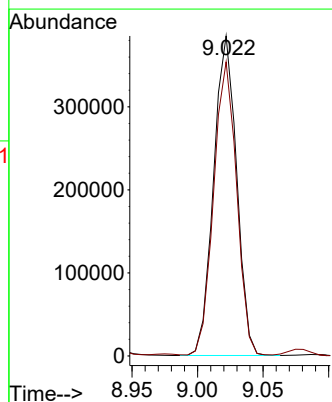
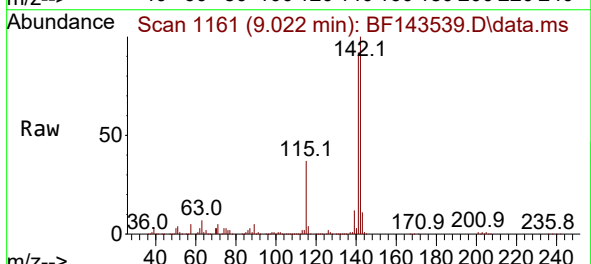
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

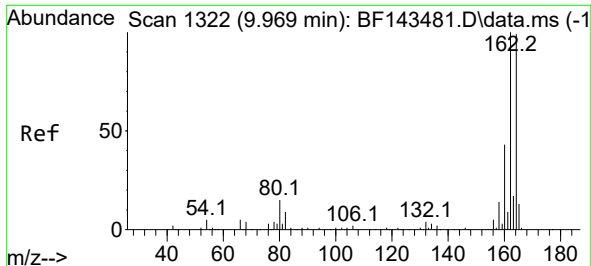
Tgt Ion:142 Resp: 498908
Ion Ratio Lower Upper
142 100
141 86.9 71.0 106.4



#38
1-Methylnaphthalene
Concen: 38.013 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:142 Resp: 468992
Ion Ratio Lower Upper
142 100
141 91.9 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

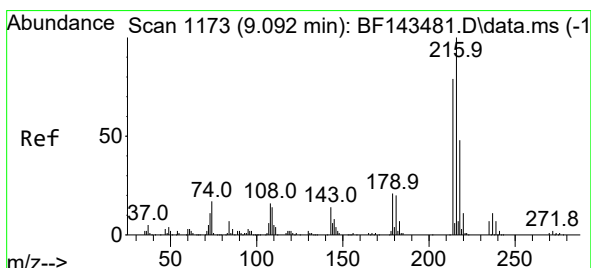
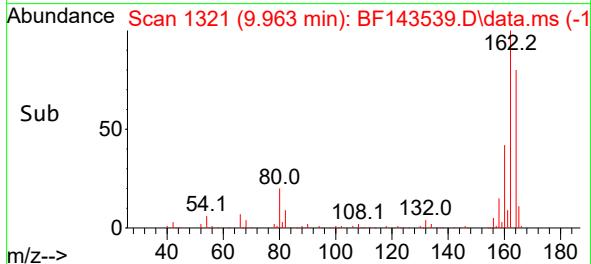
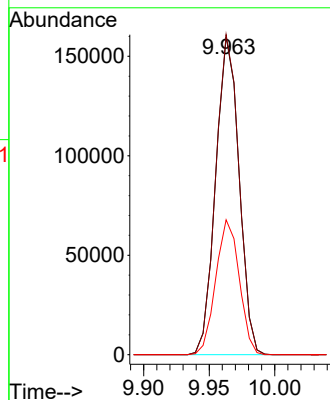
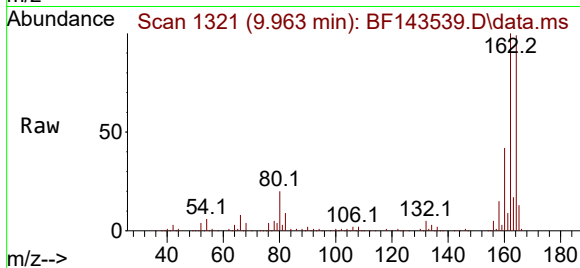
Tgt Ion:164 Resp: 197751

Ion Ratio Lower Upper

164 100

162 100.7 80.5 120.7

160 42.5 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.583 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Tgt Ion:216 Resp: 235213

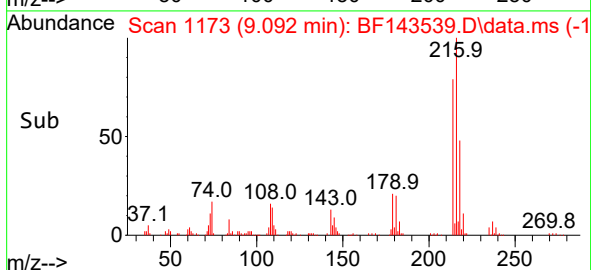
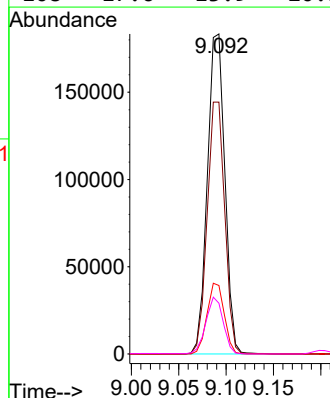
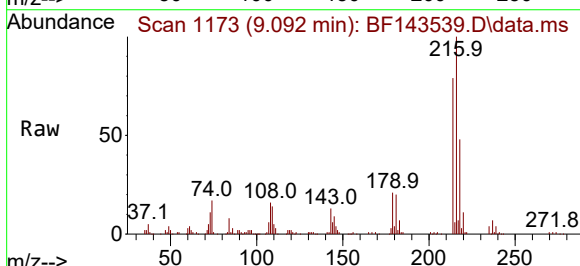
Ion Ratio Lower Upper

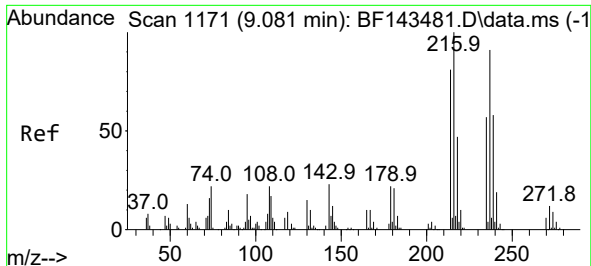
216 100

214 79.0 63.4 95.0

179 21.7 16.5 24.7

108 17.6 13.9 20.9

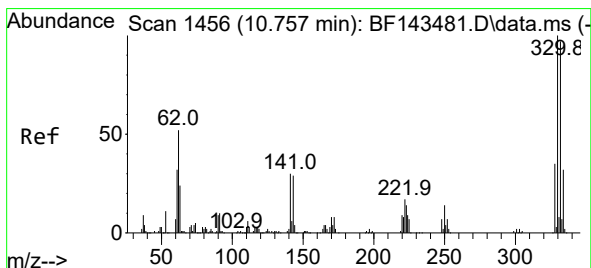
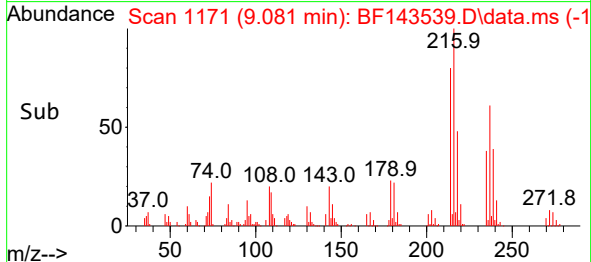
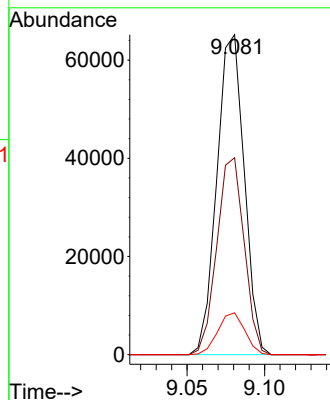
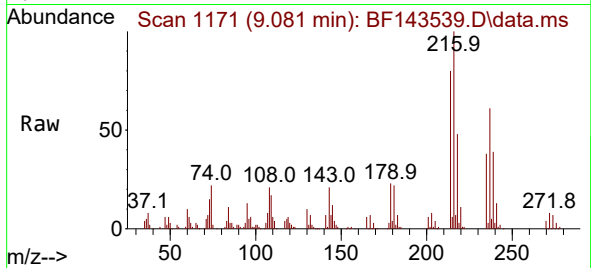




#41
Hexachlorocyclopentadiene
Concen: 40.008 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

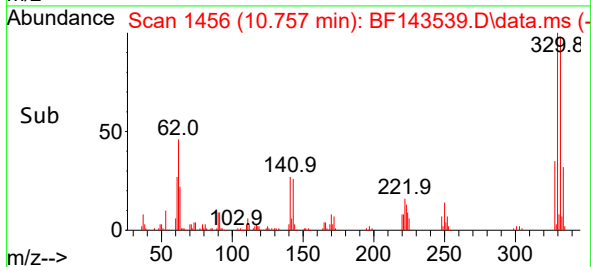
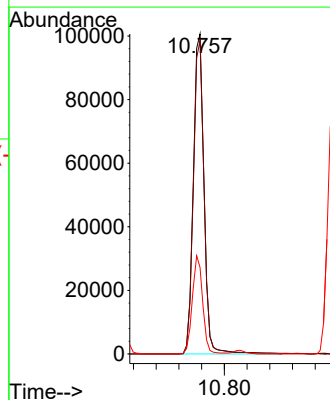
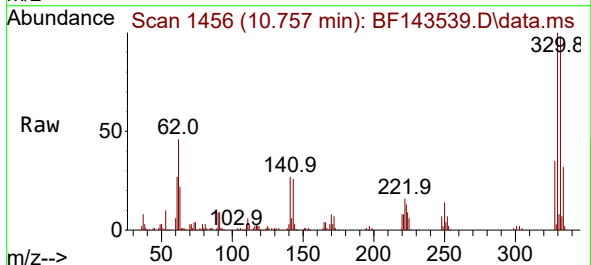
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

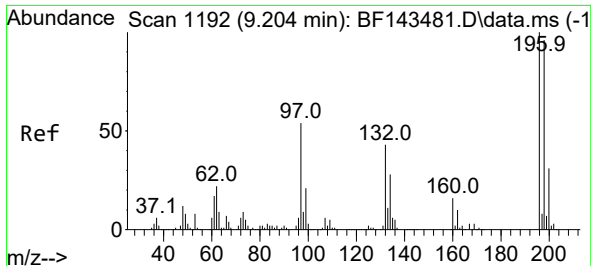
Tgt Ion: 237 Resp: 80228
Ion Ratio Lower Upper
237 100
235 61.6 42.6 82.6
272 13.1 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 71.678 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 330 Resp: 131942
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 29.7 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 41.956 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

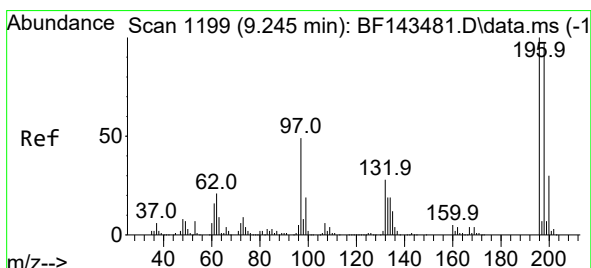
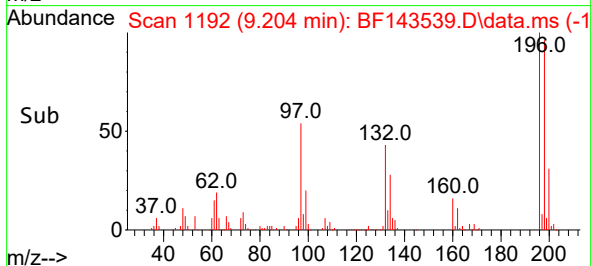
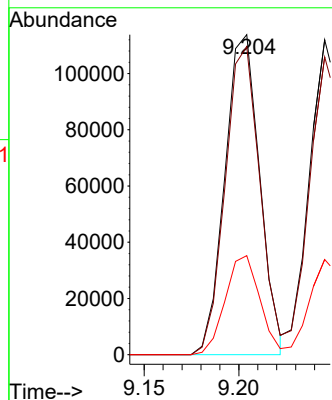
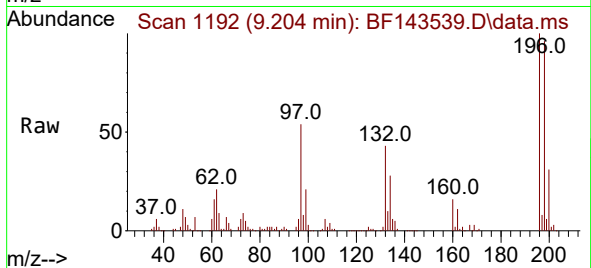
Tgt Ion:196 Resp: 146031

Ion Ratio Lower Upper

196 100

198 96.3 77.0 115.4

200 31.0 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 40.224 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Tgt Ion:196 Resp: 152926

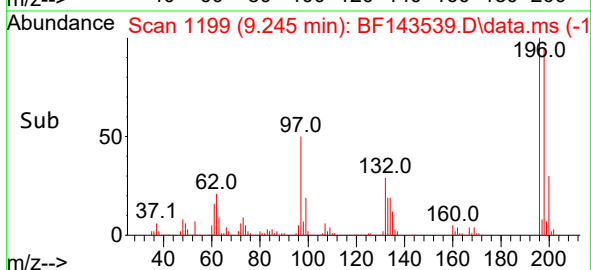
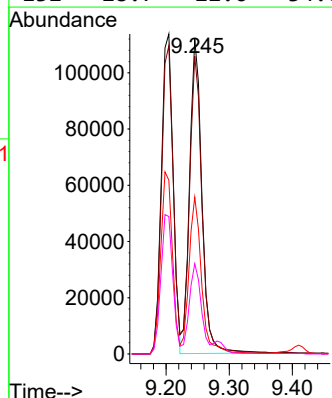
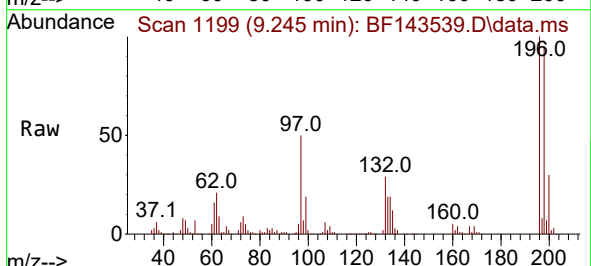
Ion Ratio Lower Upper

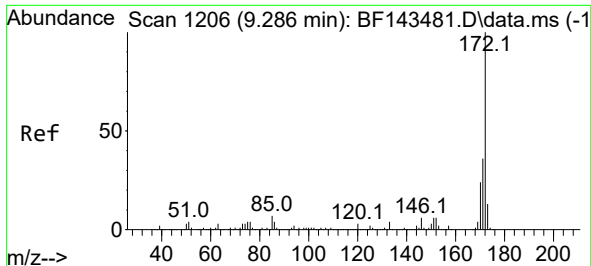
196 100

198 94.6 77.3 115.9

97 49.8 40.0 60.0

132 28.7 22.6 34.0

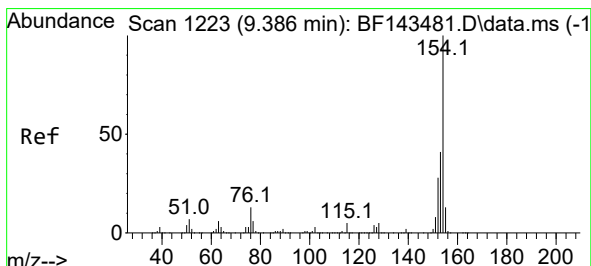
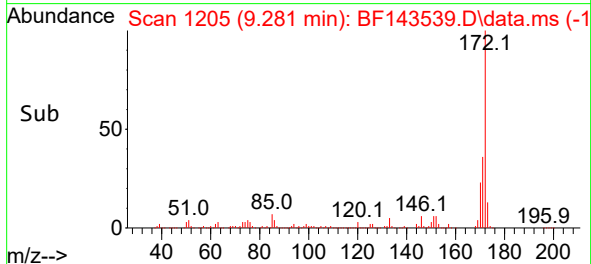
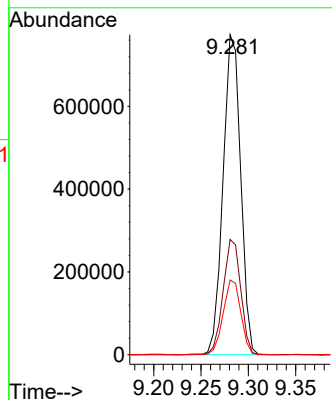
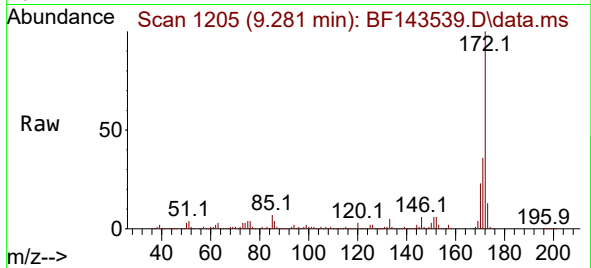




#45
2-Fluorobiphenyl
Concen: 83.673 ng
RT: 9.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

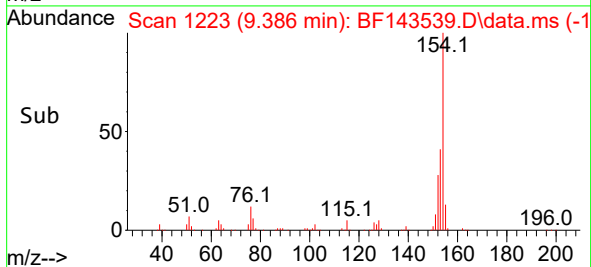
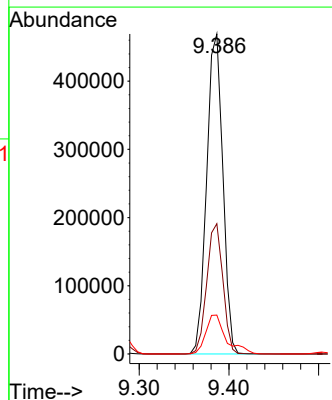
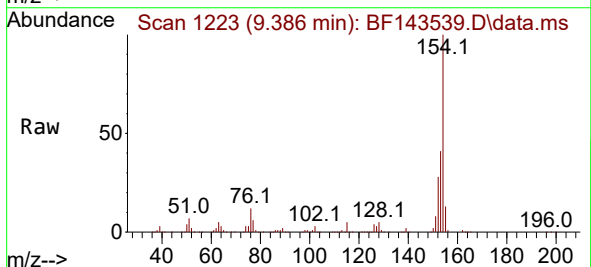
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

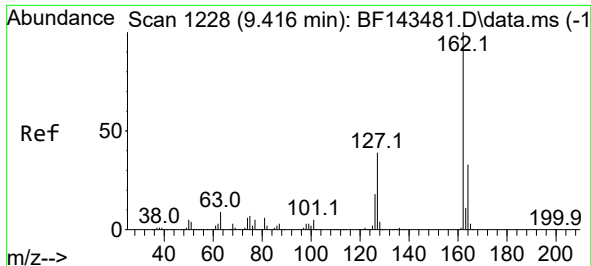
Tgt Ion:172 Resp: 1001186
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.4 18.8 28.2



#46
1,1'-Biphenyl
Concen: 41.811 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:154 Resp: 586854
Ion Ratio Lower Upper
154 100
153 40.7 20.6 60.6
76 12.1 0.0 33.0





#47

2-Chloronaphthalene

Concen: 41.011 ng

RT: 9.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

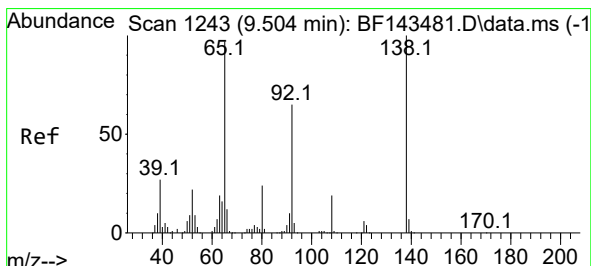
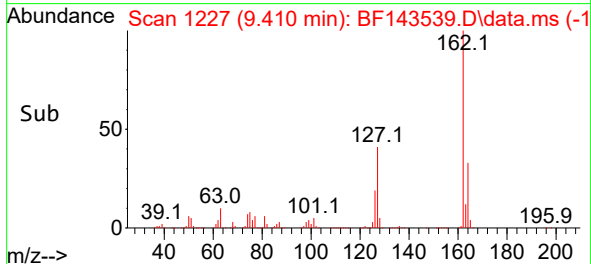
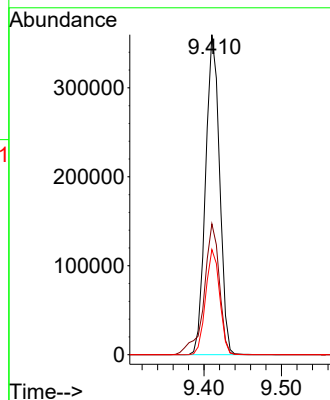
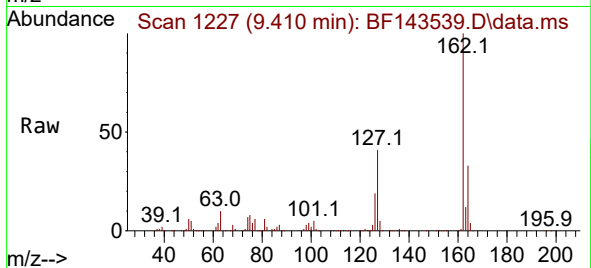
Tgt Ion:162 Resp: 451645

Ion Ratio Lower Upper

162 100

127 40.9 31.8 47.6

164 32.8 26.4 39.6



#48

2-Nitroaniline

Concen: 41.582 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

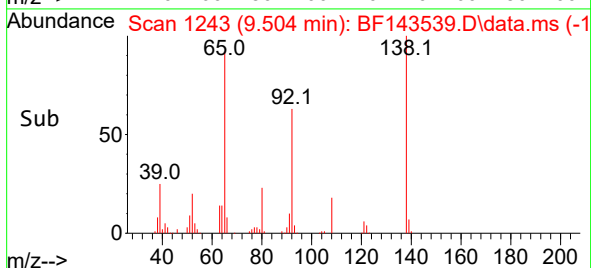
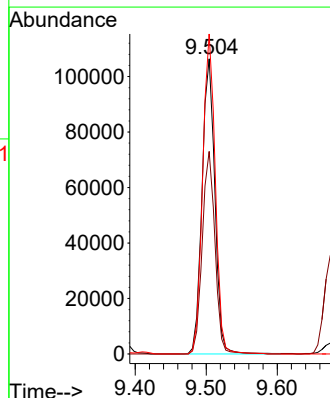
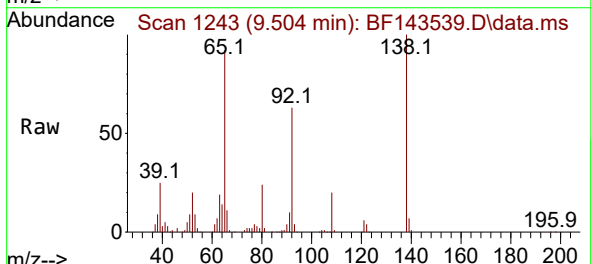
Tgt Ion: 65 Resp: 134022

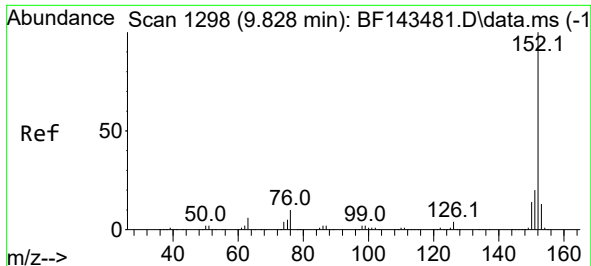
Ion Ratio Lower Upper

65 100

92 68.6 53.8 80.6

138 108.4 82.4 123.6





#49

Acenaphthylene

Concen: 40.434 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

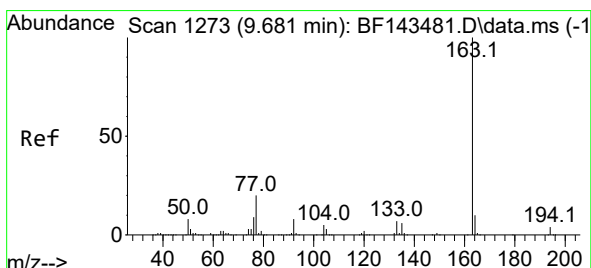
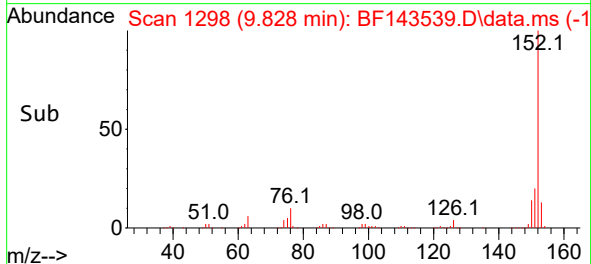
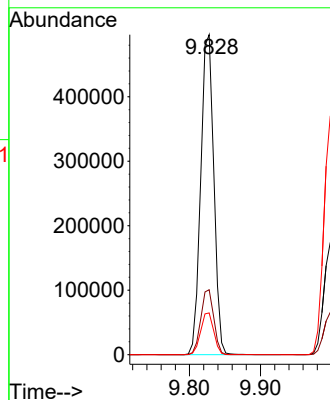
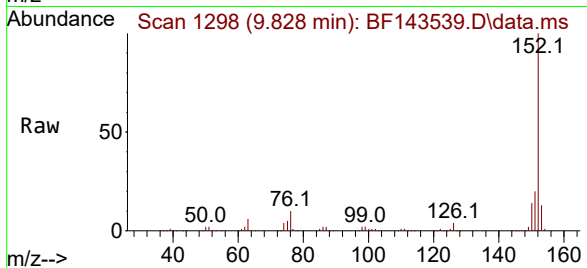
Tgt Ion:152 Resp: 637603

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 13.0 10.6 15.8



#50

Dimethylphthalate

Concen: 44.261 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

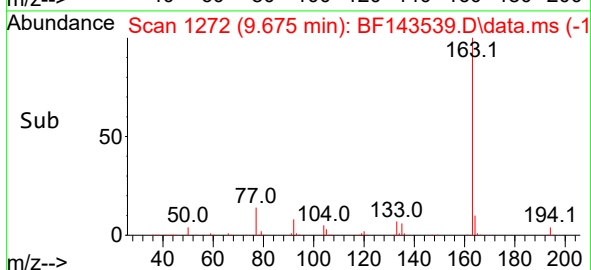
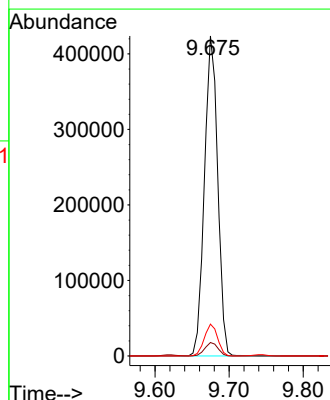
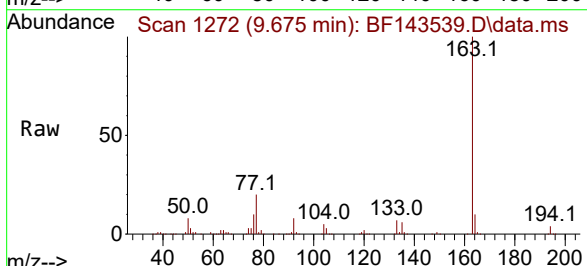
Tgt Ion:163 Resp: 527145

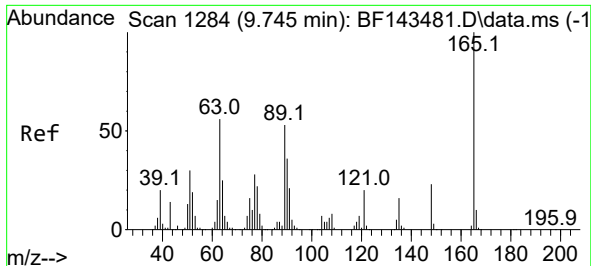
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.0 8.2 12.2

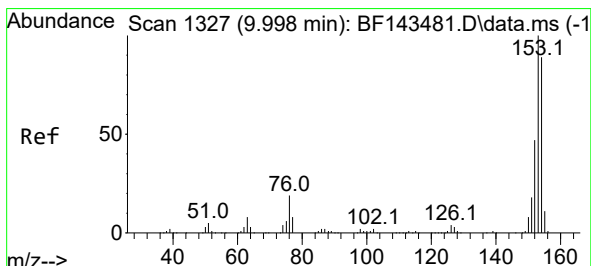
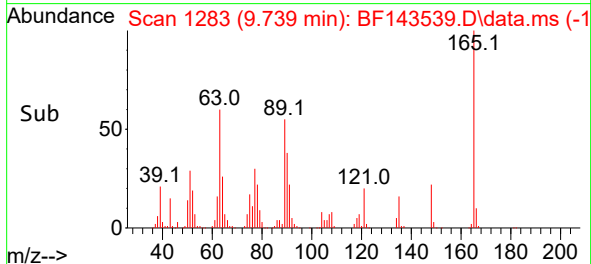
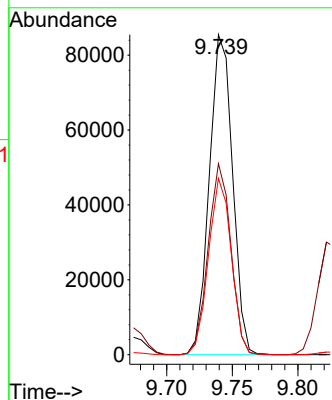
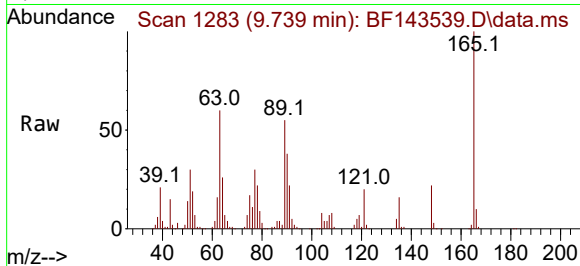




#51
2,6-Dinitrotoluene
Concen: 42.723 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

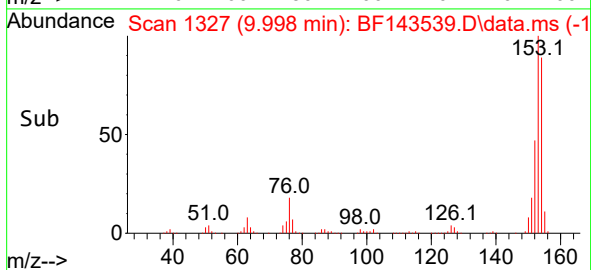
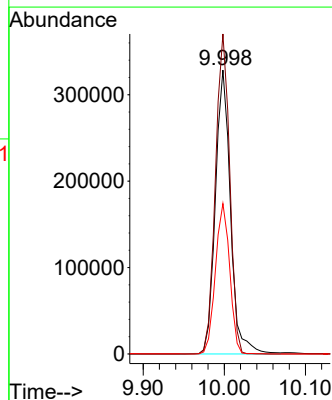
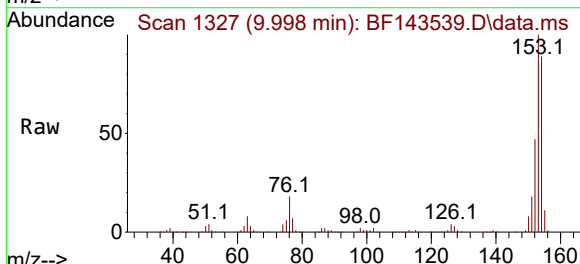
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

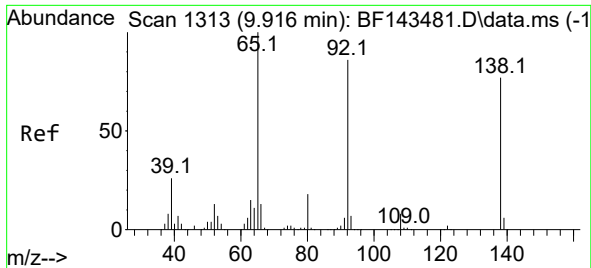
Tgt Ion:165 Resp: 105458
Ion Ratio Lower Upper
165 100
63 59.7 45.0 67.6
89 55.1 42.5 63.7



#52
Acenaphthene
Concen: 39.741 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:154 Resp: 425489
Ion Ratio Lower Upper
154 100
153 112.7 89.5 134.3
152 53.0 42.5 63.7

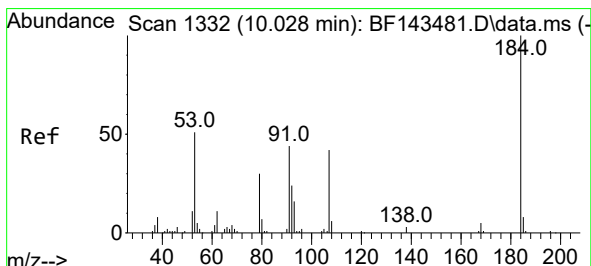
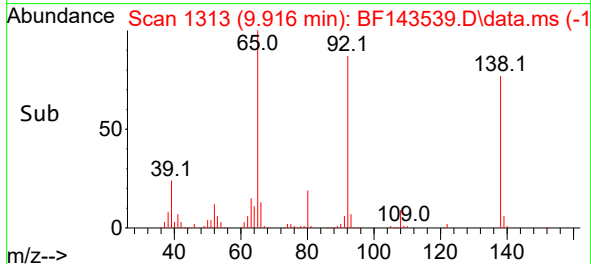
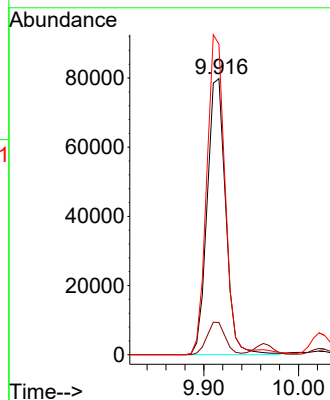
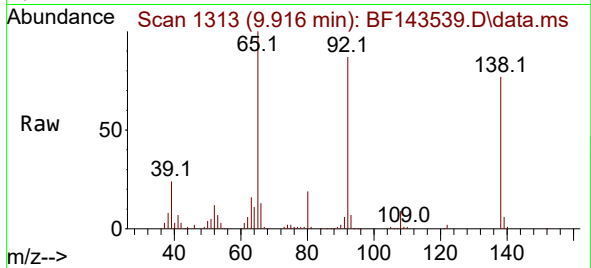




#53
3-Nitroaniline
Concen: 40.609 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

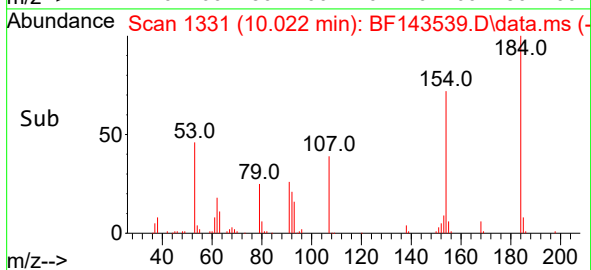
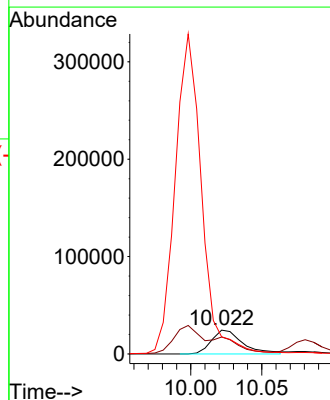
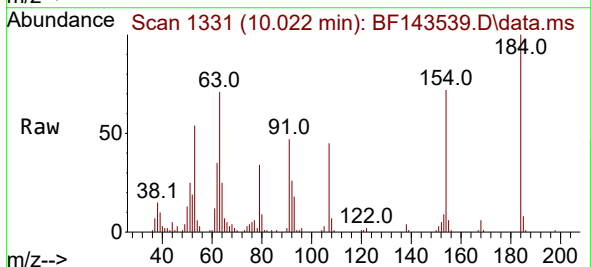
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

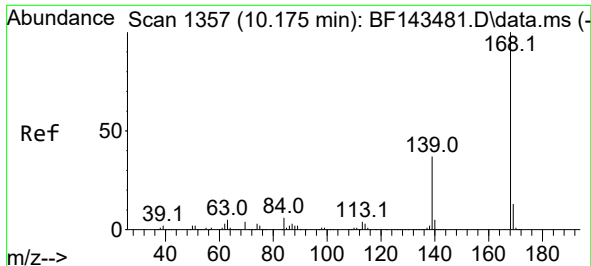
Tgt Ion:138 Resp: 108314
Ion Ratio Lower Upper
138 100
108 11.7 8.6 13.0
92 112.5 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 31.881 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:184 Resp: 37584
Ion Ratio Lower Upper
184 100
63 70.7 52.6 78.8
154 71.6 51.0 76.4

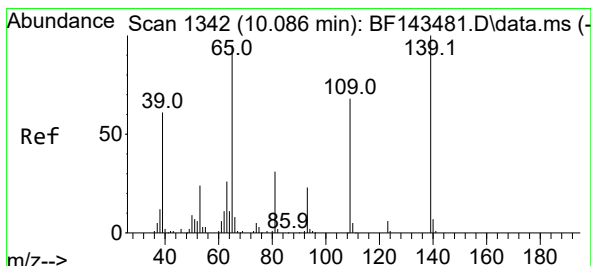
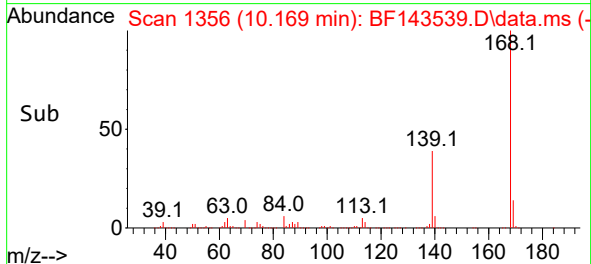
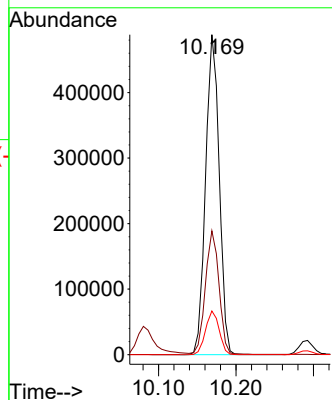
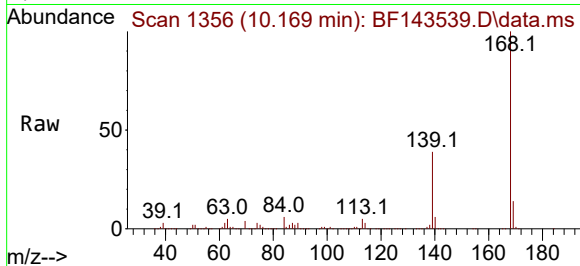




#55
Dibenzenofuran
Concen: 39.052 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

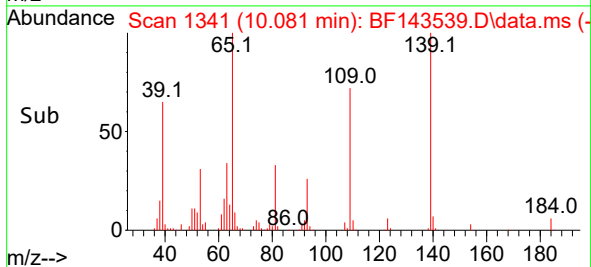
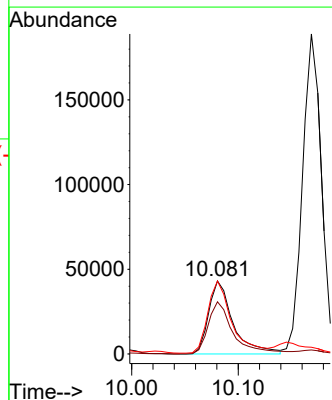
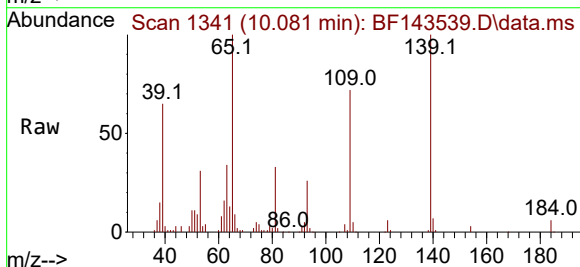
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

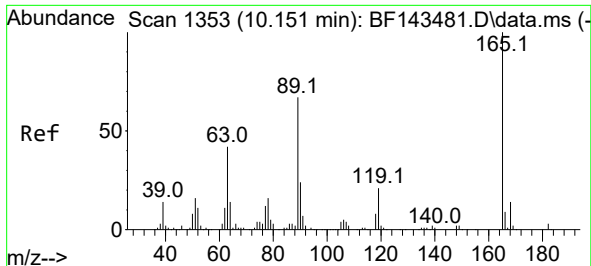
Tgt Ion:168 Resp: 596110
Ion Ratio Lower Upper
168 100
139 38.7 29.8 44.6
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 43.542 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:139 Resp: 69103
Ion Ratio Lower Upper
139 100
109 71.5 48.2 88.2
65 99.9 75.8 115.8





#57

2,4-Dinitrotoluene

Concen: 40.847 ng

RT: 10.145 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:165 Resp: 134631

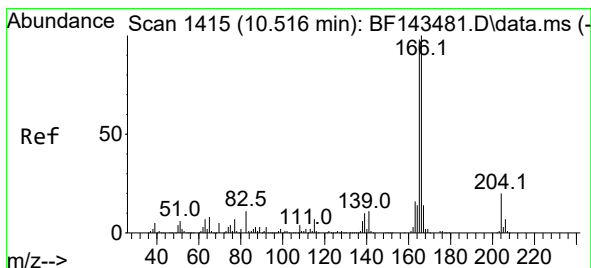
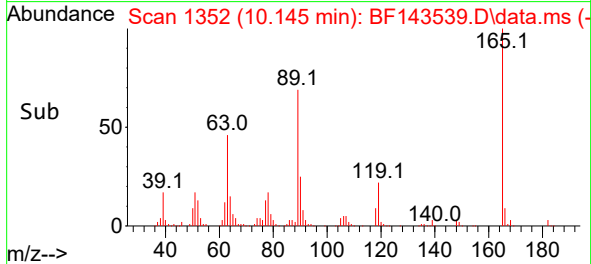
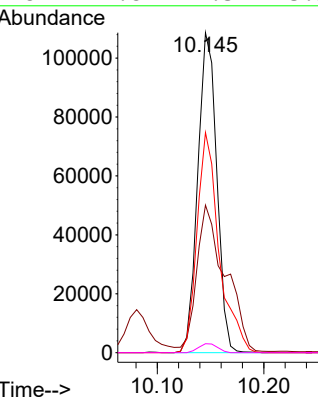
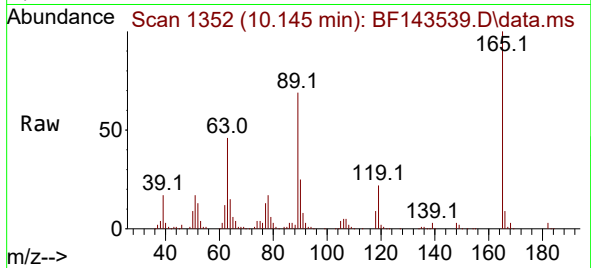
Ion Ratio Lower Upper

165 100

63 46.1 34.9 52.3

89 68.8 53.3 79.9

182 2.8 2.3 3.5



#58

Fluorene

Concen: 38.364 ng

RT: 10.516 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

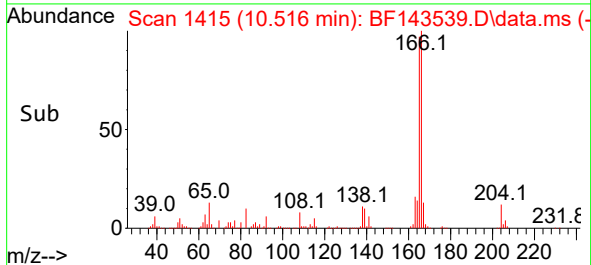
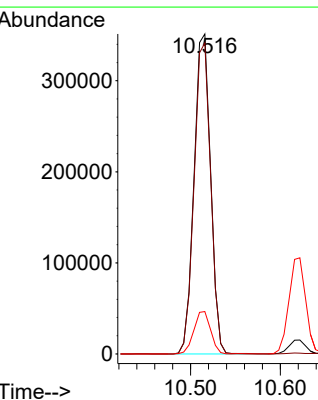
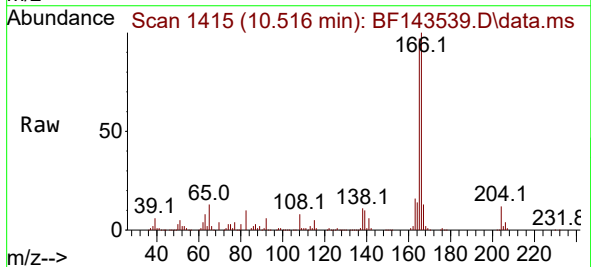
Tgt Ion:166 Resp: 450707

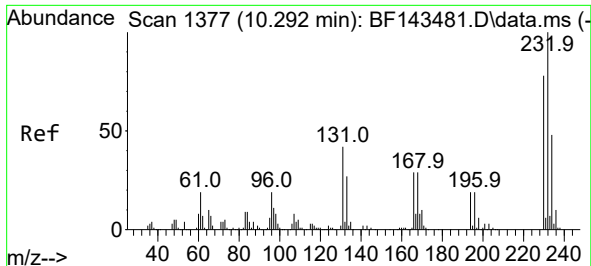
Ion Ratio Lower Upper

166 100

165 97.2 78.3 117.5

167 13.2 11.0 16.4

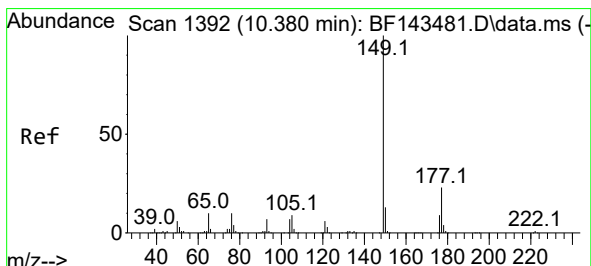
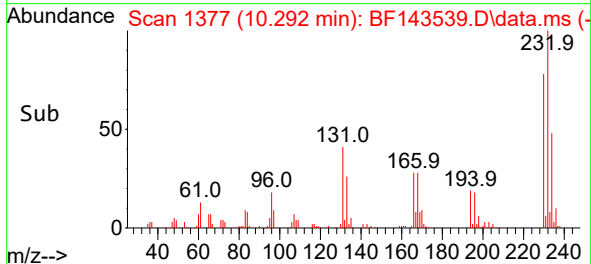
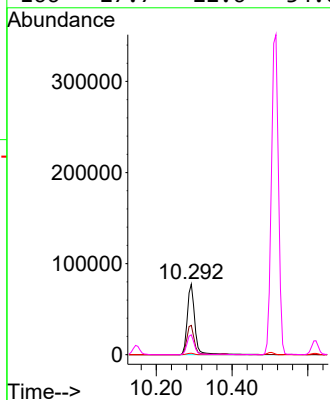
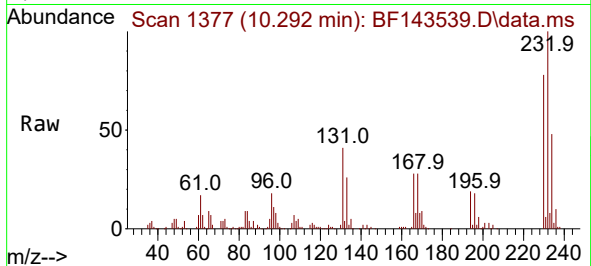




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.783 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

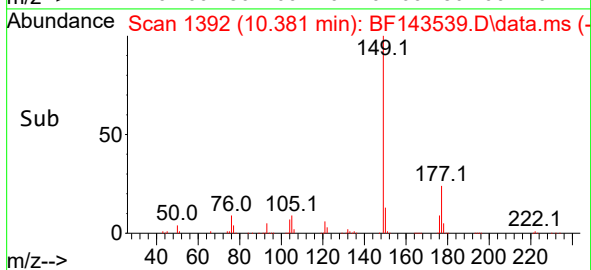
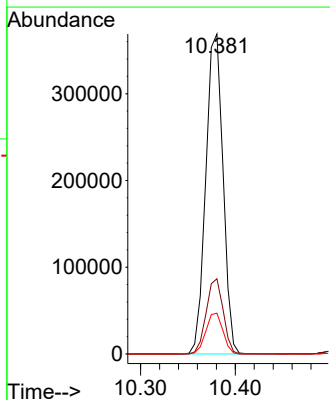
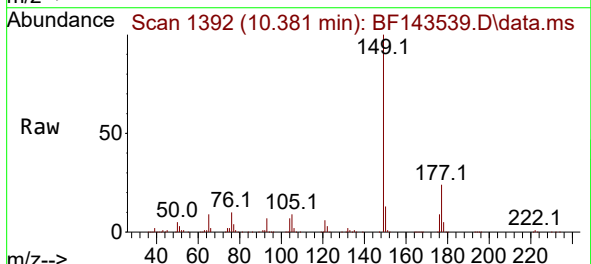
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

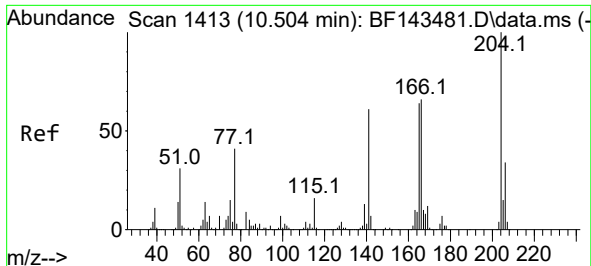
Tgt Ion:232 Resp: 106720
Ion Ratio Lower Upper
232 100
131 41.0 32.7 49.1
130 1.9 1.6 2.4
166 27.7 22.6 34.0



#60
Diethylphthalate
Concen: 43.716 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:149 Resp: 466799
Ion Ratio Lower Upper
149 100
177 23.5 18.3 27.5
150 12.7 10.3 15.5

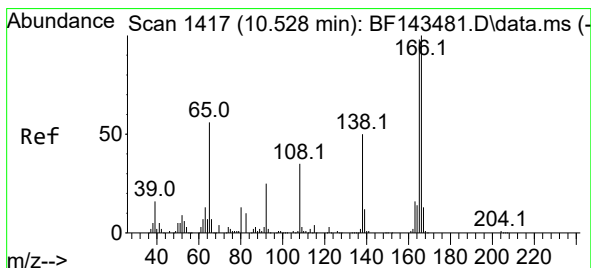
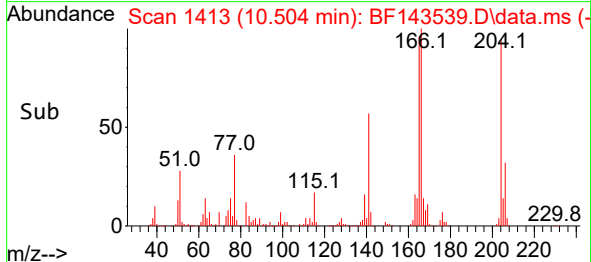
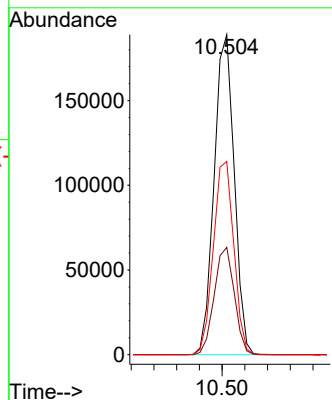
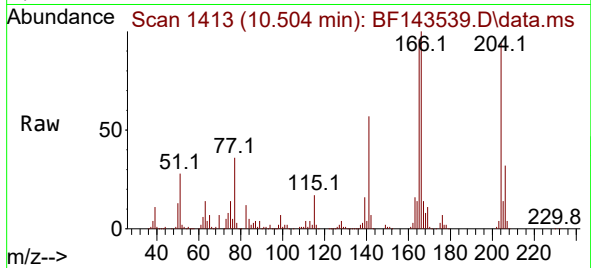




#61
4-Chlorophenyl-phenylether
Concen: 39.562 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

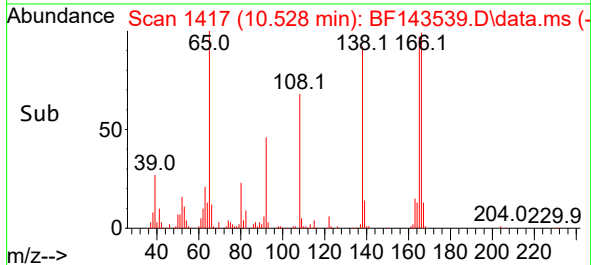
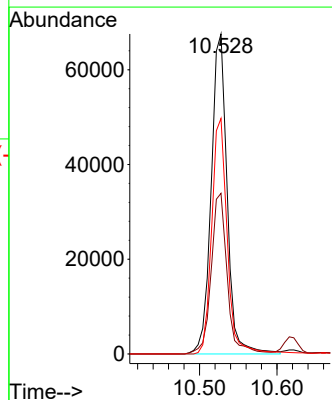
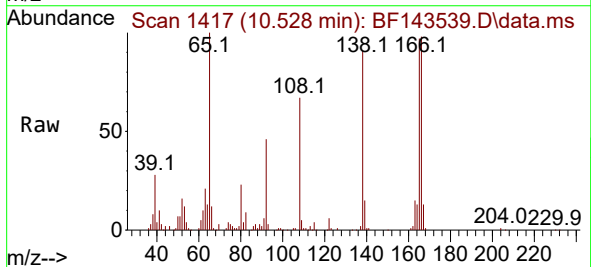
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

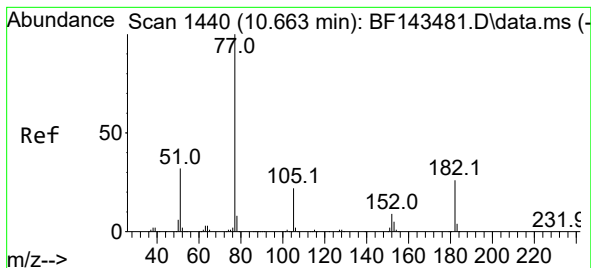
Tgt Ion:204 Resp: 232448
Ion Ratio Lower Upper
204 100
206 33.6 27.0 40.4
141 60.3 48.7 73.1



#62
4-Nitroaniline
Concen: 39.469 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:138 Resp: 96697
Ion Ratio Lower Upper
138 100
92 50.2 29.3 69.3
108 73.6 50.7 90.7



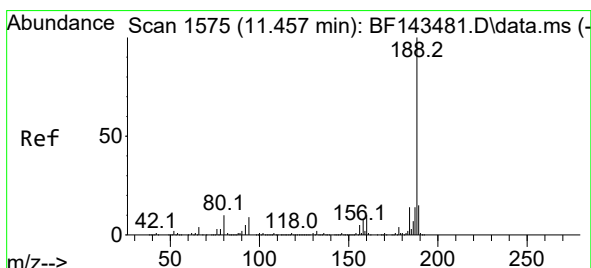
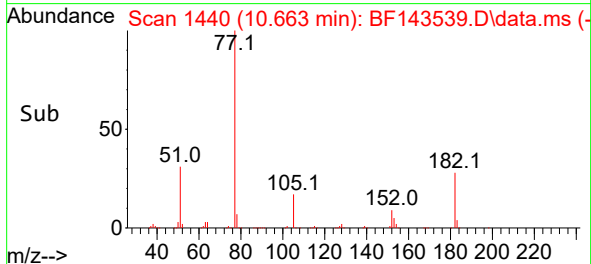
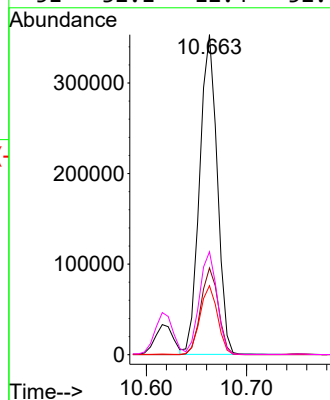
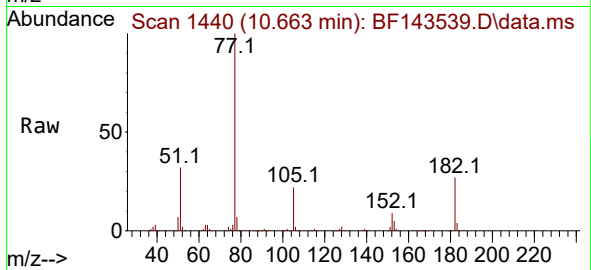


#63
Azobenzene
Concen: 38.969 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 431460

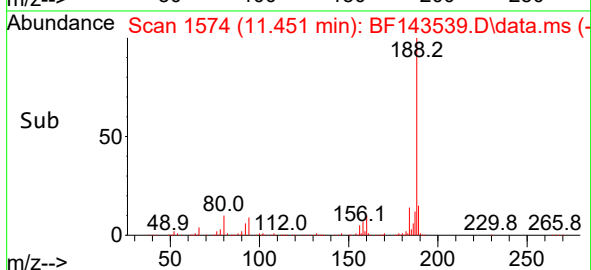
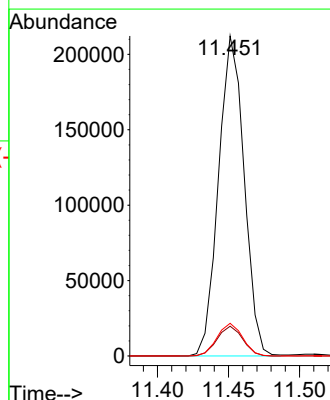
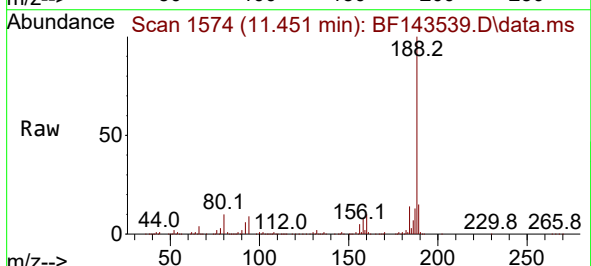
Ion	Ratio	Lower	Upper
77	100		
182	27.1	6.2	46.2
105	21.5	2.2	42.2
51	32.1	12.4	52.4

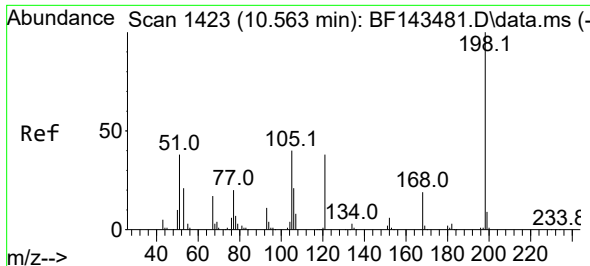


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 188 Resp: 266164

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	10.2	8.2	12.4

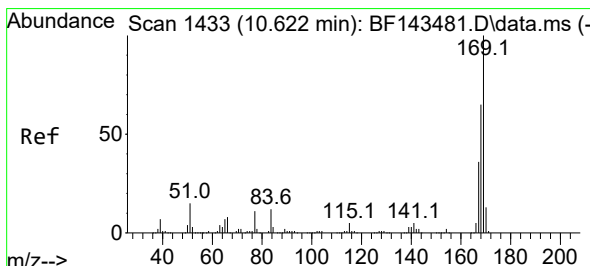
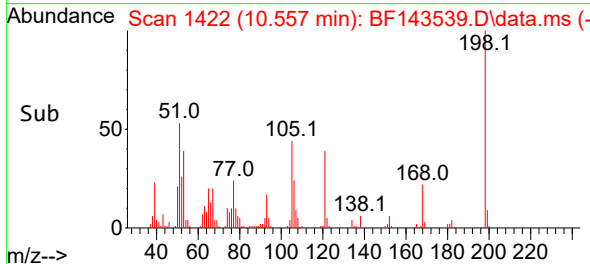
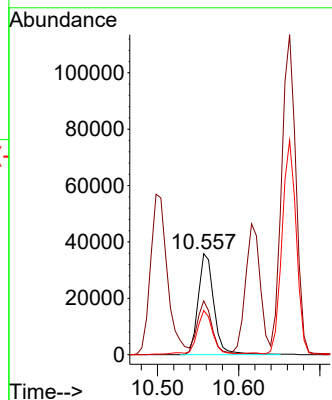
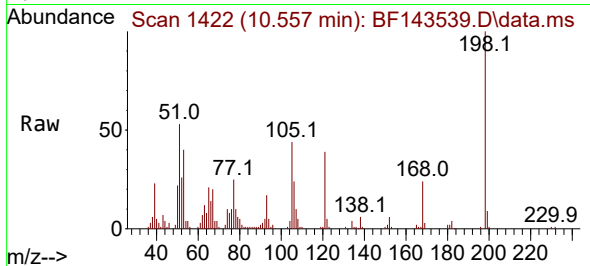




#65
4,6-Dinitro-2-methylphenol
Concen: 32.117 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

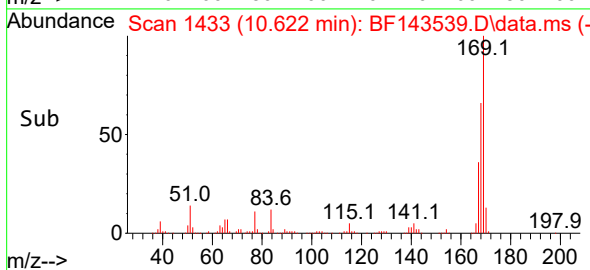
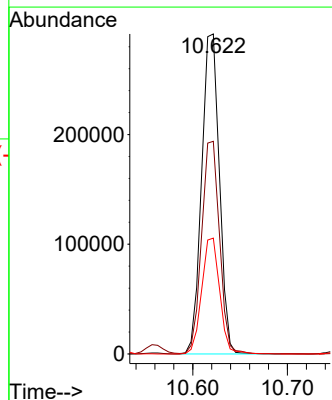
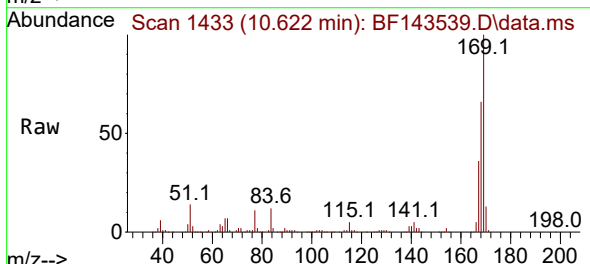
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

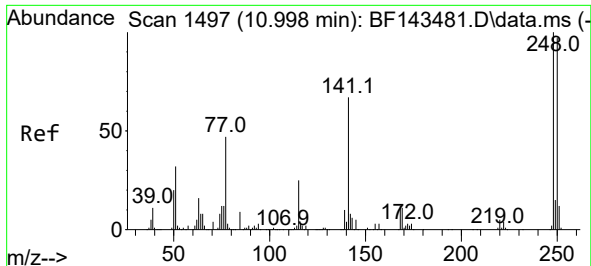
Tgt Ion:198 Resp: 48200
Ion Ratio Lower Upper
198 100
51 53.2 29.6 69.6
105 43.7 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 44.307 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:169 Resp: 379520
Ion Ratio Lower Upper
169 100
168 66.4 52.4 78.6
167 36.2 28.9 43.3

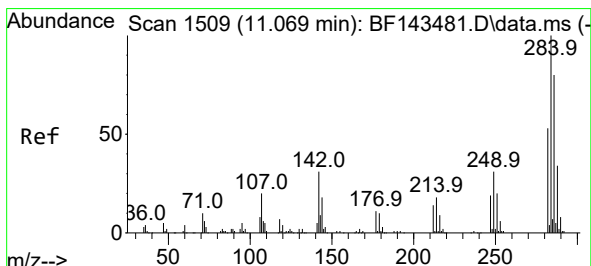
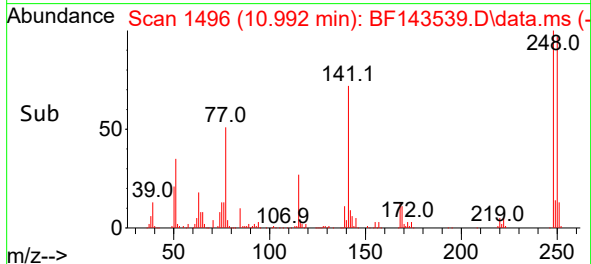
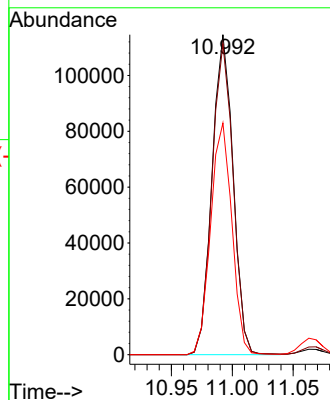
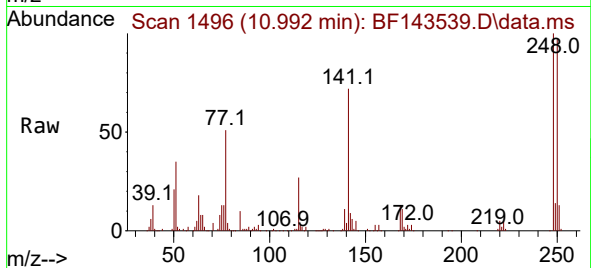




#67
4-Bromophenyl-phenylether
Concen: 43.446 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

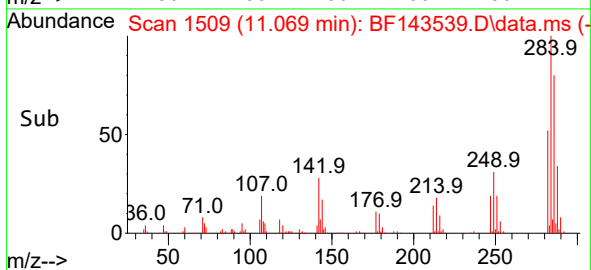
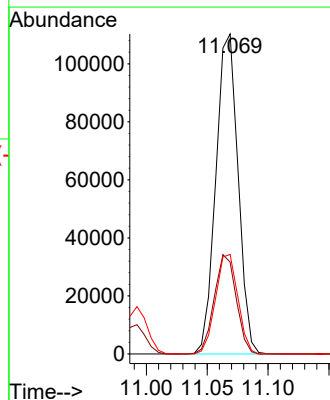
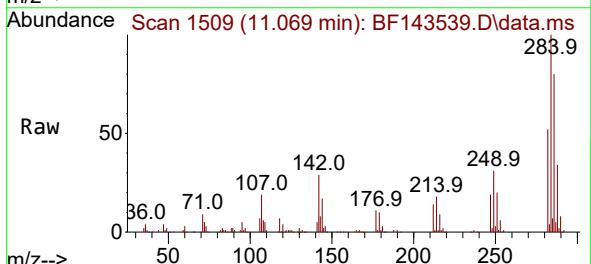
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

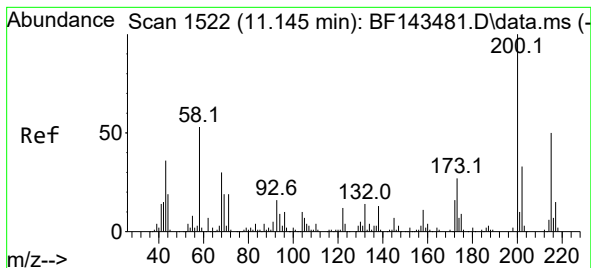
Tgt Ion:248 Resp: 137974
Ion Ratio Lower Upper
248 100
250 97.2 77.8 116.8
141 72.4 54.0 81.0



#68
Hexachlorobenzene
Concen: 40.894 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:284 Resp: 139989
Ion Ratio Lower Upper
284 100
142 28.7 24.4 36.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 51.067 ng

RT: 11.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

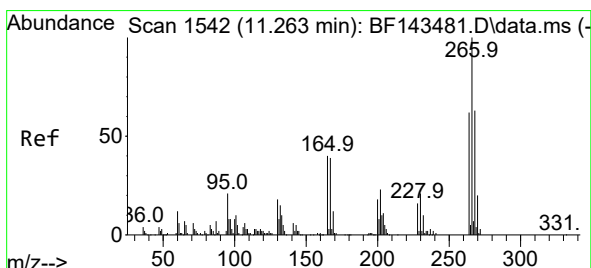
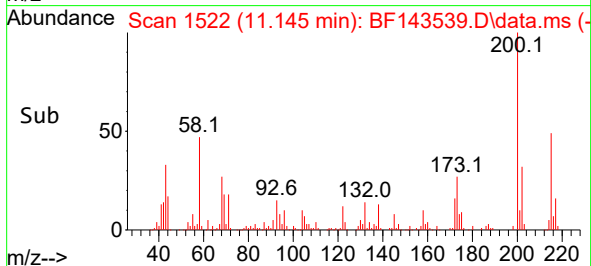
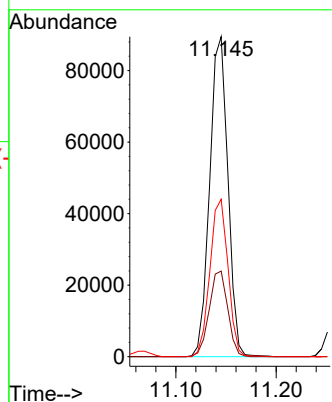
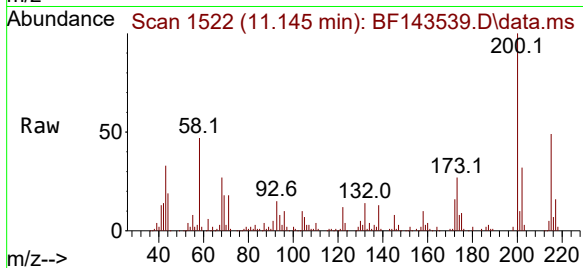
Tgt Ion:200 Resp: 112914

Ion Ratio Lower Upper

200 100

173 26.7 6.9 46.9

215 49.2 30.0 70.0



#70

Pentachlorophenol

Concen: 82.680 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

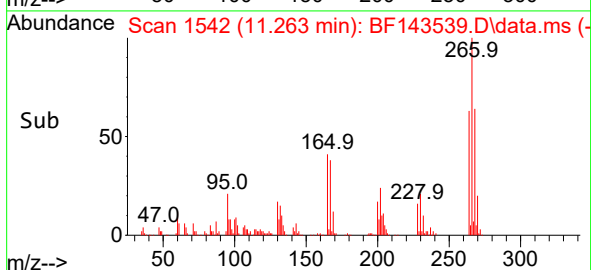
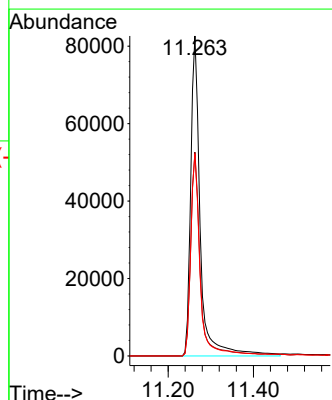
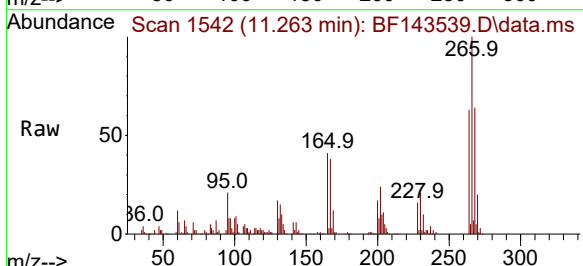
Tgt Ion:266 Resp: 129625

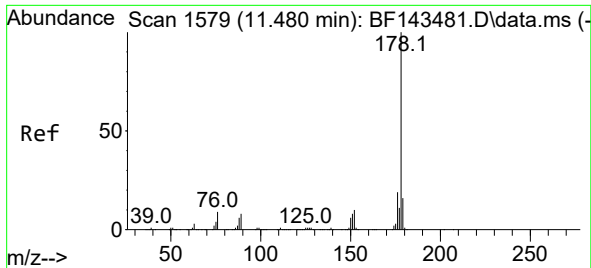
Ion Ratio Lower Upper

266 100

268 63.7 50.5 75.7

264 63.2 49.8 74.8

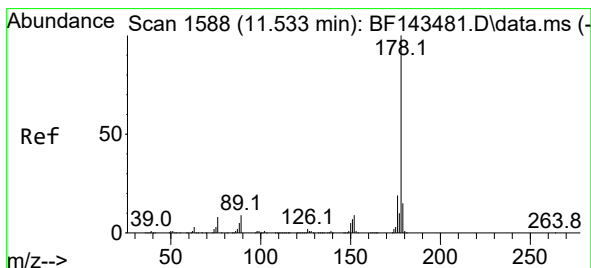
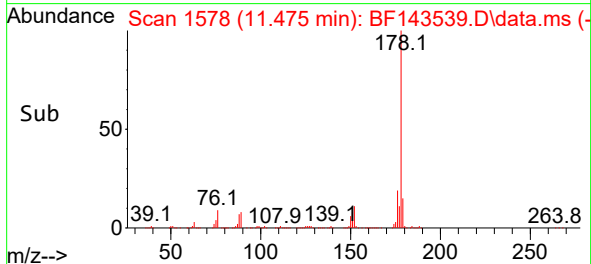
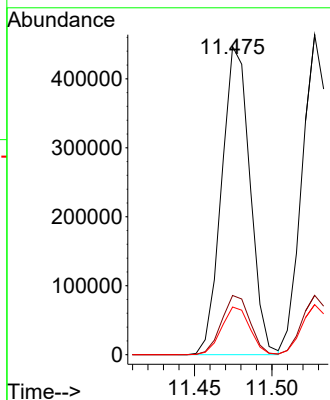
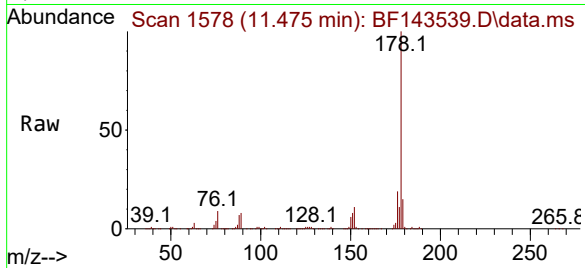




#71
Phenanthrene
Concen: 39.974 ng
RT: 11.475 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

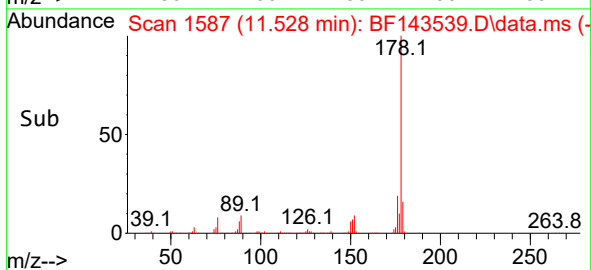
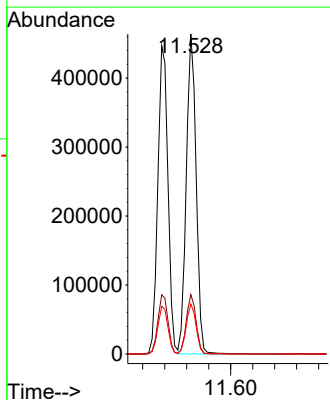
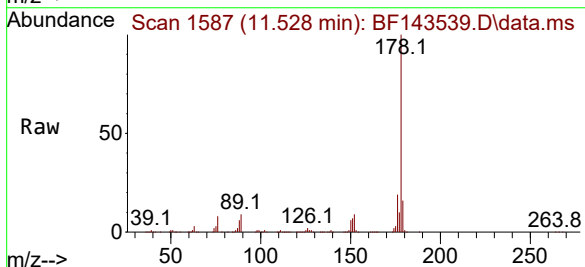
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

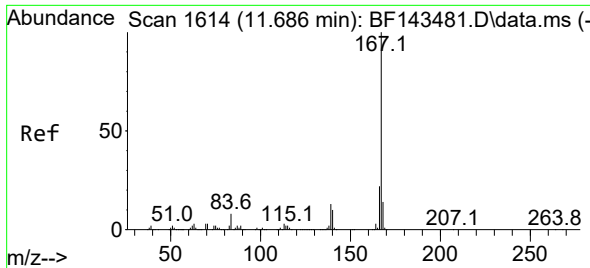
Tgt Ion:178 Resp: 569767
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.5 18.7



#72
Anthracene
Concen: 39.947 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:178 Resp: 576813
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.6 12.3 18.5

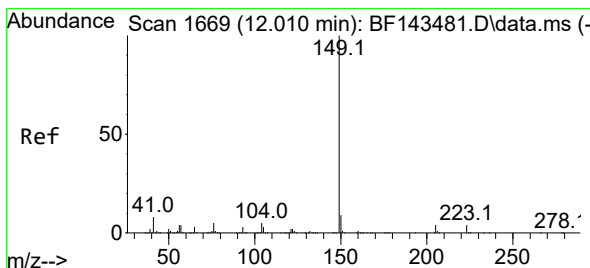
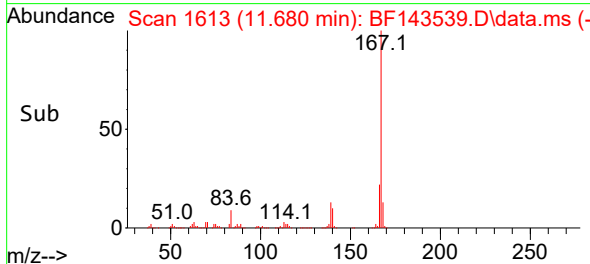
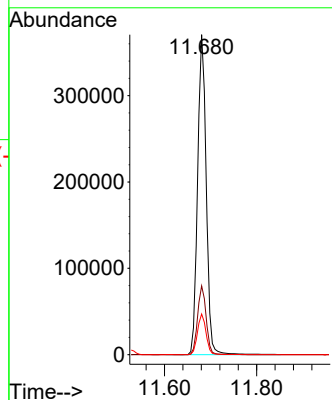
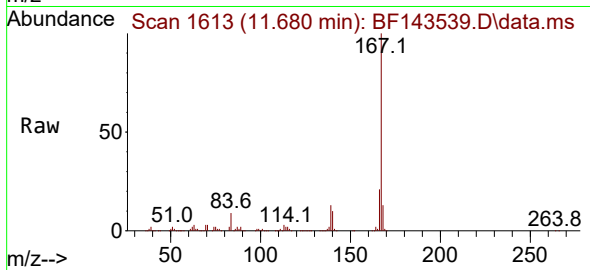




#73
Carbazole
Concen: 40.531 ng
RT: 11.680 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

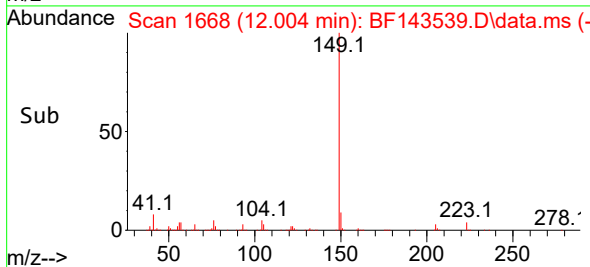
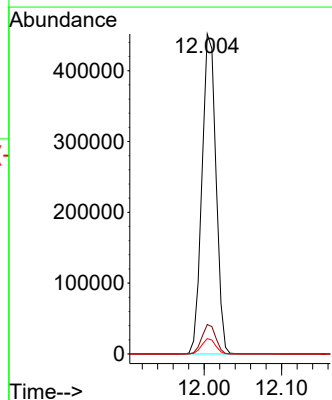
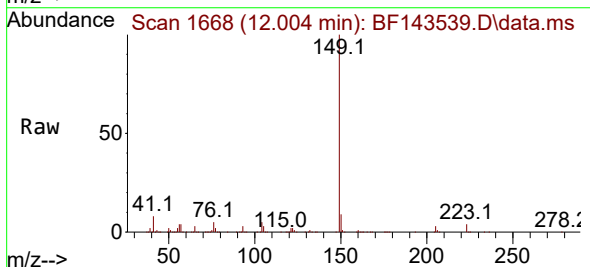
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

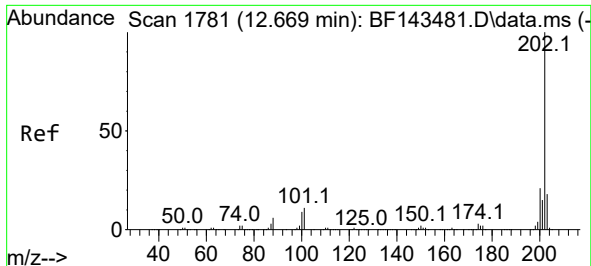
Tgt Ion:167 Resp: 479540
Ion Ratio Lower Upper
167 100
166 21.5 17.3 25.9
139 12.7 10.0 15.0



#74
Di-n-butylphthalate
Concen: 51.539 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

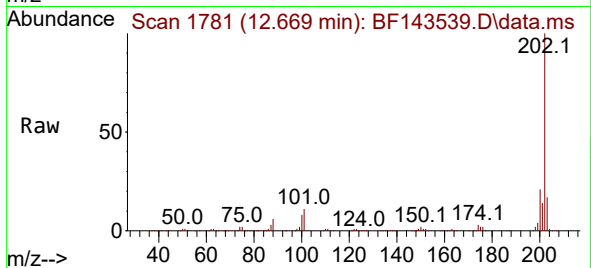
Tgt Ion:149 Resp: 568861
Ion Ratio Lower Upper
149 100
150 9.2 7.2 10.8
104 4.8 3.6 5.4



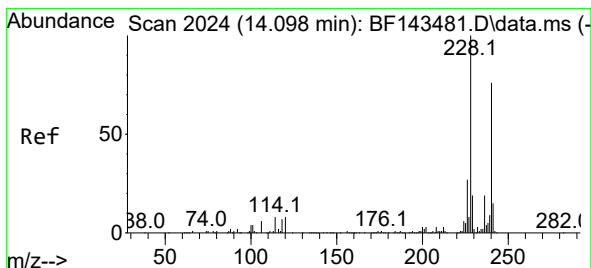
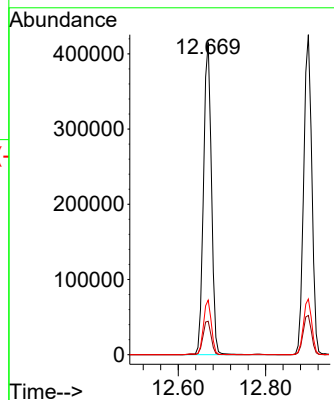


#75
Fluoranthene
Concen: 40.959 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

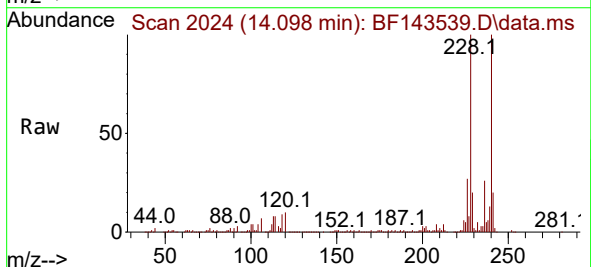
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



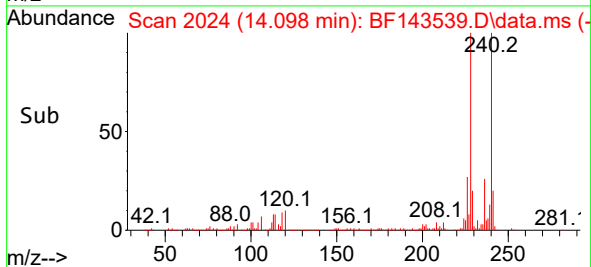
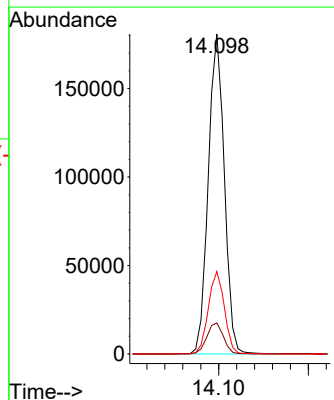
Tgt Ion:202 Resp: 523856
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.3
203 17.5 0.0 37.9

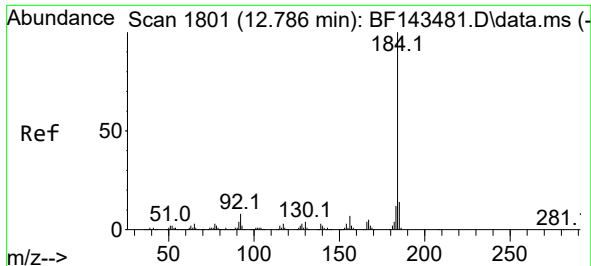


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32



Tgt Ion:240 Resp: 224613
Ion Ratio Lower Upper
240 100
120 9.7 8.6 12.8
236 25.8 20.4 30.6

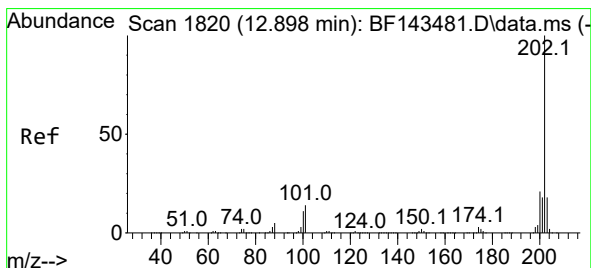
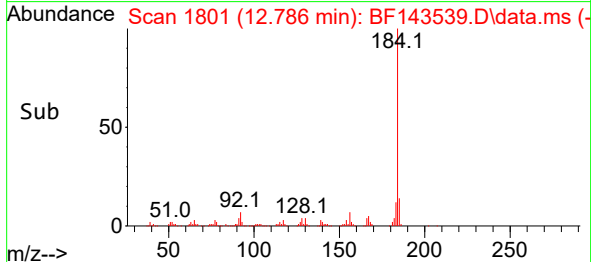
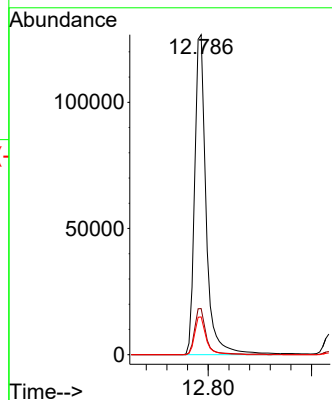
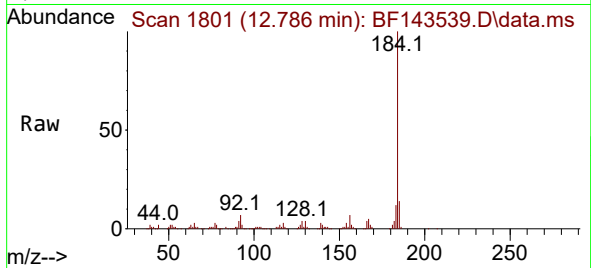




#77
Benzidine
Concen: 35.773 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

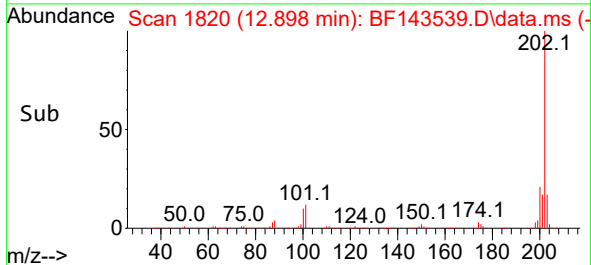
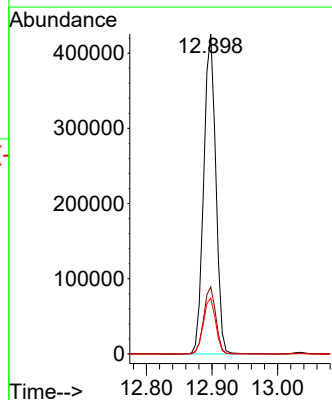
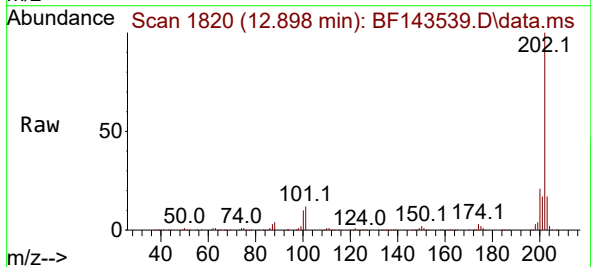
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

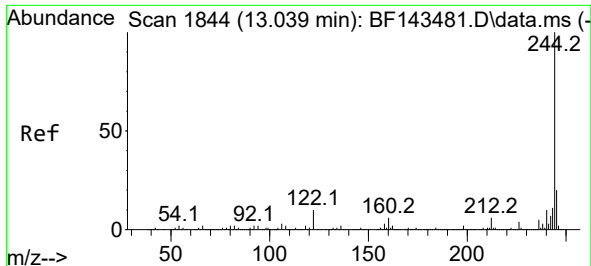
Tgt Ion:184 Resp: 195722
Ion Ratio Lower Upper
184 100
185 14.4 11.3 16.9
183 11.8 9.5 14.3



#78
Pyrene
Concen: 29.545 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:202 Resp: 545878
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.4 14.3 21.5

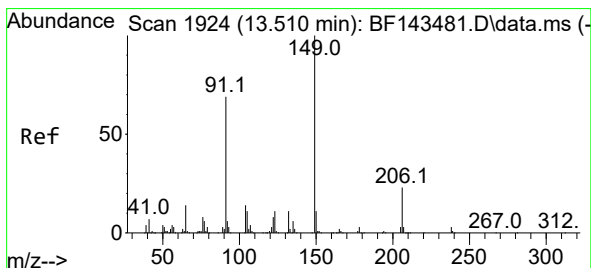
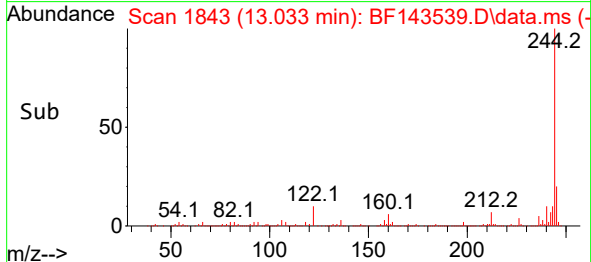
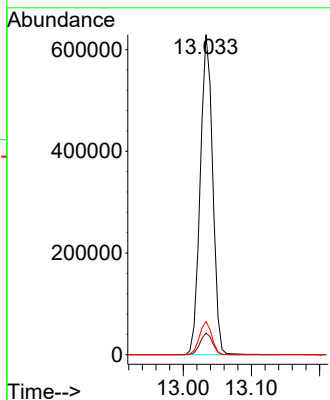
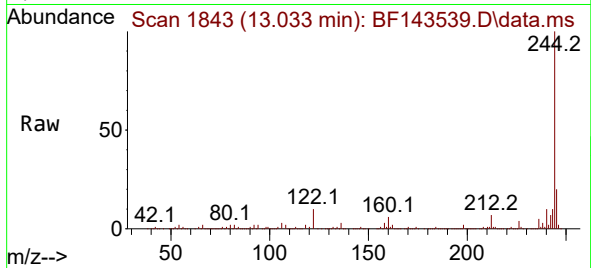




#79
 Terphenyl-d14
 Concen: 62.064 ng
 RT: 13.033 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143539.D
 Acq: 21 Aug 2025 19:32

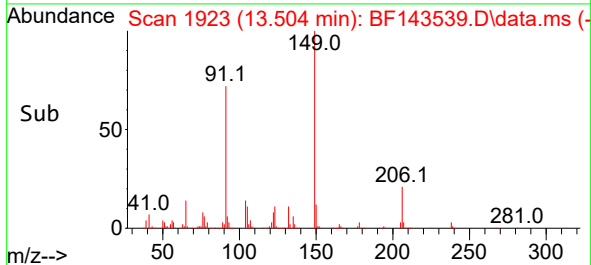
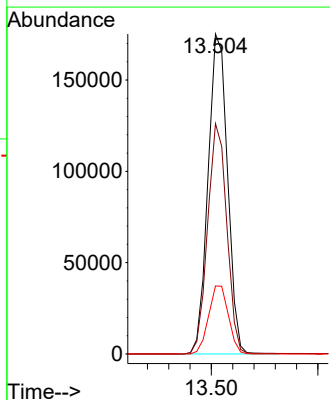
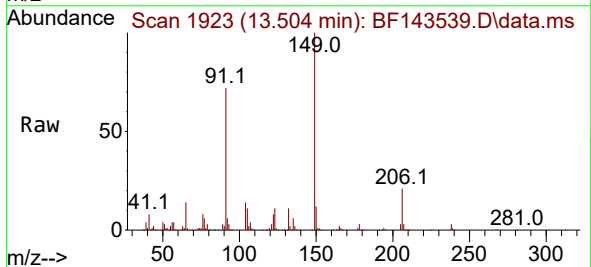
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

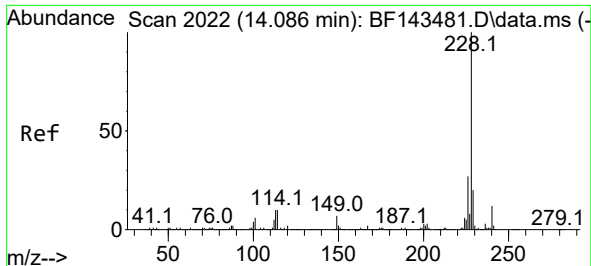
Tgt Ion:244 Resp: 798863
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.2 7.8
 122 10.3 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 44.044 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.006 min
 Lab File: BF143539.D
 Acq: 21 Aug 2025 19:32

Tgt Ion:149 Resp: 222304
 Ion Ratio Lower Upper
 149 100
 91 72.0 55.3 82.9
 206 21.3 18.2 27.4

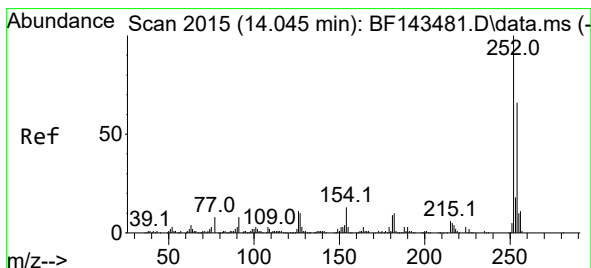
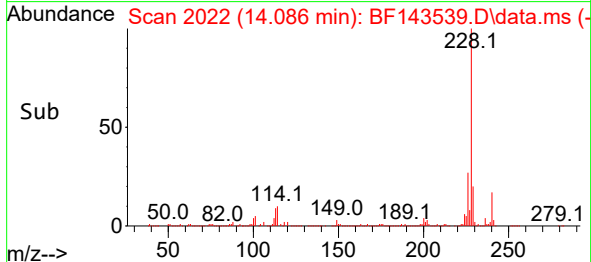
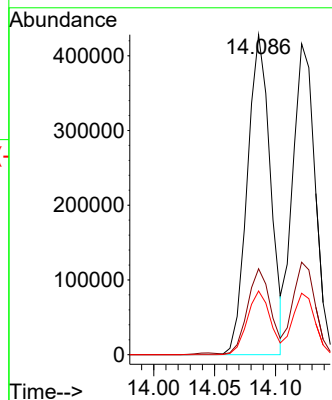
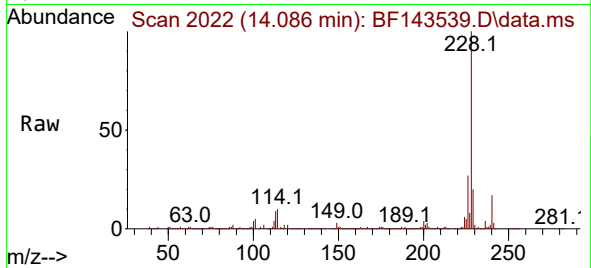




#81
Benzo(a)anthracene
Concen: 39.132 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

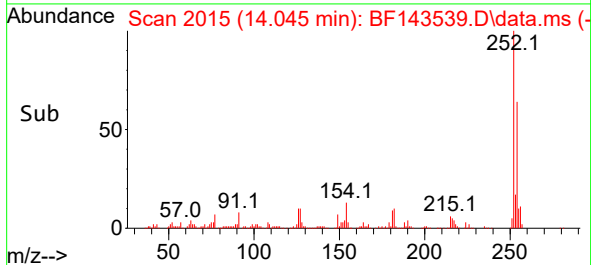
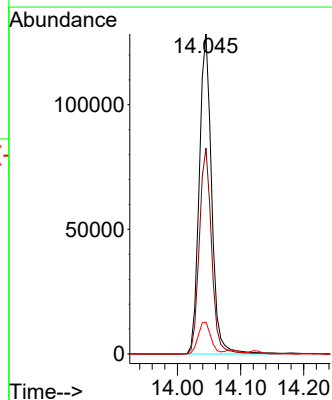
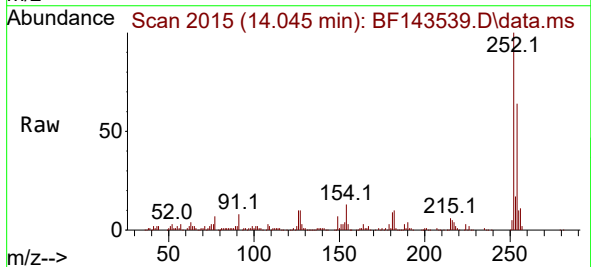
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

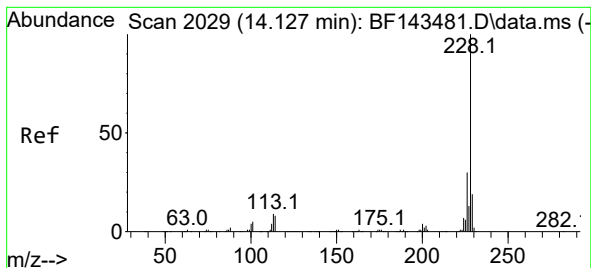
Tgt Ion:228 Resp: 565876
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 19.9 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 42.194 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:252 Resp: 174738
Ion Ratio Lower Upper
252 100
254 64.3 52.6 79.0
126 10.0 8.7 13.1





#83

Chrysene

Concen: 41.167 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

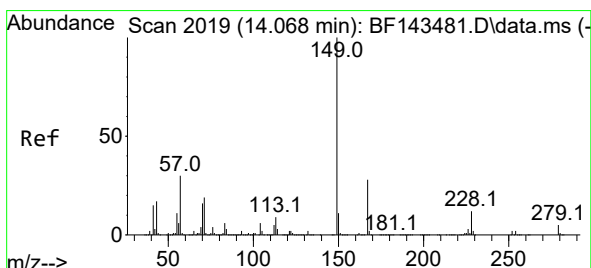
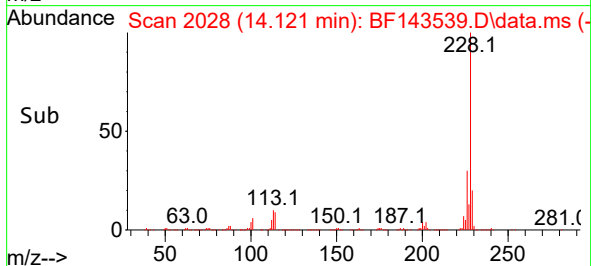
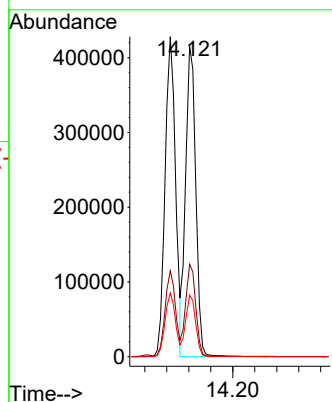
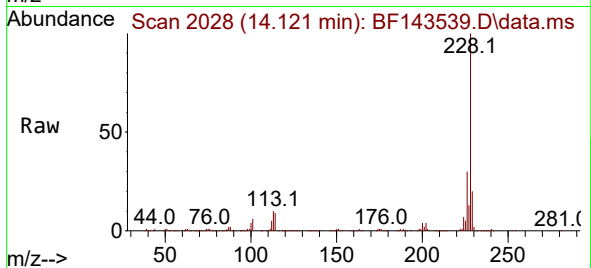
Tgt Ion:228 Resp: 534990

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.053 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

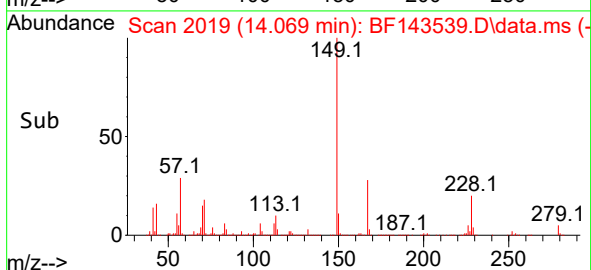
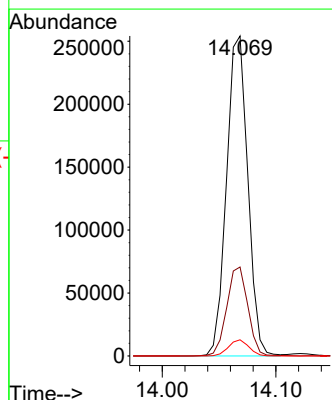
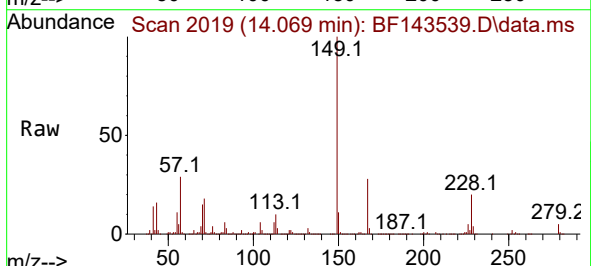
Tgt Ion:149 Resp: 330969

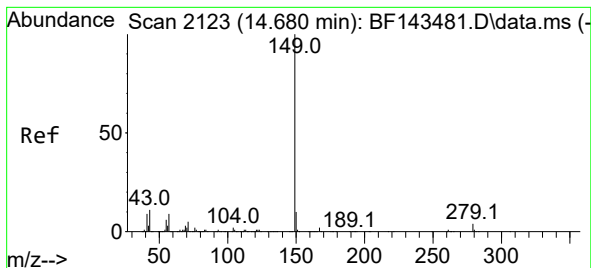
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.2

279 5.0 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 42.167 ng

RT: 14.680 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

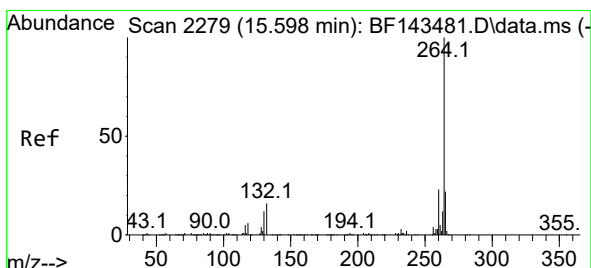
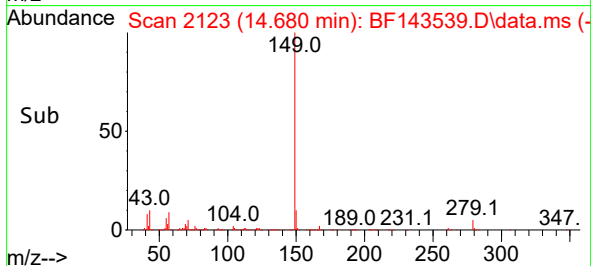
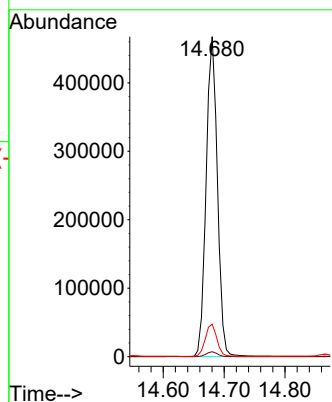
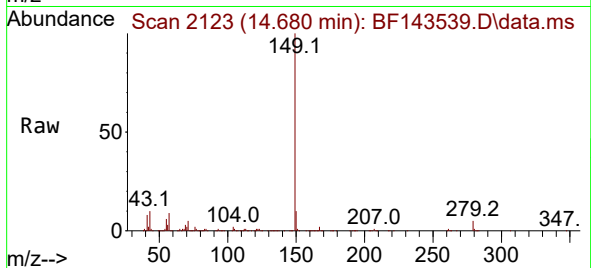
Tgt Ion:149 Resp: 600507

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.3 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

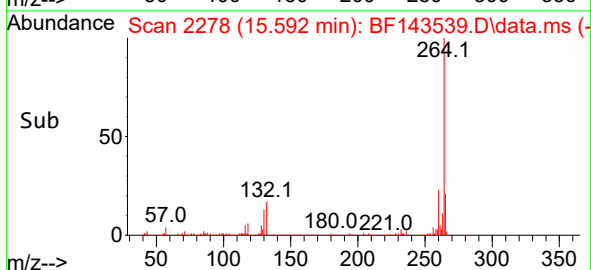
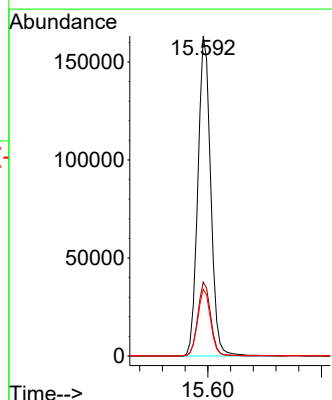
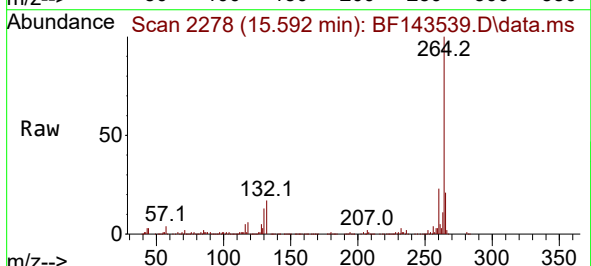
Tgt Ion:264 Resp: 256535

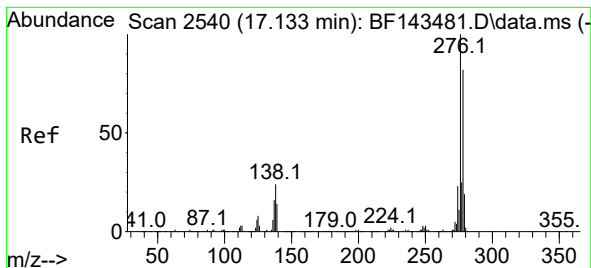
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 20.9 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 28.150 ng

RT: 17.121 min Scan# 2

Delta R.T. -0.018 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

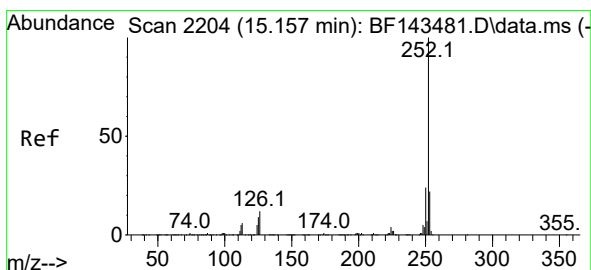
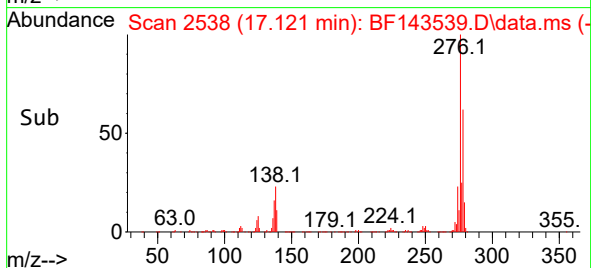
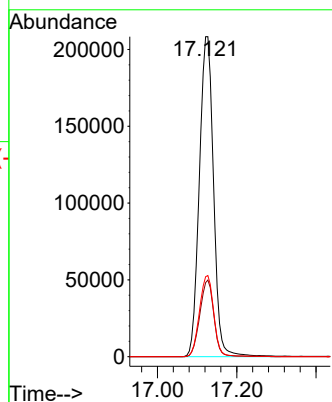
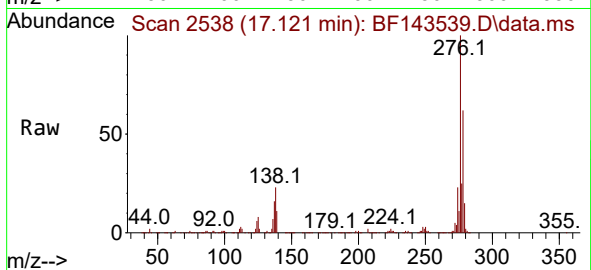
Tgt Ion:276 Resp: 518934

Ion Ratio Lower Upper

276 100

138 23.6 19.2 28.8

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.428 ng

RT: 15.157 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

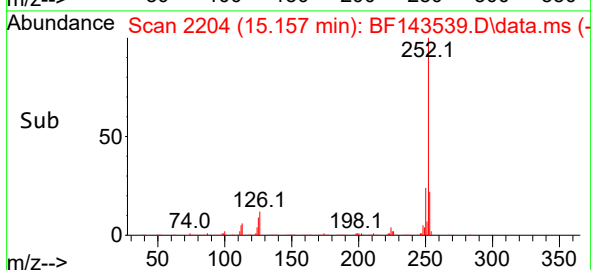
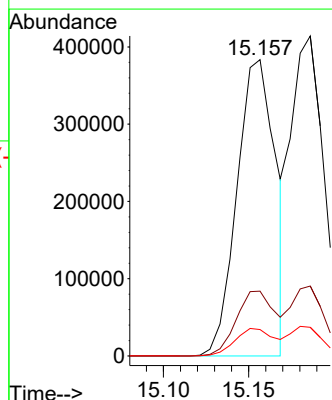
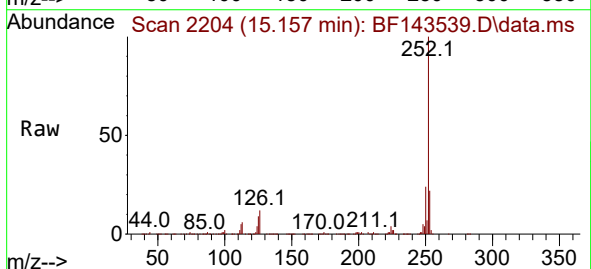
Tgt Ion:252 Resp: 605018

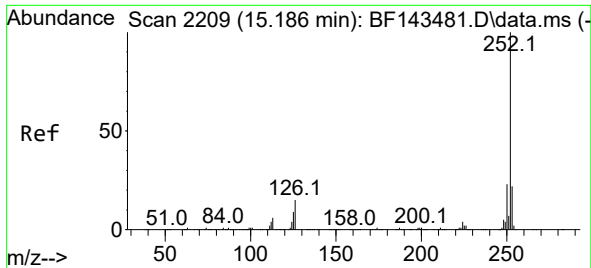
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

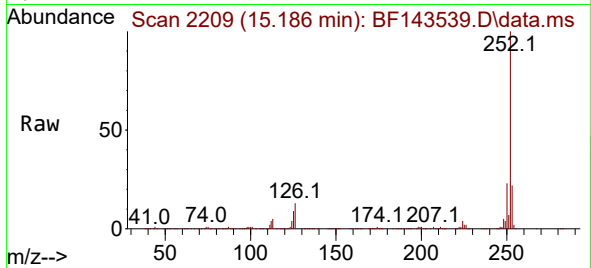
125 8.9 7.4 11.0



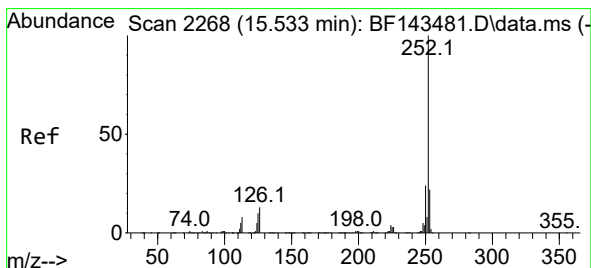
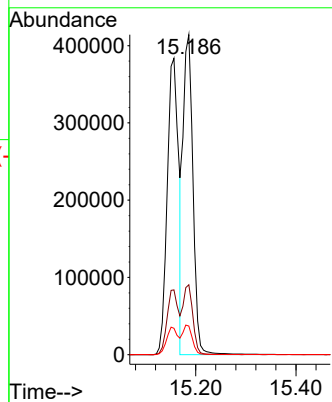
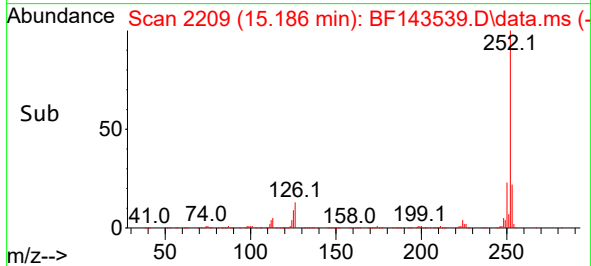


#89
Benzo(k)fluoranthene
Concen: 41.559 ng
RT: 15.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

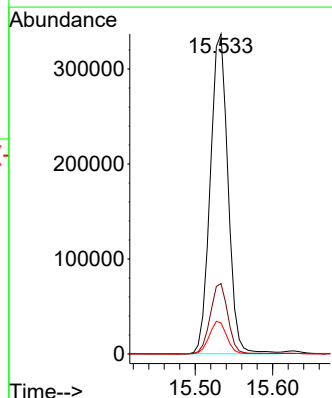
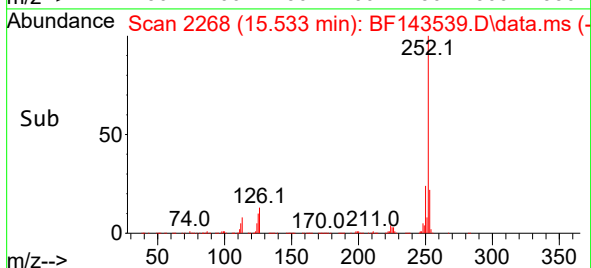
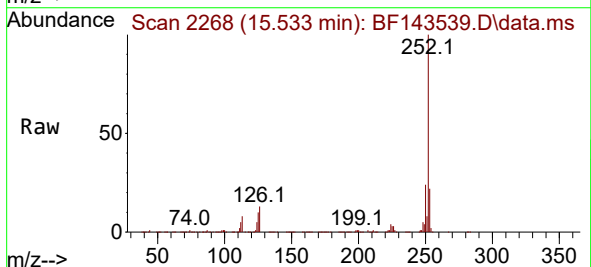


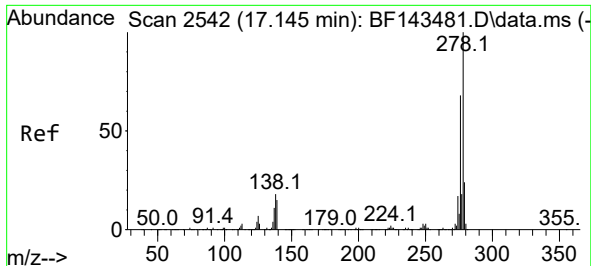
Tgt Ion:252 Resp: 567409
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 8.9 7.4 11.0



#90
Benzo(a)pyrene
Concen: 40.352 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:252 Resp: 534103
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 9.7 8.2 12.2

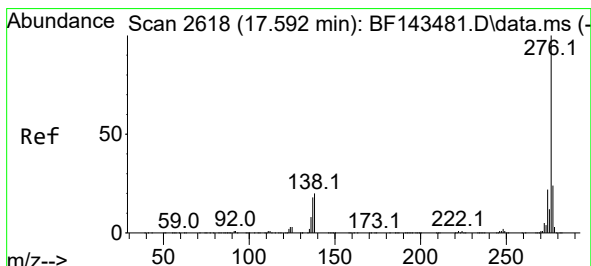
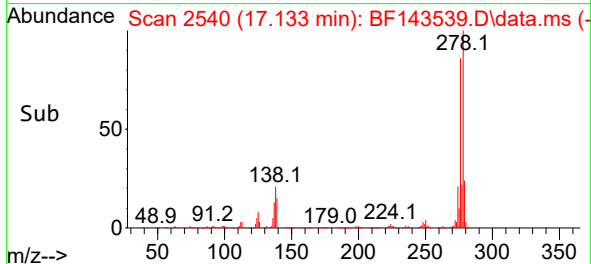
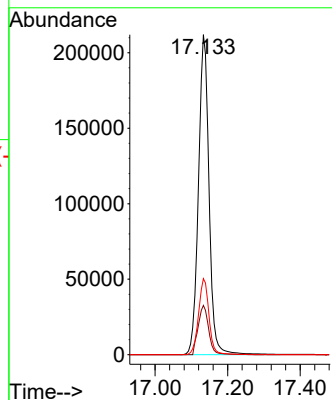
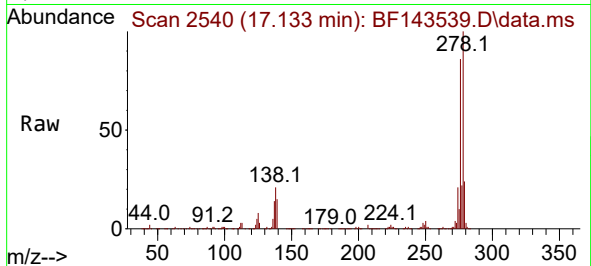




#91
Dibenzo(a,h)anthracene
Concen: 29.070 ng
RT: 17.133 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

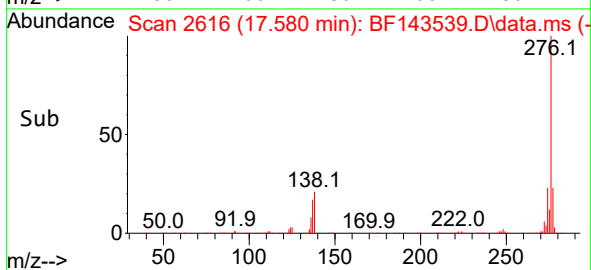
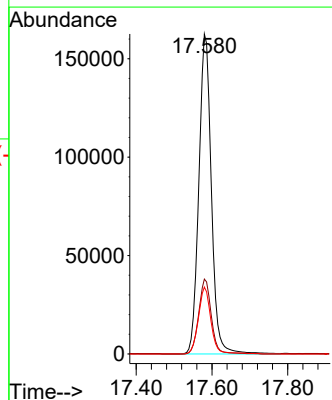
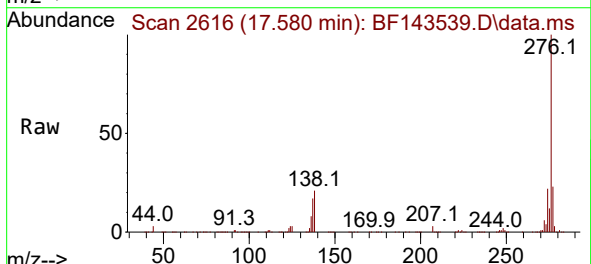
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 429182
Ion Ratio Lower Upper
278 100
139 15.4 12.1 18.1
279 23.8 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 25.578 ng
RT: 17.580 min Scan# 2616
Delta R.T. -0.023 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:276 Resp: 375504
Ion Ratio Lower Upper
276 100
277 23.4 18.9 28.3
138 20.9 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
2	1,4-Dioxane	0.531	0.518	2.4	78	0.00
3	Pyridine	1.413	1.378	2.5	77	0.00
4	n-Nitrosodimethylamine	0.635	0.633	0.3	79	-0.02
5 S	2-Fluorophenol	1.145	1.138	0.6	80	0.00
6	Aniline	1.890	1.816	3.9	77	0.00
7 S	Phenol-d6	1.414	1.375	2.8	78	-0.01
8	2-Chlorophenol	1.265	1.247	1.4	79	0.00
9	Benzaldehyde	1.145	1.334	-16.5	89	0.00
10 C	Phenol	1.629	1.605	1.5	78	-0.01
11	bis(2-Chloroethyl)ether	1.217	1.180	3.0	78	0.00
12	1,3-Dichlorobenzene	1.421	1.381	2.8	78	0.00
13 C	1,4-Dichlorobenzene	1.426	1.405	1.5	80	0.00
14	1,2-Dichlorobenzene	1.350	1.316	2.5	78	0.00
15	Benzyl Alcohol	1.059	1.057	0.2	78	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.836	5.7	75	0.00
17	2-Methylphenol	1.015	0.989	2.6	78	0.00
18	Hexachloroethane	0.485	0.487	-0.4	80	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.843	2.4	80	-0.01
20	3+4-Methylphenols	1.212	1.209	0.2	80	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	77	0.00
22	Acetophenone	0.432	0.430	0.5	79	0.00
23 S	Nitrobenzene-d5	0.343	0.348	-1.5	78	-0.01
24	Nitrobenzene	0.353	0.363	-2.8	79	0.00
25	Isophorone	0.628	0.636	-1.3	79	-0.01
26 C	2-Nitrophenol	0.173	0.179	-3.5	78	0.00
27	2,4-Dimethylphenol	0.269	0.267	0.7	76	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.385	0.3	77	0.00
29 C	2,4-Dichlorophenol	0.288	0.283	1.7	76	0.00
30	1,2,4-Trichlorobenzene	0.296	0.292	1.4	77	0.00
31	Naphthalene	0.960	0.942	1.9	77	0.00
32	Benzoic acid	0.137	0.118	13.9	63	-0.04
33	4-Chloroaniline	0.341	0.329	3.5	74	0.00
34 C	Hexachlorobutadiene	0.193	0.196	-1.6	79	0.00
35	Caprolactam	0.069	0.076	-10.1	82	-0.04
36 C	4-Chloro-3-methylphenol	0.288	0.279	3.1	75	0.00
37	2-Methylnaphthalene	0.641	0.620	3.3	75	0.00
38	1-Methylnaphthalene	0.613	0.583	4.9	75	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.595	-4.0	74	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.203	-10.3	72	0.00
42 S	2,4,6-Tribromophenol	0.186	0.167	10.2	62	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.369	-4.8	71	0.00
44	2,4,5-Trichlorophenol	0.385	0.387	-0.5	71	0.00
45 S	2-Fluorobiphenyl	1.210	1.266	-4.6	77	0.00
46	1,1'-Biphenyl	1.420	1.484	-4.5	74	0.00
47	2-Chloronaphthalene	1.114	1.142	-2.5	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143539.D
 Acq On : 21 Aug 2025 19:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.339	-4.0	70	0.00
49	Acenaphthylene	1.595	1.612	-1.1	71	0.00
50	Dimethylphthalate	1.205	1.333	-10.6	78	0.00
51	2,6-Dinitrotoluene	0.250	0.267	-6.8	72	-0.01
52 C	Acenaphthene	1.083	1.076	0.6	70	0.00
53	3-Nitroaniline	0.270	0.274	-1.5	69	0.00
54 P	2,4-Dinitrophenol	0.115	0.095	17.4	55	0.00
55	Dibenzofuran	1.544	1.507	2.4	69	0.00
56 P	4-Nitrophenol	0.161	0.175	-8.7	71	0.00
57	2,4-Dinitrotoluene	0.333	0.340	-2.1	68	-0.01
58	Fluorene	1.188	1.140	4.0	69	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.270	5.6	64	0.00
60	Diethylphthalate	1.080	1.180	-9.3	76	0.00
61	4-Chlorophenyl-phenylether	0.594	0.588	1.0	70	0.00
62	4-Nitroaniline	0.248	0.244	1.6	67	-0.01
63	Azobenzene	1.120	1.091	2.6	68	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	61	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.091	19.5	47#	-0.01
66 c	n-Nitrosodiphenylamine	0.644	0.713	-10.7	68	0.00
67	4-Bromophenyl-phenylether	0.239	0.259	-8.4	66	0.00
68	Hexachlorobenzene	0.257	0.263	-2.3	62	0.00
69	Atrazine	0.166	0.212	-27.7#	77	0.00
70 C	Pentachlorophenol	0.118	0.244	-106.8#	120	0.00
71	Phenanthrene	1.071	1.070	0.1	63	0.00
72	Anthracene	1.085	1.084	0.1	62	0.00
73	Carbazole	0.889	0.901	-1.3	62	0.00
74	Di-n-butylphthalate	0.829	1.069	-29.0#	77	0.00
75 C	Fluoranthene	0.961	0.984	-2.4	63	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77	Benzydine	0.487	0.436	10.5	76	0.00
78	Pyrene	1.645	1.215	26.1#	67	0.00
79 S	Terphenyl-d14	1.146	0.889	22.4	71	0.00
80	Butylbenzylphthalate	0.449	0.495	-10.2	95	0.00
81	Benzo(a)anthracene	1.288	1.260	2.2	86	0.00
82	3,3'-Dichlorobenzidine	0.369	0.389	-5.4	94	0.00
83	Chrysene	1.157	1.191	-2.9	96	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.737	-7.6	93	0.00
85 c	Di-n-octyl phthalate	1.268	1.337	-5.4	93	0.00
86 I	Perylene-d12	1.000	1.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.011	29.6#	62	-0.02
88	Benzo(b)fluoranthene	1.112	1.179	-6.0	98	0.00
89	Benzo(k)fluoranthene	1.064	1.106	-3.9	91	0.00
90 C	Benzo(a)pyrene	1.032	1.041	-0.9	90	0.00
91	Dibenzo(a,h)anthracene	1.151	0.836	27.4#	64	-0.02
92	Benzo(g,h,i)perylene	1.145	0.732	36.1#	56	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	80	0.00
2	1,4-Dioxane	40.000	39.072	2.3	78	0.00
3	Pyridine	40.000	39.009	2.5	77	0.00
4	n-Nitrosodimethylamine	40.000	39.860	0.4	79	-0.02
5 S	2-Fluorophenol	80.000	79.470	0.7	80	0.00
6	Aniline	40.000	38.435	3.9	77	0.00
7 S	Phenol-d6	80.000	77.784	2.8	78	-0.01
8	2-Chlorophenol	40.000	39.418	1.5	79	0.00
9	Benzaldehyde	40.000	46.616	-16.5	89	0.00
10 C	Phenol	40.000	39.425	1.4	78	-0.01
11	bis(2-Chloroethyl)ether	40.000	38.774	3.1	78	0.00
12	1,3-Dichlorobenzene	40.000	38.875	2.8	78	0.00
13 C	1,4-Dichlorobenzene	40.000	39.416	1.5	80	0.00
14	1,2-Dichlorobenzene	40.000	39.005	2.5	78	0.00
15	Benzyl Alcohol	40.000	39.937	0.2	78	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.707	5.7	75	0.00
17	2-Methylphenol	40.000	38.978	2.6	78	0.00
18	Hexachloroethane	40.000	40.177	-0.4	80	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.035	2.4	80	-0.01
20	3+4-Methylphenols	40.000	39.911	0.2	80	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	77	0.00
22	Acetophenone	40.000	39.831	0.4	79	0.00
23 S	Nitrobenzene-d5	80.000	81.337	-1.7	78	-0.01
24	Nitrobenzene	40.000	41.188	-3.0	79	0.00
25	Isophorone	40.000	40.481	-1.2	79	-0.01
26 C	2-Nitrophenol	40.000	41.538	-3.8	78	0.00
27	2,4-Dimethylphenol	40.000	39.611	1.0	76	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.904	0.2	77	0.00
29 C	2,4-Dichlorophenol	40.000	39.400	1.5	76	0.00
30	1,2,4-Trichlorobenzene	40.000	39.508	1.2	77	0.00
31	Naphthalene	40.000	39.258	1.9	77	0.00
32	Benzoic acid	40.000	32.943	17.6	63	-0.04
33	4-Chloroaniline	40.000	38.570	3.6	74	0.00
34 C	Hexachlorobutadiene	40.000	40.705	-1.8	79	0.00
35	Caprolactam	40.000	43.789	-9.5	82	-0.04
36 C	4-Chloro-3-methylphenol	40.000	38.769	3.1	75	0.00
37	2-Methylnaphthalene	40.000	38.680	3.3	75	0.00
38	1-Methylnaphthalene	40.000	38.013	5.0	75	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.583	-4.0	74	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.008	-0.0	72	0.00
42 S	2,4,6-Tribromophenol	80.000	71.678	10.4	62	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.956	-4.9	71	0.00
44	2,4,5-Trichlorophenol	40.000	40.224	-0.6	71	0.00
45 S	2-Fluorobiphenyl	80.000	83.673	-4.6	77	0.00
46	1,1'-Biphenyl	40.000	41.811	-4.5	74	0.00
47	2-Chloronaphthalene	40.000	41.011	-2.5	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.582	-4.0	70	0.00
49	Acenaphthylene	40.000	40.434	-1.1	71	0.00
50	Dimethylphthalate	40.000	44.261	-10.7	78	0.00
51	2,6-Dinitrotoluene	40.000	42.723	-6.8	72	-0.01
52 C	Acenaphthene	40.000	39.741	0.6	70	0.00
53	3-Nitroaniline	40.000	40.609	-1.5	69	0.00
54 P	2,4-Dinitrophenol	40.000	31.881	20.3	55	0.00
55	Dibenzofuran	40.000	39.052	2.4	69	0.00
56 P	4-Nitrophenol	40.000	43.542	-8.9	71	0.00
57	2,4-Dinitrotoluene	40.000	40.847	-2.1	68	-0.01
58	Fluorene	40.000	38.364	4.1	69	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	37.783	5.5	64	0.00
60	Diethylphthalate	40.000	43.716	-9.3	76	0.00
61	4-Chlorophenyl-phenylether	40.000	39.562	1.1	70	0.00
62	4-Nitroaniline	40.000	39.469	1.3	67	-0.01
63	Azobenzene	40.000	38.969	2.6	68	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	61	0.00
65	4,6-Dinitro-2-methylphenol	40.000	32.117	19.7	47	-0.01
66 c	n-Nitrosodiphenylamine	40.000	44.307	-10.8	68	0.00
67	4-Bromophenyl-phenylether	40.000	43.446	-8.6	66	0.00
68	Hexachlorobenzene	40.000	40.894	-2.2	62	0.00
69	Atrazine	40.000	51.067	-27.7#	77	0.00
70 C	Pentachlorophenol	40.000	82.680	-106.7#	120	0.00
71	Phenanthrene	40.000	39.974	0.1	63	0.00
72	Anthracene	40.000	39.947	0.1	62	0.00
73	Carbazole	40.000	40.531	-1.3	62	0.00
74	Di-n-butylphthalate	40.000	51.539	-28.8#	77	0.00
75 C	Fluoranthene	40.000	40.959	-2.4	63	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	90	0.00
77	Benzydine	40.000	35.773	10.6	76	0.00
78	Pyrene	40.000	29.545	26.1#	67	0.00
79 S	Terphenyl-d14	80.000	62.064	22.4	71	0.00
80	Butylbenzylphthalate	40.000	44.044	-10.1	95	0.00
81	Benzo(a)anthracene	40.000	39.132	2.2	86	0.00
82	3,3'-Dichlorobenzidine	40.000	42.194	-5.5	94	0.00
83	Chrysene	40.000	41.167	-2.9	96	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.053	-7.6	93	0.00
85 c	Di-n-octyl phthalate	40.000	42.167	-5.4	93	0.00
86 I	Perylene-d12	20.000	20.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	28.150	29.6#	62	-0.02
88	Benzo(b)fluoranthene	40.000	42.428	-6.1	98	0.00
89	Benzo(k)fluoranthene	40.000	41.559	-3.9	91	0.00
90 C	Benzo(a)pyrene	40.000	40.352	-0.9	90	0.00
91	Dibenzo(a,h)anthracene	40.000	29.070	27.3#	64	-0.02
92	Benzo(g,h,i)perylene	40.000	25.578	36.1#	56	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/15/2025 10:36</u>
Lab File ID:	<u>BP025422.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.169		-2.9	
Benzaldehyde	1.082	1.423		31.5	
Phenol-d6	1.544	1.519		-1.6	
Phenol	1.620	1.590		-1.9	20.0
bis(2-Chloroethyl)ether	1.263	1.245		-1.4	
2-Chlorophenol	1.359	1.343		-1.2	
2-Methylphenol	1.125	1.118		-0.6	
2,2-oxybis(1-Chloropropane)	1.692	1.704		0.7	
Acetophenone	0.502	0.486		-3.2	
3+4-Methylphenols	1.560	1.543		-1.1	
n-Nitroso-di-n-propylamine	1.023	1.005	0.050	-1.8	
Nitrobenzene-d5	0.395	0.392		-0.8	
Hexachloroethane	0.563	0.557		-1.1	
Nitrobenzene	0.353	0.352		-0.3	
Isophorone	0.700	0.671		-4.1	
2-Nitrophenol	0.181	0.179		-1.1	20.0
2,4-Dimethylphenol	0.312	0.304		-2.6	
bis(2-Chloroethoxy)methane	0.423	0.405		-4.3	
2,4-Dichlorophenol	0.310	0.300		-3.2	20.0
Naphthalene	1.040	0.996		-4.2	
4-Chloroaniline	0.459	0.450		-2.0	
Hexachlorobutadiene	0.211	0.204		-3.3	20.0
Caprolactam	0.114	0.108		-5.3	
4-Chloro-3-methylphenol	0.355	0.345		-2.8	20.0
2-Methylnaphthalene	0.676	0.646		-4.4	
Hexachlorocyclopentadiene	0.349	0.352	0.050	0.9	
2,4,6-Trichlorophenol	0.390	0.383		-1.8	20.0
2-Fluorobiphenyl	1.463	1.380		-5.7	
2,4,5-Trichlorophenol	0.427	0.424		-0.7	
1,1-Biphenyl	1.453	1.404		-3.4	
2-Chloronaphthalene	1.131	1.096		-3.1	
2-Nitroaniline	0.329	0.337		2.4	
Dimethylphthalate	1.465	1.393		-4.9	
Acenaphthylene	1.871	1.799		-3.8	
2,6-Dinitrotoluene	0.309	0.314		1.6	
3-Nitroaniline	0.347	0.348		0.3	
Acenaphthene	1.098	1.035		-5.7	20.0
2,4-Dinitrophenol	0.165	0.164	0.050	-0.6	
4-Nitrophenol	0.285	0.284	0.050	-0.4	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/15/2025 10:36</u>
Lab File ID:	<u>BP025422.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.628		-6.2	
2,4-Dinitrotoluene	0.440	0.446		1.4	
Diethylphthalate	1.488	1.416		-4.8	
4-Chlorophenyl-phenylether	0.681	0.628		-7.8	
Fluorene	1.370	1.272		-7.2	
4-Nitroaniline	0.356	0.351		-1.4	
4,6-Dinitro-2-methylphenol	0.125	0.122		-2.4	
n-Nitrosodiphenylamine	0.610	0.587		-3.8	20.0
2,4,6-Tribromophenol	0.269	0.264		-1.9	
4-Bromophenyl-phenylether	0.220	0.210		-4.5	
Hexachlorobenzene	0.255	0.242		-5.1	
Atrazine	0.228	0.216		-5.3	
Pentachlorophenol	0.161	0.164		1.9	20.0
Phenanthrene	1.099	1.040		-5.4	
Anthracene	1.122	1.069		-4.7	
Carbazole	1.057	0.992		-6.1	
Di-n-butylphthalate	1.300	1.246		-4.2	
Fluoranthene	1.311	1.236		-5.7	20.0
Pyrene	1.300	1.231		-5.3	
Terphenyl-d14	1.093	1.026		-6.1	
Butylbenzylphthalate	0.589	0.555		-5.8	
3,3-Dichlorobenzidine	0.497	0.473		-4.8	
Benzo (a) anthracene	1.319	1.247		-5.5	
Chrysene	1.235	1.170		-5.3	
Bis (2-ethylhexyl) phthalate	0.867	0.803		-7.4	
Di-n-octyl phthalate	1.492	1.381		-7.4	20.0
Benzo (b) fluoranthene	1.179	1.145		-2.9	
Benzo (k) fluoranthene	1.180	1.134		-3.9	
Benzo (a) pyrene	1.148	1.114		-3.0	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.433		-2.3	
Dibenzo (a,h) anthracene	1.199	1.183		-1.3	
Benzo (g,h,i) perylene	1.178	1.156		-1.9	
1,2,4,5-Tetrachlorobenzene	0.578	0.559		-3.3	
1,4-Dioxane	0.472	0.440		-6.8	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.377		0.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025422.D
 Acq On : 15 Aug 2025 10:36
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 15 11:23:48 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 18:14:31 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	163210	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	699113	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	458301	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	913689	20.000	ng	0.00
76) Chrysene-d12	21.648	240	958309	20.000	ng	0.00
86) Perylene-d12	25.012	264	1096861	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	763443	77.682	ng	0.00
7) Phenol-d6	6.966	99	991544	78.694	ng	0.00
23) Nitrobenzene-d5	8.931	82	1096890	79.367	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	483517	78.381	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2530106	75.449	ng	0.00
79) Terphenyl-d14	19.918	244	3932091	75.070	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	143562	37.293	ng	98
3) Pyridine	3.725	79	405696	38.504	ng	96
4) n-Nitrosodimethylamine	3.637	42	179582	41.341	ng	98
6) Aniline	7.119	93	677656	39.917	ng	100
8) 2-Chlorophenol	7.360	128	438538	39.543	ng	98
9) Benzaldehyde	6.937	77	464483	52.616	ng	98
10) Phenol	6.990	94	518982	39.253	ng	97
11) bis(2-Chloroethyl)ether	7.213	93	406260	39.423	ng	98
12) 1,3-Dichlorobenzene	7.678	146	482648	39.468	ng	98
13) 1,4-Dichlorobenzene	7.819	146	483294	38.666	ng	98
14) 1,2-Dichlorobenzene	8.137	146	469905	38.837	ng	97
15) Benzyl Alcohol	8.019	79	402455	40.199	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	556083	40.282	ng	99
17) 2-Methylphenol	8.219	107	365027	39.752	ng	98
18) Hexachloroethane	8.860	117	181724	39.542	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	328037	39.304	ng	98
20) 3+4-Methylphenols	8.543	107	503552	39.561	ng	97
22) Acetophenone	8.595	105	680116	38.792	ng	98
24) Nitrobenzene	8.966	77	491654	39.805	ng	99
25) Isophorone	9.495	82	938896	38.387	ng	99
26) 2-Nitrophenol	9.672	139	250121	39.458	ng	98
27) 2,4-Dimethylphenol	9.737	122	425335	39.018	ng	98
28) bis(2-Chloroethoxy)met...	9.960	93	565633	38.258	ng	98
29) 2,4-Dichlorophenol	10.207	162	419343	38.724	ng	100
30) 1,2,4-Trichlorobenzene	10.419	180	450156	37.921	ng	98
31) Naphthalene	10.607	128	1392577	38.324	ng	100
32) Benzoic acid	9.872	122	303683	37.734	ng	94
33) 4-Chloroaniline	10.707	127	628608	39.164	ng	100
34) Hexachlorobutadiene	10.895	225	285751	38.652	ng	97
35) Caprolactam	11.489	113	150695	37.951	ng	96
36) 4-Chloro-3-methylphenol	11.825	107	482622	38.840	ng	98
37) 2-Methylnaphthalene	12.213	142	903084	38.190	ng	98
38) 1-Methylnaphthalene	12.431	142	941493	37.439	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	512464	38.717	ng	100
41) Hexachlorocyclopentadiene	12.566	237	322360	40.319	ng	98
43) 2,4,6-Trichlorophenol	12.819	196	351101	39.291	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025422.D
 Acq On : 15 Aug 2025 10:36
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 15 11:23:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	388369	39.656	ng	99
46) 1,1'-Biphenyl	13.225	154	1287182	38.672	ng	99
47) 2-Chloronaphthalene	13.266	162	1004850	38.780	ng	100
48) 2-Nitroaniline	13.466	65	308875	40.910	ng	98
49) Acenaphthylene	14.125	152	1648885	38.457	ng	100
50) Dimethylphthalate	13.854	163	1276659	38.040	ng	99
51) 2,6-Dinitrotoluene	13.966	165	287385	40.628	ng	98
52) Acenaphthene	14.472	154	949003m	37.707	ng	
53) 3-Nitroaniline	14.295	138	318681	40.043	ng	95
54) 2,4-Dinitrophenol	14.507	184	150322	39.794	ng	96
55) Dibenzofuran	14.813	168	1491927	37.495	ng	100
56) 4-Nitrophenol	14.607	139	260098	39.771	ng	93
57) 2,4-Dinitrotoluene	14.766	165	408919	40.518	ng	95
58) Fluorene	15.472	166	1165482	37.121	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.036	232	345273	39.927	ng	99
60) Diethylphthalate	15.236	149	1297841	38.058	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	575339	36.845	ng	95
62) 4-Nitroaniline	15.483	138	321438	39.397	ng	96
63) Azobenzene	15.760	77	1147009	39.282	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	223566	39.253	ng	96
66) n-Nitrosodiphenylamine	15.672	169	1073233	38.519	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	383814	38.195	ng	97
68) Hexachlorobenzene	16.495	284	442250	37.966	ng	98
69) Atrazine	16.654	200	395168	37.872	ng	98
70) Pentachlorophenol	16.842	266	299142	40.681	ng	96
71) Phenanthrene	17.248	178	1900372	37.862	ng	100
72) Anthracene	17.336	178	1953735	38.117	ng	99
73) Carbazole	17.613	167	1812820	37.549	ng	98
74) Di-n-butylphthalate	18.207	149	2277638	38.345	ng	100
75) Fluoranthene	19.324	202	2258336	37.721	ng	99
77) Benzidine	19.513	184	1861268	56.911	ng	99
78) Pyrene	19.701	202	2359709	37.884	ng	99
80) Butylbenzylphthalate	20.654	149	1064206	37.699	ng	96
81) Benzo(a)anthracene	21.630	228	2390024	37.816	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	906596	38.057	ng	99
83) Chrysene	21.695	228	2241792	37.876	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1539693	37.052	ng	100
85) Di-n-octyl phthalate	22.859	149	2645927	37.018	ng	99
87) Indeno(1,2,3-cd)pyrene	28.865	276	3143696	39.082	ng	98
88) Benzo(b)fluoranthene	23.942	252	2512340	38.843	ng	99
89) Benzo(k)fluoranthene	24.012	252	2488345	38.446	ng	99
90) Benzo(a)pyrene	24.853	252	2443181	38.805	ng	99
91) Dibenzo(a,h)anthracene	28.930	278	2595384	39.482	ng	98
92) Benzo(g,h,i)perylene	30.012	276	2536518	39.255	ng	100

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

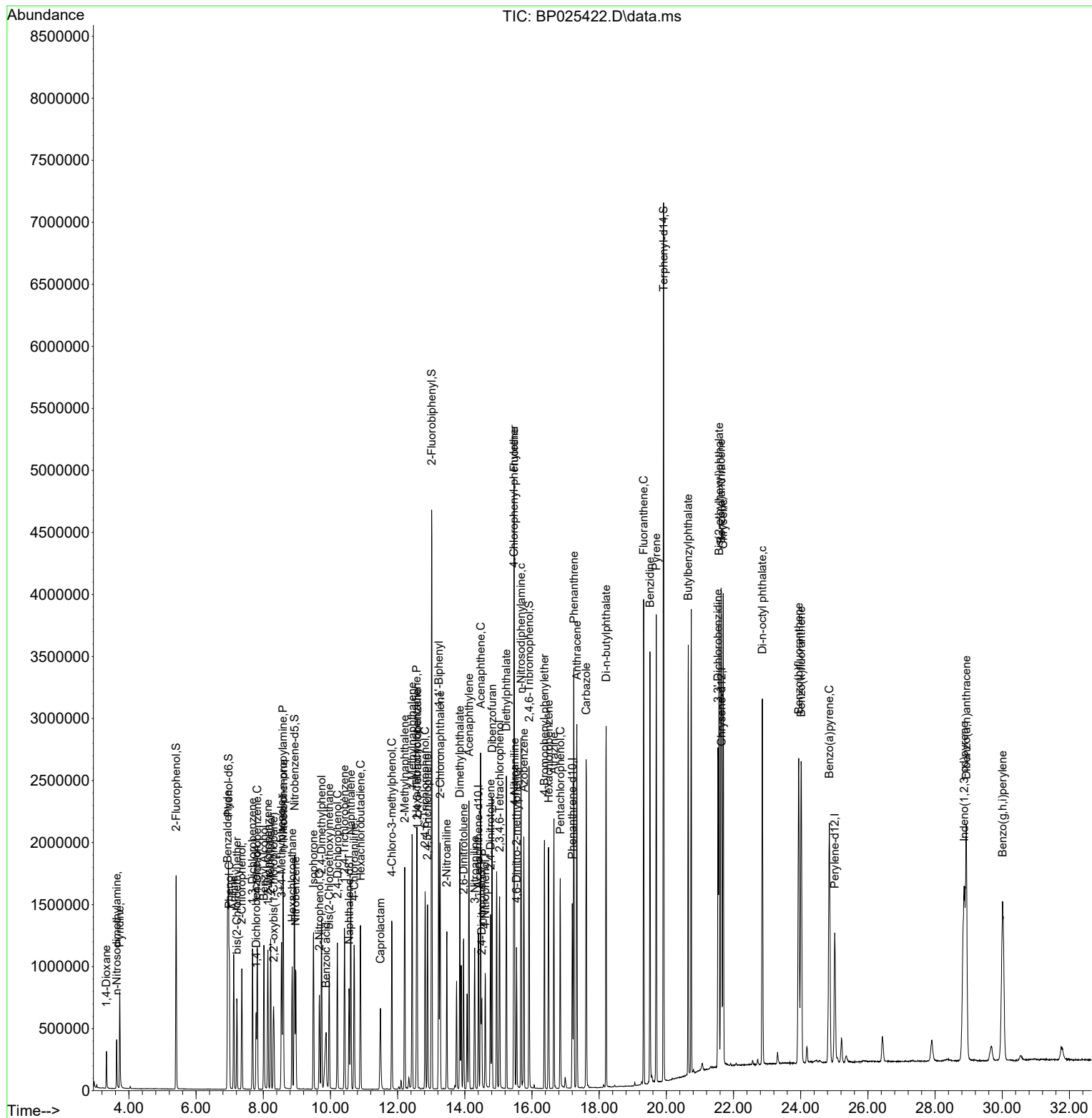
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

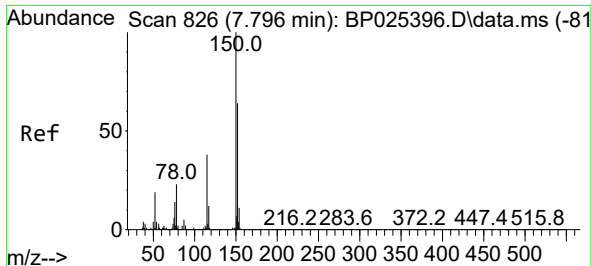
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jaagrut Upadhyay 08/18/2025

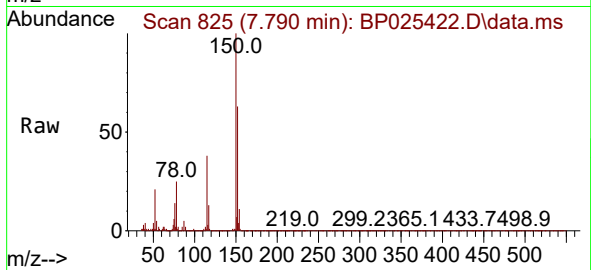
Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

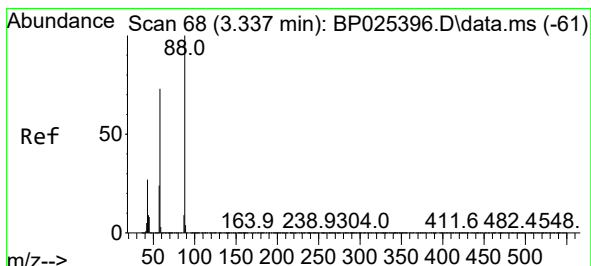
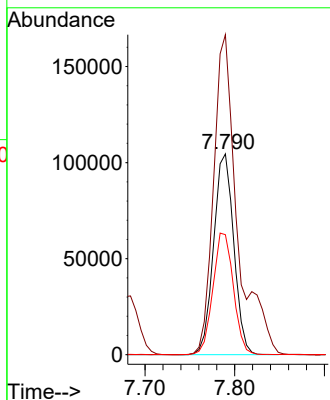
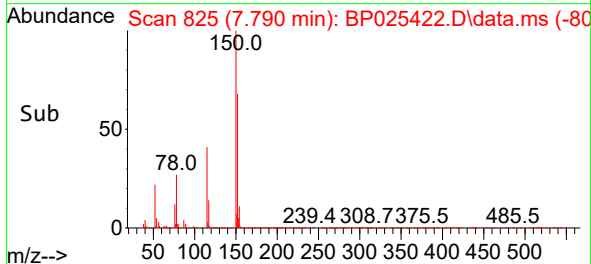
Instrument :
BNA_P
ClientSampleId :
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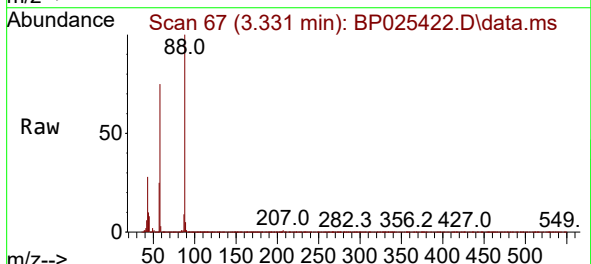
Tgt Ion:152 Resp: 163210
Ion Ratio Lower Upper
152 100
150 159.4 125.9 188.9
115 59.8 48.5 72.7

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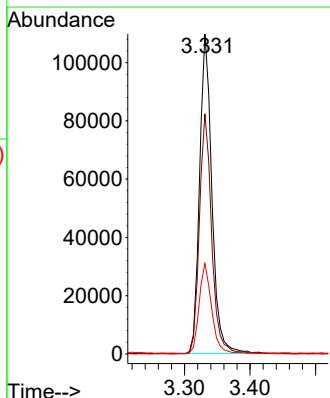
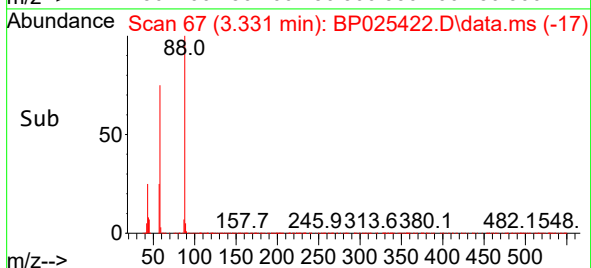
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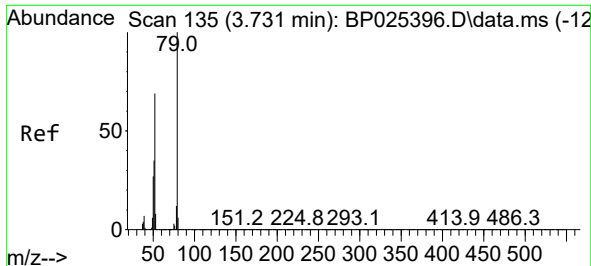


#2
1,4-Dioxane
Concen: 37.293 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



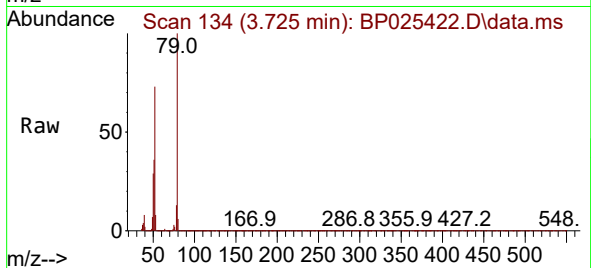
Tgt Ion: 88 Resp: 143562
Ion Ratio Lower Upper
88 100
58 75.3 59.2 88.8
43 28.6 21.7 32.5





#3
Pyridine
Concen: 38.504 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

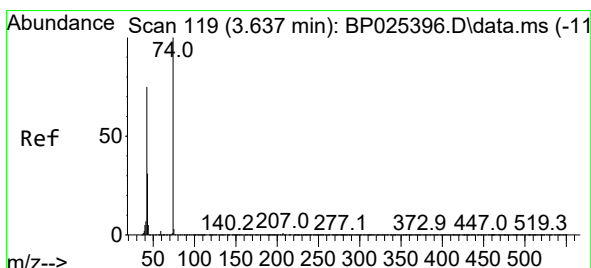
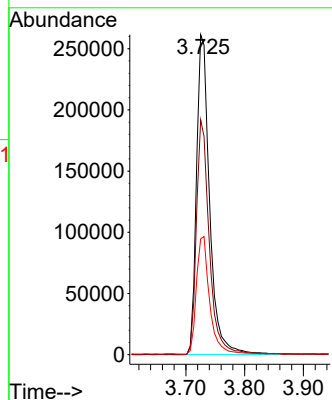
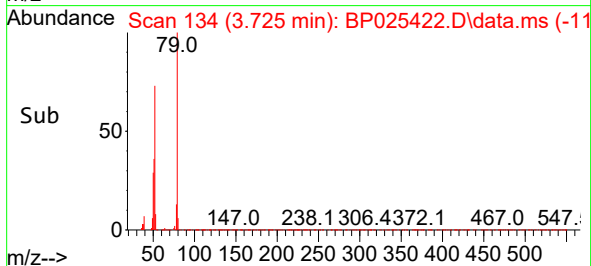
Instrument :
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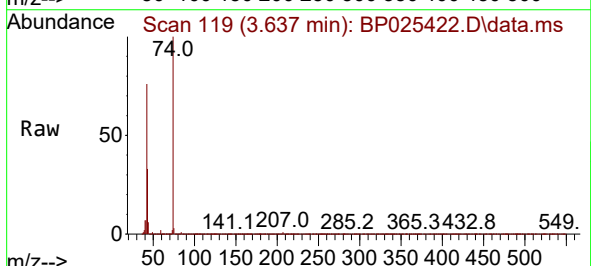
Tgt Ion: 79 Resp: 405690
Ion Ratio Lower Upper
79 100
52 73.4 55.5 83.3
51 36.2 28.3 42.5

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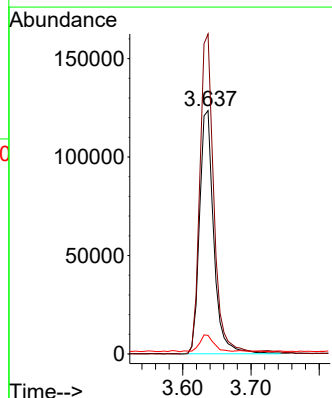
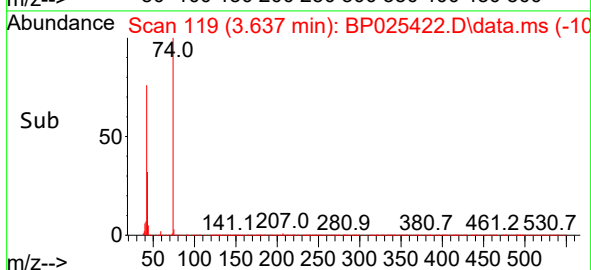
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

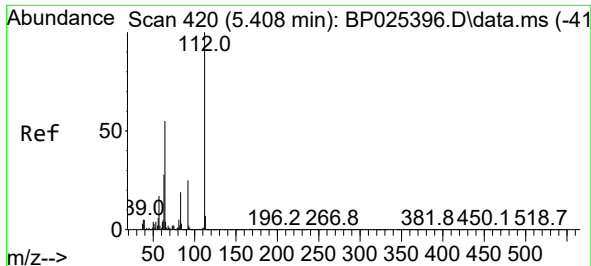


#4
n-Nitrosodimethylamine
Concen: 41.341 ng
RT: 3.637 min Scan# 119
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



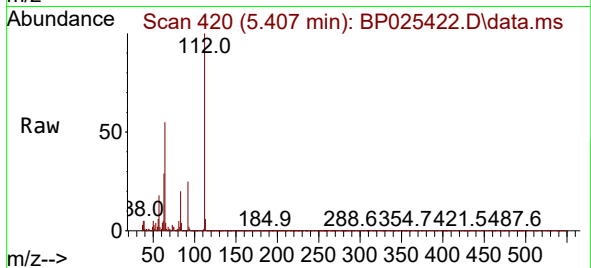
Tgt Ion: 42 Resp: 179582
Ion Ratio Lower Upper
42 100
74 131.5 107.0 160.4
44 7.6 6.2 9.4





#5
2-Fluorophenol
Concen: 77.682 ng
RT: 5.407 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

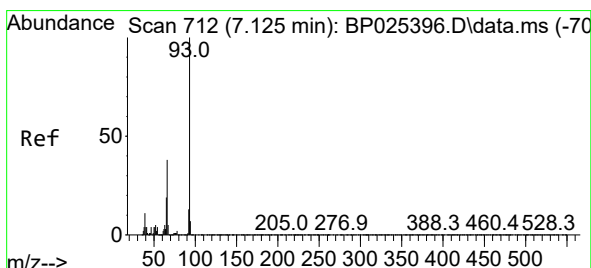
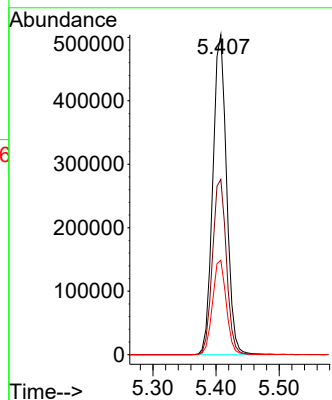
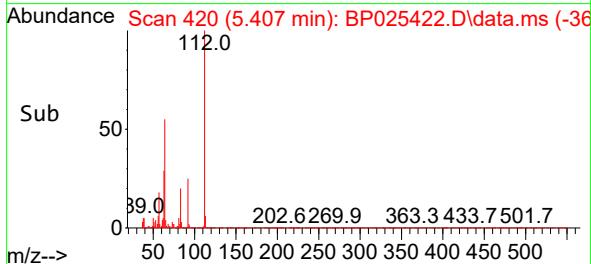
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



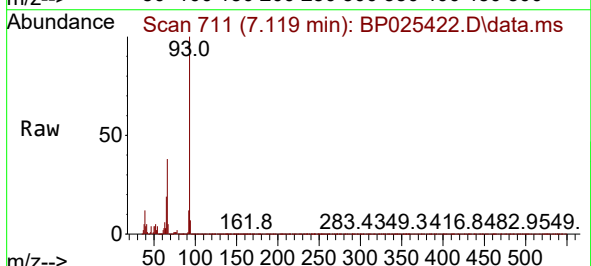
Tgt Ion: 112 Resp: 76344
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 29.5 22.7 34.1

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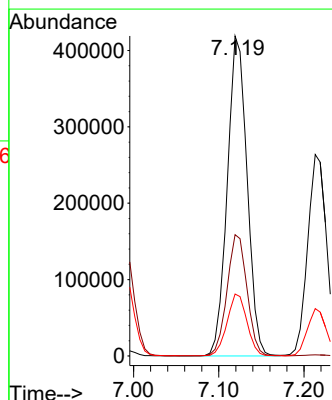
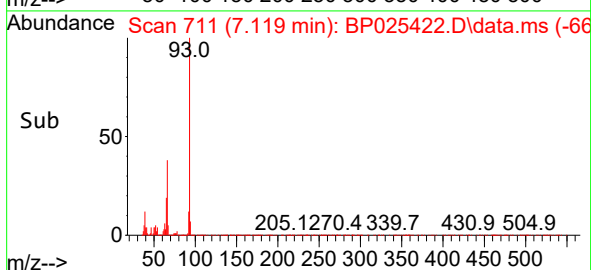
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

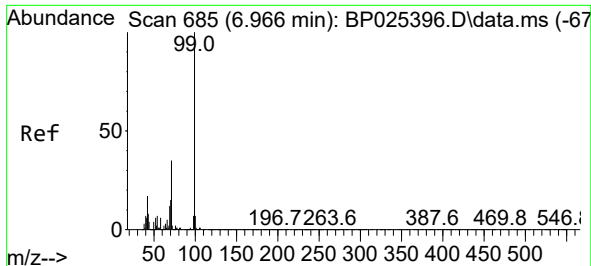


#6
Aniline
Concen: 39.917 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



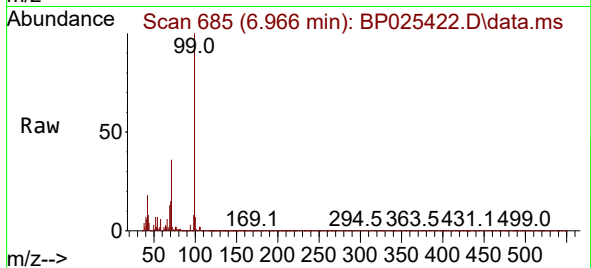
Tgt Ion: 93 Resp: 677656
Ion Ratio Lower Upper
93 100
66 37.9 30.4 45.6
65 19.4 15.3 22.9





#7
Phenol-d6
Concen: 78.694 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

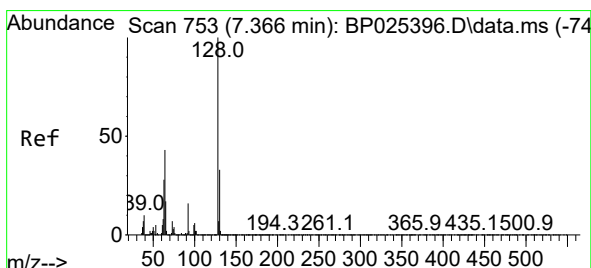
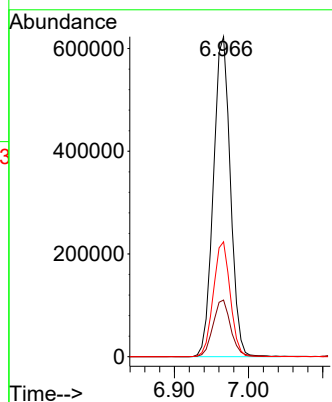
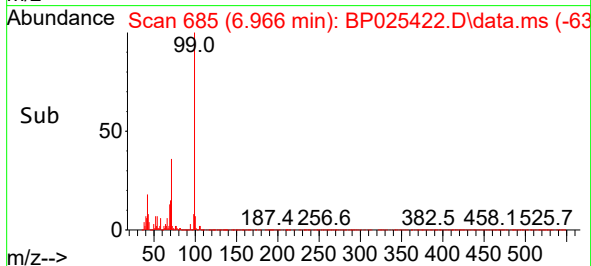
Instrument :
BNA_P
ClientSampleId :
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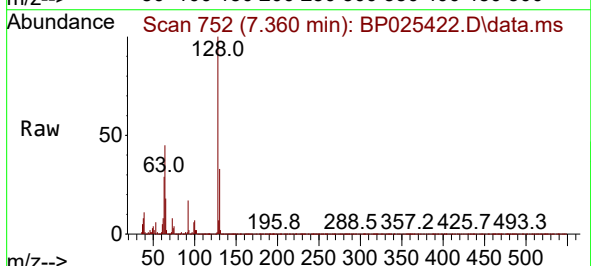
Tgt Ion: 99 Resp: 991544
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 35.9 28.2 42.4

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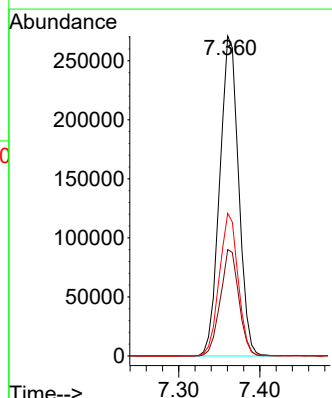
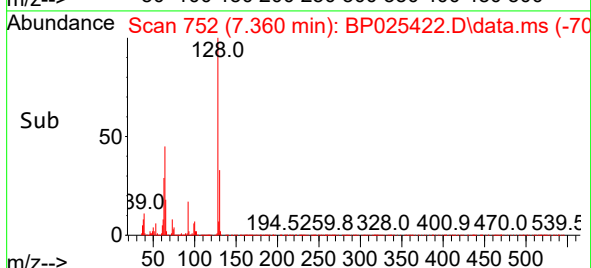
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

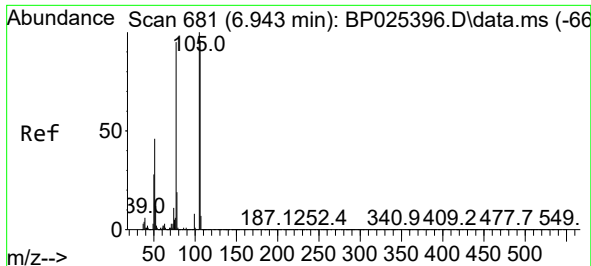


#8
2-Chlorophenol
Concen: 39.543 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:128 Resp: 438538
Ion Ratio Lower Upper
128 100
130 33.3 12.6 52.6
64 44.6 23.4 63.4





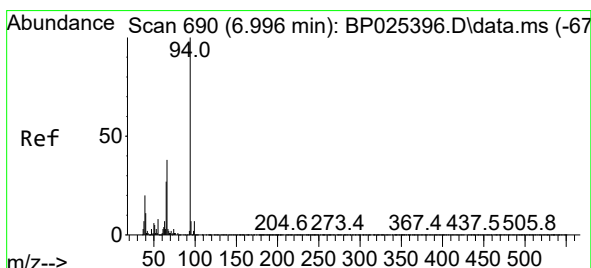
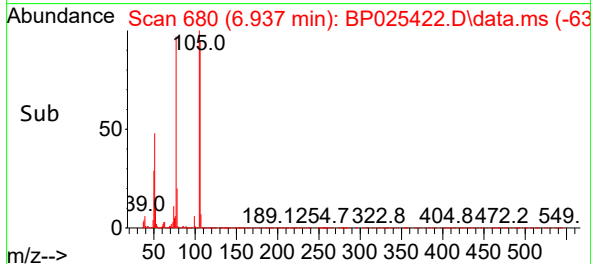
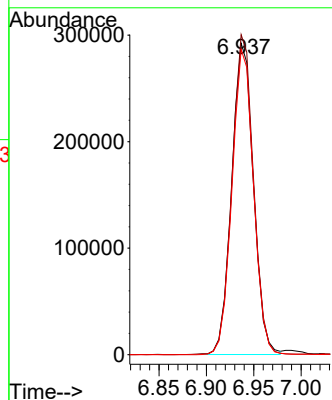
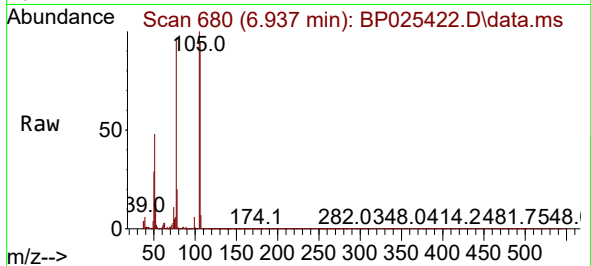
#9
Benzaldehyde
Concen: 52.616 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 77 Resp: 46448
Ion Ratio Lower Upper
77 100
105 102.8 84.8 124.8
106 98.0 80.5 120.5

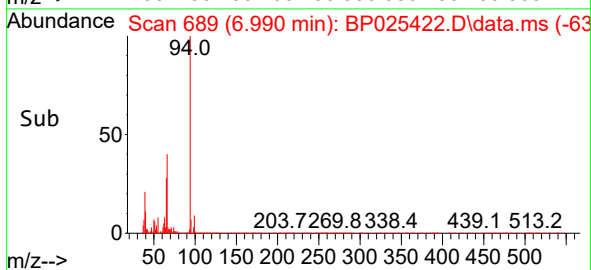
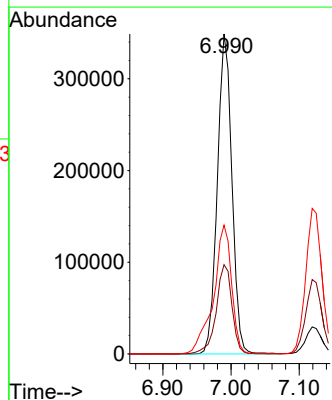
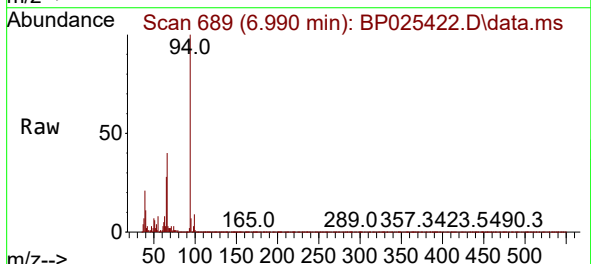
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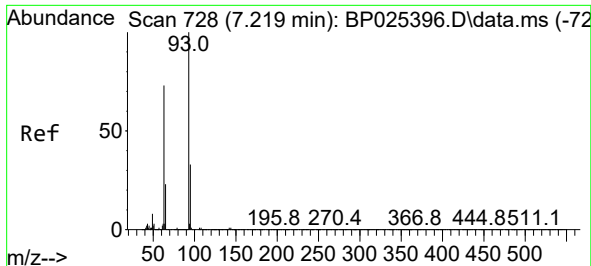
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#10
Phenol
Concen: 39.253 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 94 Resp: 518982
Ion Ratio Lower Upper
94 100
65 27.9 6.8 46.8
66 40.2 18.2 58.2





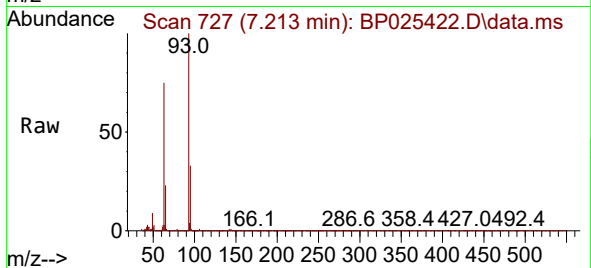
#11
bis(2-Chloroethyl)ether
Concen: 39.423 ng
RT: 7.213 min Scan# 701
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

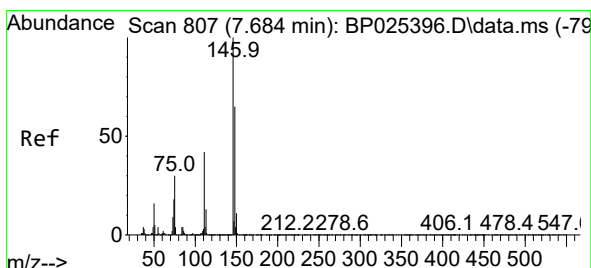
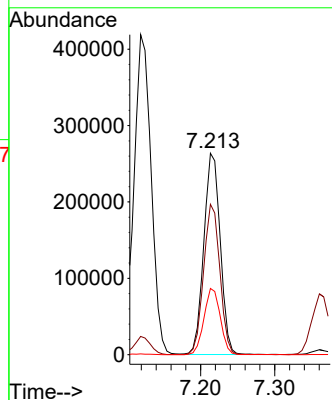
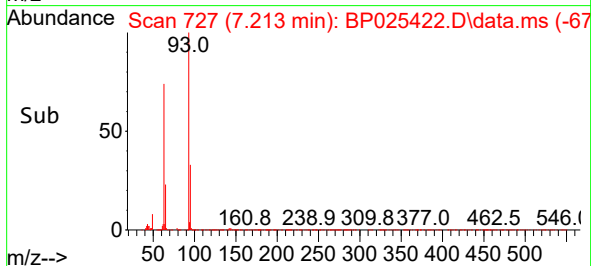


Tgt Ion: 93 Resp: 406260
Ion Ratio Lower Upper
93 100
63 74.7 52.6 92.6
95 32.9 12.7 52.7

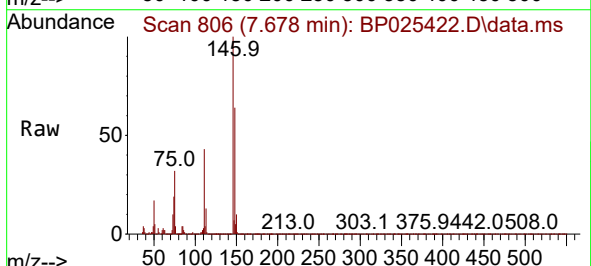
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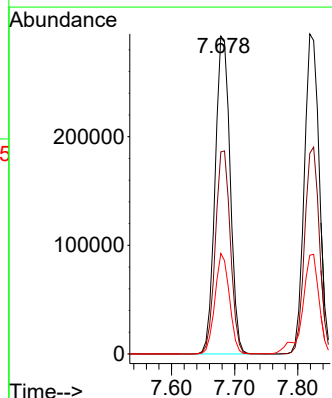
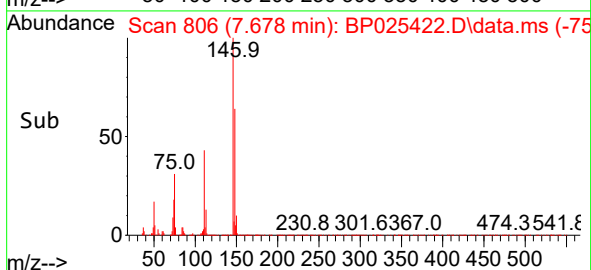
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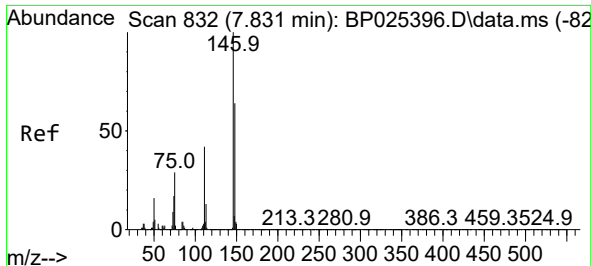


#12
1,3-Dichlorobenzene
Concen: 39.468 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:146 Resp: 482648
Ion Ratio Lower Upper
146 100
148 63.6 51.9 77.9
75 31.6 23.7 35.5





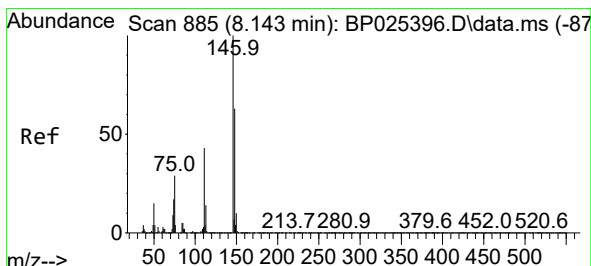
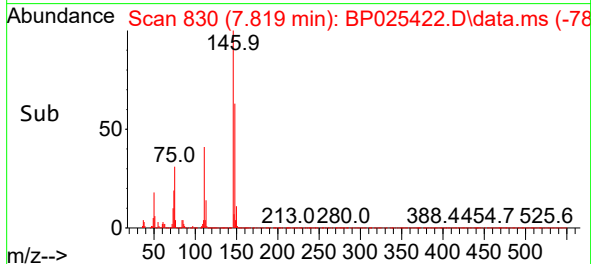
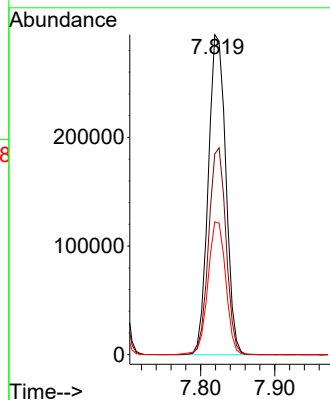
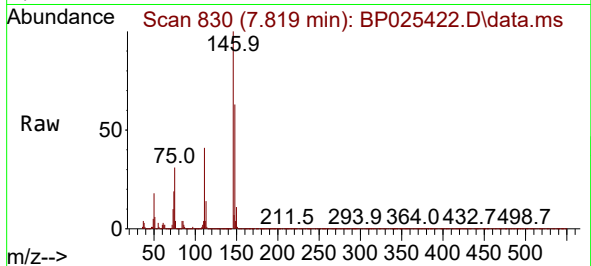
#13
1,4-Dichlorobenzene
Concen: 38.666 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:146 Resp: 483294
Ion Ratio Lower Upper
146 100
148 62.7 51.6 77.4
111 41.5 33.4 50.0

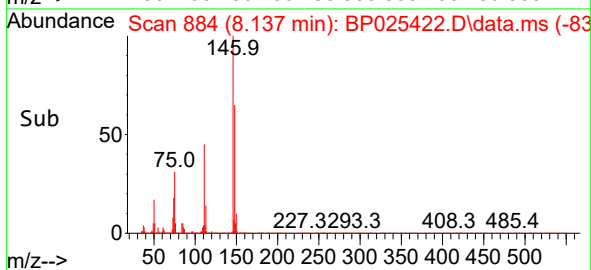
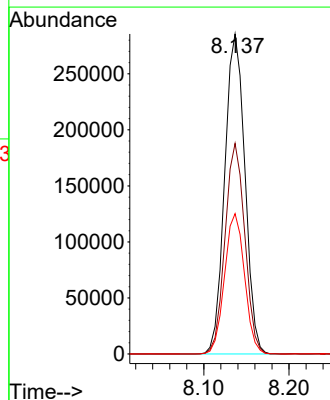
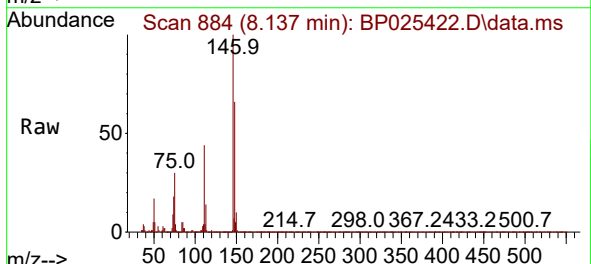
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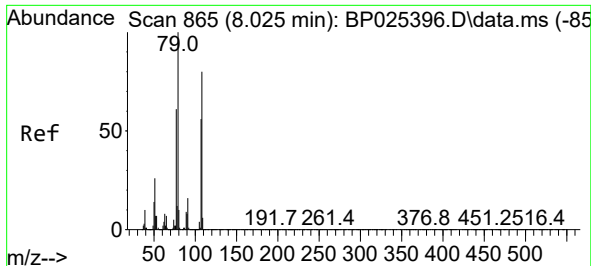
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#14
1,2-Dichlorobenzene
Concen: 38.837 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

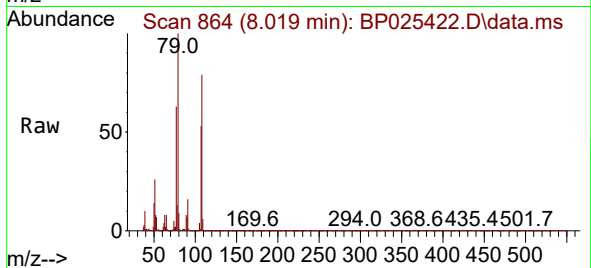
Tgt Ion:146 Resp: 469905
Ion Ratio Lower Upper
146 100
148 65.8 50.4 75.6
111 43.8 34.5 51.7





#15
Benzyl Alcohol
Concen: 40.199 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

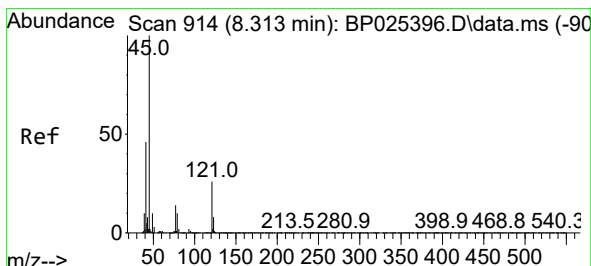
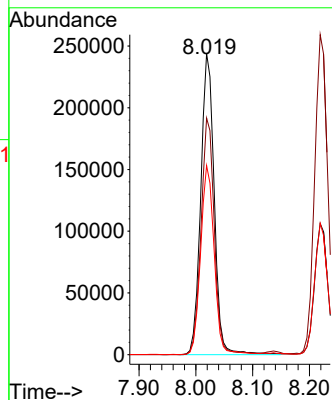
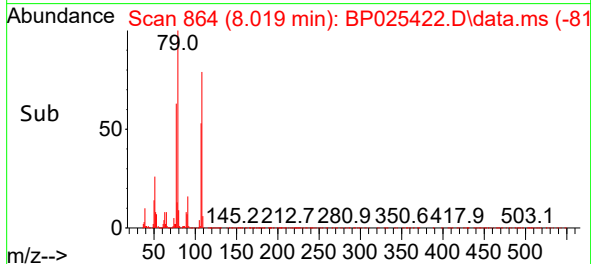
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 79 Resp: 40245
Ion Ratio Lower Upper
79 100
108 78.5 63.8 95.6
77 62.8 49.0 73.4

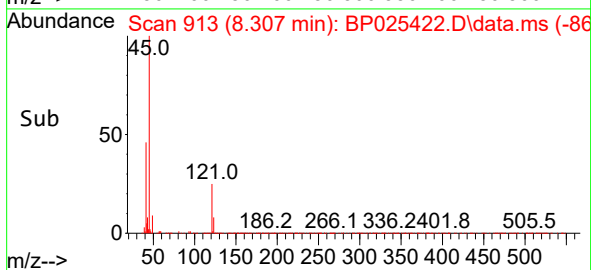
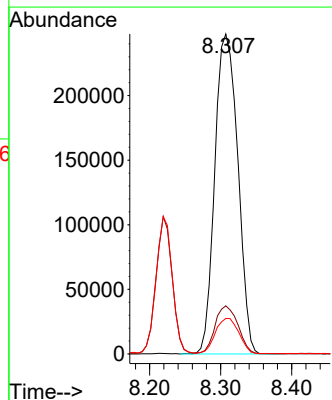
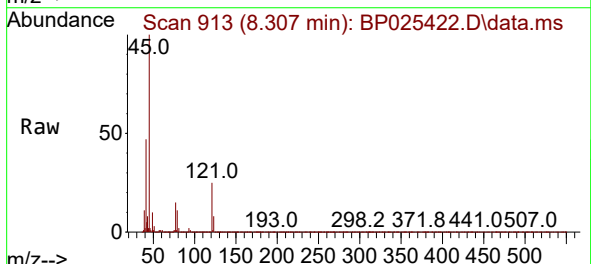
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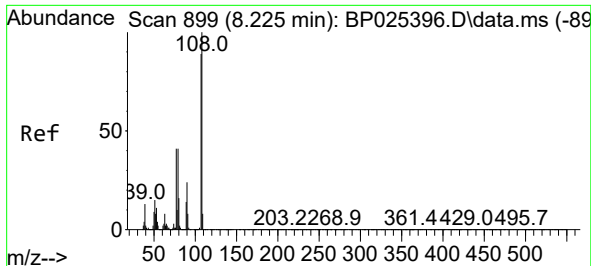
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.282 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 45 Resp: 556083
Ion Ratio Lower Upper
45 100
77 15.1 0.0 35.3
79 11.1 0.0 31.8





#17
2-Methylphenol
Concen: 39.752 ng
RT: 8.219 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

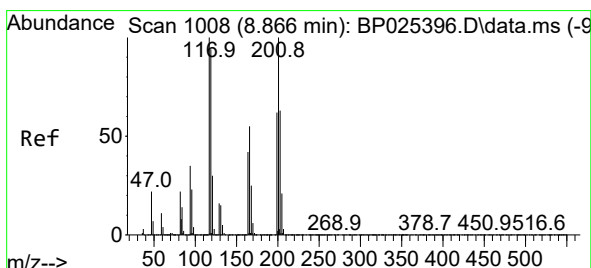
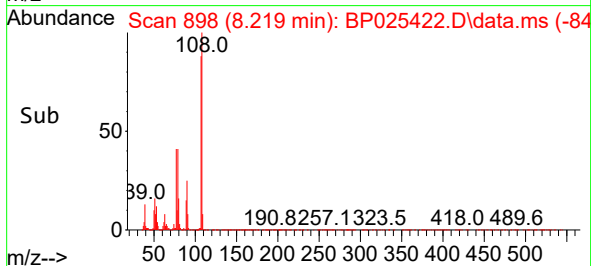
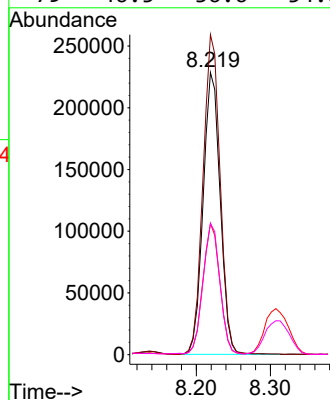
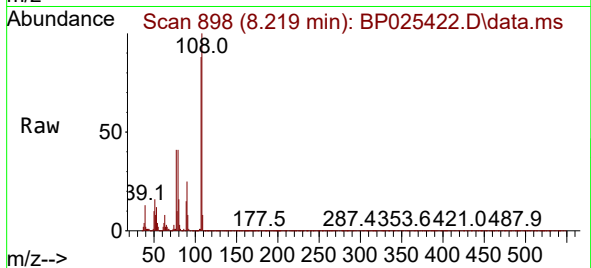
ClientSampleId :

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Tgt Ion:107 Resp: 36502
Ion Ratio Lower Upper
107 100
108 113.4 89.4 134.0
77 46.5 36.3 54.5
79 46.5 36.6 54.8

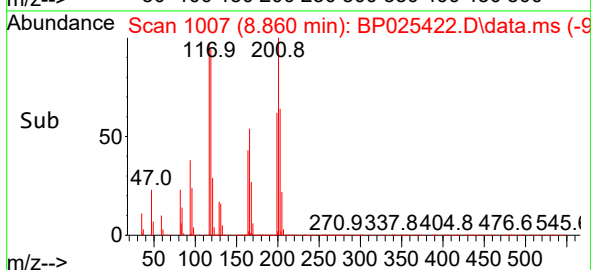
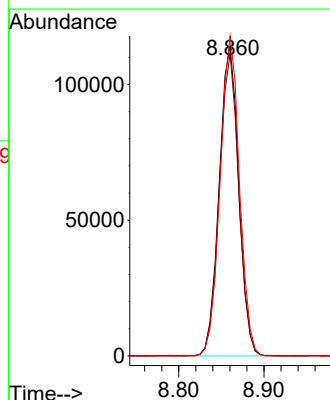
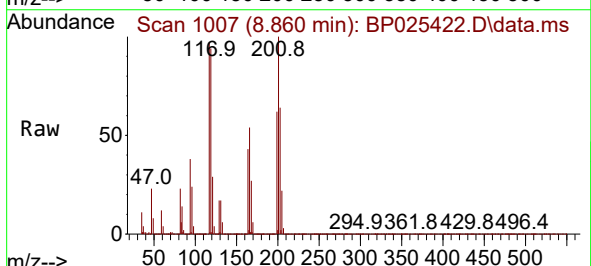
Manual Integrations
APPROVED

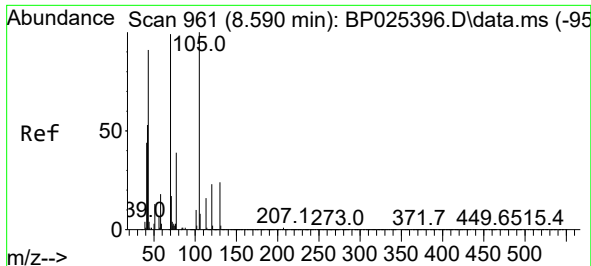
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#18
Hexachloroethane
Concen: 39.542 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

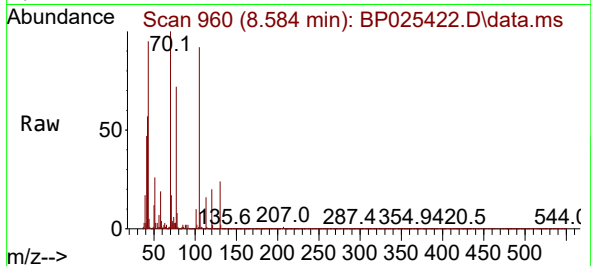
Tgt Ion:117 Resp: 181724
Ion Ratio Lower Upper
117 100
119 97.6 75.1 112.7
201 103.5 80.1 120.1





#19
n-Nitroso-di-n-propylamine
Concen: 39.304 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

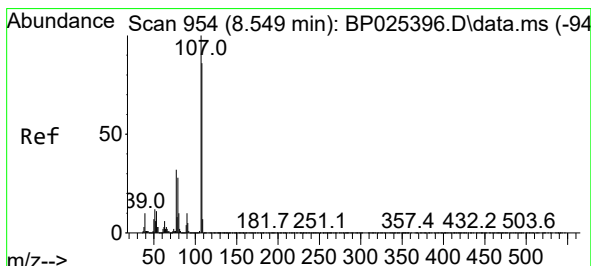
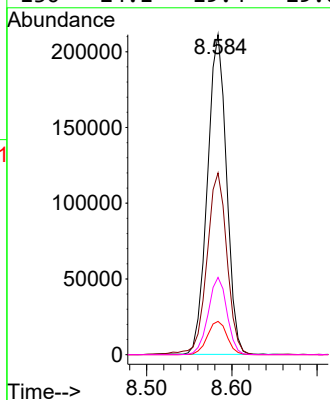
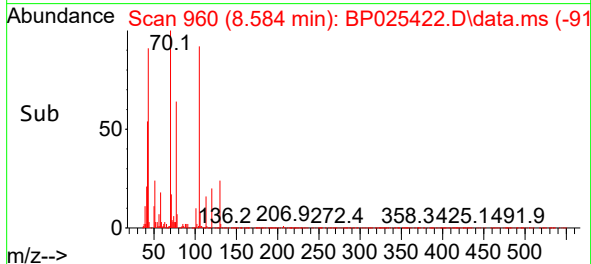
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



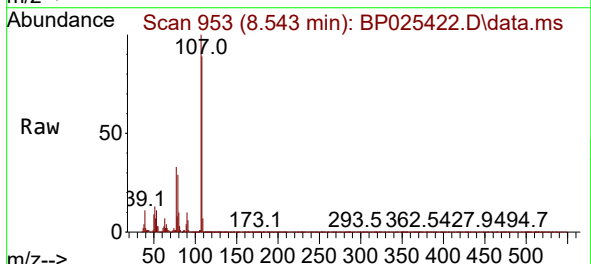
Tgt Ion: 70 Resp: 32803
Ion Ratio Lower Upper
70 100
42 56.8 43.8 65.6
101 10.4 8.5 12.7
130 24.1 19.4 29.0

Manual Integrations
APPROVED

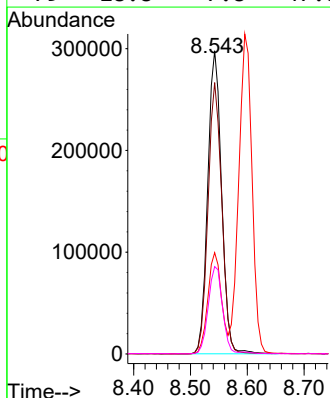
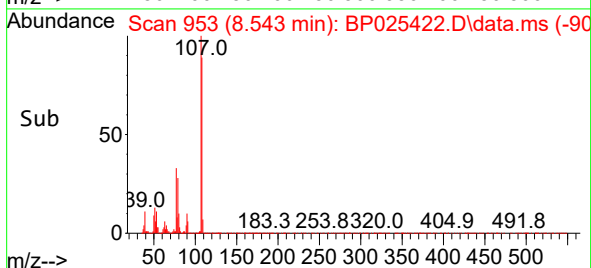
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

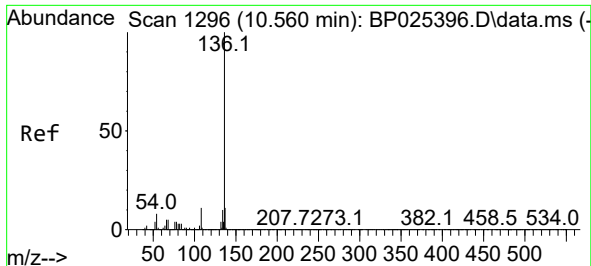


#20
3+4-Methylphenols
Concen: 39.561 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



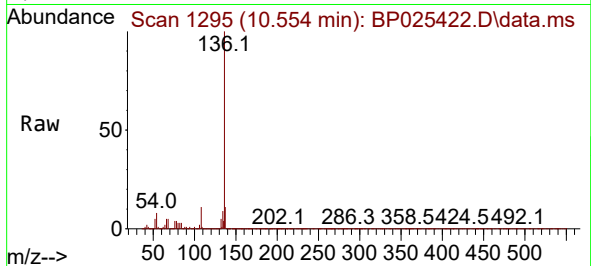
Tgt Ion:107 Resp: 503552
Ion Ratio Lower Upper
107 100
108 89.5 66.3 106.3
77 33.4 12.3 52.3
79 28.8 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

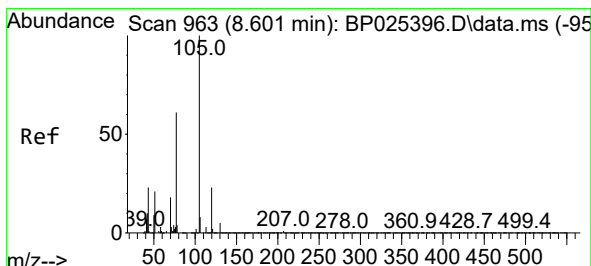
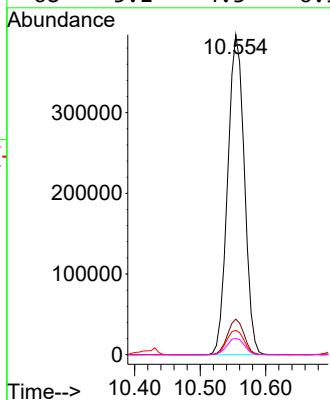
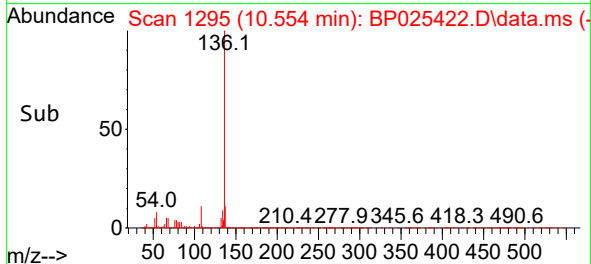
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



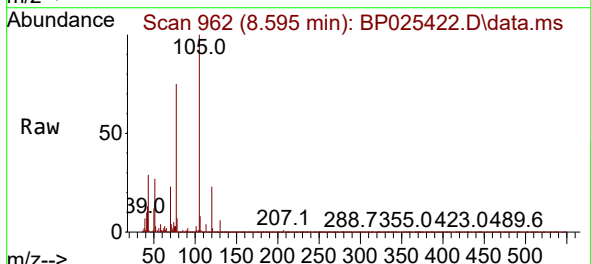
Tgt Ion:	136	Resp:	69911
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5

Manual Integrations
APPROVED

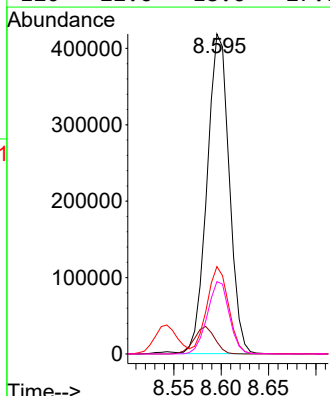
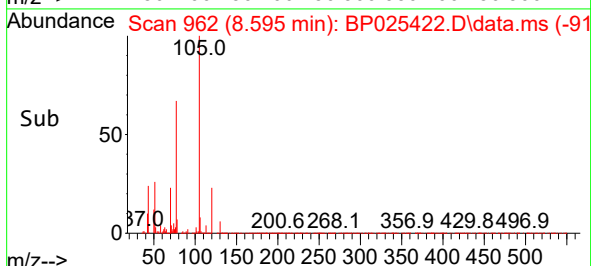
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

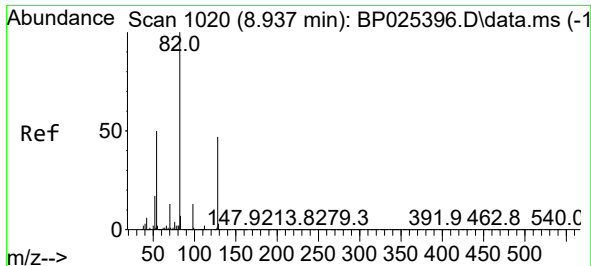


#22
Acetophenone
Concen: 38.792 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



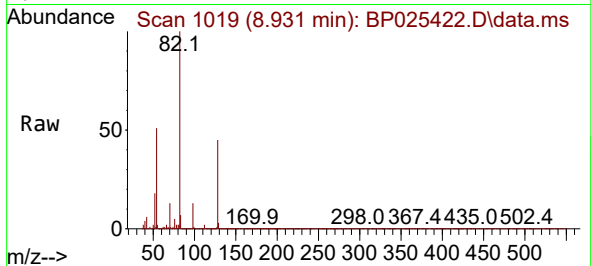
Tgt Ion:	105	Resp:	680116
Ion Ratio	Lower	Upper	
105	100		
71	3.8	2.6	4.0
51	27.3	20.6	30.8
120	22.6	18.6	27.8





#23
Nitrobenzene-d5
Concen: 79.367 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

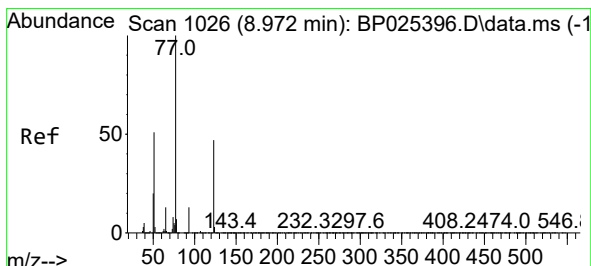
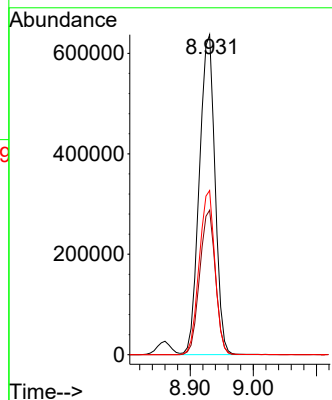
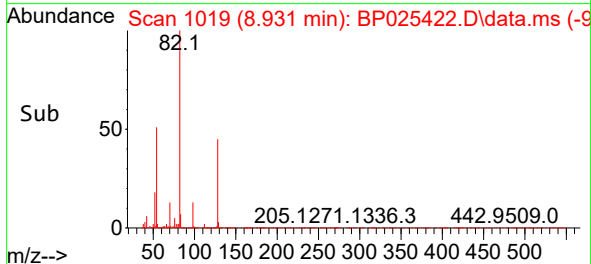
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



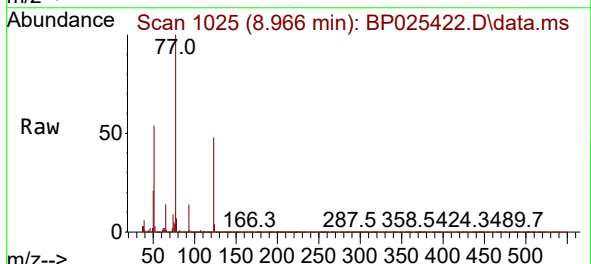
Tgt Ion: 82 Resp: 1096890
Ion Ratio Lower Upper
82 100
128 45.1 37.7 56.5
54 51.3 39.8 59.6

Manual Integrations
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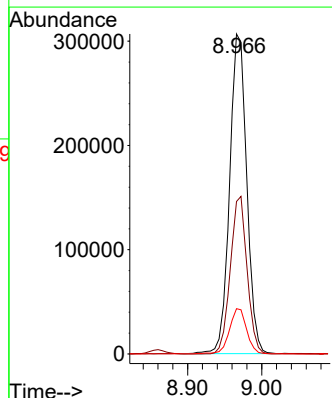
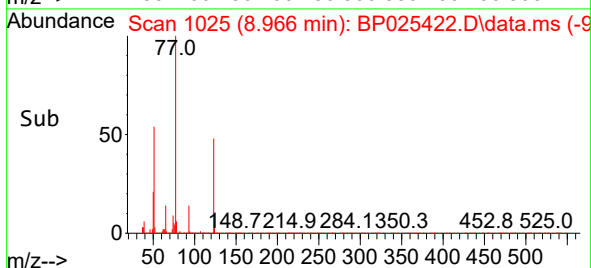
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

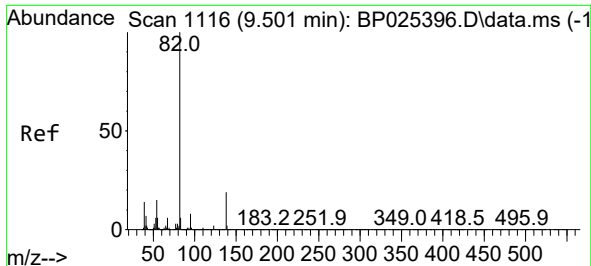


#24
Nitrobenzene
Concen: 39.805 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion: 77 Resp: 491654
Ion Ratio Lower Upper
77 100
123 47.7 38.6 58.0
65 14.2 10.6 15.8





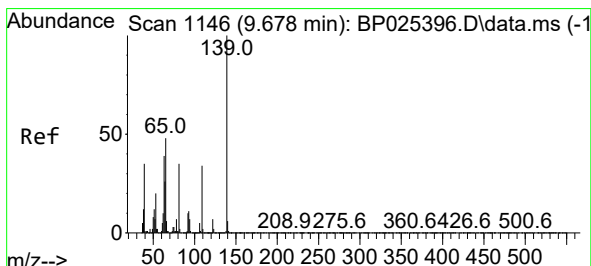
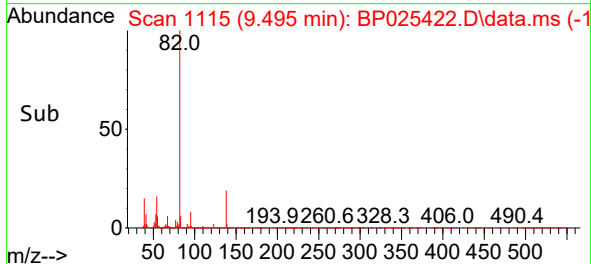
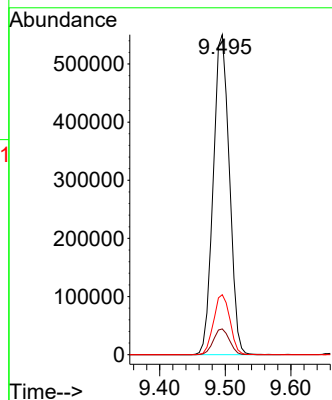
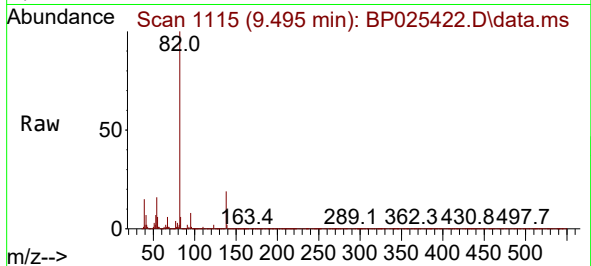
#25
Isophorone
Concen: 38.387 ng
RT: 9.495 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 938890
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 18.8 15.4 23.0

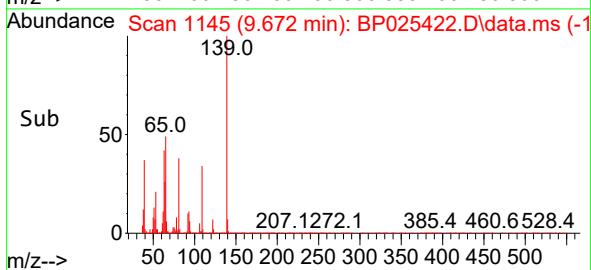
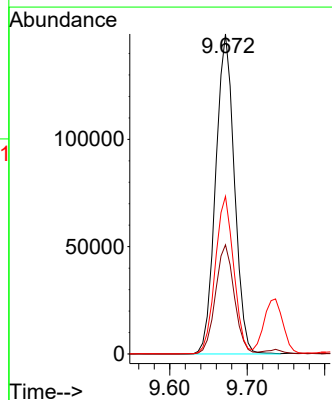
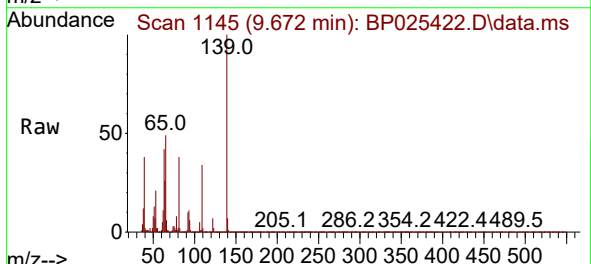
Manual Integrations
APPROVED

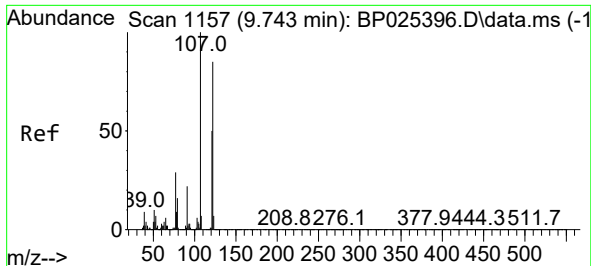
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#26
2-Nitrophenol
Concen: 39.458 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

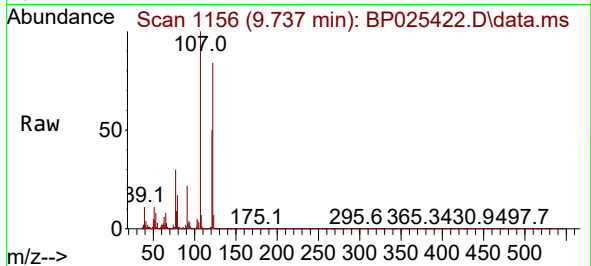
Tgt Ion:139 Resp: 250121
Ion Ratio Lower Upper
139 100
109 34.1 26.9 40.3
65 49.2 38.3 57.5





#27
2,4-Dimethylphenol
Concen: 39.018 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

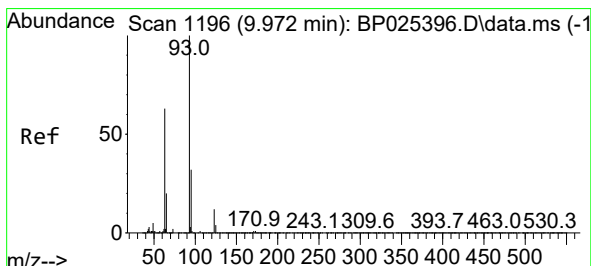
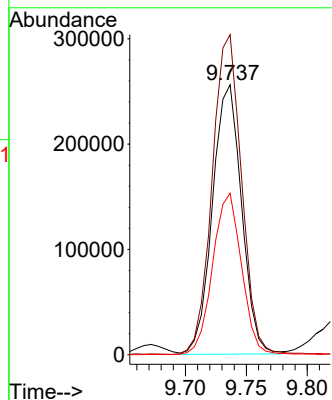
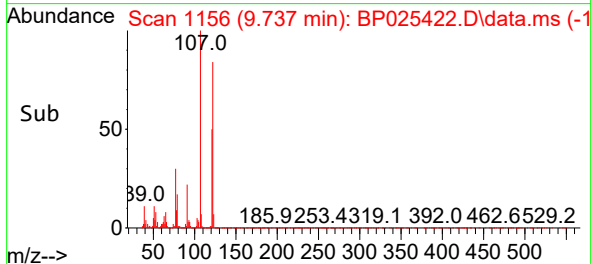
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:122 Resp: 425335
Ion Ratio Lower Upper
122 100
107 118.5 93.7 140.5
121 59.8 46.6 69.8

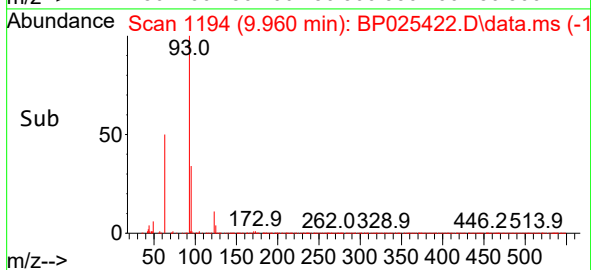
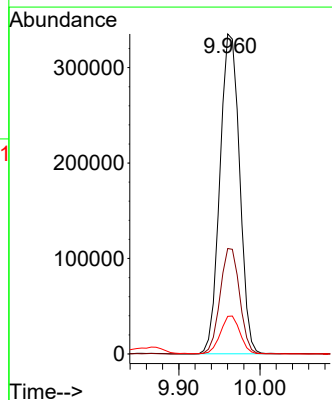
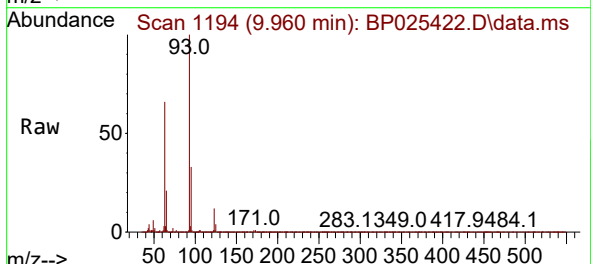
Manual Integrations
APPROVED

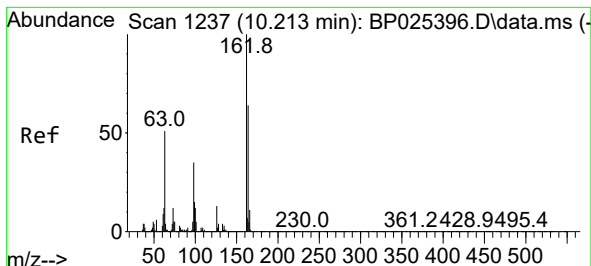
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#28
bis(2-Chloroethoxy)methane
Concen: 38.258 ng
RT: 9.960 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

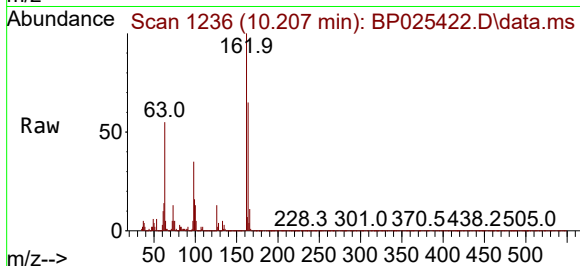
Tgt Ion: 93 Resp: 565633
Ion Ratio Lower Upper
93 100
95 33.0 25.4 38.0
123 11.7 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 38.724 ng
RT: 10.207 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

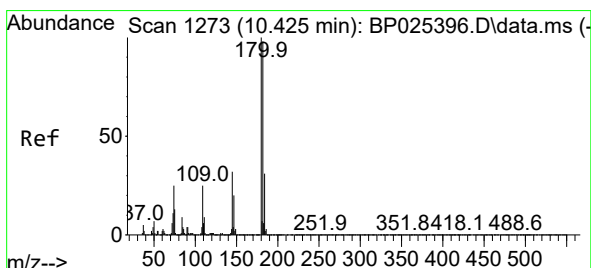
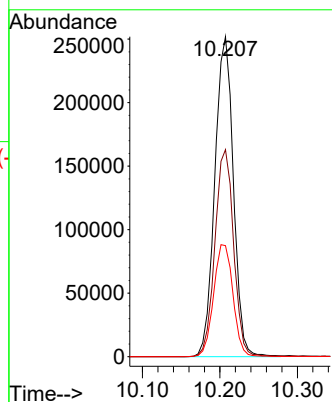
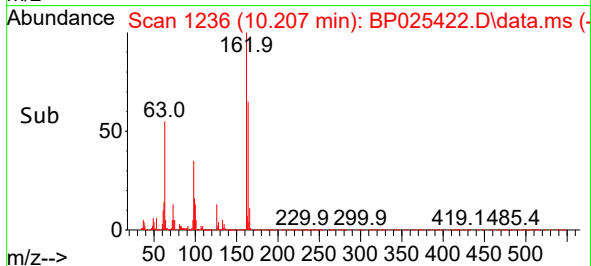
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



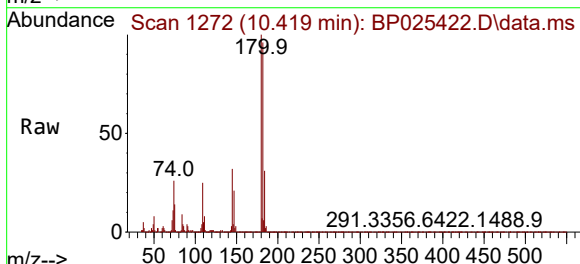
Tgt Ion:162 Resp: 41934
Ion Ratio Lower Upper
162 100
164 64.7 44.4 84.4
98 34.7 14.9 54.9

Manual Integrations
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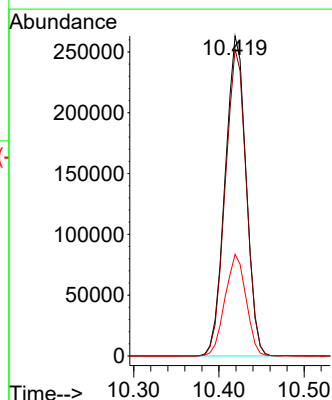
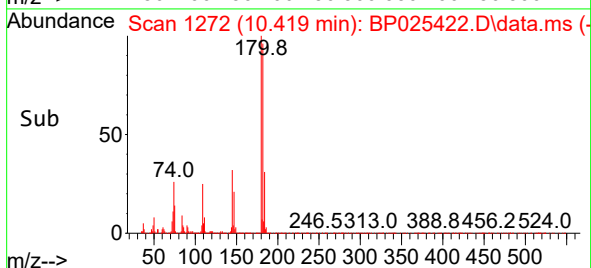
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

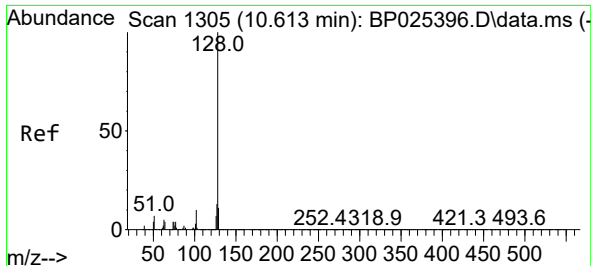


#30
1,2,4-Trichlorobenzene
Concen: 37.921 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



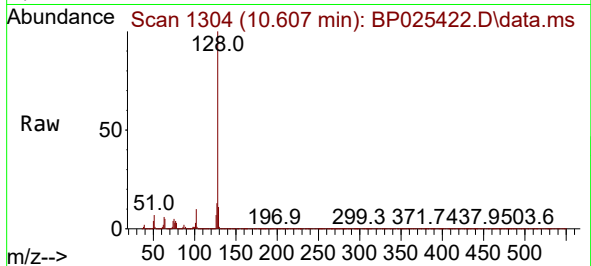
Tgt Ion:180 Resp: 450156
Ion Ratio Lower Upper
180 100
182 95.9 78.0 117.0
145 31.8 25.9 38.9





#31
Naphthalene
Concen: 38.324 ng
RT: 10.607 min Scan# 111
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

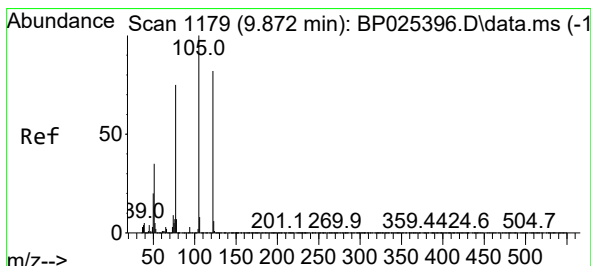
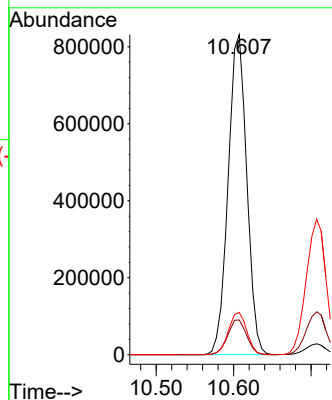
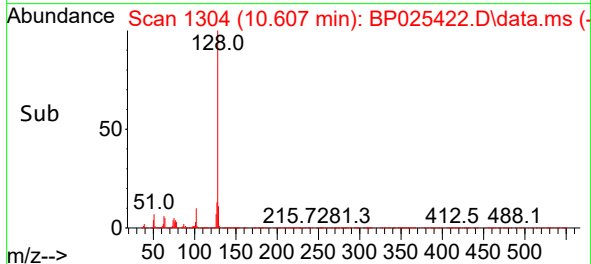
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:128 Resp: 139257
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.7 16.1

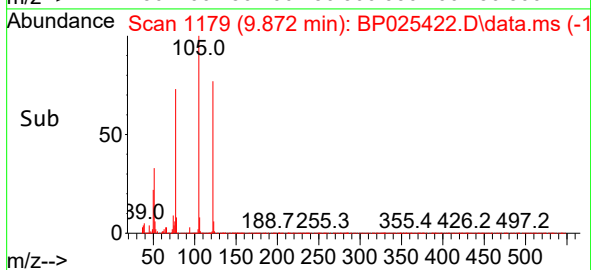
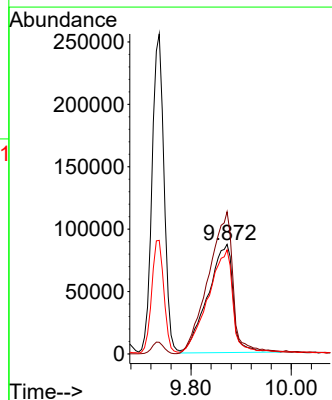
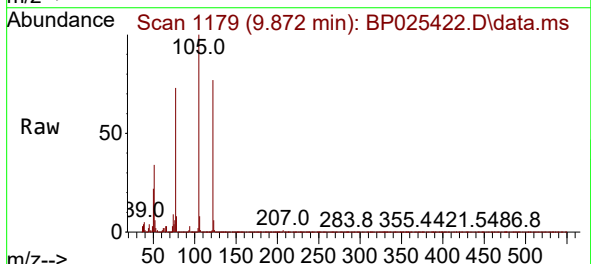
Manual Integrations
APPROVED

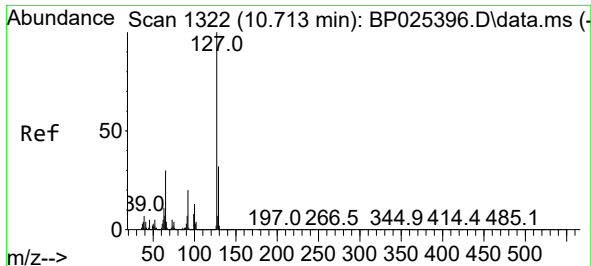
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#32
Benzoic acid
Concen: 37.734 ng
RT: 9.872 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

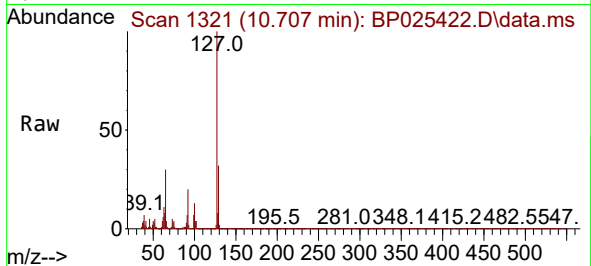
Tgt Ion:122 Resp: 303683
Ion Ratio Lower Upper
122 100
105 129.8 100.6 140.6
77 95.1 71.5 111.5





#33
4-Chloroaniline
Concen: 39.164 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

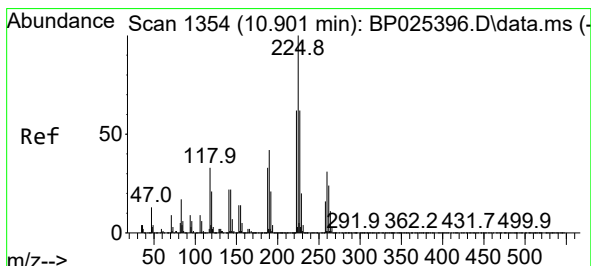
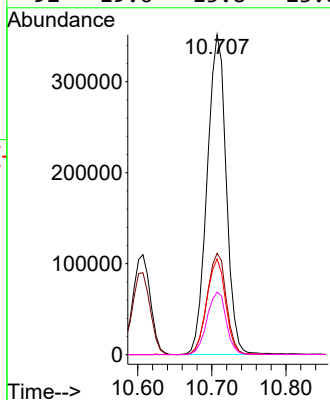
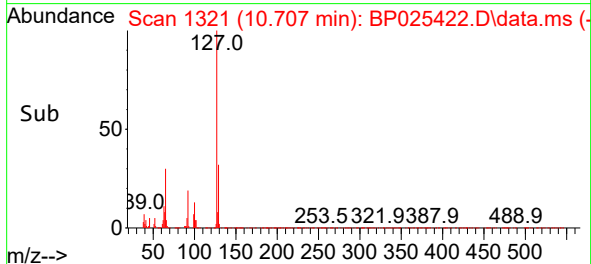
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



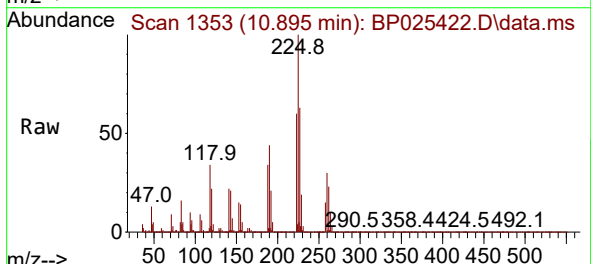
Tgt Ion:127 Resp: 628608
Ion Ratio Lower Upper
127 100
129 31.7 25.4 38.2
65 29.9 23.8 35.6
92 19.6 15.8 23.8

Manual Integrations
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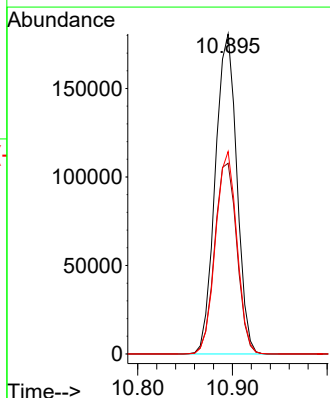
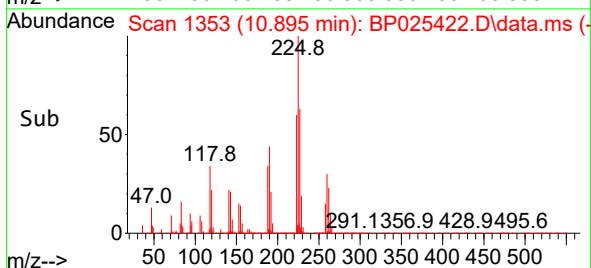
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

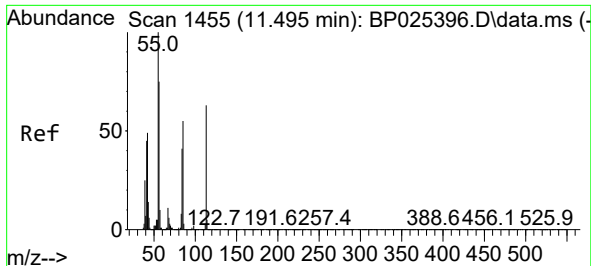


#34
Hexachlorobutadiene
Concen: 38.652 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



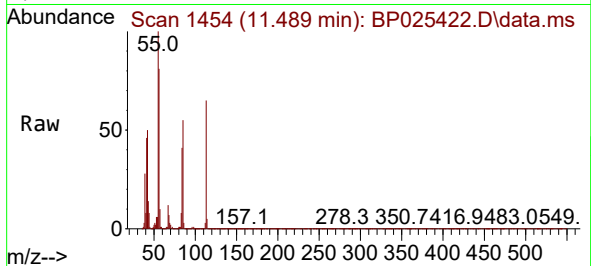
Tgt Ion:225 Resp: 285751
Ion Ratio Lower Upper
225 100
223 59.6 50.0 75.0
227 63.3 49.7 74.5





#35
Caprolactam
Concen: 37.951 ng
RT: 11.489 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

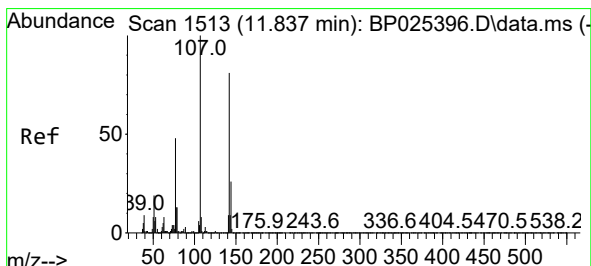
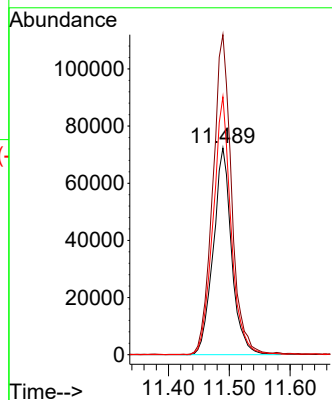
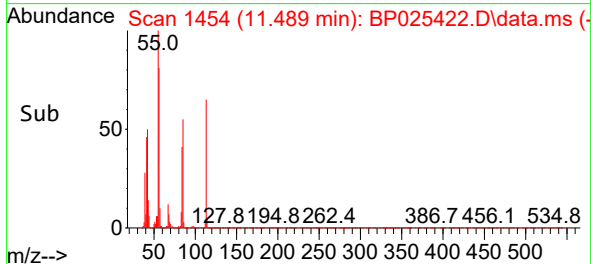
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



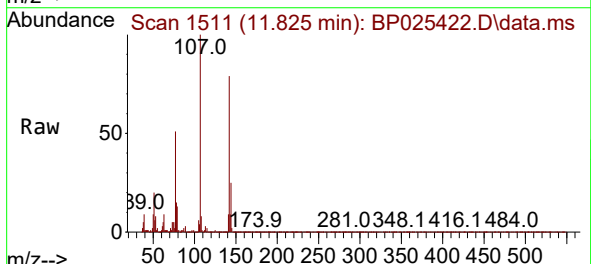
Tgt Ion:113 Resp: 15069
Ion Ratio Lower Upper
113 100
55 154.8 140.0 180.0
56 124.8 100.0 140.0

Manual Integrations
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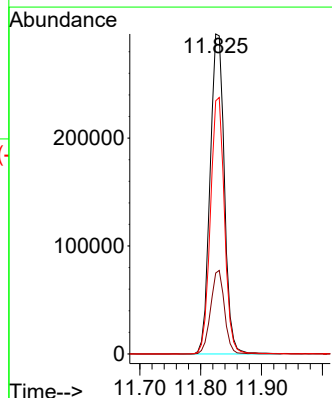
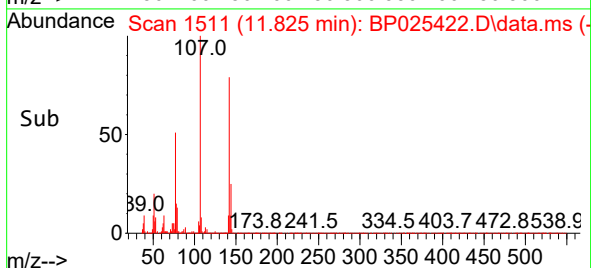
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

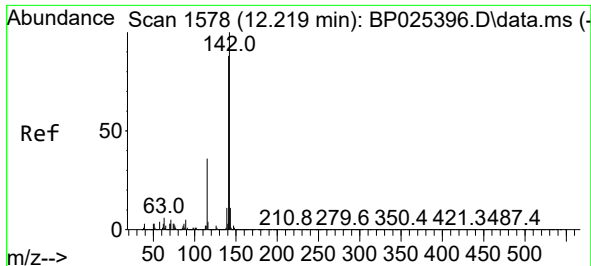


#36
4-Chloro-3-methylphenol
Concen: 38.840 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



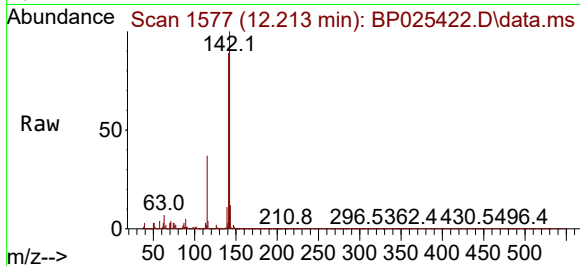
Tgt Ion:107 Resp: 482622
Ion Ratio Lower Upper
107 100
144 25.3 21.0 31.4
142 79.1 64.6 97.0





#37
2-Methylnaphthalene
Concen: 38.190 ng
RT: 12.213 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

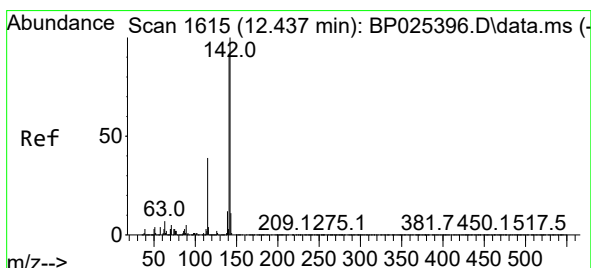
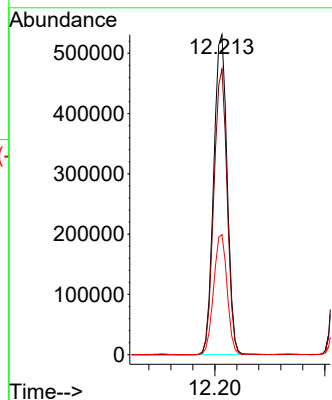
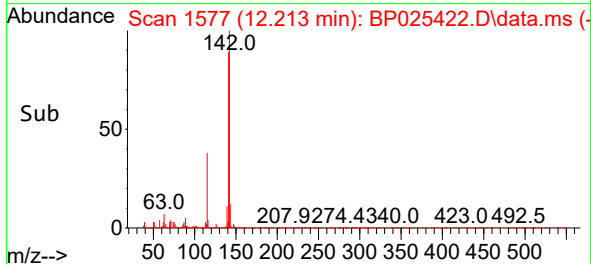
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



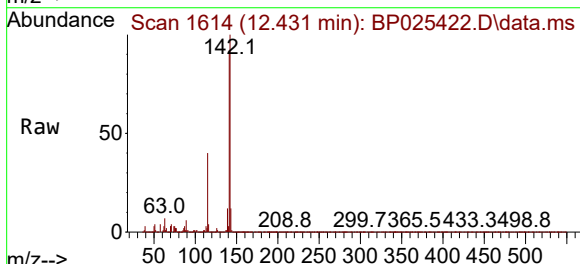
Tgt Ion:142 Resp: 903084
Ion Ratio Lower Upper
142 100
141 89.2 70.3 105.5
115 37.5 28.9 43.3

Manual Integrations
APPROVED

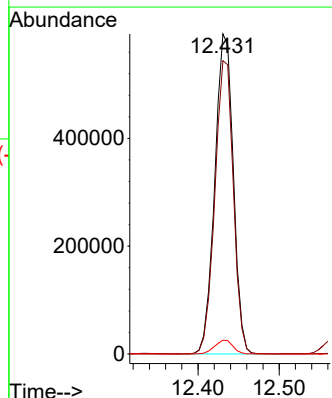
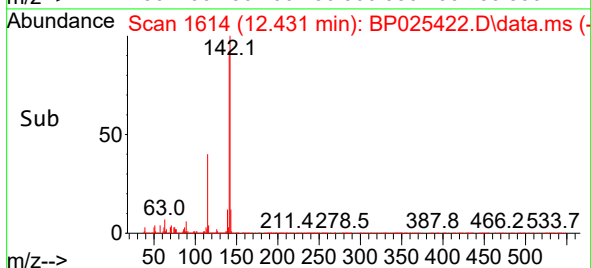
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

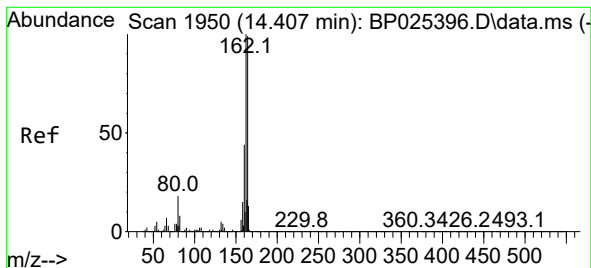


#38
1-Methylnaphthalene
Concen: 37.439 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:142 Resp: 941493
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7
116 4.3 3.2 4.8





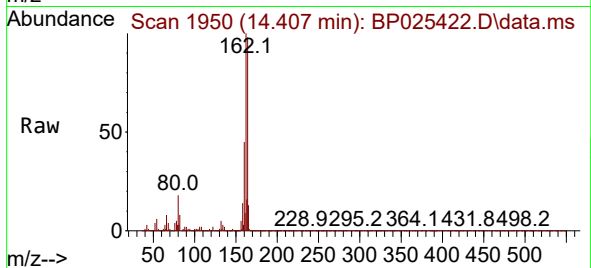
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

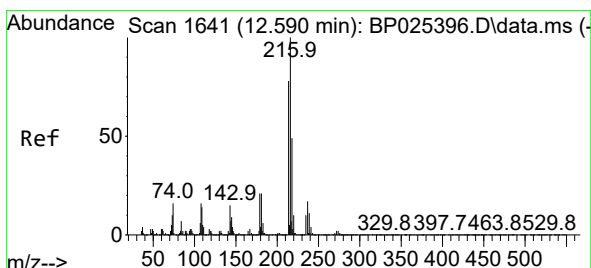
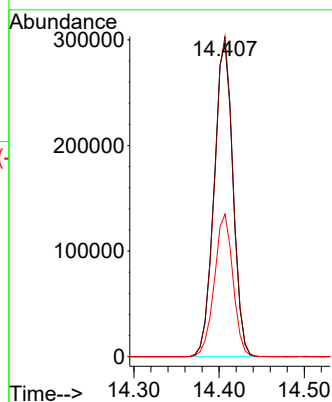
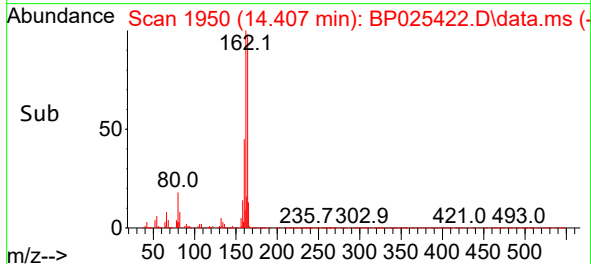
SSTDCCC040



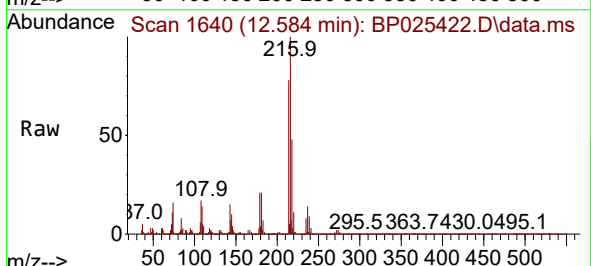
Tgt Ion:164 Resp: 45830
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.6
160 45.5 35.4 53.2

Manual Integrations
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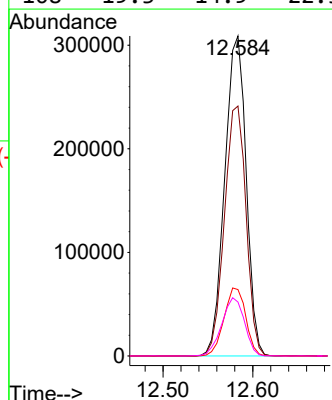
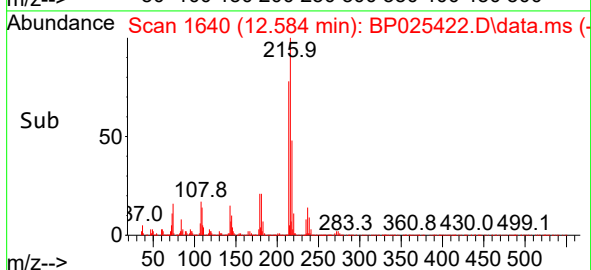
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

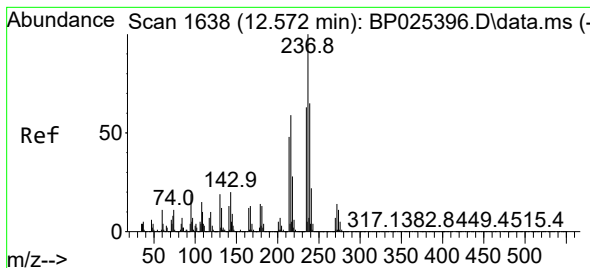


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.717 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



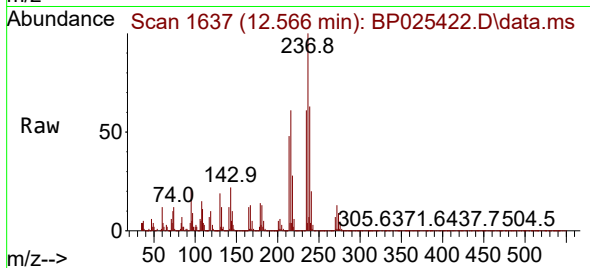
Tgt Ion:216 Resp: 512464
Ion Ratio Lower Upper
216 100
214 78.9 63.0 94.4
179 21.5 17.1 25.7
108 19.3 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 40.319 ng
RT: 12.566 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

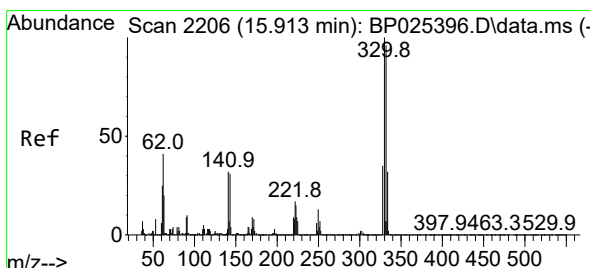
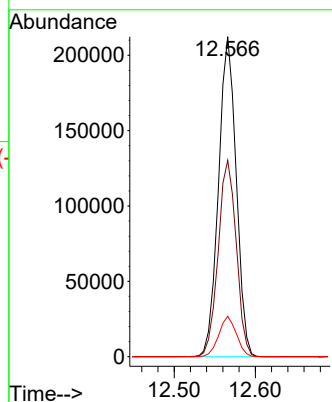
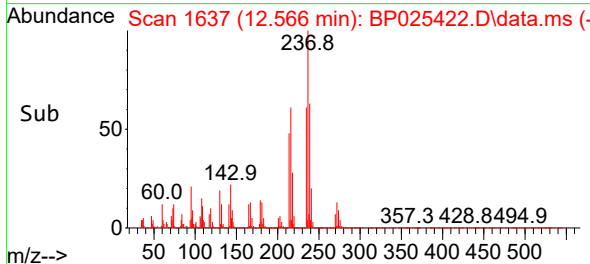
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 237 Resp: 322360
Ion Ratio Lower Upper
237 100
235 61.4 42.7 82.7
272 12.7 0.0 34.0

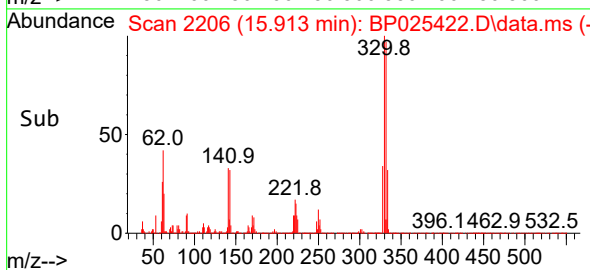
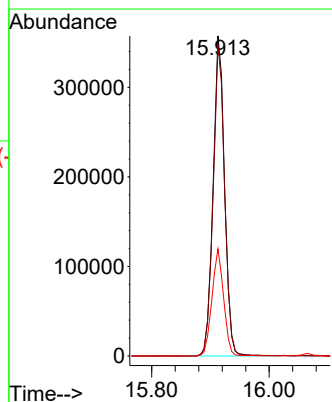
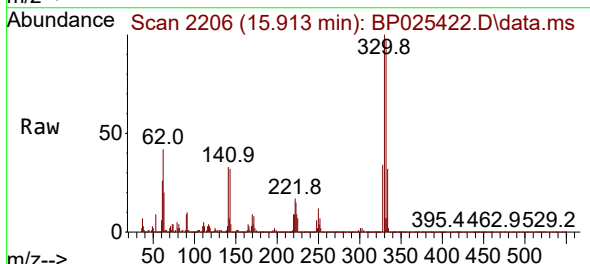
Manual Integrations
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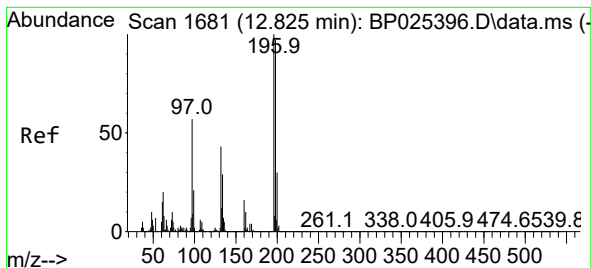
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#42
2,4,6-Tribromophenol
Concen: 78.381 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 330 Resp: 483517
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 34.0 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 39.291 ng

RT: 12.819 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 35110

Ion Ratio Lower Upper

196 100

198 97.7 77.2 115.8

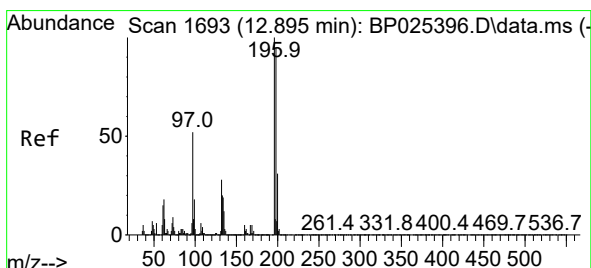
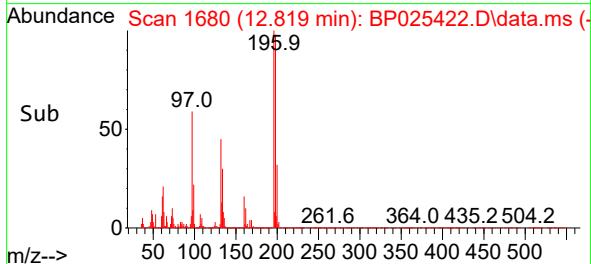
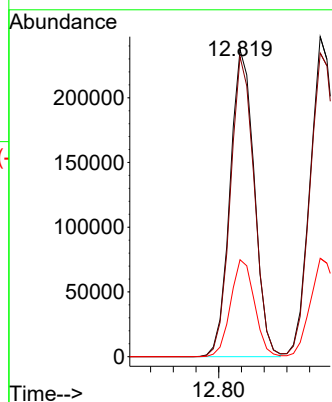
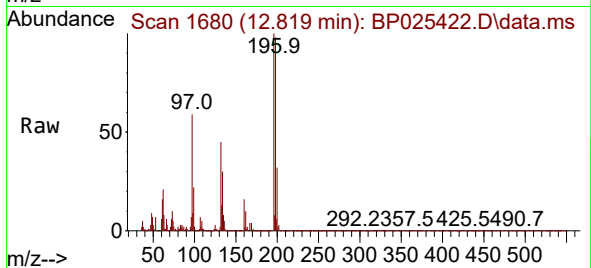
200 31.6 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#44

2,4,5-Trichlorophenol

Concen: 39.656 ng

RT: 12.889 min Scan# 1692

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Tgt Ion:196 Resp: 388369

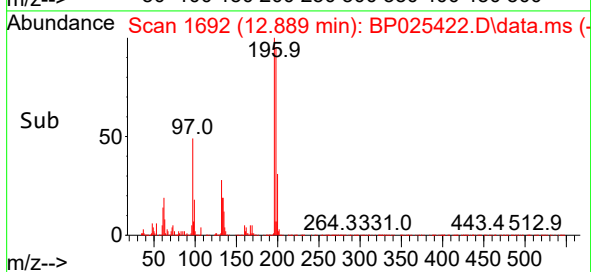
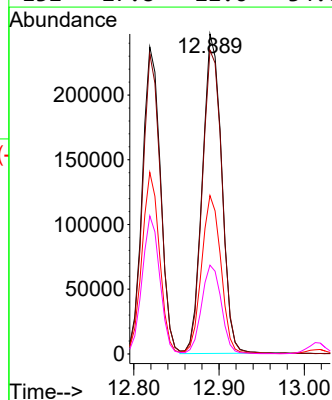
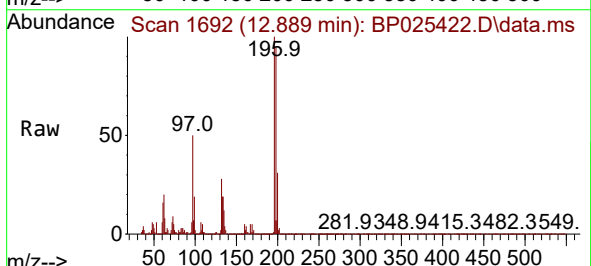
Ion Ratio Lower Upper

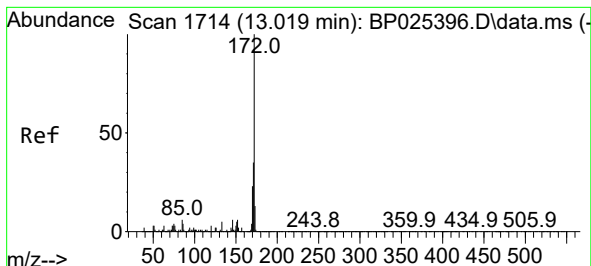
196 100

198 94.9 76.2 114.2

97 49.5 41.2 61.8

132 27.8 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 75.449 ng
RT: 13.013 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

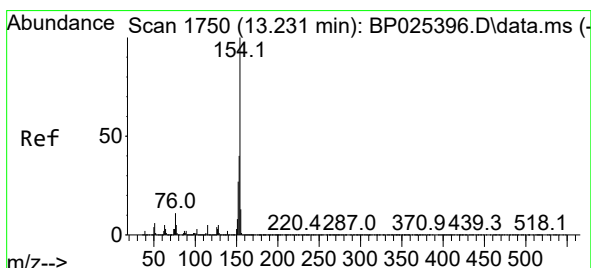
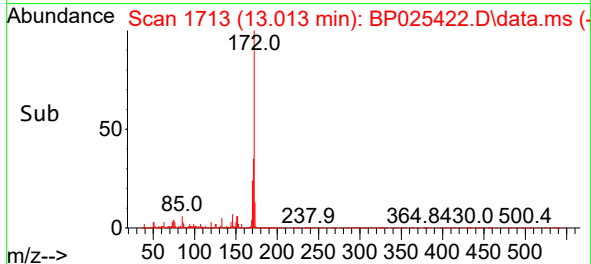
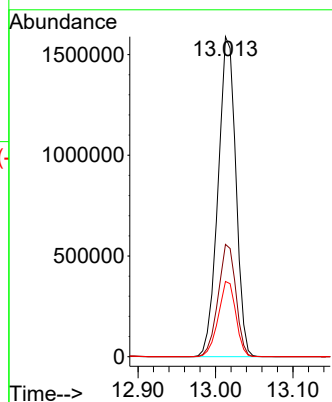
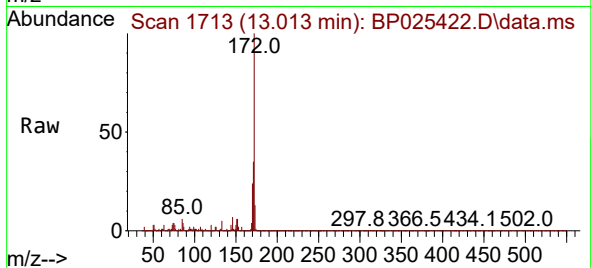
SSTDCCC040

Tgt Ion:172 Resp: 2530100
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.5 18.6 28.0

Manual Integrations
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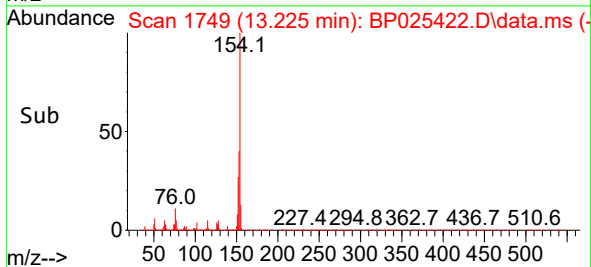
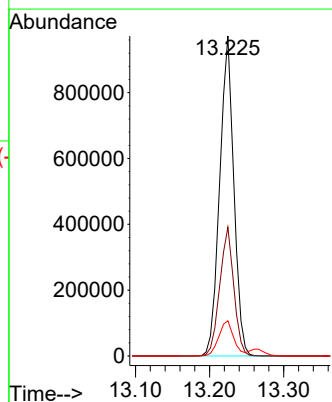
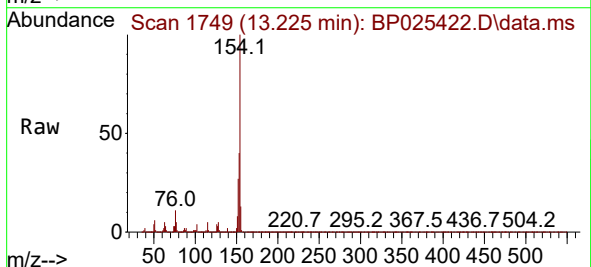
Reviewed By :Rahul Chavli 08/18/2025

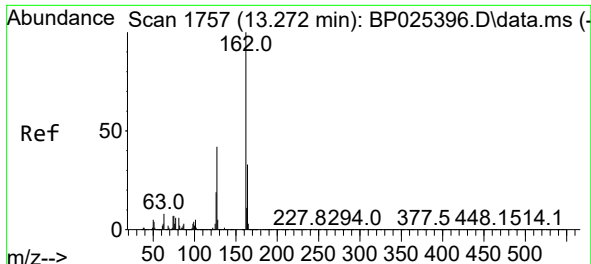
Supervised By :Jagrut Upadhyay 08/18/2025



#46
1,1'-Biphenyl
Concen: 38.672 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:154 Resp: 1287182
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.0 0.0 31.1





#47

2-Chloronaphthalene

Concen: 38.780 ng

RT: 13.266 min Scan# 1756

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 1004850

Ion Ratio Lower Upper

162 100

127 41.4 33.4 50.2

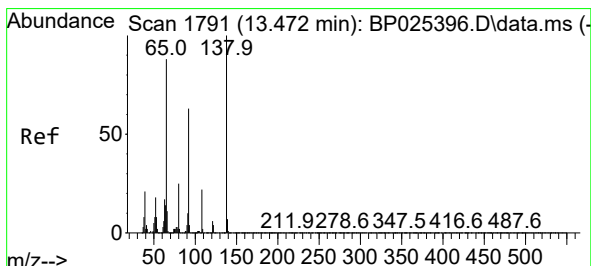
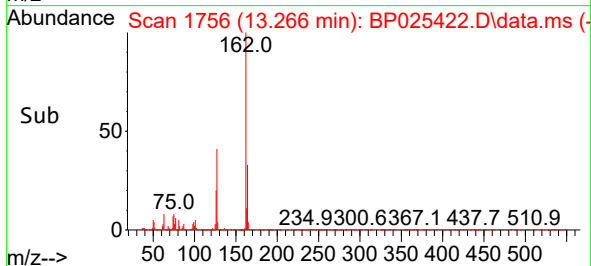
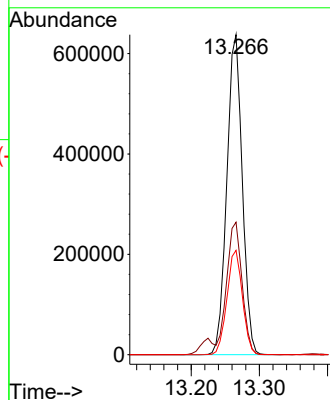
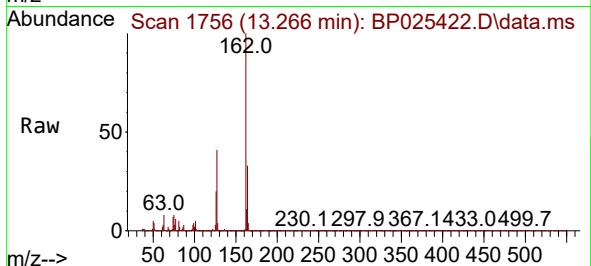
164 32.6 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#48

2-Nitroaniline

Concen: 40.910 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

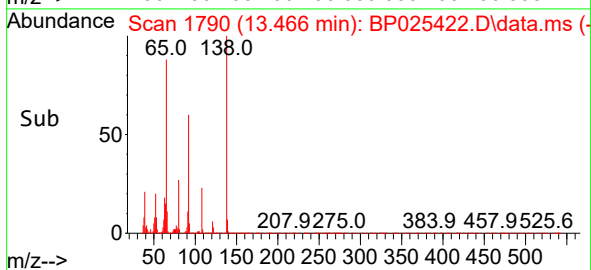
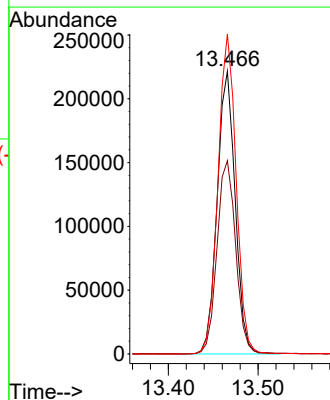
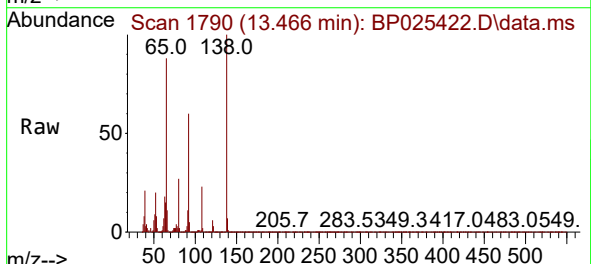
Tgt Ion: 65 Resp: 308875

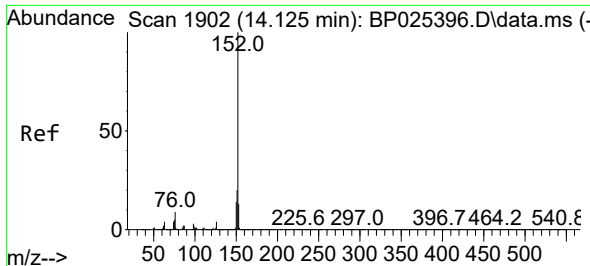
Ion Ratio Lower Upper

65 100

92 68.4 57.6 86.4

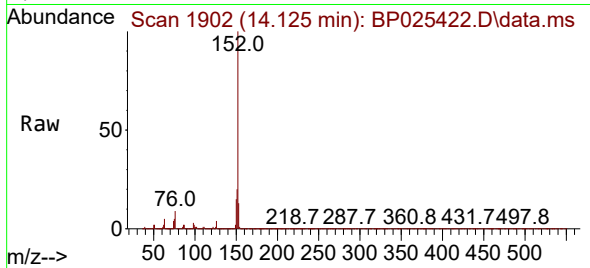
138 113.2 91.0 136.6





#49
Acenaphthylene
Concen: 38.457 ng
RT: 14.125 min Scan# 1902
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

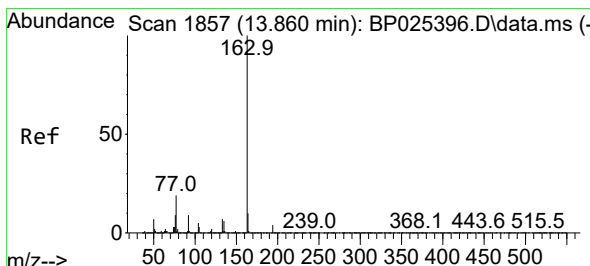
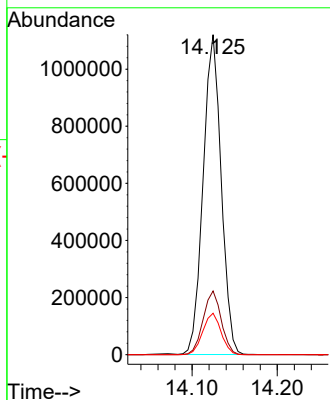
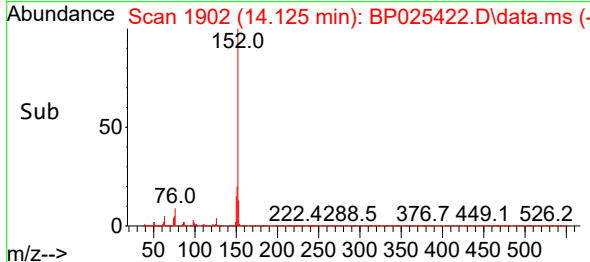
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



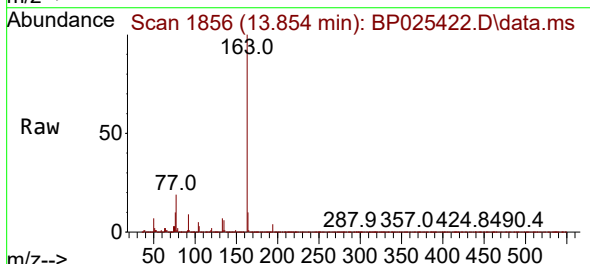
Tgt Ion:152 Resp: 164888
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 12.9 10.6 15.8

Manual Integrations
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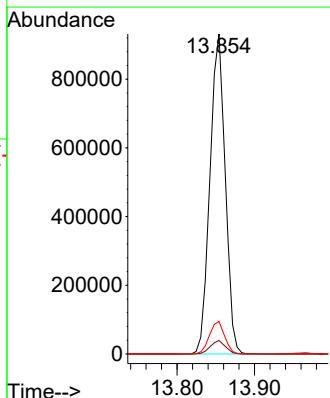
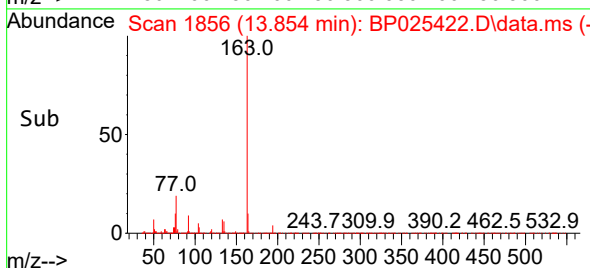
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

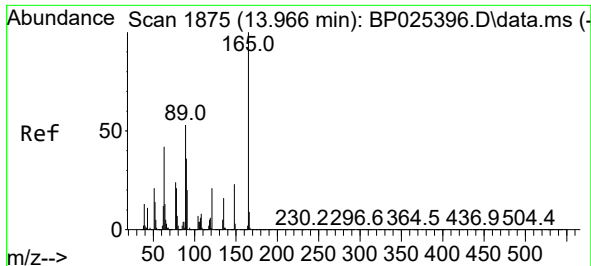


#50
Dimethylphthalate
Concen: 38.040 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



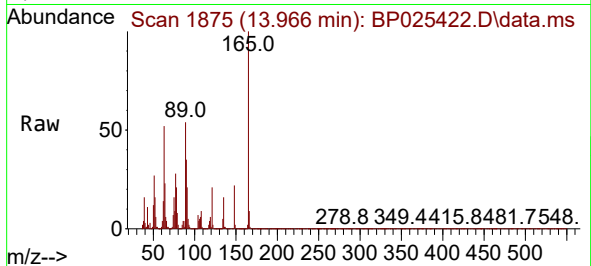
Tgt Ion:163 Resp: 1276659
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.2 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 40.628 ng
RT: 13.966 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

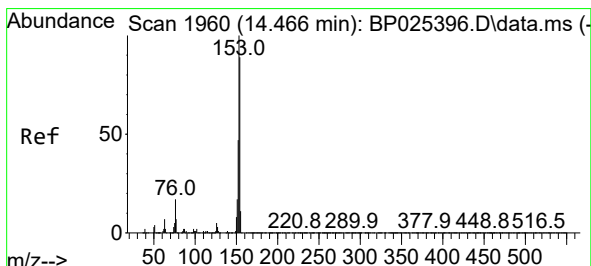
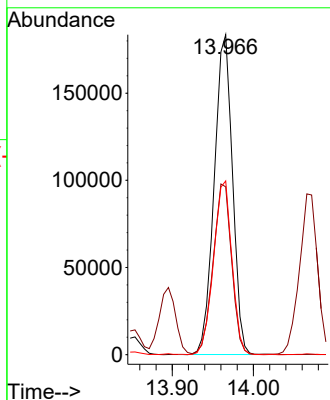
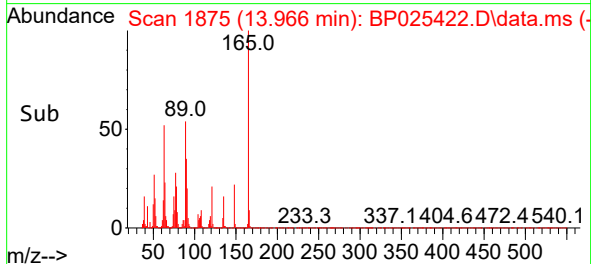
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



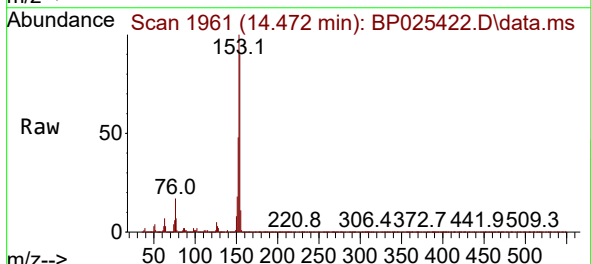
Tgt Ion:165 Resp: 287385
Ion Ratio Lower Upper
165 100
63 52.5 40.9 61.3
89 54.3 42.1 63.1

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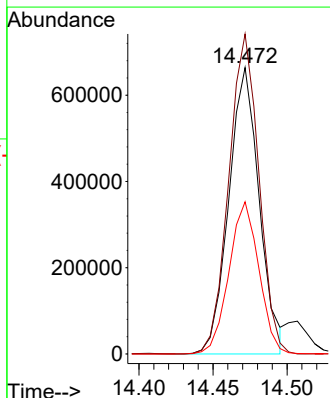
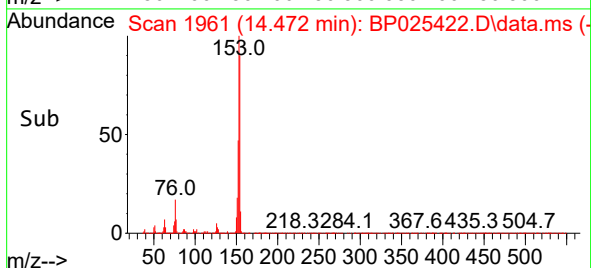
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

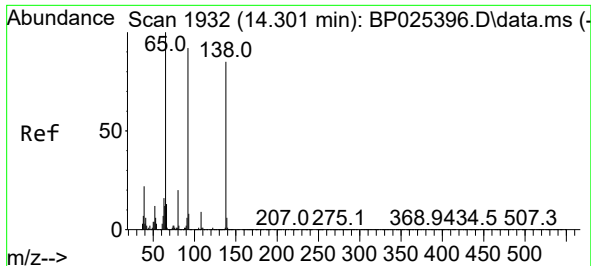


#52
Acenaphthene
Concen: 37.707 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



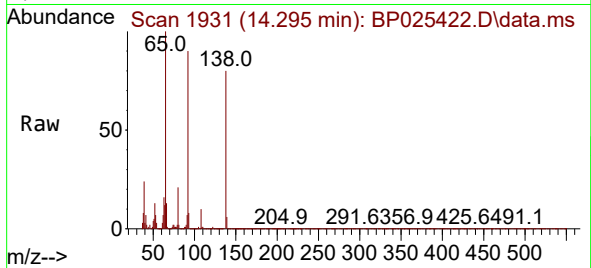
Tgt Ion:154 Resp: 949003
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.2
152 53.1 42.1 63.1





#53
3-Nitroaniline
Concen: 40.043 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

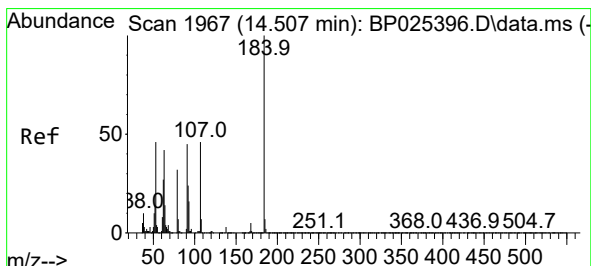
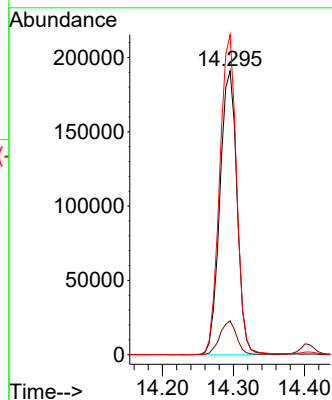
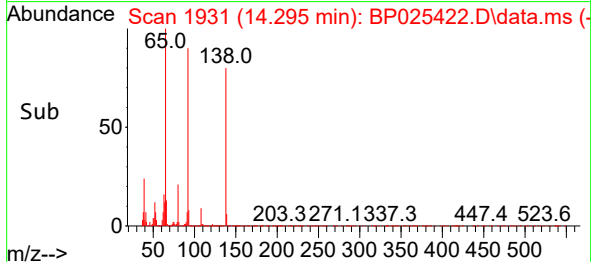
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



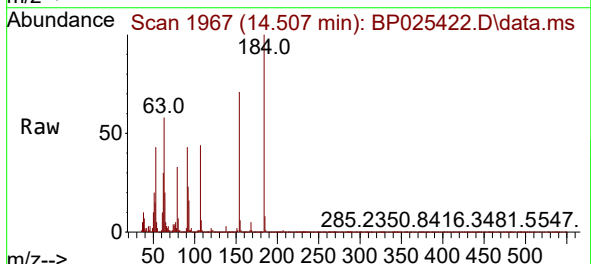
Tgt Ion:138 Resp: 31868
Ion Ratio Lower Upper
138 100
108 11.9 8.3 12.5
92 112.8 86.2 129.2

Manual Integrations
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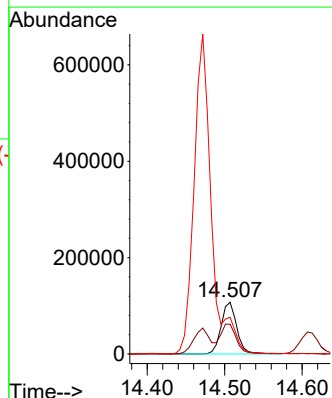
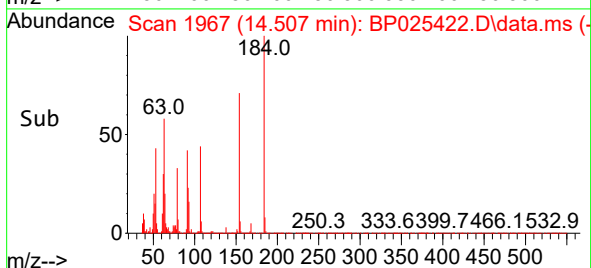
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

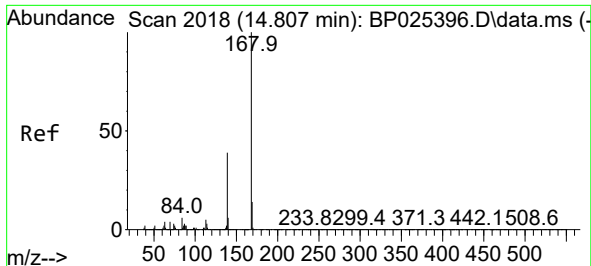


#54
2,4-Dinitrophenol
Concen: 39.794 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



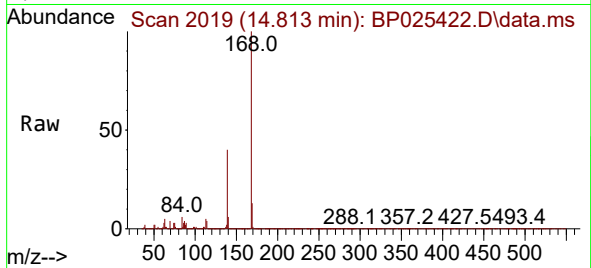
Tgt Ion:184 Resp: 150322
Ion Ratio Lower Upper
184 100
63 57.7 49.4 74.2
154 70.9 54.6 82.0





#55
Dibenzenofuran
Concen: 37.495 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

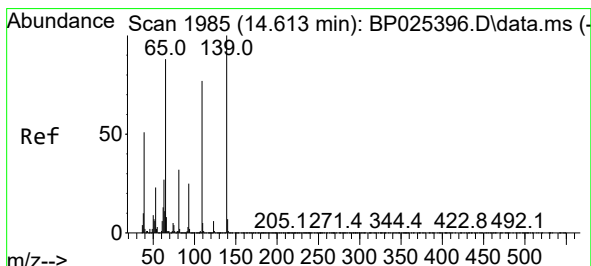
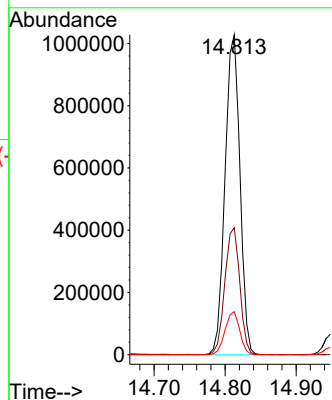
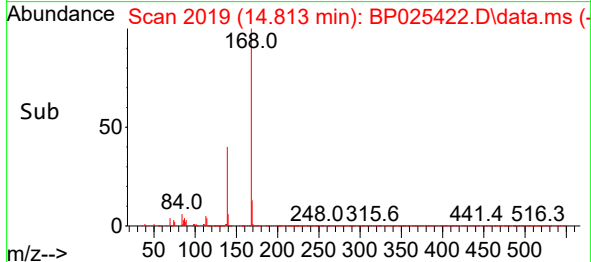
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



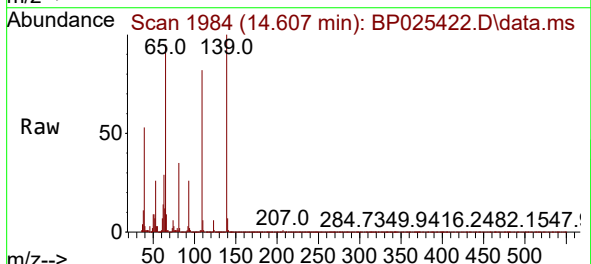
Tgt Ion:168 Resp: 149192
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.4 10.9 16.3

Manual Integrations
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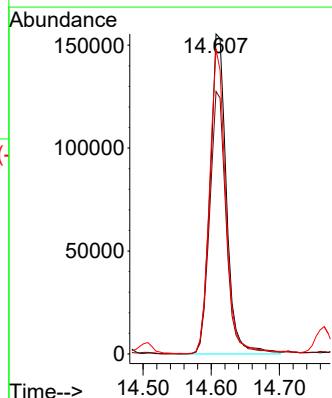
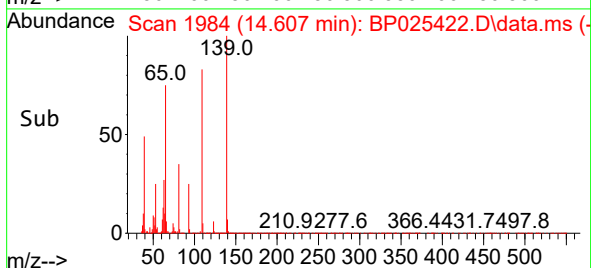
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

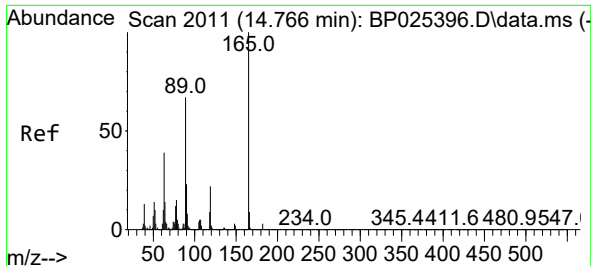


#56
4-Nitrophenol
Concen: 39.771 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:139 Resp: 260098
Ion Ratio Lower Upper
139 100
109 82.0 56.6 96.6
65 95.2 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 40.518 ng
RT: 14.766 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

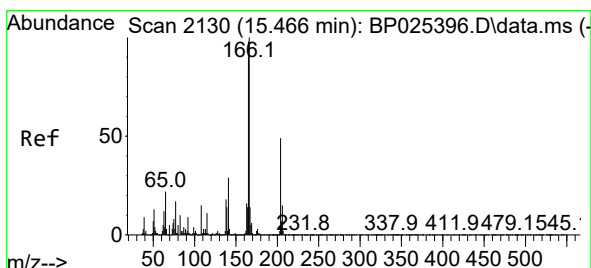
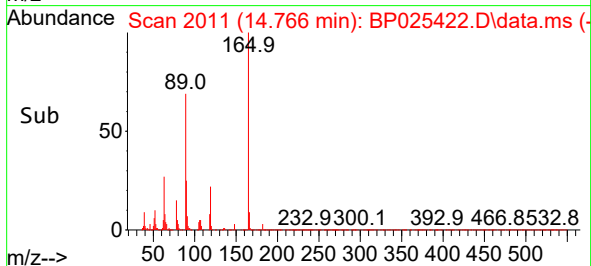
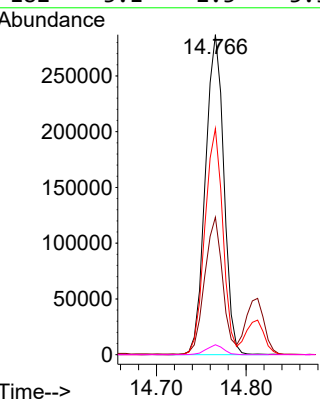
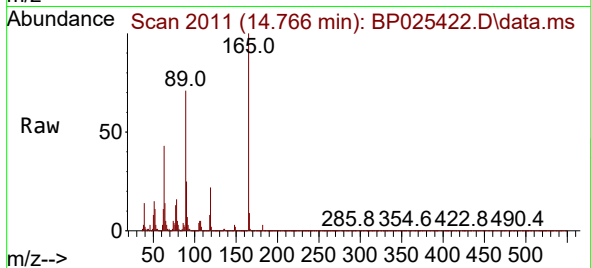
ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 408919
Ion Ratio Lower Upper
165 100
63 43.0 31.4 47.2
89 70.7 53.3 79.9
182 3.1 2.3 3.5

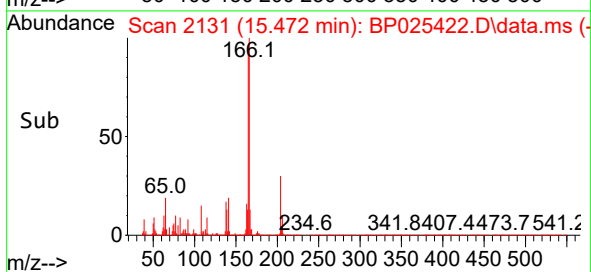
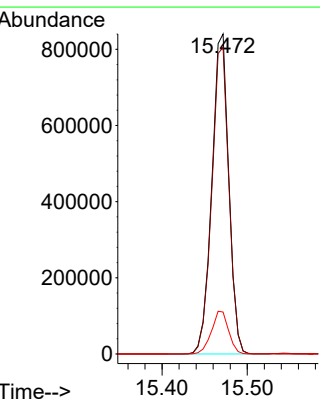
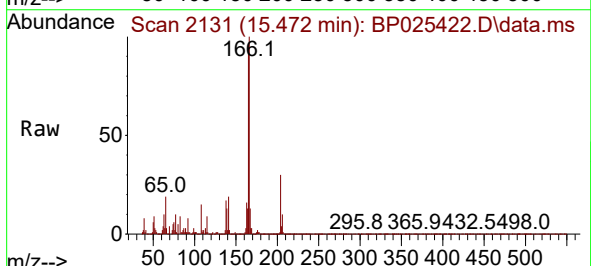
Manual Integrations
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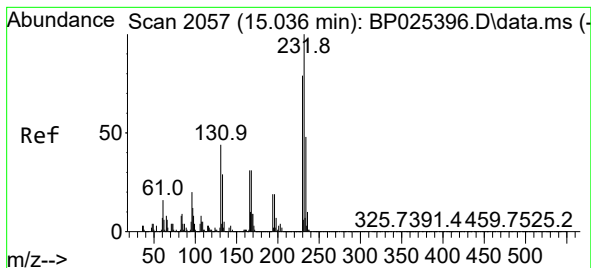
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#58
Fluorene
Concen: 37.121 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

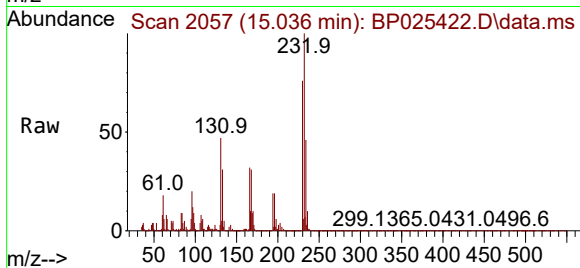
Tgt Ion:166 Resp: 1165482
Ion Ratio Lower Upper
166 100
165 95.8 78.8 118.2
167 13.1 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.927 ng
RT: 15.036 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

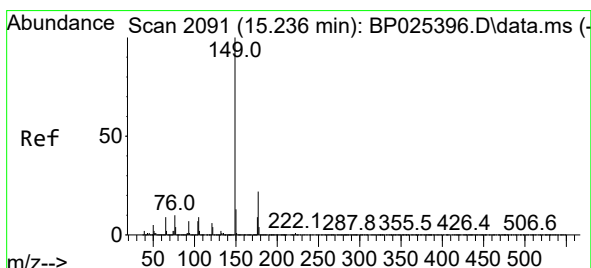
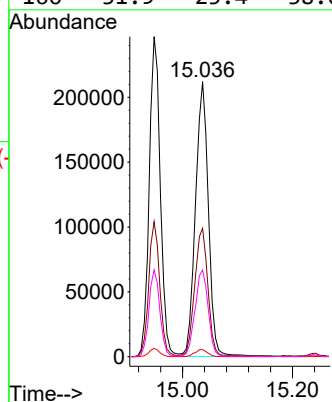
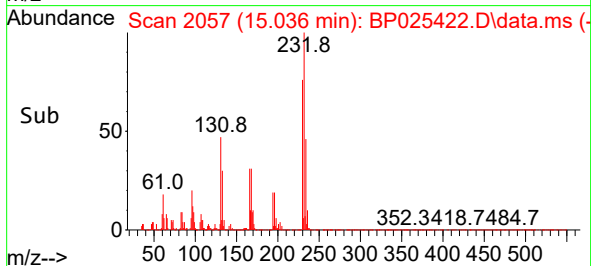
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



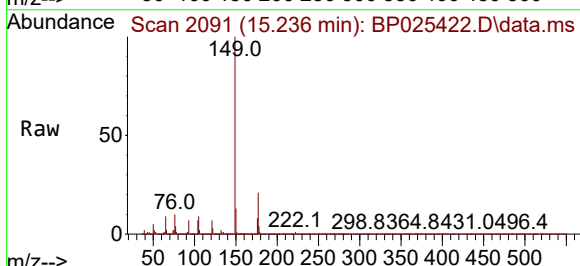
Tgt Ion:232 Resp: 34527
Ion Ratio Lower Upper
232 100
131 47.6 37.0 55.6
130 2.6 1.9 2.9
166 31.9 25.4 38.0

Manual Integrations
APPROVED

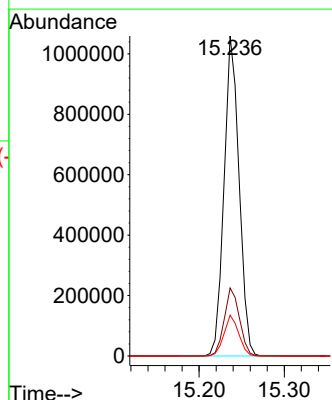
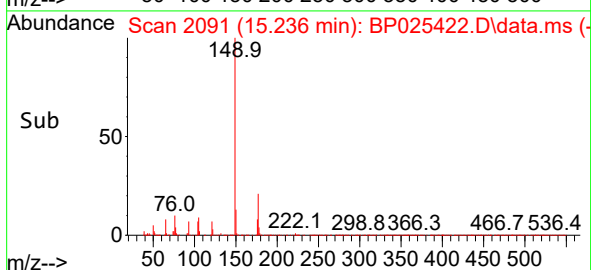
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

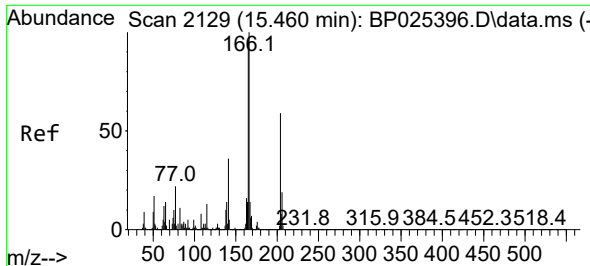


#60
Diethylphthalate
Concen: 38.058 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



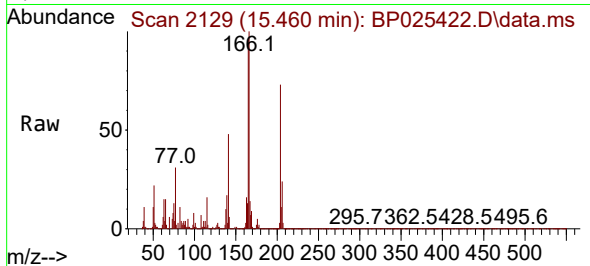
Tgt Ion:149 Resp: 1297841
Ion Ratio Lower Upper
149 100
177 21.3 17.3 25.9
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 36.845 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

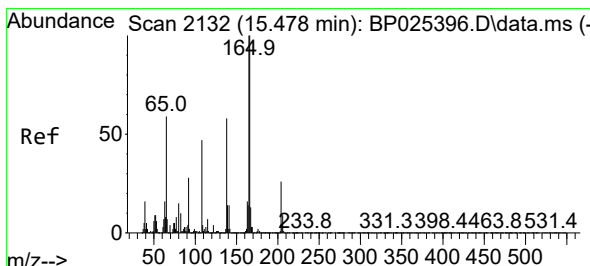
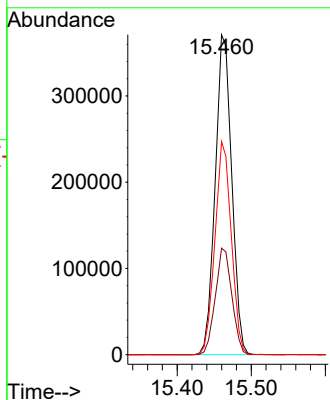
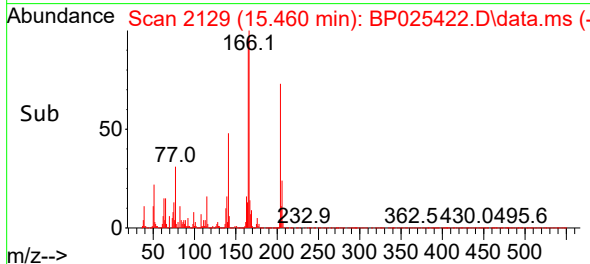
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



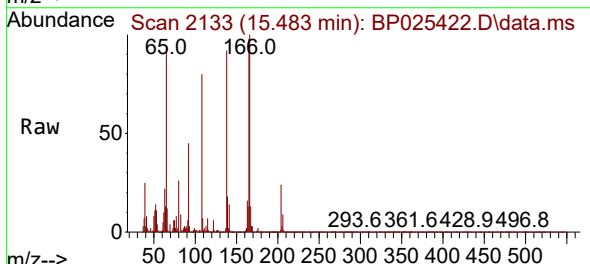
Tgt Ion:204 Resp: 575339
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.8
141 66.6 49.4 74.2

Manual Integrations
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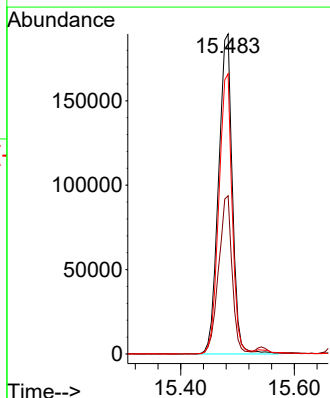
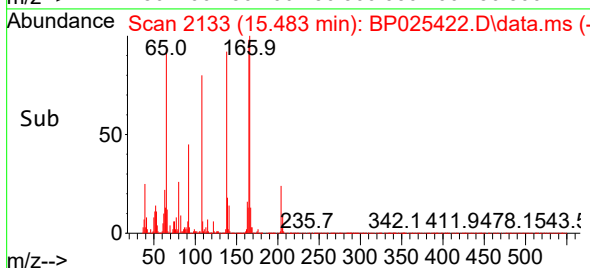
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

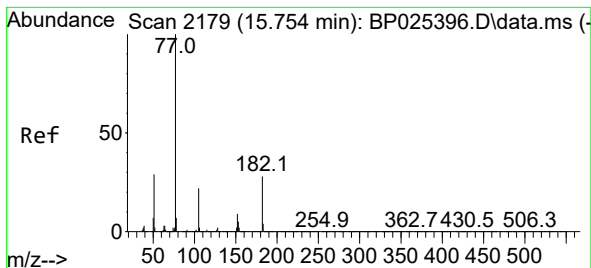


#62
4-Nitroaniline
Concen: 39.397 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



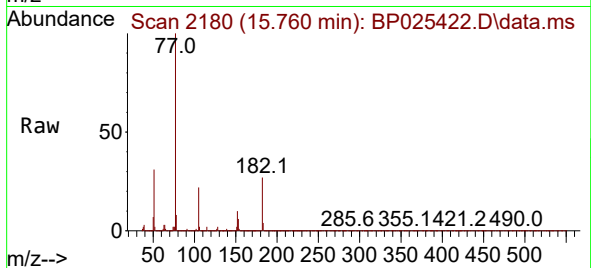
Tgt Ion:138 Resp: 321438
Ion Ratio Lower Upper
138 100
92 49.4 29.1 69.1
108 87.5 61.5 101.5





#63
Azobenzene
Concen: 39.282 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

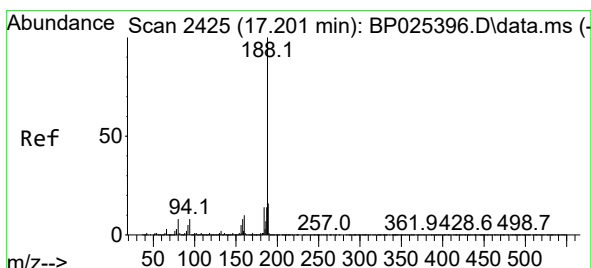
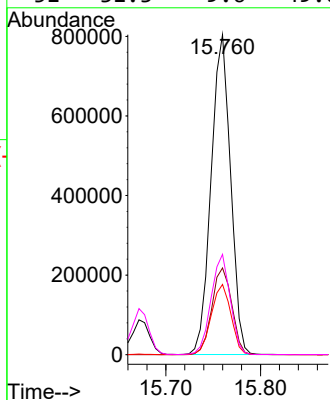
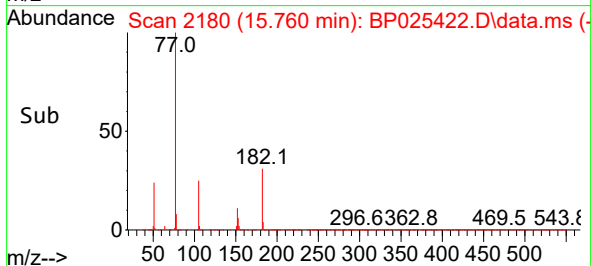
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



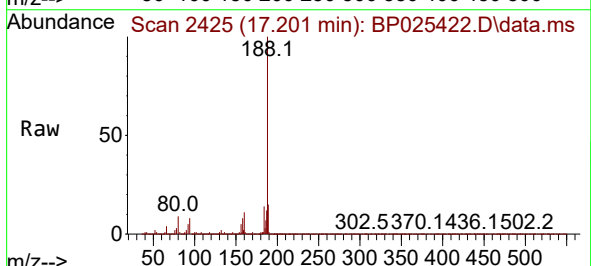
Tgt Ion: 77 Resp: 1147009
Ion Ratio Lower Upper
77 100
182 27.1 7.5 47.5
105 22.0 2.1 42.1
51 31.3 9.6 49.6

Manual Integrations
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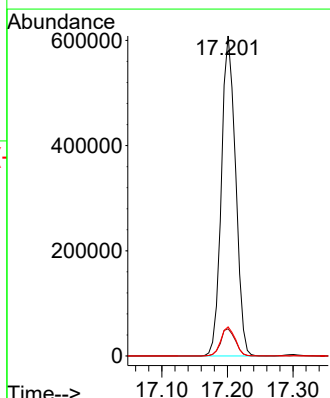
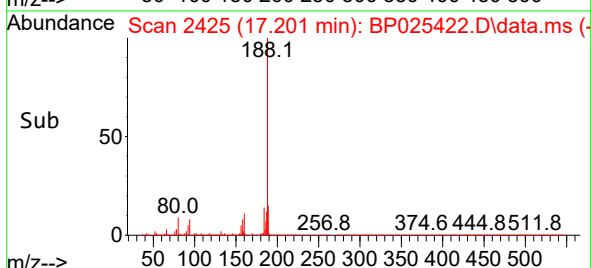
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

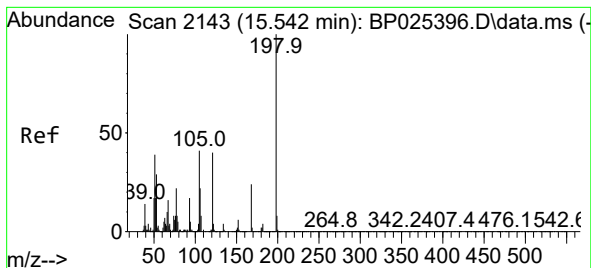


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



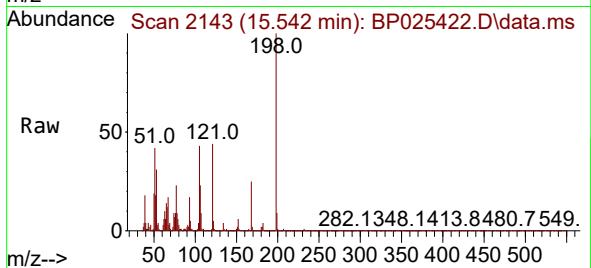
Tgt Ion:188 Resp: 913689
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.1 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 39.253 ng
RT: 15.542 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

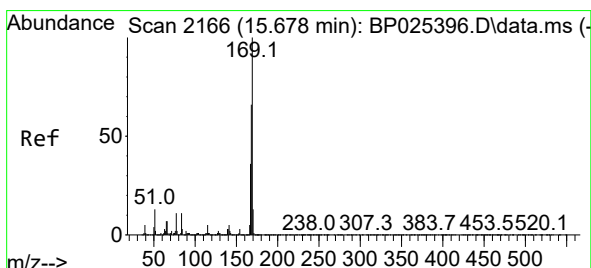
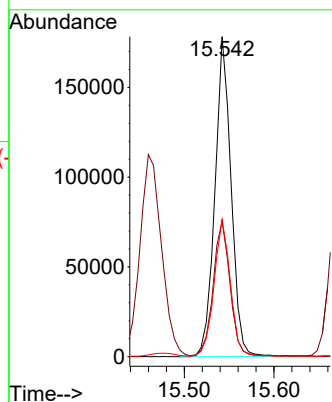
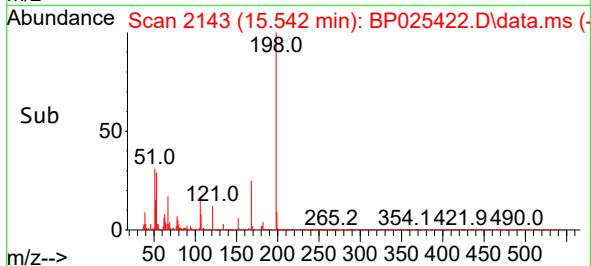
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:198 Resp: 223560
Ion Ratio Lower Upper
198 100
51 42.4 19.6 59.6
105 42.9 20.9 60.9

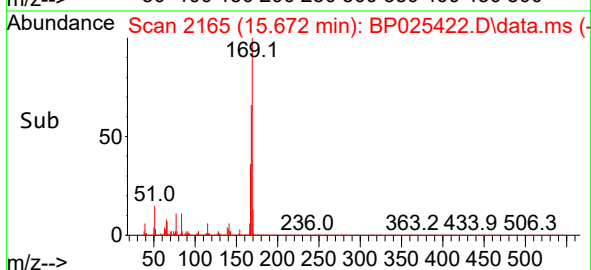
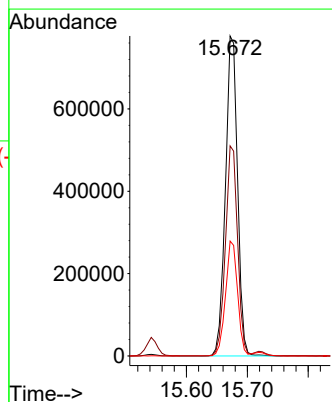
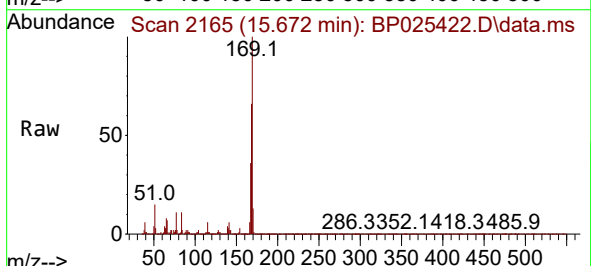
Manual Integrations
APPROVED

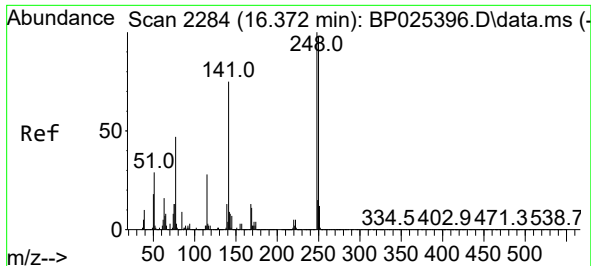
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#66
n-Nitrosodiphenylamine
Concen: 38.519 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:169 Resp: 1073233
Ion Ratio Lower Upper
169 100
168 65.7 53.2 79.8
167 35.9 28.7 43.1





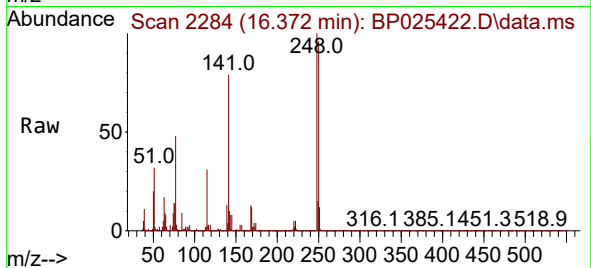
#67
4-Bromophenyl-phenylether
Concen: 38.195 ng
RT: 16.372 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

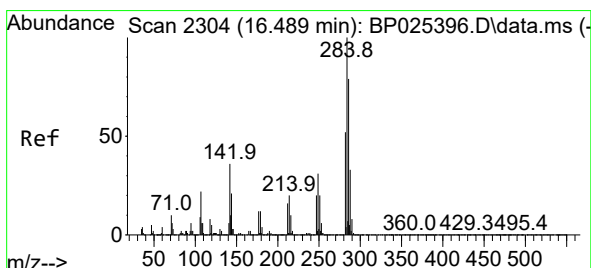
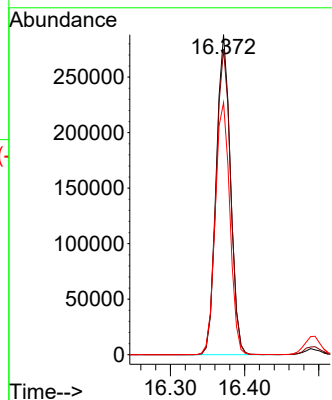
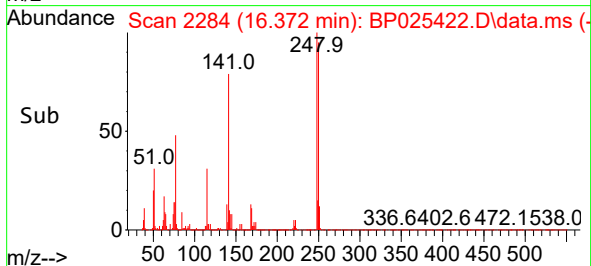


Tgt Ion:248 Resp: 383814
Ion Ratio Lower Upper
248 100
250 95.5 78.2 117.2
141 78.8 59.6 89.4

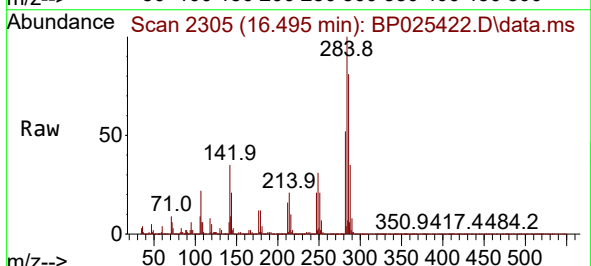
Manual Integrations
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Reviewed By :Rahul Chavli 08/18/2025

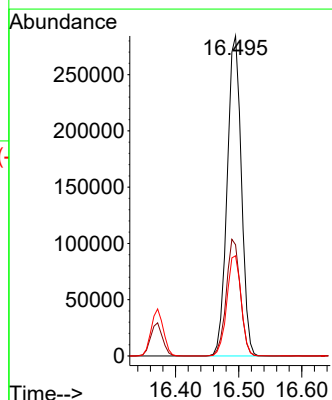
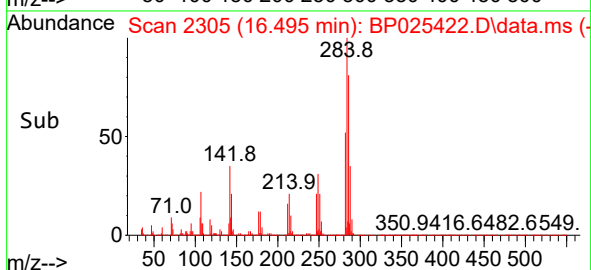
Supervised By :Jagrut Upadhyay 08/18/2025

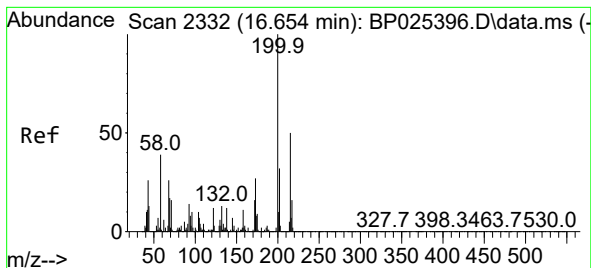


#68
Hexachlorobenzene
Concen: 37.966 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:284 Resp: 442250
Ion Ratio Lower Upper
284 100
142 34.8 29.1 43.7
249 31.3 25.0 37.4





#69

Atrazine

Concen: 37.872 ng

RT: 16.654 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 39516

Ion Ratio Lower Upper

200 100

173 26.3 6.7 46.7

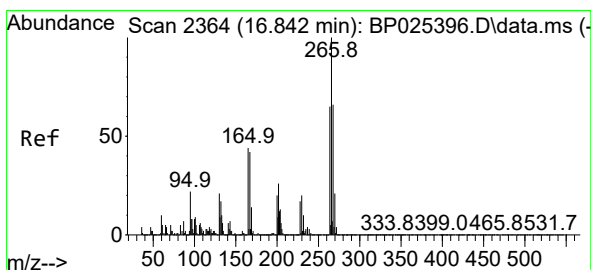
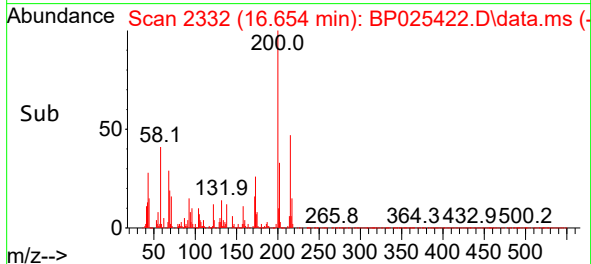
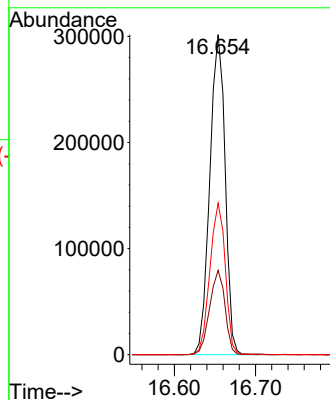
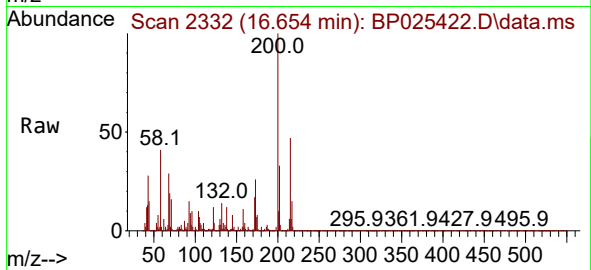
215 47.3 29.7 69.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#70

Pentachlorophenol

Concen: 40.681 ng

RT: 16.842 min Scan# 2364

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

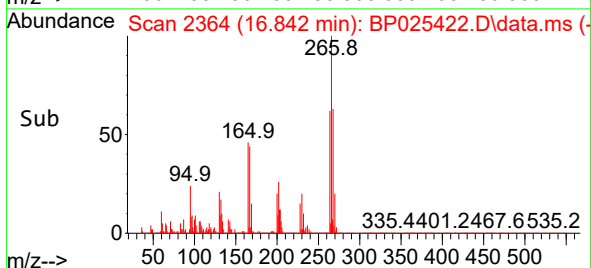
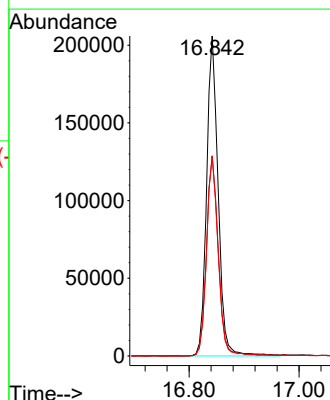
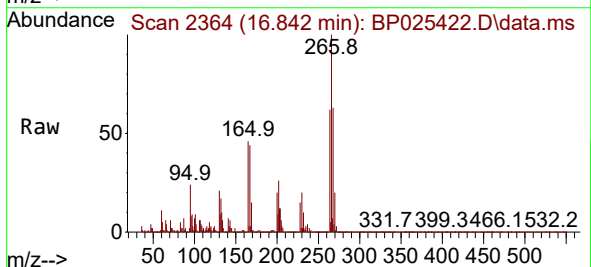
Tgt Ion:266 Resp: 299142

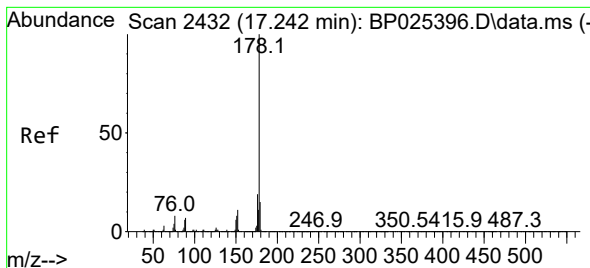
Ion Ratio Lower Upper

266 100

268 62.5 52.6 79.0

264 62.4 52.0 78.0





#71

Phenanthrene

Concen: 37.862 ng

RT: 17.248 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 1900372

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

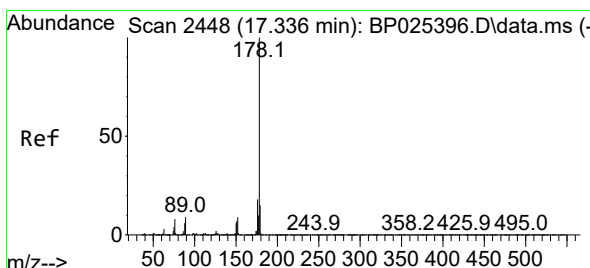
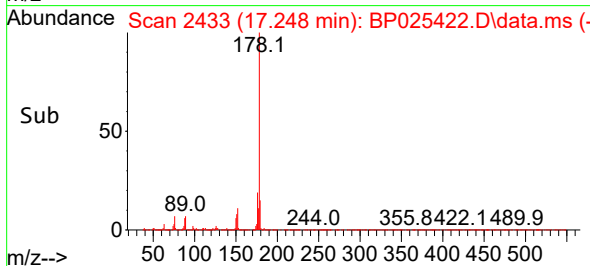
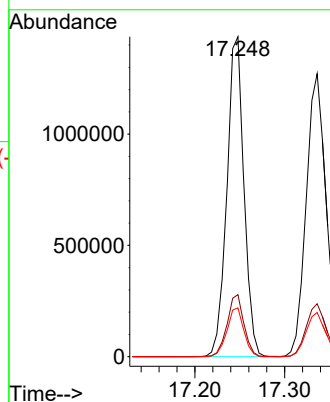
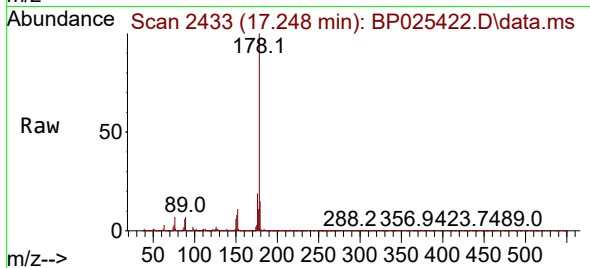
179 15.2 12.2 18.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#72

Anthracene

Concen: 38.117 ng

RT: 17.336 min Scan# 2448

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

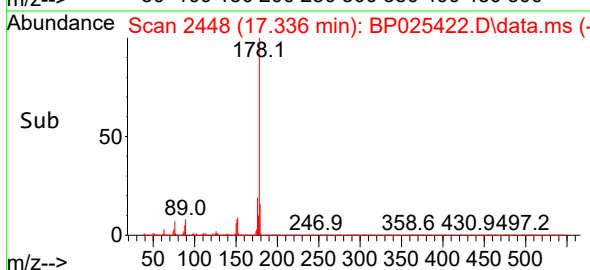
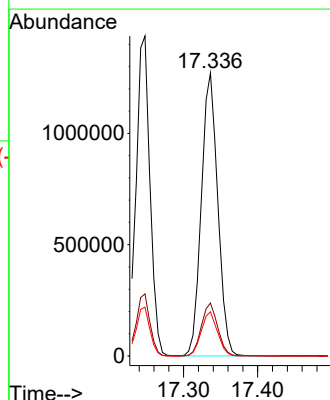
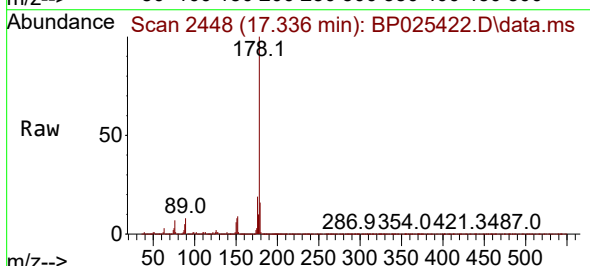
Tgt Ion:178 Resp: 1953735

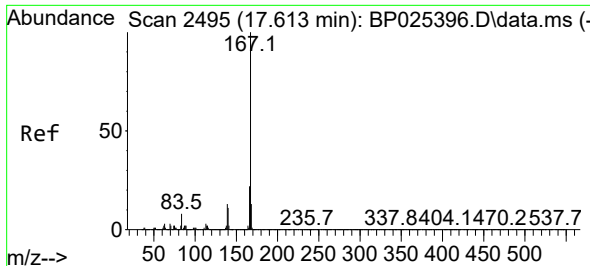
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

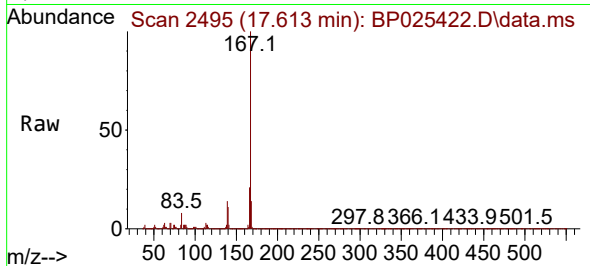
179 15.6 12.2 18.2





#73
 Carbazole
 Concen: 37.549 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

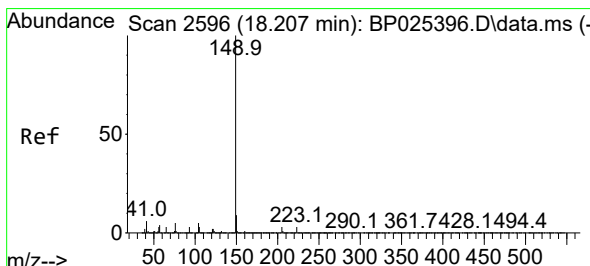
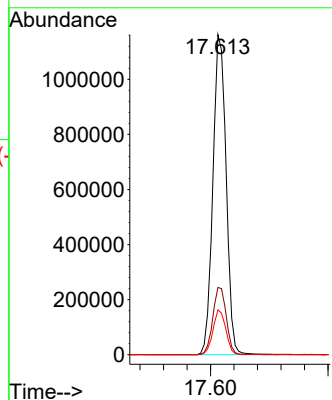
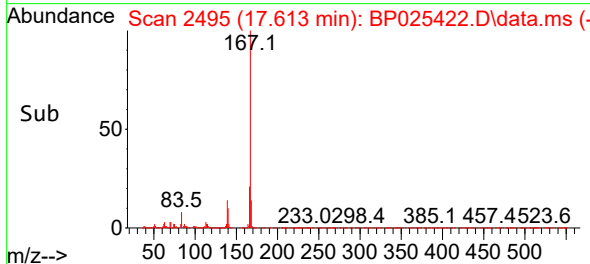
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040



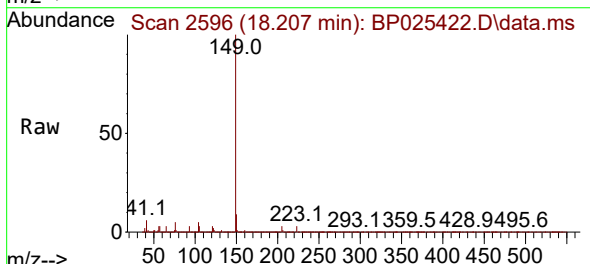
Tgt Ion:167 Resp: 1812820
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.5 26.3
 139 14.0 10.6 16.0

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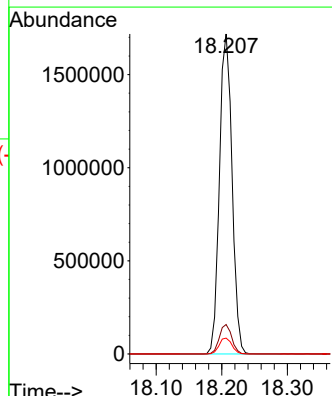
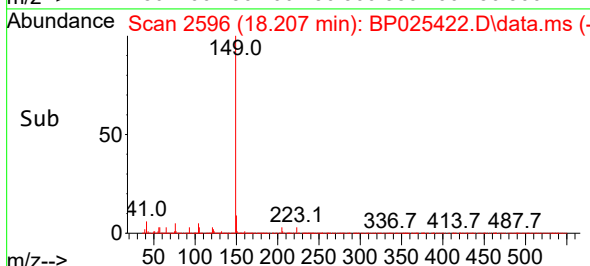
Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

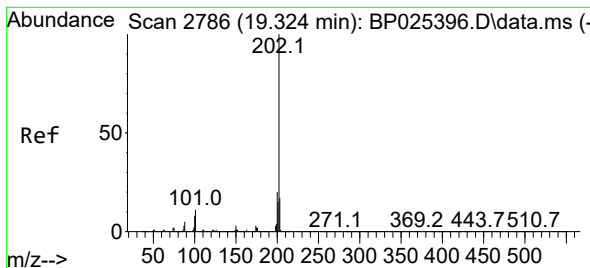


#74
 Di-n-butylphthalate
 Concen: 38.345 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36



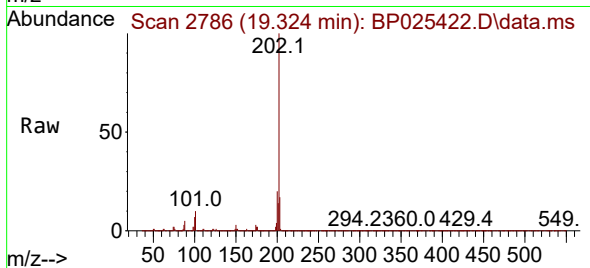
Tgt Ion:149 Resp: 2277638
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 4.9 4.2 6.2





#75
Fluoranthene
Concen: 37.721 ng
RT: 19.324 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

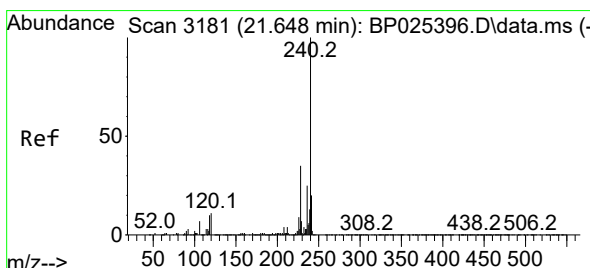
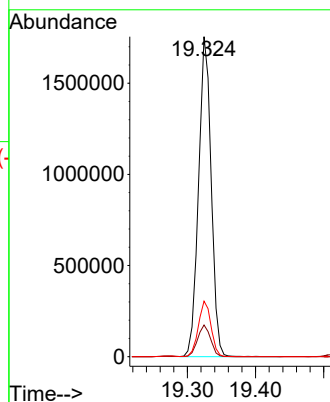
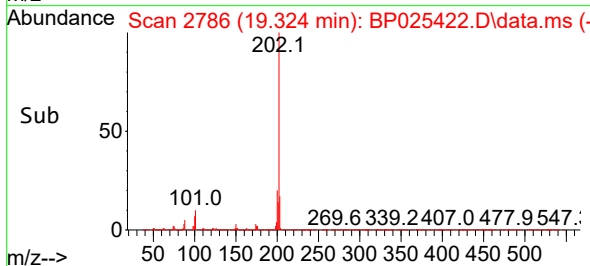
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 2258330
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.4 0.0 37.3

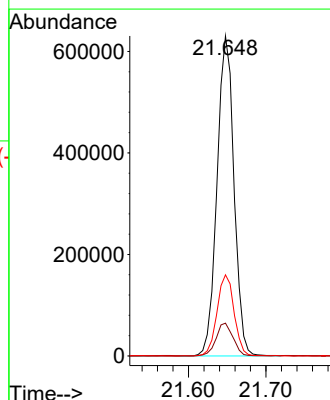
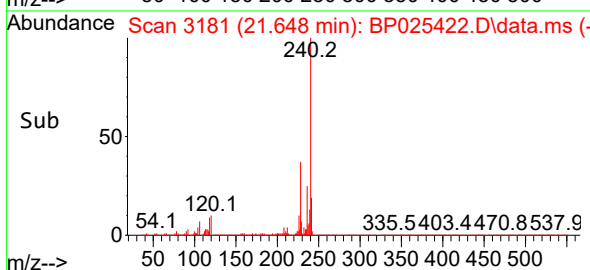
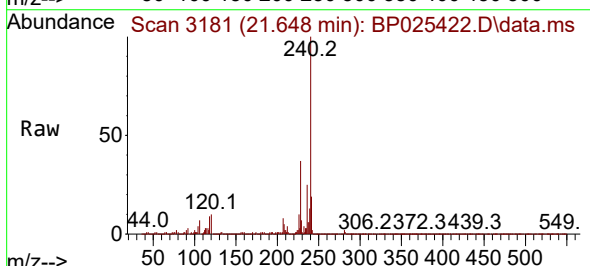
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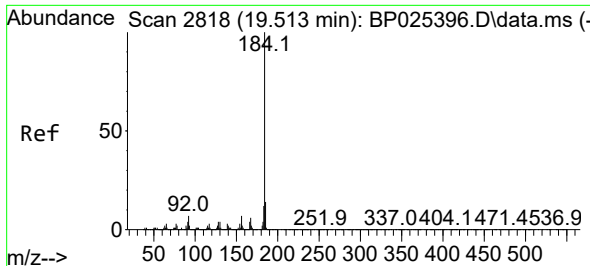
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

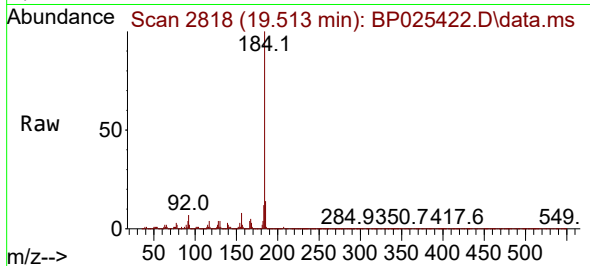
Tgt Ion:240 Resp: 958309
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.4 19.8 29.8





#77
Benzidine
Concen: 56.911 ng
RT: 19.513 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

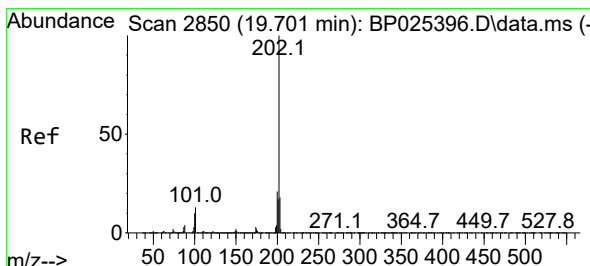
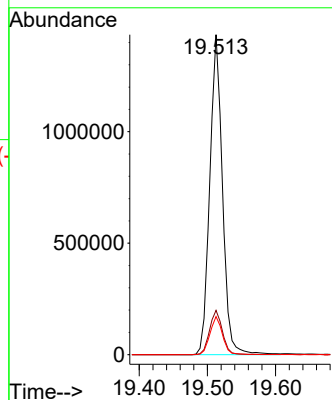
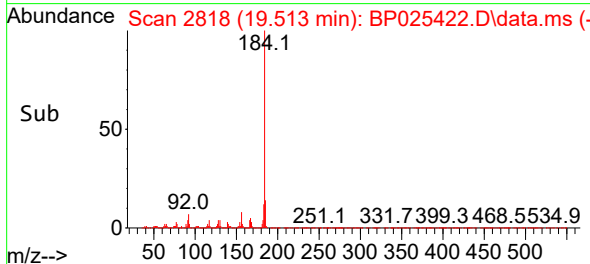
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



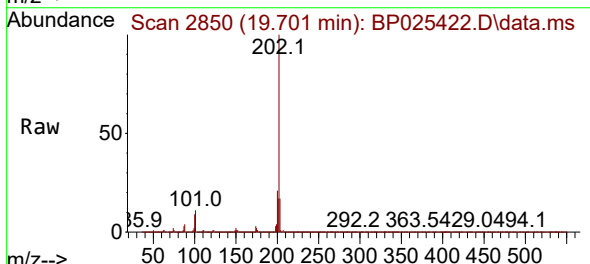
Tgt Ion:184 Resp: 1861268
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 11.9 9.4 14.2

Manual Integrations
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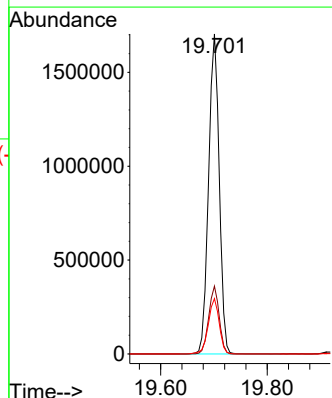
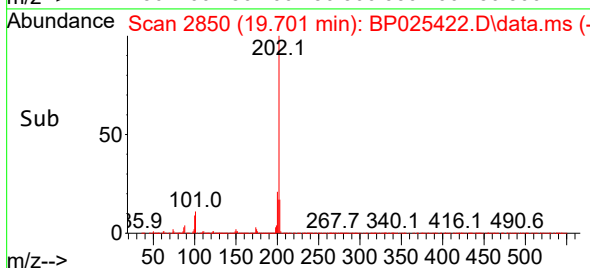
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

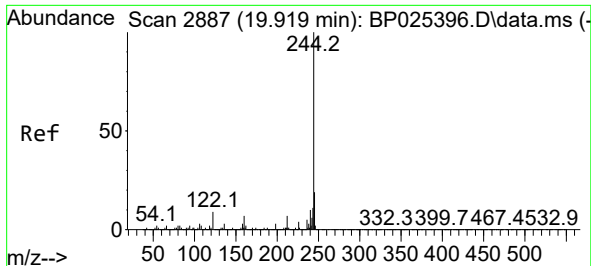


#78
Pyrene
Concen: 37.884 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



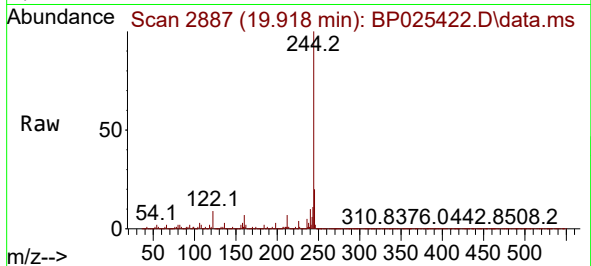
Tgt Ion:202 Resp: 2359709
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.3 14.2 21.2





#79
 Terphenyl-d14
 Concen: 75.070 ng
 RT: 19.918 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

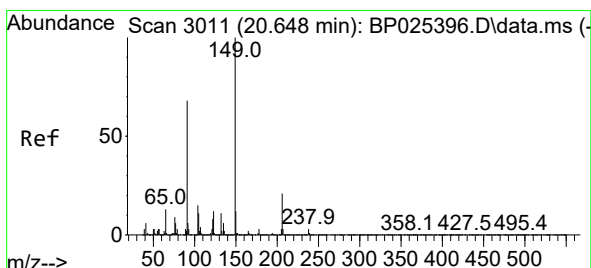
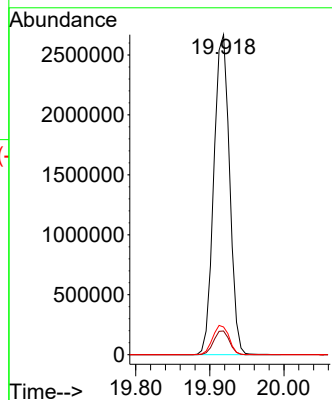
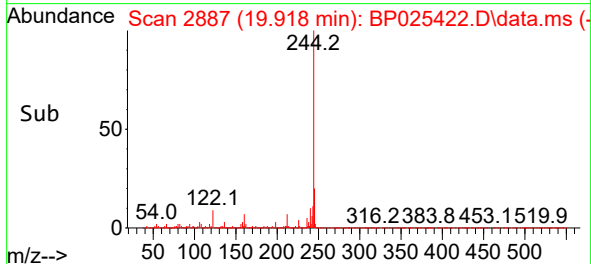
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040



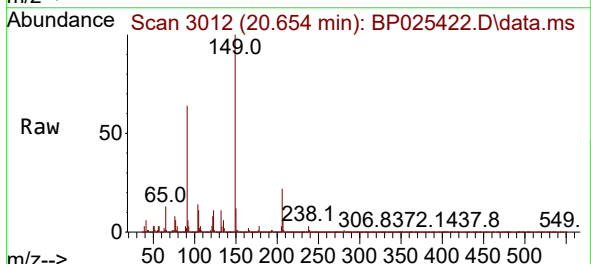
Tgt Ion:244 Resp: 393209
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 8.7 7.4 11.2

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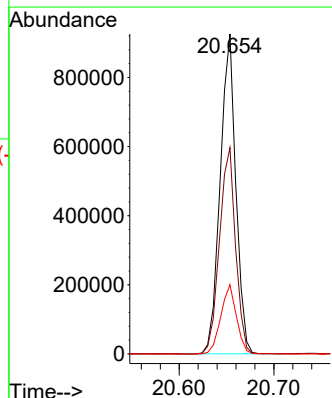
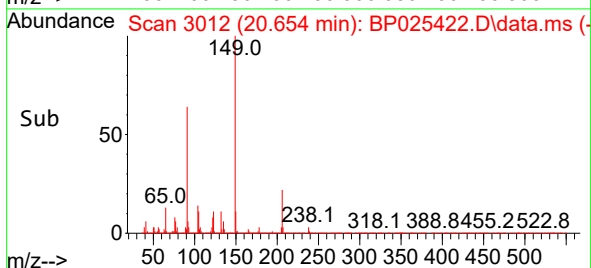
Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

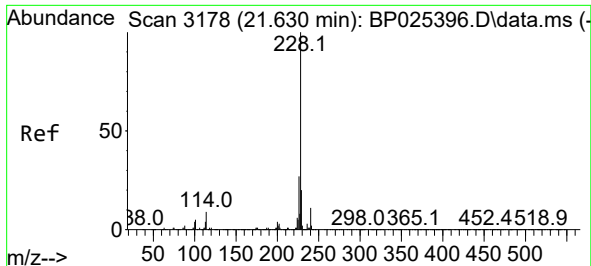


#80
 Butylbenzylphthalate
 Concen: 37.699 ng
 RT: 20.654 min Scan# 3012
 Delta R.T. 0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36



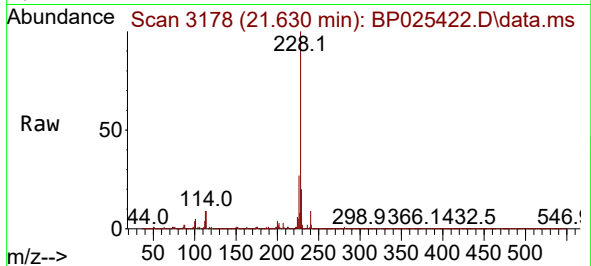
Tgt Ion:149 Resp: 1064206
 Ion Ratio Lower Upper
 149 100
 91 64.5 54.2 81.2
 206 21.7 16.6 24.8





#81
Benzo(a)anthracene
Concen: 37.816 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

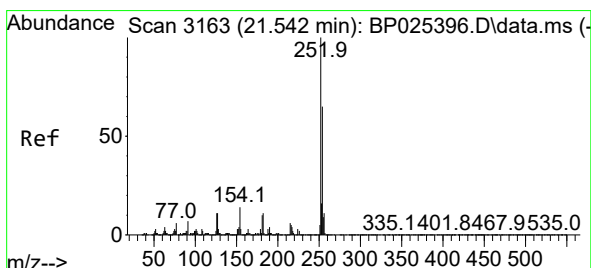
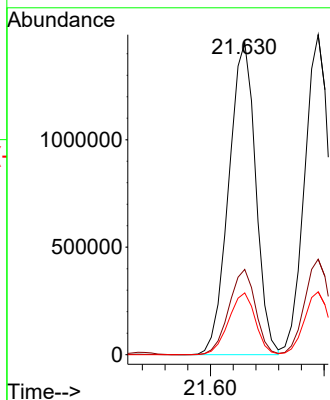
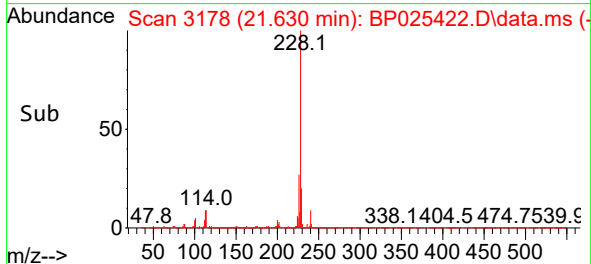
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



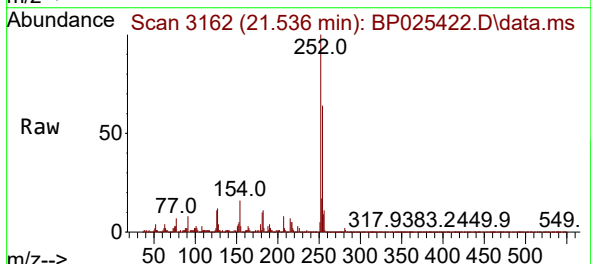
Tgt Ion:228 Resp: 2390024
Ion Ratio Lower Upper
228 100
226 27.3 21.7 32.5
229 19.8 15.6 23.4

Manual Integrations
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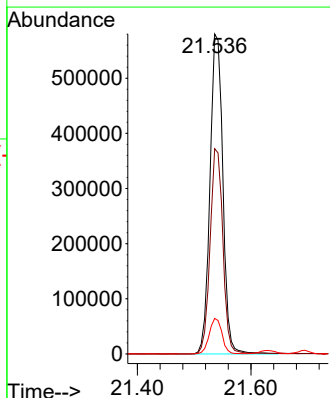
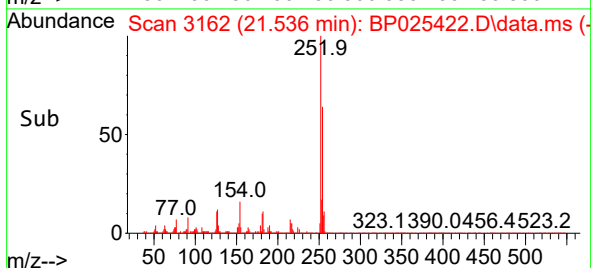
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

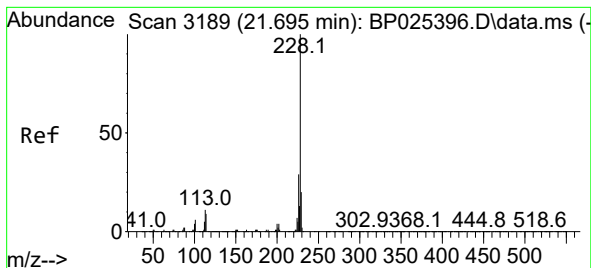


#82
3,3'-Dichlorobenzidine
Concen: 38.057 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:252 Resp: 906596
Ion Ratio Lower Upper
252 100
254 64.1 51.8 77.6
126 11.1 9.1 13.7





#83

Chrysene

Concen: 37.876 ng

RT: 21.695 min Scan# 3189

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 224179

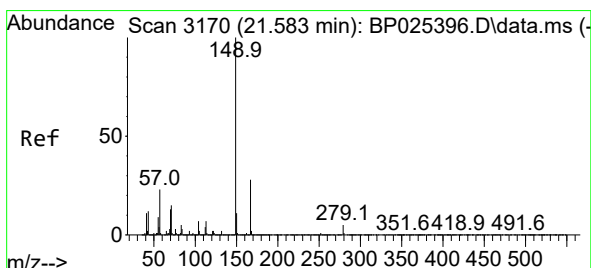
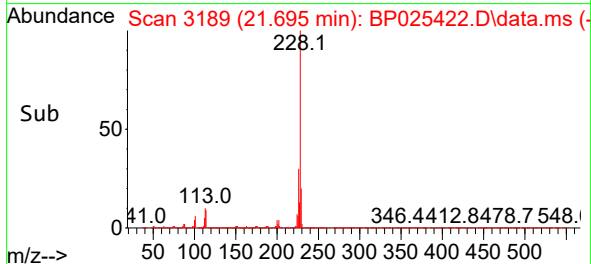
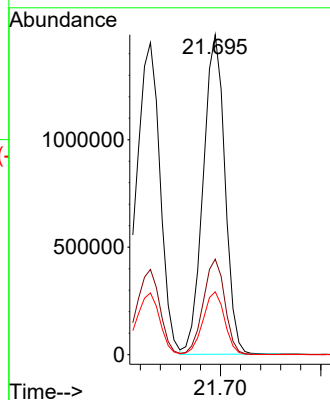
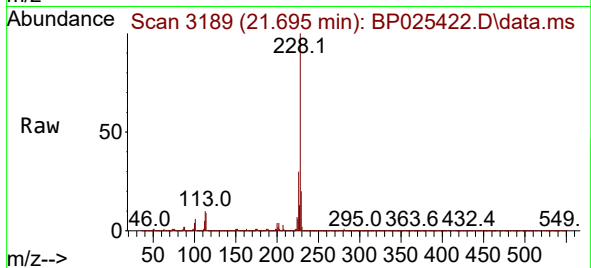
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	19.7	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.052 ng

RT: 21.571 min Scan# 3168

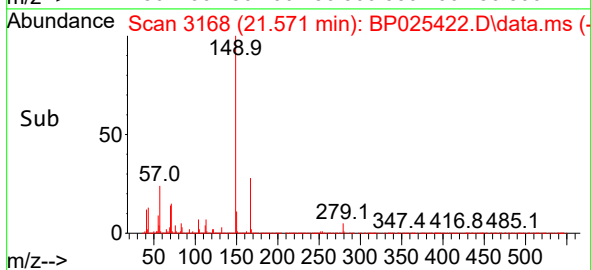
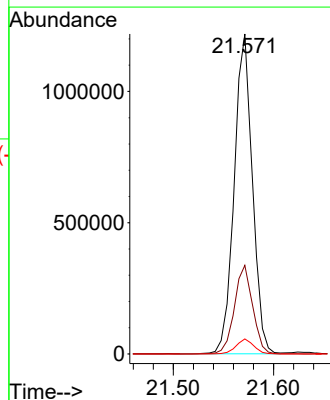
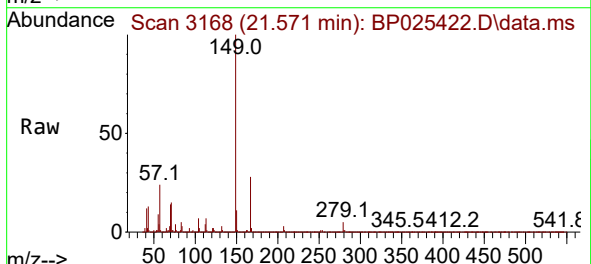
Delta R.T. -0.012 min

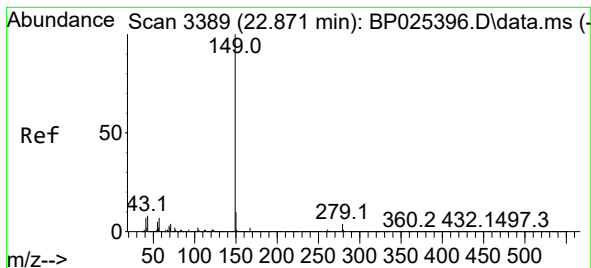
Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1539693

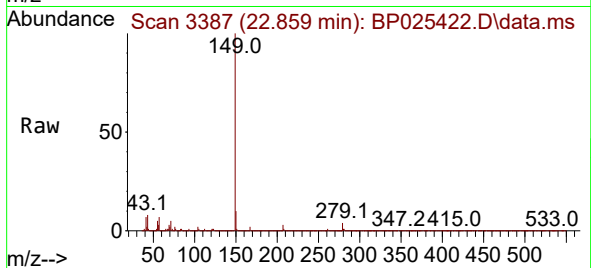
Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 37.018 ng
RT: 22.859 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

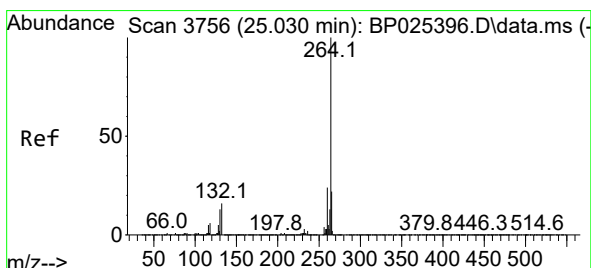
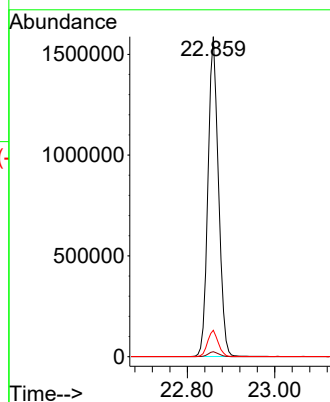
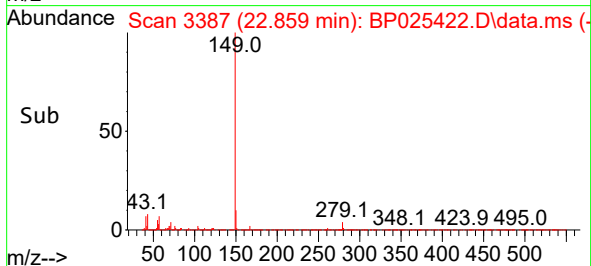
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



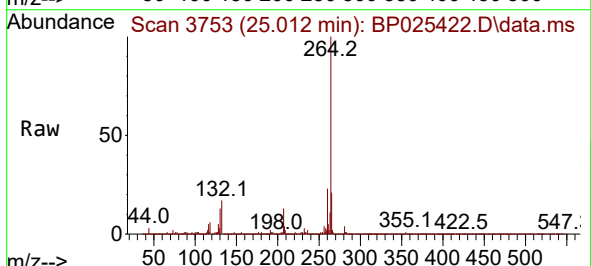
Tgt Ion:149 Resp: 264592
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 6.3 9.5

Manual Integrations
APPROVED

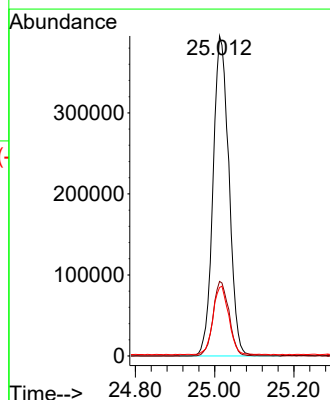
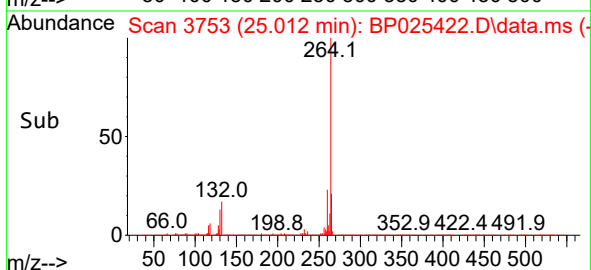
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

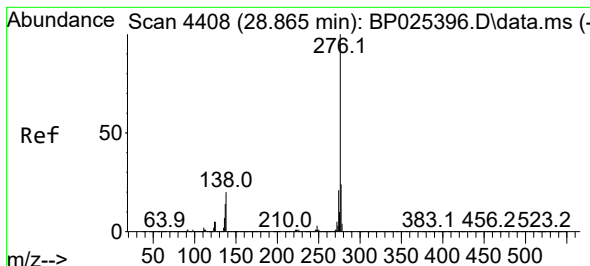


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:264 Resp: 1096861
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.082 ng

RT: 28.865 min Scan# 4408

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 314369

Ion Ratio Lower Upper

276 100

138 17.7 12.9 19.3

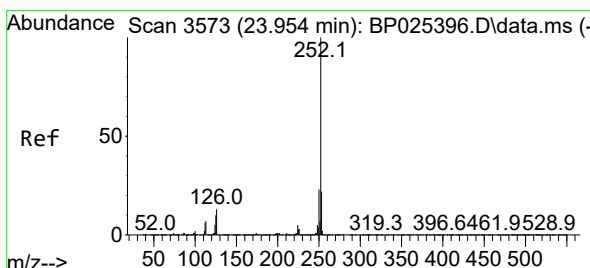
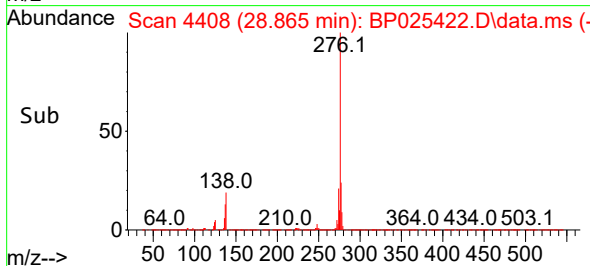
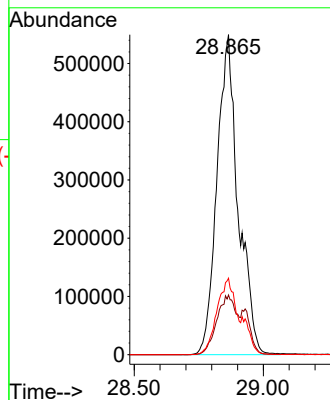
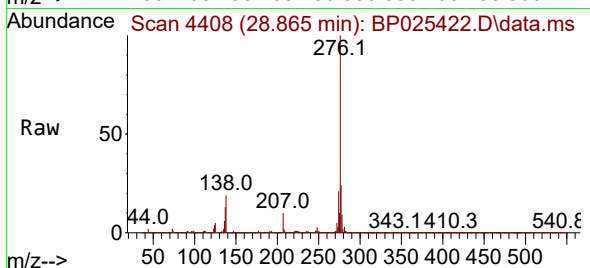
277 21.0 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#88

Benzo(b)fluoranthene

Concen: 38.843 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

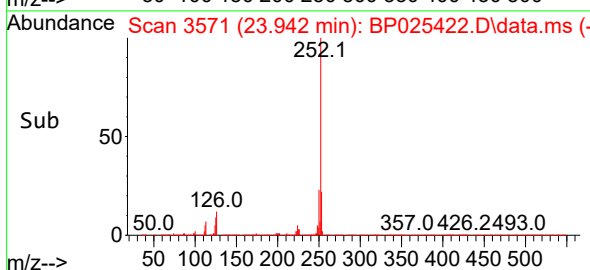
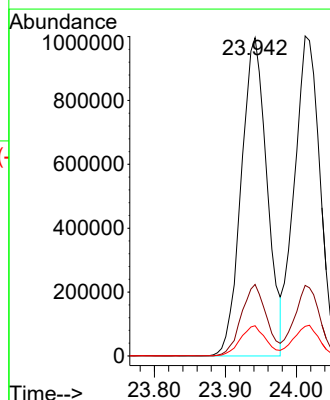
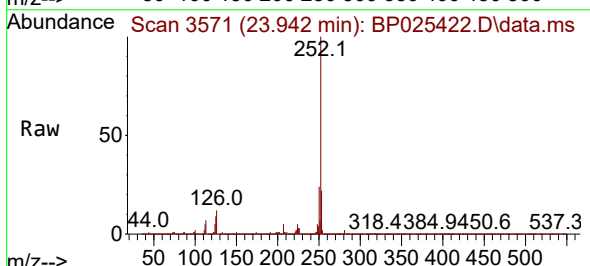
Tgt Ion:252 Resp: 2512340

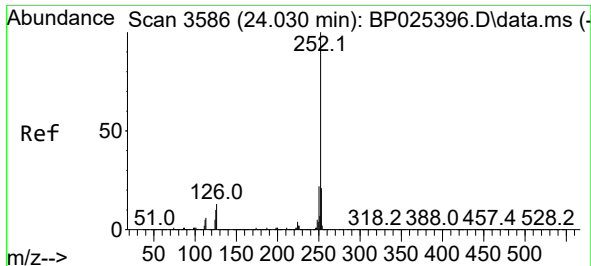
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

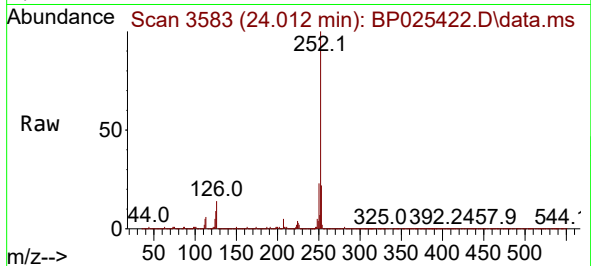
125 9.5 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 38.446 ng
RT: 24.012 min Scan# 3586
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

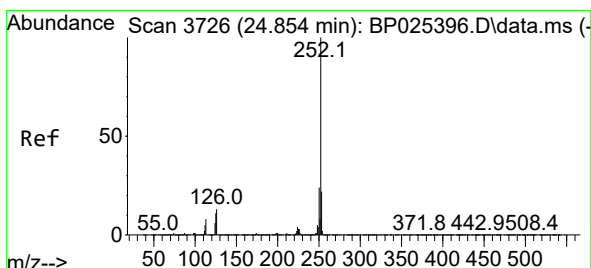
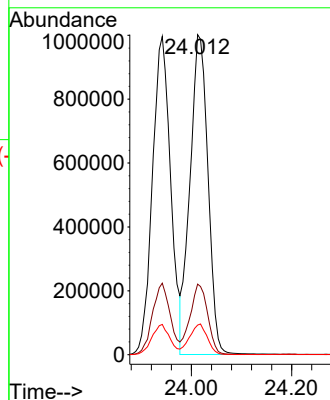
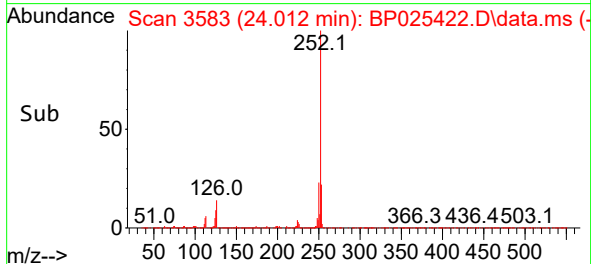
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



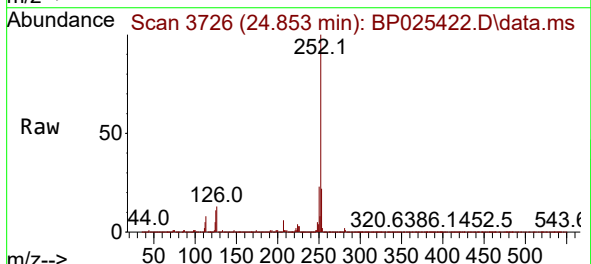
Tgt Ion:252 Resp: 248834
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 9.3 7.8 11.6

Manual Integrations
APPROVED

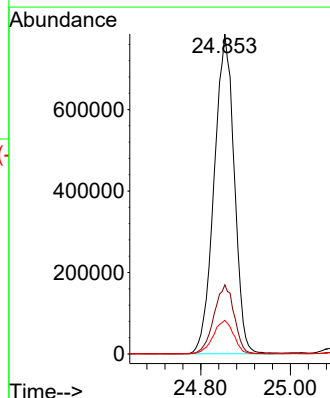
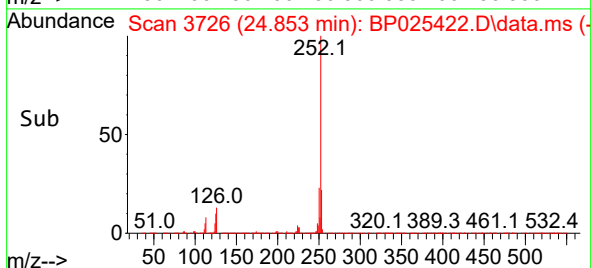
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

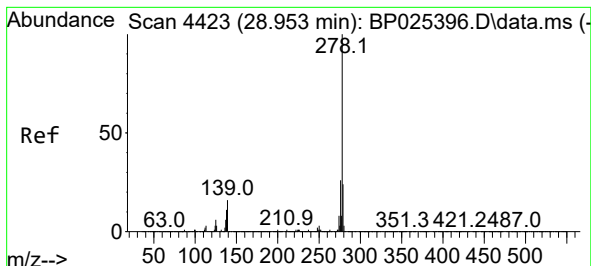


#90
Benzo(a)pyrene
Concen: 38.805 ng
RT: 24.853 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:252 Resp: 2443181
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 39.482 ng

RT: 28.930 min Scan# 4423

Delta R.T. -0.024 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 2595384

Ion Ratio Lower Upper

278 100

139 14.5 13.0 19.4

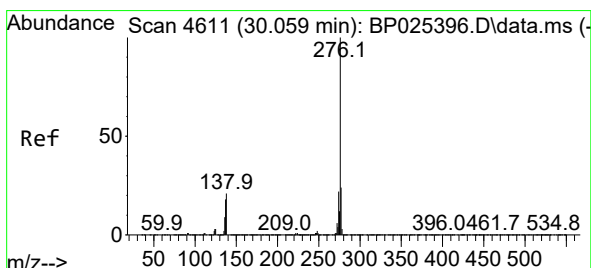
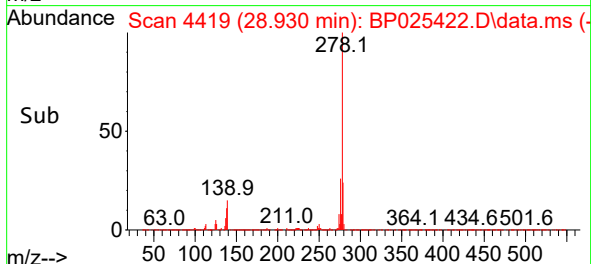
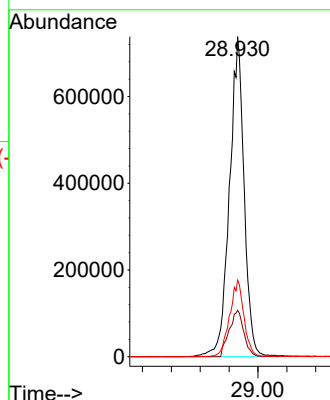
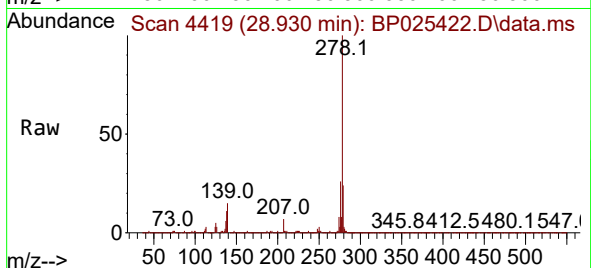
279 23.9 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#92

Benzo(g,h,i)perylene

Concen: 39.255 ng

RT: 30.012 min Scan# 4603

Delta R.T. -0.047 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

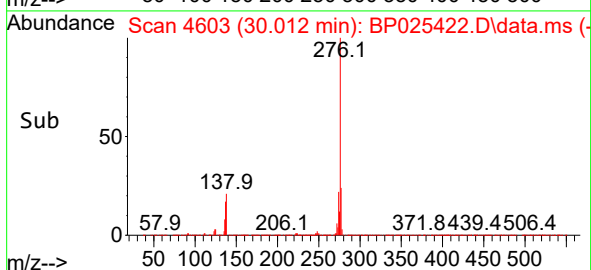
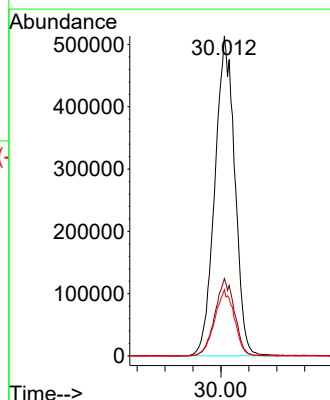
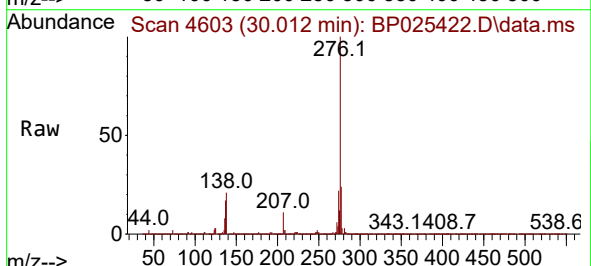
Tgt Ion:276 Resp: 2536518

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 20.7 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	1,4-Dioxane	0.472	0.440	6.8	102	0.00
3	Pyridine	1.291	1.243	3.7	105	0.00
4	n-Nitrosodimethylamine	0.532	0.550	-3.4	111	0.00
5 S	2-Fluorophenol	1.204	1.169	2.9	104	0.00
6	Aniline	2.080	2.076	0.2	106	0.00
7 S	Phenol-d6	1.544	1.519	1.6	104	0.00
8	2-Chlorophenol	1.359	1.343	1.2	106	0.00
9	Benzaldehyde	1.082	1.423	-31.5#	108	0.00
10 C	Phenol	1.620	1.590	1.9	104	0.00
11	bis(2-Chloroethyl)ether	1.263	1.245	1.4	105	0.00
12	1,3-Dichlorobenzene	1.499	1.479	1.3	106	0.00
13 C	1,4-Dichlorobenzene	1.532	1.481	3.3	104	-0.01
14	1,2-Dichlorobenzene	1.483	1.440	2.9	104	0.00
15	Benzyl Alcohol	1.227	1.233	-0.5	107	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.704	-0.7	109	0.00
17	2-Methylphenol	1.125	1.118	0.6	104	0.00
18	Hexachloroethane	0.563	0.557	1.1	106	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.005	1.8	105	0.00
20	3+4-Methylphenols	1.560	1.543	1.1	105	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22	Acetophenone	0.502	0.486	3.2	106	0.00
23 S	Nitrobenzene-d5	0.395	0.392	0.8	108	0.00
24	Nitrobenzene	0.353	0.352	0.3	108	0.00
25	Isophorone	0.700	0.671	4.1	105	0.00
26 C	2-Nitrophenol	0.181	0.179	1.1	104	0.00
27	2,4-Dimethylphenol	0.312	0.304	2.6	104	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.405	4.3	105	-0.01
29 C	2,4-Dichlorophenol	0.310	0.300	3.2	103	0.00
30	1,2,4-Trichlorobenzene	0.340	0.322	5.3	104	0.00
31	Naphthalene	1.040	0.996	4.2	105	0.00
32	Benzoic acid	0.230	0.217	5.7	101	0.00
33	4-Chloroaniline	0.459	0.450	2.0	105	0.00
34 C	Hexachlorobutadiene	0.211	0.204	3.3	105	0.00
35	Caprolactam	0.114	0.108	5.3	104	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.345	2.8	105	-0.01
37	2-Methylnaphthalene	0.676	0.646	4.4	104	0.00
38	1-Methylnaphthalene	0.719	0.673	6.4	103	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.559	3.3	104	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.352	-0.9	105	0.00
42 S	2,4,6-Tribromophenol	0.269	0.264	1.9	104	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.383	1.8	104	0.00
44	2,4,5-Trichlorophenol	0.427	0.424	0.7	104	0.00
45 S	2-Fluorobiphenyl	1.463	1.380	5.7	103	0.00
46	1,1'-Biphenyl	1.453	1.404	3.4	104	0.00
47	2-Chloronaphthalene	1.131	1.096	3.1	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.337	-2.4	106	0.00
49	Acenaphthylene	1.871	1.799	3.8	103	0.00
50	Dimethylphthalate	1.465	1.393	4.9	103	0.00
51	2,6-Dinitrotoluene	0.309	0.314	-1.6	105	0.00
52 C	Acenaphthene	1.098	1.035	5.7	103	0.00
53	3-Nitroaniline	0.347	0.348	-0.3	106	0.00
54 P	2,4-Dinitrophenol	0.165	0.164	0.6	104	0.00
55	Dibenzofuran	1.736	1.628	6.2	101	0.00
56 P	4-Nitrophenol	0.285	0.284	0.4	105	0.00
57	2,4-Dinitrotoluene	0.440	0.446	-1.4	106	0.00
58	Fluorene	1.370	1.272	7.2	101	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.377	0.0	106	0.00
60	Diethylphthalate	1.488	1.416	4.8	103	0.00
61	4-Chlorophenyl-phenylether	0.681	0.628	7.8	100	0.00
62	4-Nitroaniline	0.356	0.351	1.4	104	0.00
63	Azobenzene	1.274	1.251	1.8	105	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.122	2.4	103	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.587	3.8	103	0.00
67	4-Bromophenyl-phenylether	0.220	0.210	4.5	102	0.00
68	Hexachlorobenzene	0.255	0.242	5.1	103	0.00
69	Atrazine	0.228	0.216	5.3	102	0.00
70 C	Pentachlorophenol	0.161	0.164	-1.9	107	0.00
71	Phenanthrene	1.099	1.040	5.4	103	0.00
72	Anthracene	1.122	1.069	4.7	102	0.00
73	Carbazole	1.057	0.992	6.1	102	0.00
74	Di-n-butylphthalate	1.300	1.246	4.2	103	0.00
75 C	Fluoranthene	1.311	1.236	5.7	104	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77	Benzidine	0.683	0.971	-42.2#	107	0.00
78	Pyrene	1.300	1.231	5.3	103	0.00
79 S	Terphenyl-d14	1.093	1.026	6.1	105	0.00
80	Butylbenzylphthalate	0.589	0.555	5.8	102	0.00
81	Benzo(a)anthracene	1.319	1.247	5.5	105	0.00
82	3,3'-Dichlorobenzidine	0.497	0.473	4.8	103	0.00
83	Chrysene	1.235	1.170	5.3	105	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.803	7.4	103	-0.01
85 c	Di-n-octyl phthalate	1.492	1.381	7.4	102	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	107	-0.02
87	Indeno(1,2,3-cd)pyrene	1.467	1.433	2.3	109	0.00
88	Benzo(b)fluoranthene	1.179	1.145	2.9	108	-0.01
89	Benzo(k)fluoranthene	1.180	1.134	3.9	108	-0.02
90 C	Benzo(a)pyrene	1.148	1.114	3.0	108	0.00
91	Dibenzo(a,h)anthracene	1.199	1.183	1.3	110	-0.02
92	Benzo(g,h,i)perylene	1.178	1.156	1.9	109	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2	1,4-Dioxane	40.000	37.293	6.8	102	0.00
3	Pyridine	40.000	38.504	3.7	105	0.00
4	n-Nitrosodimethylamine	40.000	41.341	-3.4	111	0.00
5 S	2-Fluorophenol	80.000	77.682	2.9	104	0.00
6	Aniline	40.000	39.917	0.2	106	0.00
7 S	Phenol-d6	80.000	78.694	1.6	104	0.00
8	2-Chlorophenol	40.000	39.543	1.1	106	0.00
9	Benzaldehyde	40.000	52.616	-31.5#	108	0.00
10 C	Phenol	40.000	39.253	1.9	104	0.00
11	bis(2-Chloroethyl)ether	40.000	39.423	1.4	105	0.00
12	1,3-Dichlorobenzene	40.000	39.468	1.3	106	0.00
13 C	1,4-Dichlorobenzene	40.000	38.666	3.3	104	-0.01
14	1,2-Dichlorobenzene	40.000	38.837	2.9	104	0.00
15	Benzyl Alcohol	40.000	40.199	-0.5	107	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.282	-0.7	109	0.00
17	2-Methylphenol	40.000	39.752	0.6	104	0.00
18	Hexachloroethane	40.000	39.542	1.1	106	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.304	1.7	105	0.00
20	3+4-Methylphenols	40.000	39.561	1.1	105	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22	Acetophenone	40.000	38.792	3.0	106	0.00
23 S	Nitrobenzene-d5	80.000	79.367	0.8	108	0.00
24	Nitrobenzene	40.000	39.805	0.5	108	0.00
25	Isophorone	40.000	38.387	4.0	105	0.00
26 C	2-Nitrophenol	40.000	39.458	1.4	104	0.00
27	2,4-Dimethylphenol	40.000	39.018	2.5	104	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.258	4.4	105	-0.01
29 C	2,4-Dichlorophenol	40.000	38.724	3.2	103	0.00
30	1,2,4-Trichlorobenzene	40.000	37.921	5.2	104	0.00
31	Naphthalene	40.000	38.324	4.2	105	0.00
32	Benzoic acid	40.000	37.734	5.7	101	0.00
33	4-Chloroaniline	40.000	39.164	2.1	105	0.00
34 C	Hexachlorobutadiene	40.000	38.652	3.4	105	0.00
35	Caprolactam	40.000	37.951	5.1	104	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.840	2.9	105	-0.01
37	2-Methylnaphthalene	40.000	38.190	4.5	104	0.00
38	1-Methylnaphthalene	40.000	37.439	6.4	103	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.717	3.2	104	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.319	-0.8	105	0.00
42 S	2,4,6-Tribromophenol	80.000	78.381	2.0	104	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.291	1.8	104	0.00
44	2,4,5-Trichlorophenol	40.000	39.656	0.9	104	0.00
45 S	2-Fluorobiphenyl	80.000	75.449	5.7	103	0.00
46	1,1'-Biphenyl	40.000	38.672	3.3	104	0.00
47	2-Chloronaphthalene	40.000	38.780	3.0	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025422.D
 Acq On : 15 Aug 2025 10:36
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.910	-2.3	106	0.00
49	Acenaphthylene	40.000	38.457	3.9	103	0.00
50	Dimethylphthalate	40.000	38.040	4.9	103	0.00
51	2,6-Dinitrotoluene	40.000	40.628	-1.6	105	0.00
52 C	Acenaphthene	40.000	37.707	5.7	103	0.00
53	3-Nitroaniline	40.000	40.043	-0.1	106	0.00
54 P	2,4-Dinitrophenol	40.000	39.794	0.5	104	0.00
55	Dibenzofuran	40.000	37.495	6.3	101	0.00
56 P	4-Nitrophenol	40.000	39.771	0.6	105	0.00
57	2,4-Dinitrotoluene	40.000	40.518	-1.3	106	0.00
58	Fluorene	40.000	37.121	7.2	101	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.927	0.2	106	0.00
60	Diethylphthalate	40.000	38.058	4.9	103	0.00
61	4-Chlorophenyl-phenylether	40.000	36.845	7.9	100	0.00
62	4-Nitroaniline	40.000	39.397	1.5	104	0.00
63	Azobenzene	40.000	39.282	1.8	105	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.253	1.9	103	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.519	3.7	103	0.00
67	4-Bromophenyl-phenylether	40.000	38.195	4.5	102	0.00
68	Hexachlorobenzene	40.000	37.966	5.1	103	0.00
69	Atrazine	40.000	37.872	5.3	102	0.00
70 C	Pentachlorophenol	40.000	40.681	-1.7	107	0.00
71	Phenanthrene	40.000	37.862	5.3	103	0.00
72	Anthracene	40.000	38.117	4.7	102	0.00
73	Carbazole	40.000	37.549	6.1	102	0.00
74	Di-n-butylphthalate	40.000	38.345	4.1	103	0.00
75 C	Fluoranthene	40.000	37.721	5.7	104	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77	Benzydine	40.000	56.911	-42.3#	107	0.00
78	Pyrene	40.000	37.884	5.3	103	0.00
79 S	Terphenyl-d14	80.000	75.070	6.2	105	0.00
80	Butylbenzylphthalate	40.000	37.699	5.8	102	0.00
81	Benzo(a)anthracene	40.000	37.816	5.5	105	0.00
82	3,3'-Dichlorobenzidine	40.000	38.057	4.9	103	0.00
83	Chrysene	40.000	37.876	5.3	105	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.052	7.4	103	-0.01
85 c	Di-n-octyl phthalate	40.000	37.018	7.5	102	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	107	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	39.082	2.3	109	0.00
88	Benzo(b)fluoranthene	40.000	38.843	2.9	108	-0.01
89	Benzo(k)fluoranthene	40.000	38.446	3.9	108	-0.02
90 C	Benzo(a)pyrene	40.000	38.805	3.0	108	0.00
91	Dibenzo(a,h)anthracene	40.000	39.482	1.3	110	-0.02
92	Benzo(g,h,i)perylene	40.000	39.255	1.9	109	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/15/2025 21:03</u>
Lab File ID:	<u>BP025436.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.297		7.7	50.0
Benzaldehyde	1.082	1.315		21.5	50.0
Phenol-d6	1.544	1.709		10.7	50.0
Phenol	1.620	1.777		9.7	50.0
bis(2-Chloroethyl)ether	1.263	1.365		8.1	50.0
2-Chlorophenol	1.359	1.491		9.7	50.0
2-Methylphenol	1.125	1.247		10.8	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.910		12.9	50.0
Acetophenone	0.502	0.537		7.0	50.0
3+4-Methylphenols	1.560	1.699		8.9	50.0
n-Nitroso-di-n-propylamine	1.023	1.110	0.050	8.5	50.0
Nitrobenzene-d5	0.395	0.431		9.1	50.0
Hexachloroethane	0.563	0.621		10.3	50.0
Nitrobenzene	0.353	0.388		9.9	50.0
Isophorone	0.700	0.727		3.9	50.0
2-Nitrophenol	0.181	0.199		9.9	50.0
2,4-Dimethylphenol	0.312	0.339		8.7	50.0
bis(2-Chloroethoxy)methane	0.423	0.448		5.9	50.0
2,4-Dichlorophenol	0.310	0.343		10.6	50.0
Naphthalene	1.040	1.097		5.5	50.0
4-Chloroaniline	0.459	0.488		6.3	50.0
Hexachlorobutadiene	0.211	0.230		9.0	50.0
Caprolactam	0.114	0.118		3.5	50.0
4-Chloro-3-methylphenol	0.355	0.379		6.8	50.0
2-Methylnaphthalene	0.676	0.710		5.0	50.0
Hexachlorocyclopentadiene	0.349	0.323	0.050	-7.4	50.0
2,4,6-Trichlorophenol	0.390	0.436		11.8	50.0
2-Fluorobiphenyl	1.463	1.527		4.4	50.0
2,4,5-Trichlorophenol	0.427	0.482		12.9	50.0
1,1-Biphenyl	1.453	1.590		9.4	50.0
2-Chloronaphthalene	1.131	1.227		8.5	50.0
2-Nitroaniline	0.329	0.382		16.1	50.0
Dimethylphthalate	1.465	1.593		8.7	50.0
Acenaphthylene	1.871	2.004		7.1	50.0
2,6-Dinitrotoluene	0.309	0.349		12.9	50.0
3-Nitroaniline	0.347	0.390		12.4	50.0
Acenaphthene	1.098	1.169		6.5	50.0
2,4-Dinitrophenol	0.165	0.134	0.050	-18.8	50.0
4-Nitrophenol	0.285	0.324	0.050	13.7	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/15/2025</u> <u>21:03</u>
Lab File ID:	<u>BP025436.D</u>	Init. Calib. Date(s):	<u>08/14/2025</u> <u>08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>12:33</u> <u>17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.849		6.5	50.0
2,4-Dinitrotoluene	0.440	0.498		13.2	50.0
Diethylphthalate	1.488	1.607		8.0	50.0
4-Chlorophenyl-phenylether	0.681	0.703		3.2	50.0
Fluorene	1.370	1.410		2.9	50.0
4-Nitroaniline	0.356	0.384		7.9	50.0
4,6-Dinitro-2-methylphenol	0.125	0.110		-12.0	50.0
n-Nitrosodiphenylamine	0.610	0.659		8.0	50.0
2,4,6-Tribromophenol	0.269	0.298		10.8	50.0
4-Bromophenyl-phenylether	0.220	0.242		10.0	50.0
Hexachlorobenzene	0.255	0.272		6.7	50.0
Atrazine	0.228	0.250		9.6	50.0
Pentachlorophenol	0.161	0.178		10.6	50.0
Phenanthrene	1.099	1.162		5.7	50.0
Anthracene	1.122	1.203		7.2	50.0
Carbazole	1.057	1.128		6.7	50.0
Di-n-butylphthalate	1.300	1.420		9.2	50.0
Fluoranthene	1.311	1.374		4.8	50.0
Pyrene	1.300	1.403		7.9	50.0
Terphenyl-d14	1.093	1.170		7.0	50.0
Butylbenzylphthalate	0.589	0.673		14.3	50.0
3,3-Dichlorobenzidine	0.497	0.550		10.7	50.0
Benzo (a) anthracene	1.319	1.407		6.7	50.0
Chrysene	1.235	1.321		7.0	50.0
Bis (2-ethylhexyl) phthalate	0.867	0.965		11.3	50.0
Di-n-octyl phthalate	1.492	1.681		12.7	50.0
Benzo (b) fluoranthene	1.179	1.283		8.8	50.0
Benzo (k) fluoranthene	1.180	1.265		7.2	50.0
Benzo (a) pyrene	1.148	1.241		8.1	50.0
Indeno (1,2,3-cd) pyrene	1.467	1.559		6.3	50.0
Dibenzo (a,h) anthracene	1.199	1.285		7.2	50.0
Benzo (g,h,i) perylene	1.178	1.259		6.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.633		9.5	50.0
1,4-Dioxane	0.472	0.484		2.5	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.417		10.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025436.D
 Acq On : 15 Aug 2025 21:03
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 18 01:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	166135	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	710479	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	456766	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	916670	20.000	ng	0.00
76) Chrysene-d12	21.630	240	933454	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1056853	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	862200	86.186	ng	0.00
7) Phenol-d6	6.967	99	1135967	88.568	ng	0.00
23) Nitrobenzene-d5	8.931	82	1224664	87.195	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	544037	88.488	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2790655	83.499	ng	0.00
79) Terphenyl-d14	19.913	244	4367516	85.603	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	160658	41.000	ng	98
3) Pyridine	3.725	79	439304	40.960	ng	94
4) n-Nitrosodimethylamine	3.637	42	200626	45.373	ng	96
6) Aniline	7.125	93	757650	43.843	ng	99
8) 2-Chlorophenol	7.367	128	495342	43.878	ng	99
9) Benzaldehyde	6.937	77	437036	48.635	ng	98
10) Phenol	6.996	94	590307	43.862	ng	98
11) bis(2-Chloroethyl)ether	7.214	93	453562	43.239	ng	99
12) 1,3-Dichlorobenzene	7.684	146	543009	43.622	ng	99
13) 1,4-Dichlorobenzene	7.825	146	546465	42.950	ng	99
14) 1,2-Dichlorobenzene	8.137	146	530443	43.069	ng	97
15) Benzyl Alcohol	8.025	79	454736	44.621	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.308	45	634562	45.158	ng	99
17) 2-Methylphenol	8.219	107	414498	44.345	ng	98
18) Hexachloroethane	8.861	117	206177	44.074	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	368678	43.396	ng	98
20) 3+4-Methylphenols	8.543	107	564553	43.573	ng	97
22) Acetophenone	8.596	105	762747	42.809	ng	# 98
24) Nitrobenzene	8.972	77	551258	43.917	ng	100
25) Isophorone	9.496	82	1033357	41.573	ng	98
26) 2-Nitrophenol	9.672	139	283328	43.982	ng	100
27) 2,4-Dimethylphenol	9.737	122	481271	43.443	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	637027	42.398	ng	99
29) 2,4-Dichlorophenol	10.208	162	486914	44.245	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	515873	42.762	ng	98
31) Naphthalene	10.613	128	1558976	42.217	ng	99
32) Benzoic acid	9.878	122	346284	42.339	ng	94
33) 4-Chloroaniline	10.713	127	693770	42.532	ng	99
34) Hexachlorobutadiene	10.902	225	326490	43.456	ng	99
35) Caprolactam	11.496	113	167685	41.554	ng	98
36) 4-Chloro-3-methylphenol	11.831	107	539188	42.698	ng	96
37) 2-Methylnaphthalene	12.207	142	1008537	41.968	ng	98
38) 1-Methylnaphthalene	12.431	142	1057345	41.373	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	577904	43.807	ng	99
41) Hexachlorocyclopentadiene	12.566	237	295524	37.087	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	398621	44.759	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025436.D
 Acq On : 15 Aug 2025 21:03
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 18 01:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

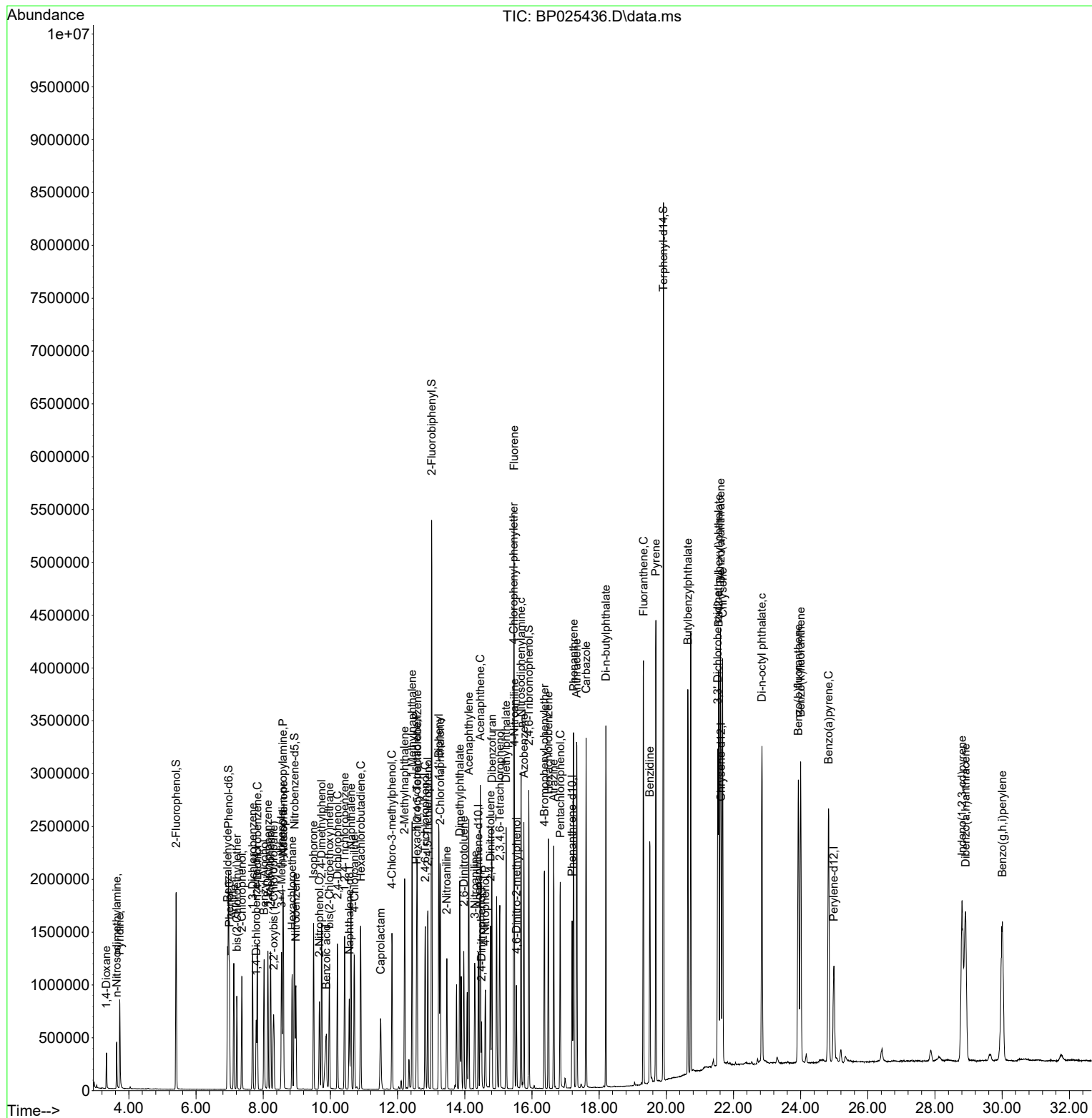
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	440218	45.101	ng	99
46) 1,1'-Biphenyl	13.225	154	1452635	43.790	ng	99
47) 2-Chloronaphthalene	13.272	162	1120958	43.406	ng	98
48) 2-Nitroaniline	13.466	65	348676	46.337	ng	98
49) Acenaphthylene	14.119	152	1830675	42.840	ng	100
50) Dimethylphthalate	13.849	163	1455084	43.502	ng	99
51) 2,6-Dinitrotoluene	13.972	165	318483	45.175	ng	98
52) Acenaphthene	14.460	154	1068266m	42.589	ng	
53) 3-Nitroaniline	14.296	138	356395	44.932	ng	99
54) 2,4-Dinitrophenol	14.501	184	122865	32.634	ng	96
55) Dibenzofuran	14.807	168	1689125	42.593	ng	99
56) 4-Nitrophenol	14.613	139	295639	45.358	ng	94
57) 2,4-Dinitrotoluene	14.766	165	454531	45.189	ng	99
58) Fluorene	15.466	166	1287972	41.160	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.043	232	380952	44.201	ng	97
60) Diethylphthalate	15.231	149	1468089	43.195	ng	100
61) 4-Chlorophenyl-phenyle...	15.454	204	641804	41.240	ng	96
62) 4-Nitroaniline	15.478	138	350711	43.130	ng	95
63) Azobenzene	15.760	77	1297353	44.580	ng	98
65) 4,6-Dinitro-2-methylph...	15.543	198	201944	35.341	ng	97
66) n-Nitrosodiphenylamine	15.678	169	1208784	43.243	ng	98
67) 4-Bromophenyl-phenylether	16.372	248	442865	43.928	ng	98
68) Hexachlorobenzene	16.490	284	498920	42.691	ng	99
69) Atrazine	16.648	200	458257	43.775	ng	96
70) Pentachlorophenol	16.842	266	327120	44.342	ng	98
71) Phenanthrene	17.242	178	2130157	42.302	ng	100
72) Anthracene	17.331	178	2204625	42.872	ng	99
73) Carbazole	17.613	167	2067991	42.695	ng	99
74) Di-n-butylphthalate	18.201	149	2603783	43.693	ng	100
75) Fluoranthene	19.319	202	2518758	41.933	ng	99
77) Benzidine	19.507	184	1508404	47.349	ng	100
78) Pyrene	19.689	202	2619981	43.183	ng	100
80) Butylbenzylphthalate	20.642	149	1256440	45.693	ng	99
81) Benzo(a)anthracene	21.613	228	2626516	42.665	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	1026166	44.224	ng	100
83) Chrysene	21.677	228	2465631	42.767	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1800639	44.485	ng	99
85) Di-n-octyl phthalate	22.848	149	3138516	45.079	ng	99
87) Indeno(1,2,3-cd)pyrene	28.807	276	3296276	42.530	ng	99
88) Benzo(b)fluoranthene	23.930	252	2712012	43.518	ng	99
89) Benzo(k)fluoranthene	24.001	252	2673968	42.878	ng	99
90) Benzo(a)pyrene	24.830	252	2622614	43.232	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2716441	42.888	ng	98
92) Benzo(g,h,i)perylene	30.006	276	2661609	42.750	ng	100

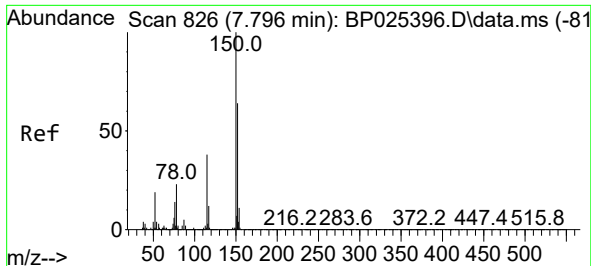
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jaagrut Upadhyay 08/18/2025

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

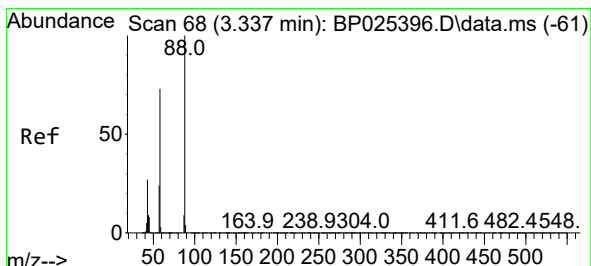
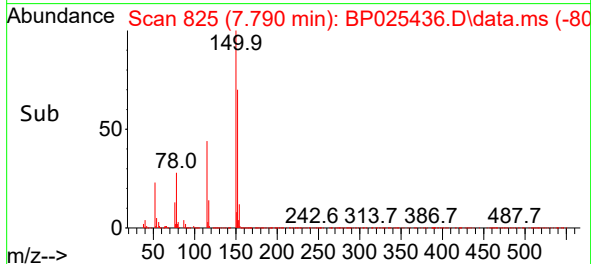
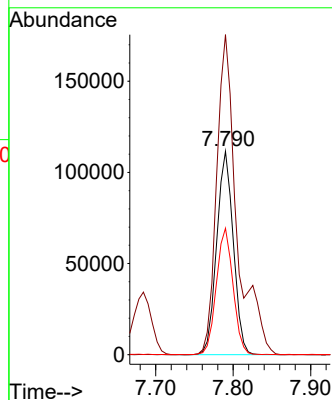
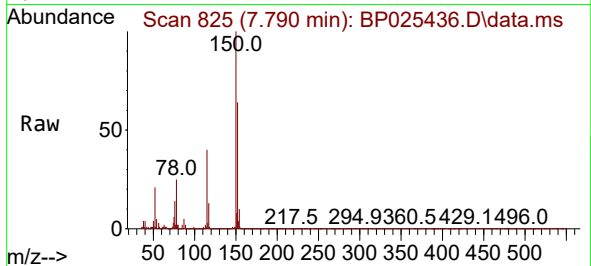
ClientSampleId :

SSTDCCC040EC

Tgt Ion:152 Resp: 16613
Ion Ratio Lower Upper
152 100
150 157.3 125.9 188.9
115 62.2 48.5 72.7

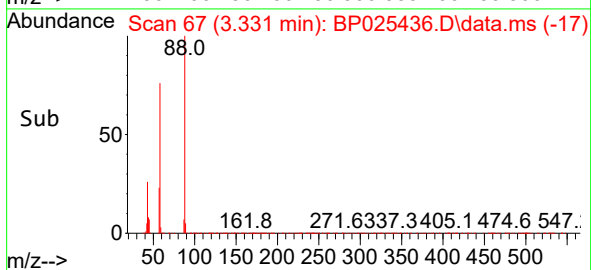
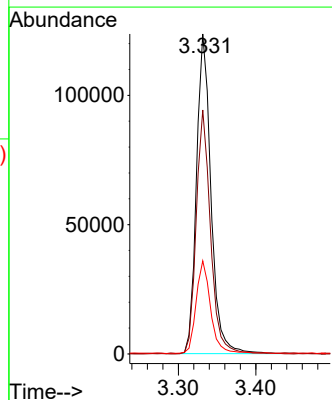
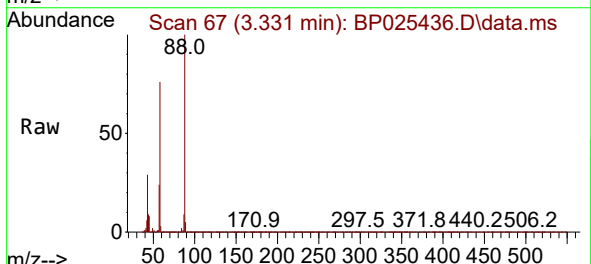
Manual Integrations
APPROVED

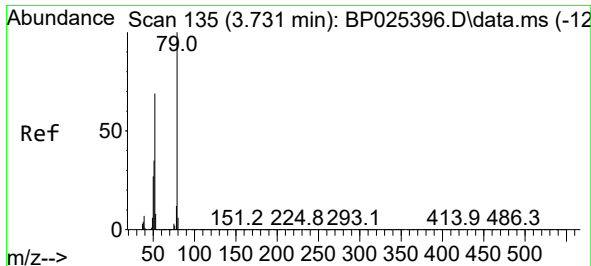
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#2
1,4-Dioxane
Concen: 41.000 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 88 Resp: 160658
Ion Ratio Lower Upper
88 100
58 75.7 59.2 88.8
43 28.9 21.7 32.5





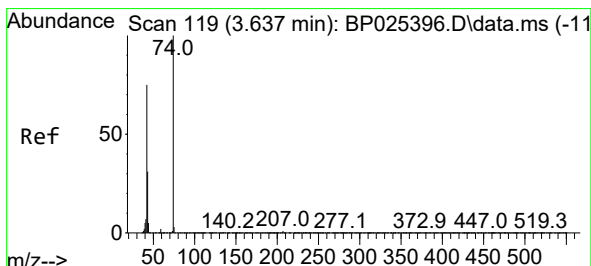
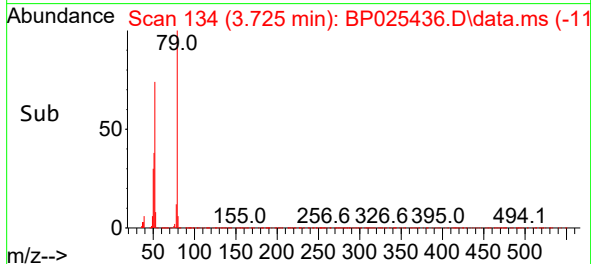
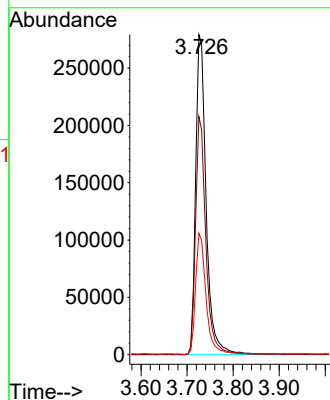
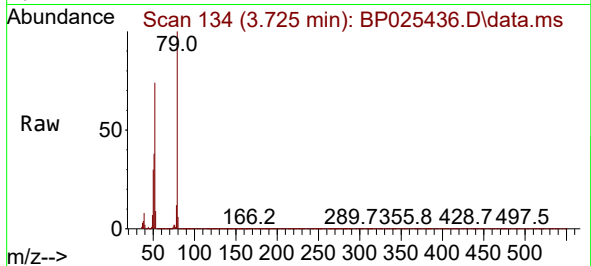
#3
Pyridine
Concen: 40.960 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 439304
Ion Ratio Lower Upper
79 100
52 74.4 55.5 83.3
51 38.0 28.3 42.5

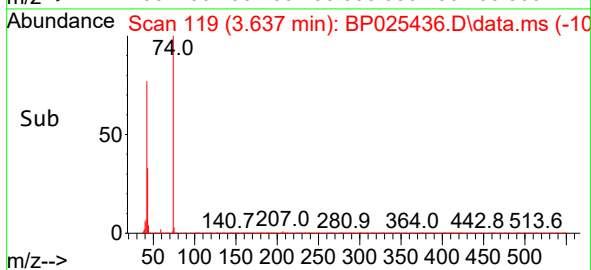
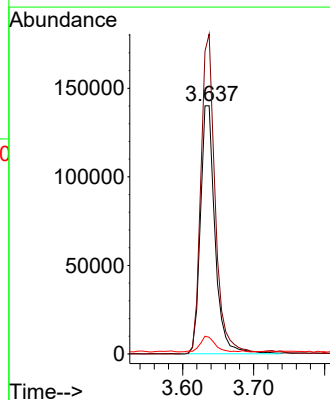
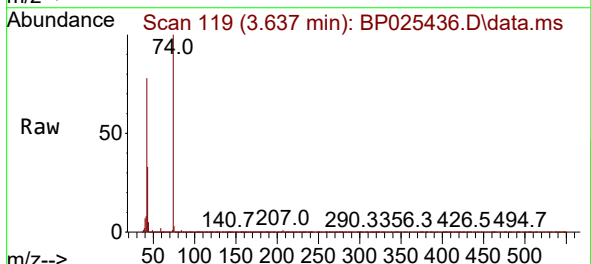
Manual Integrations
APPROVED

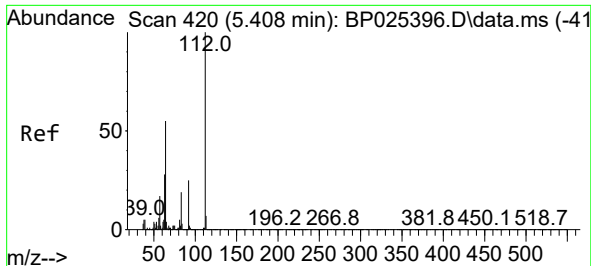
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#4
n-Nitrosodimethylamine
Concen: 45.373 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

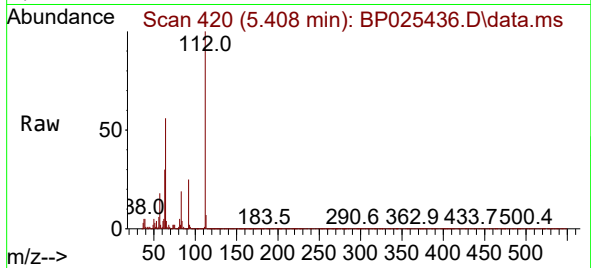
Tgt Ion: 42 Resp: 200626
Ion Ratio Lower Upper
42 100
74 128.9 107.0 160.4
44 6.7 6.2 9.4





#5
2-Fluorophenol
Concen: 86.186 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

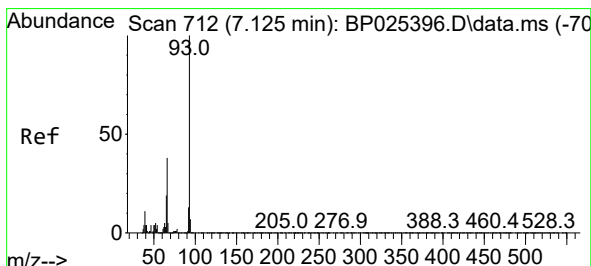
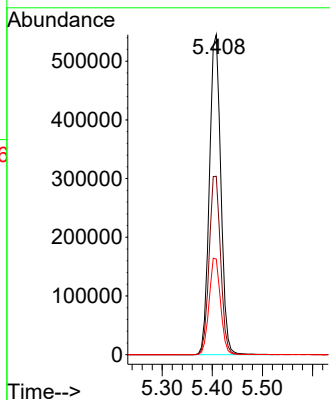
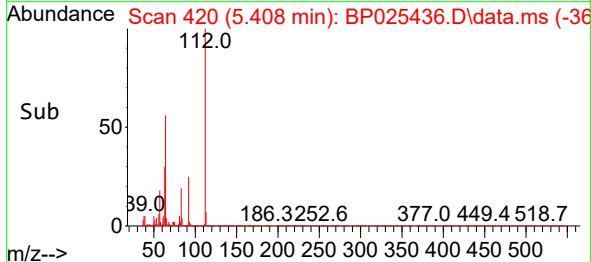
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



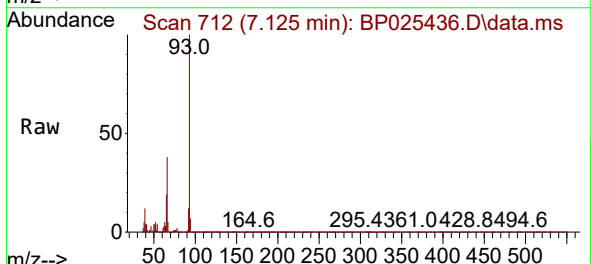
Tgt Ion:112 Resp: 862200
Ion Ratio Lower Upper
112 100
64 55.8 43.8 65.8
63 29.9 22.7 34.1

Manual Integrations
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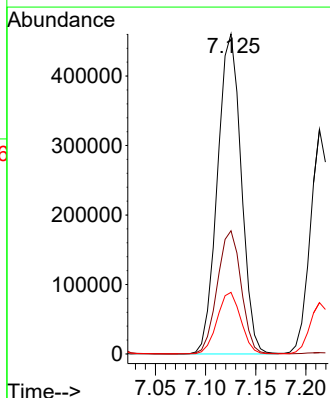
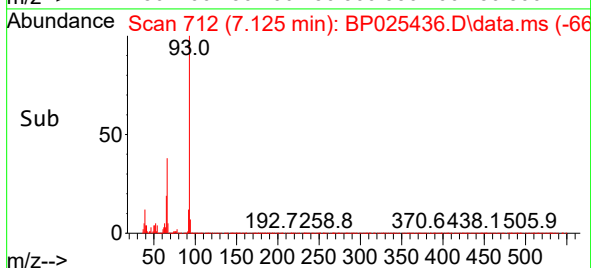
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

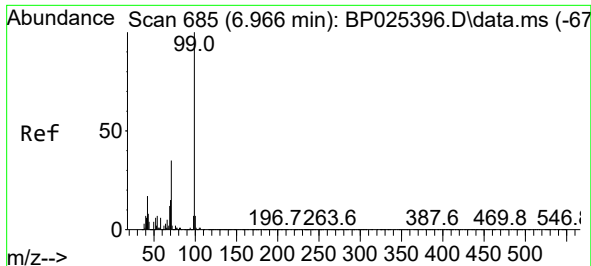


#6
Aniline
Concen: 43.843 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



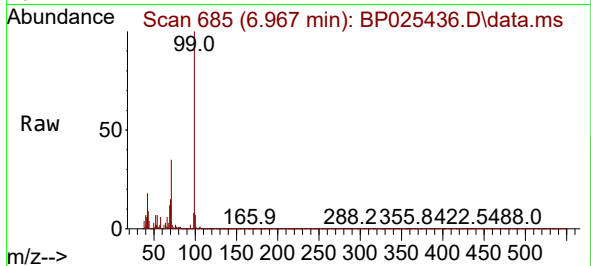
Tgt Ion: 93 Resp: 757650
Ion Ratio Lower Upper
93 100
66 38.5 30.4 45.6
65 19.3 15.3 22.9





#7
Phenol-d6
Concen: 88.568 ng
RT: 6.967 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

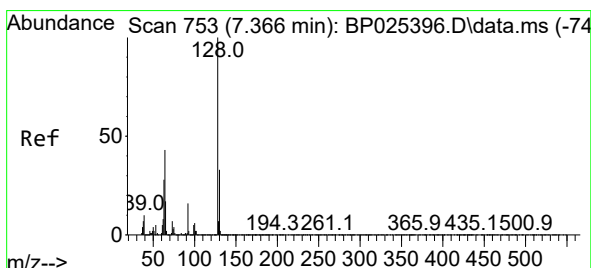
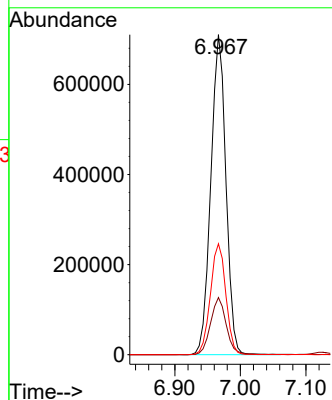
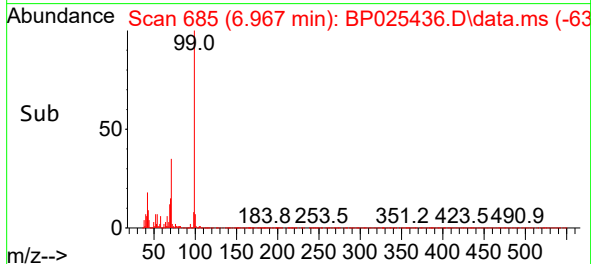
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



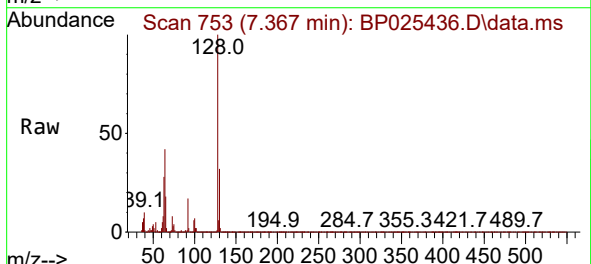
Tgt Ion: 99 Resp: 113596
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 34.7 28.2 42.4

Manual Integrations
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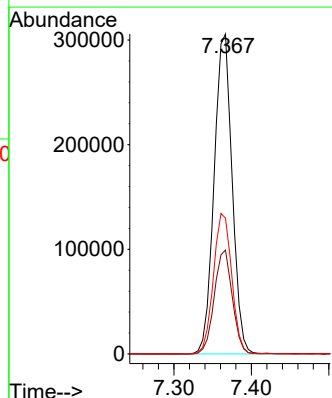
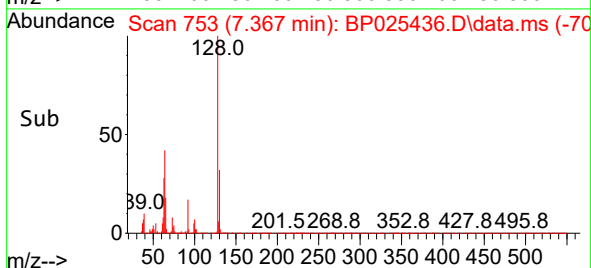
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

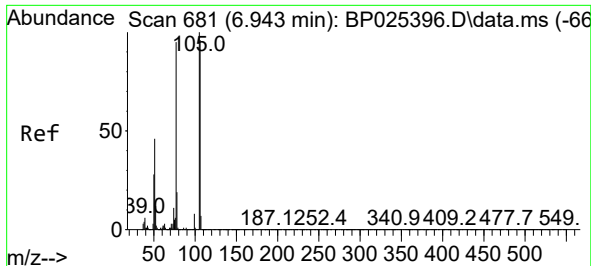


#8
2-Chlorophenol
Concen: 43.878 ng
RT: 7.367 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:128 Resp: 495342
Ion Ratio Lower Upper
128 100
130 32.5 12.6 52.6
64 42.4 23.4 63.4





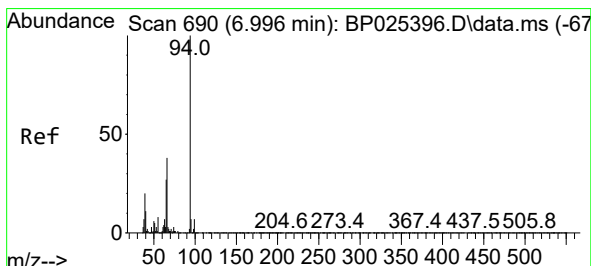
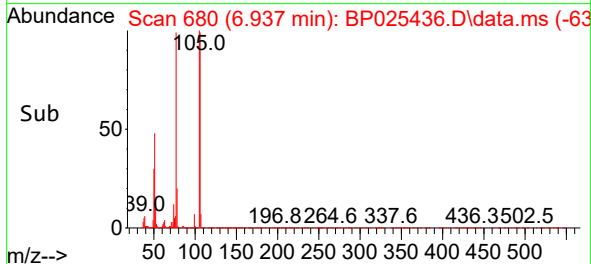
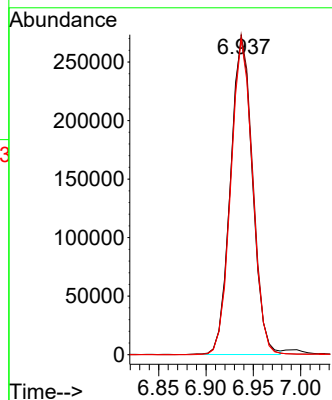
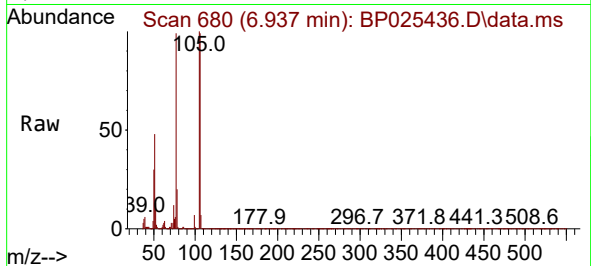
#9
Benzaldehyde
Concen: 48.635 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 437030
Ion Ratio Lower Upper
77 100
105 101.5 84.8 124.8
106 100.1 80.5 120.5

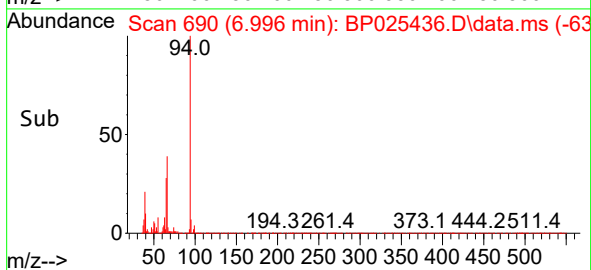
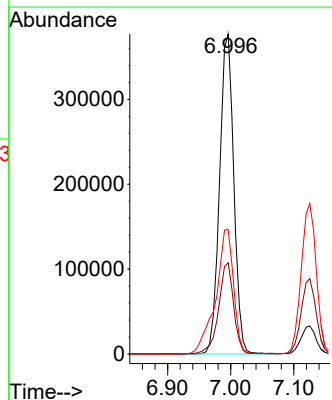
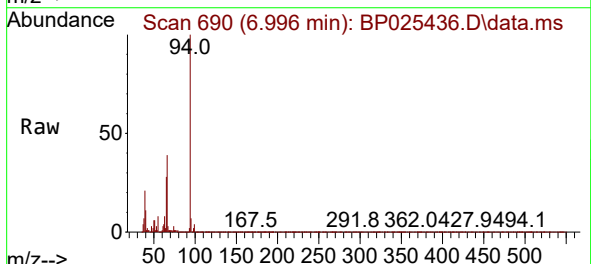
Manual Integrations
APPROVED

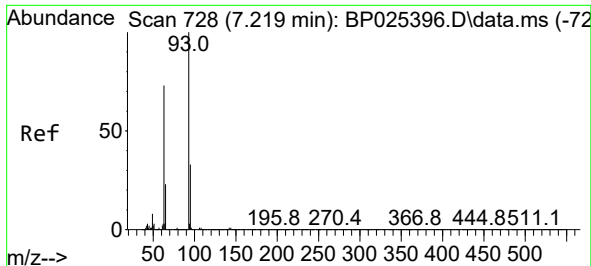
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#10
Phenol
Concen: 43.862 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

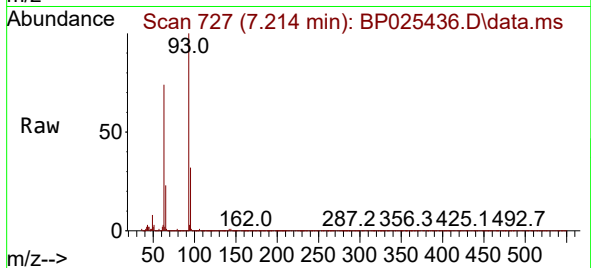
Tgt Ion: 94 Resp: 590307
Ion Ratio Lower Upper
94 100
65 28.5 6.8 46.8
66 38.9 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 43.239 ng
RT: 7.214 min Scan# 728
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

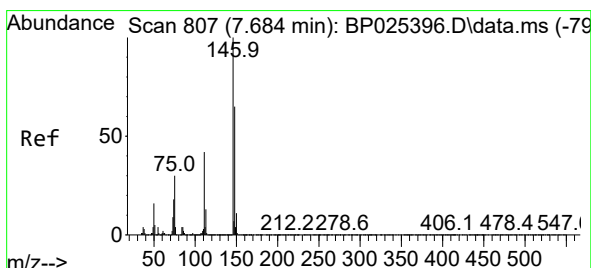
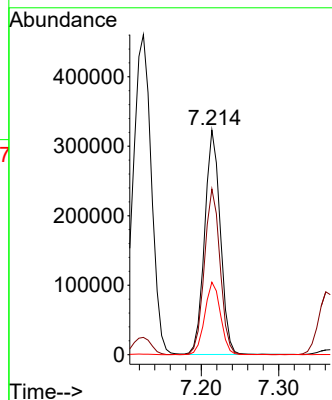
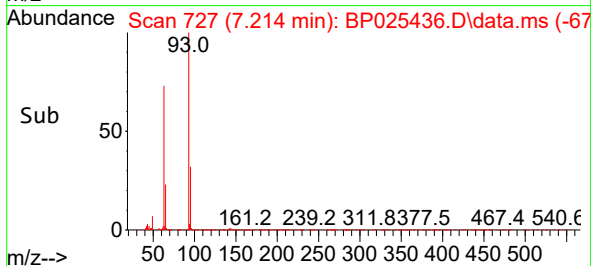
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



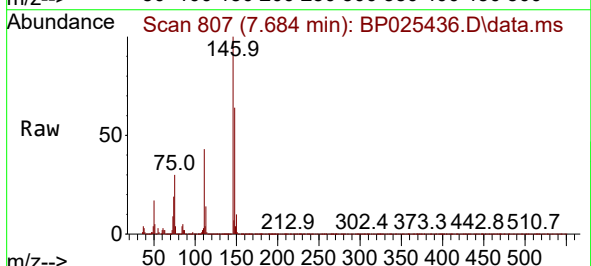
Tgt Ion: 93 Resp: 453562
Ion Ratio Lower Upper
93 100
63 73.8 52.6 92.6
95 32.3 12.7 52.7

Manual Integrations
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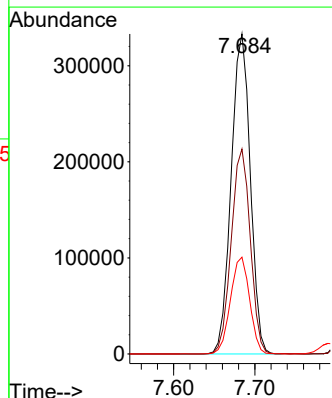
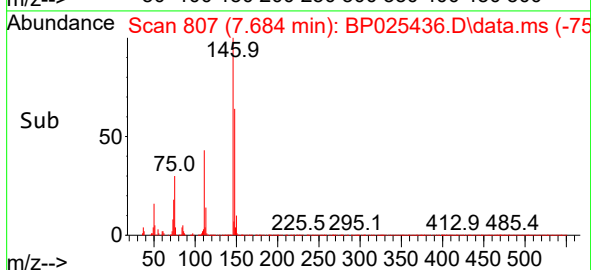
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

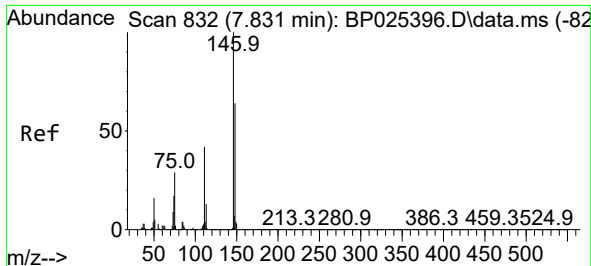


#12
1,3-Dichlorobenzene
Concen: 43.622 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:146 Resp: 543009
Ion Ratio Lower Upper
146 100
148 64.0 51.9 77.9
75 30.2 23.7 35.5





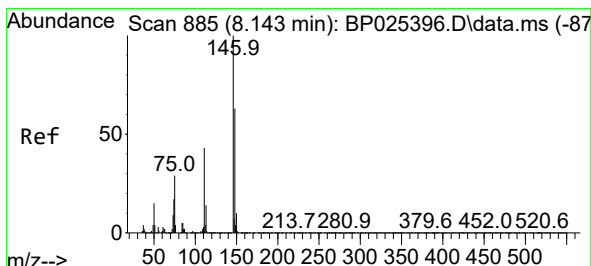
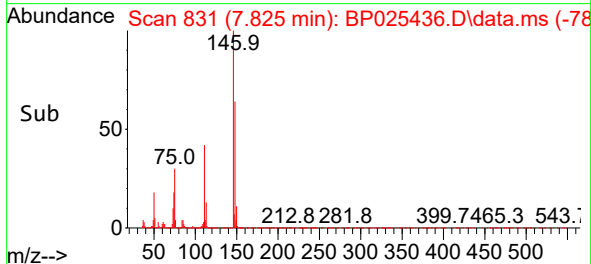
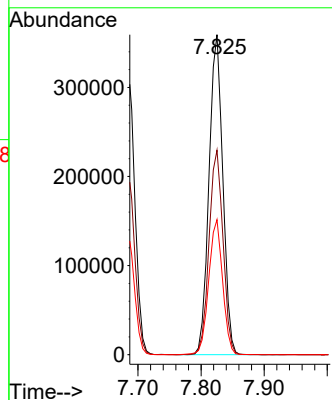
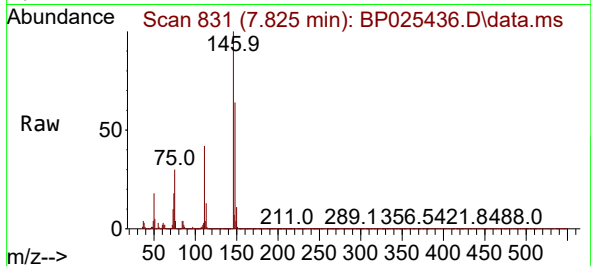
#13
1,4-Dichlorobenzene
Concen: 42.950 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 54646
Ion Ratio Lower Upper
146 100
148 63.9 51.6 77.4
111 42.2 33.4 50.0

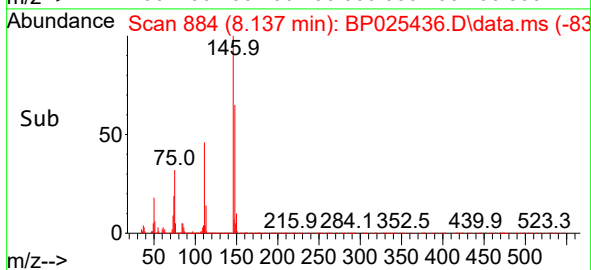
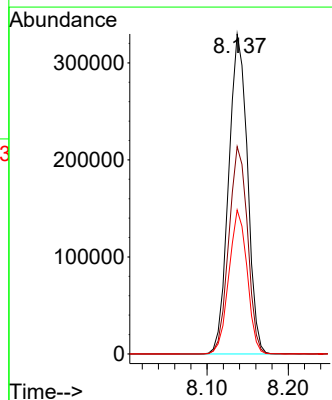
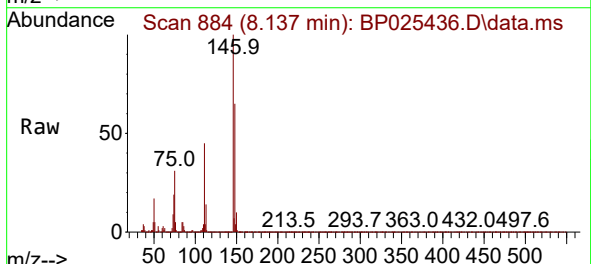
Manual Integrations
APPROVED

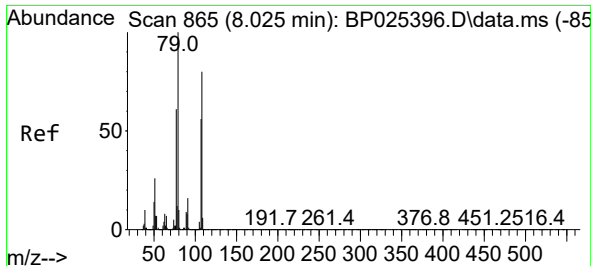
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#14
1,2-Dichlorobenzene
Concen: 43.069 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

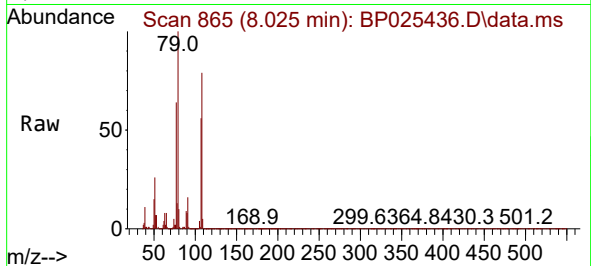
Tgt Ion:146 Resp: 530443
Ion Ratio Lower Upper
146 100
148 64.8 50.4 75.6
111 45.0 34.5 51.7





#15
Benzyl Alcohol
Concen: 44.621 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

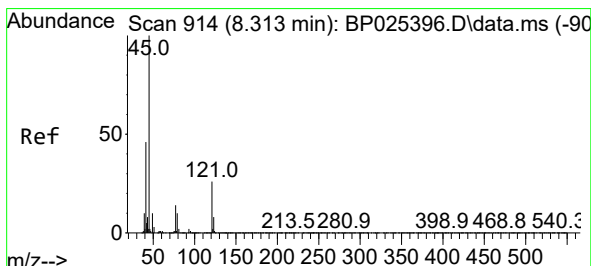
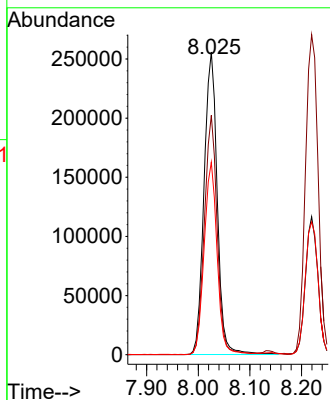
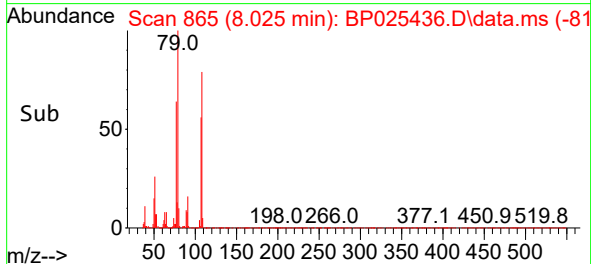
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



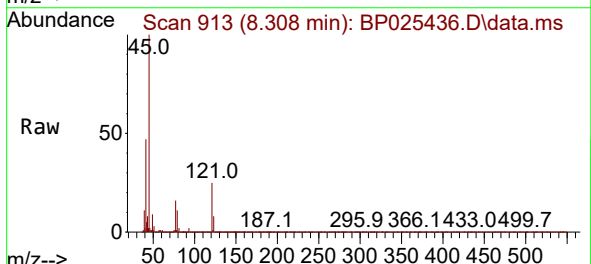
Tgt Ion: 79 Resp: 454730
Ion Ratio Lower Upper
79 100
108 79.1 63.8 95.6
77 63.6 49.0 73.4

Manual Integrations
APPROVED

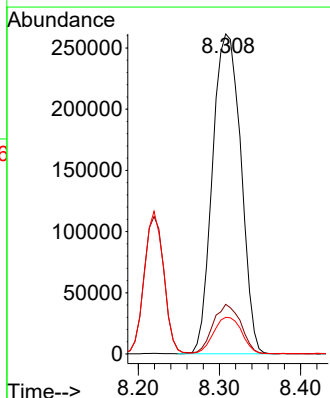
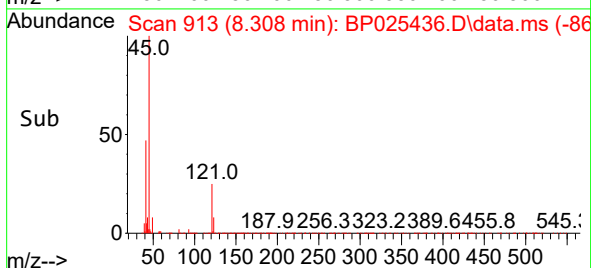
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

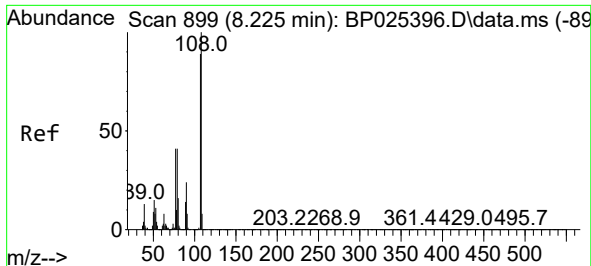


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.158 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion: 45 Resp: 634562
Ion Ratio Lower Upper
45 100
77 15.5 0.0 35.3
79 11.5 0.0 31.8





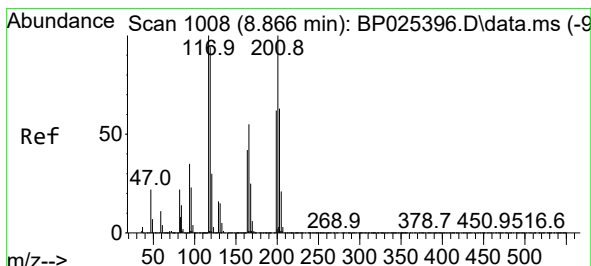
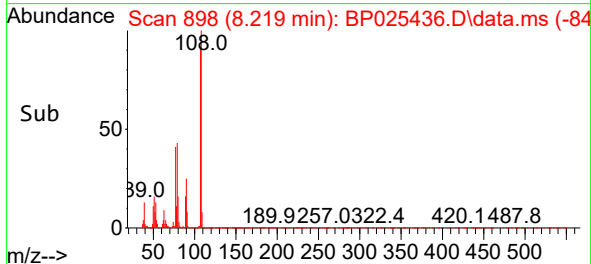
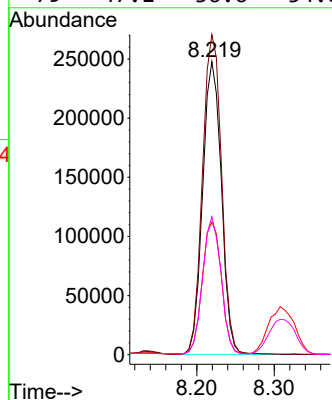
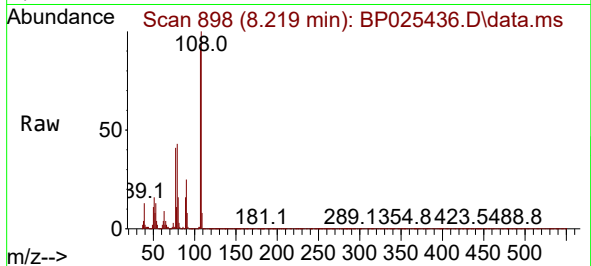
#17
2-Methylphenol
Concen: 44.345 ng
RT: 8.219 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 414498
Ion Ratio Lower Upper
107 100
108 109.3 89.4 134.0
77 45.3 36.3 54.5
79 47.1 36.6 54.8

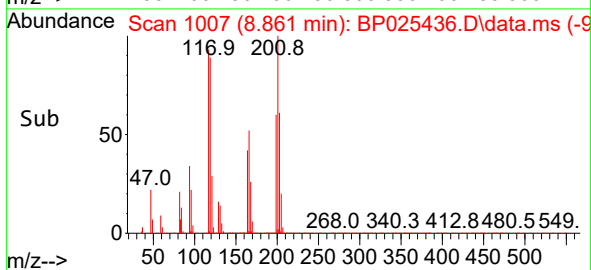
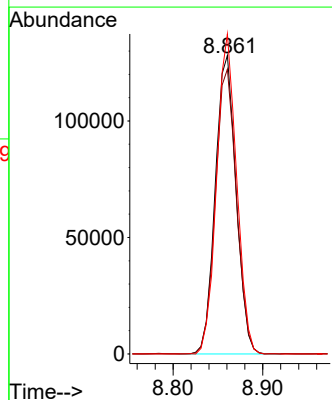
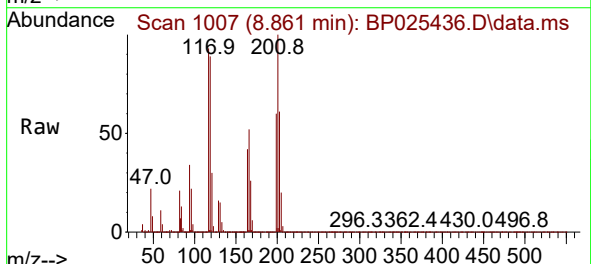
Manual Integrations
APPROVED

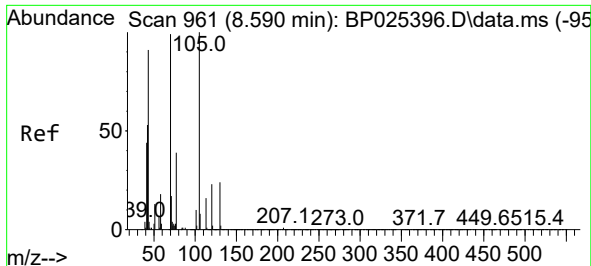
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#18
Hexachloroethane
Concen: 44.074 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

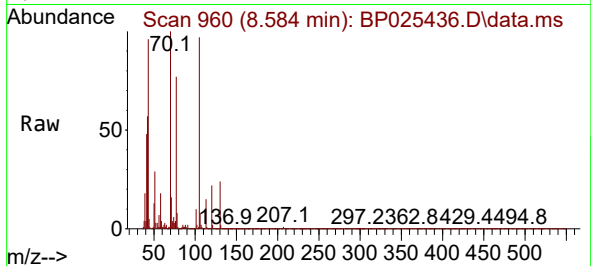
Tgt Ion:117 Resp: 206177
Ion Ratio Lower Upper
117 100
119 95.4 75.1 112.7
201 107.2 80.1 120.1





#19
n-Nitroso-di-n-propylamine
Concen: 43.396 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

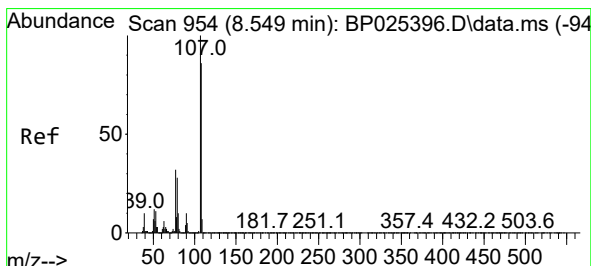
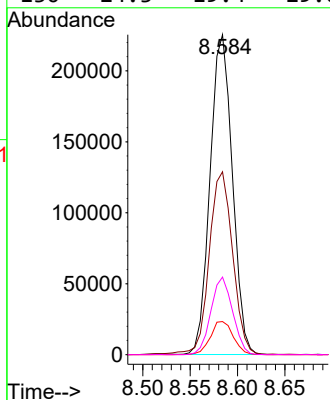
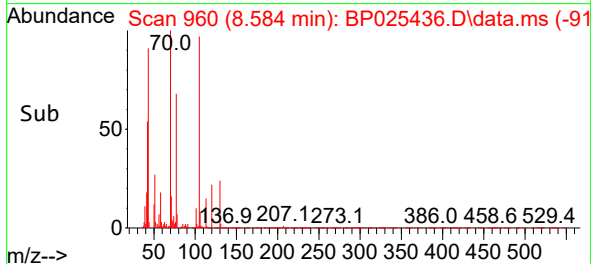
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



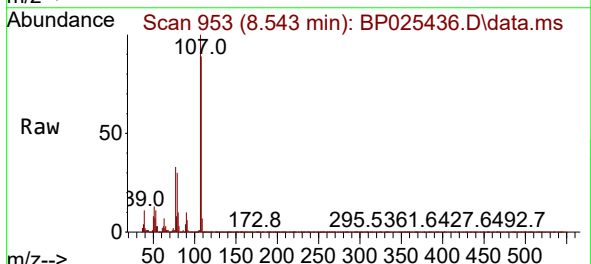
Tgt Ion: 70 Resp: 368678
Ion Ratio Lower Upper
70 100
42 57.2 43.8 65.6
101 10.4 8.5 12.7
130 24.3 19.4 29.0

Manual Integrations
APPROVED

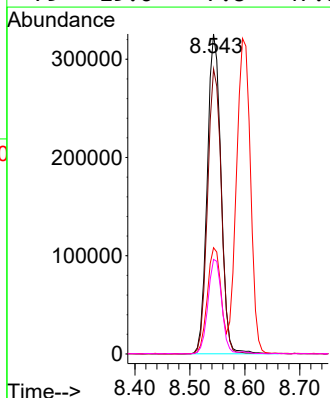
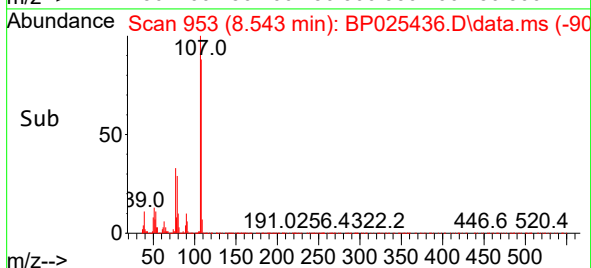
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

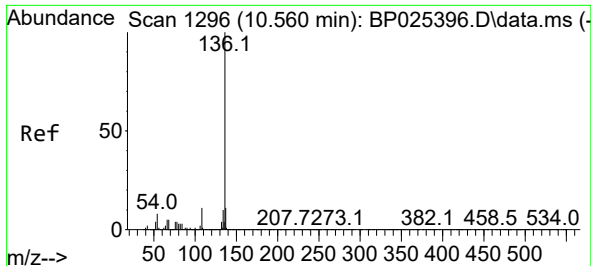


#20
3+4-Methylphenols
Concen: 43.573 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



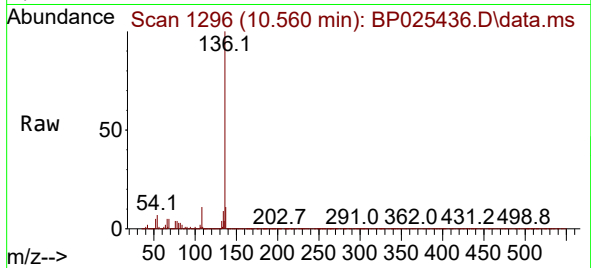
Tgt Ion:107 Resp: 564553
Ion Ratio Lower Upper
107 100
108 89.1 66.3 106.3
77 33.2 12.3 52.3
79 29.6 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

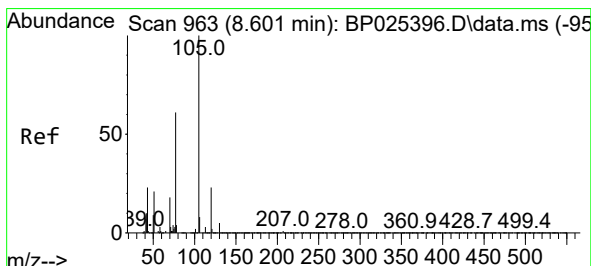
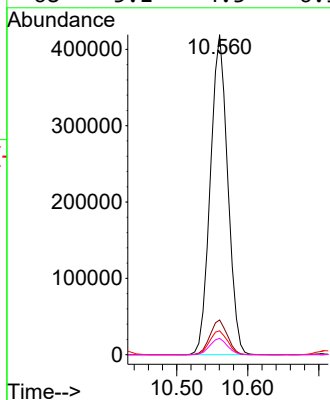
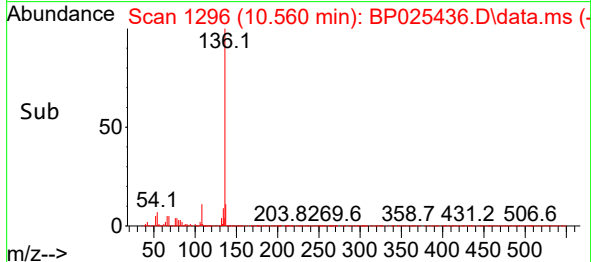
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.5	6.0	9.0
68	5.1	4.3	6.5

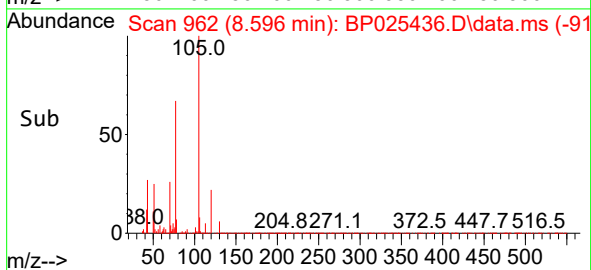
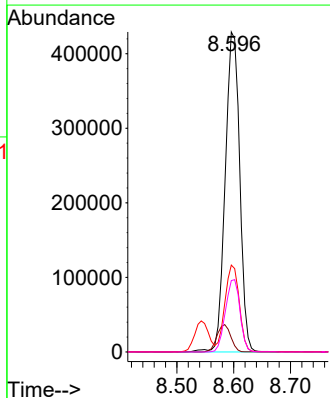
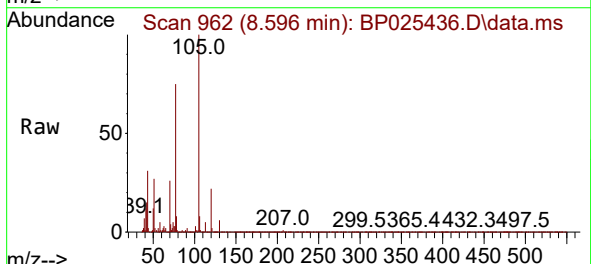
Manual Integrations
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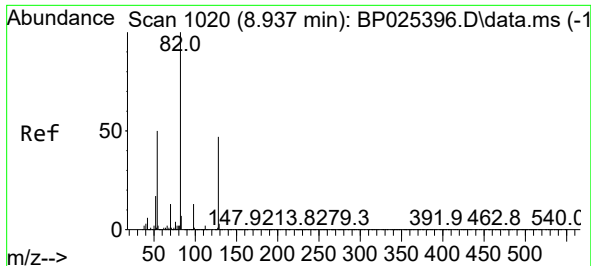
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#22
Acetophenone
Concen: 42.809 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

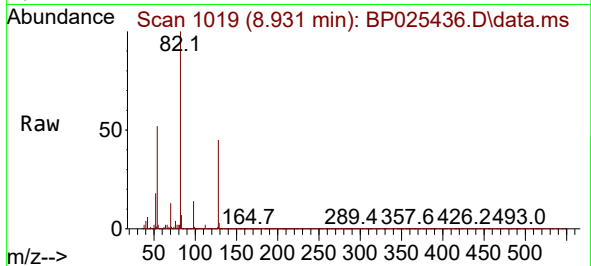
Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.4	2.6	4.0#
51	27.1	20.6	30.8
120	22.3	18.6	27.8





#23
Nitrobenzene-d5
Concen: 87.195 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

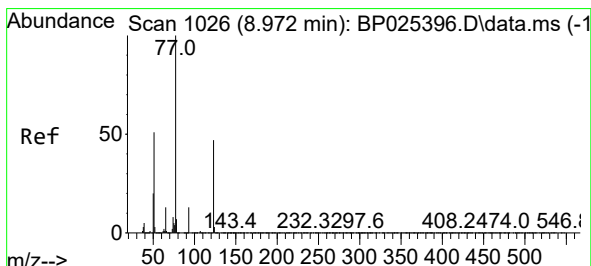
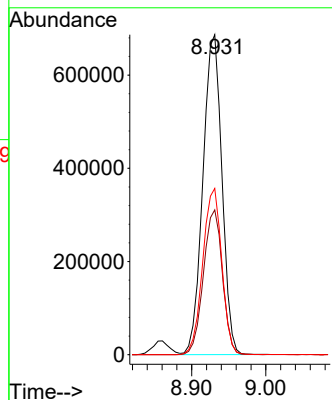
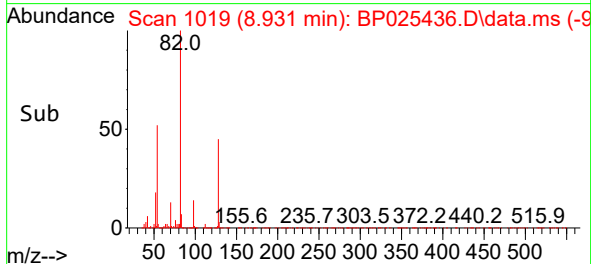
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



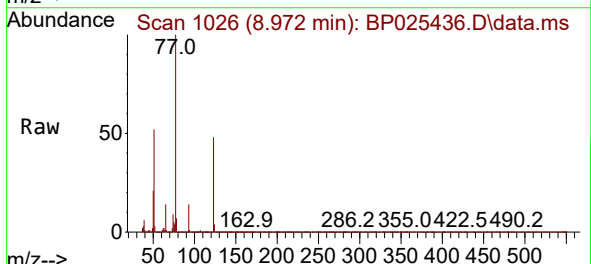
Tgt Ion: 82 Resp: 1224664
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 52.0 39.8 59.6

Manual Integrations
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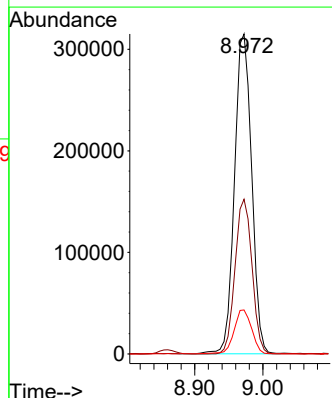
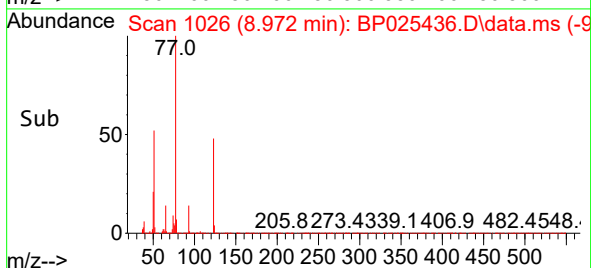
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

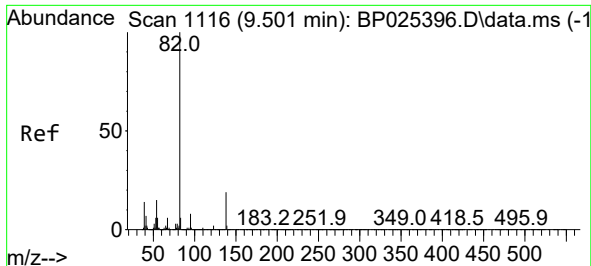


#24
Nitrobenzene
Concen: 43.917 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion: 77 Resp: 551258
Ion Ratio Lower Upper
77 100
123 48.4 38.6 58.0
65 13.8 10.6 15.8





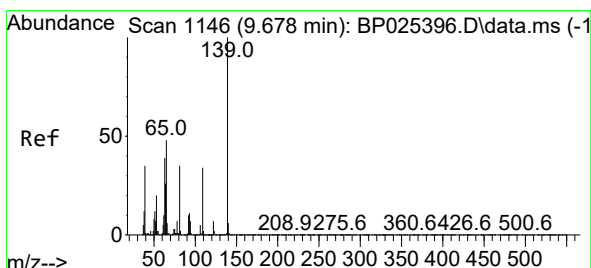
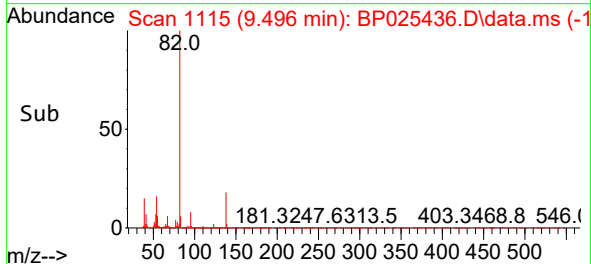
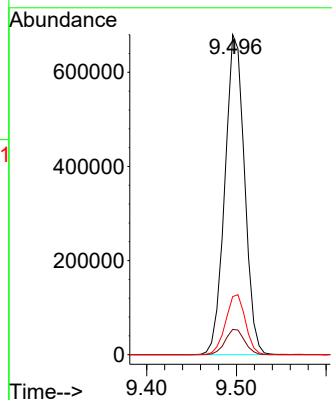
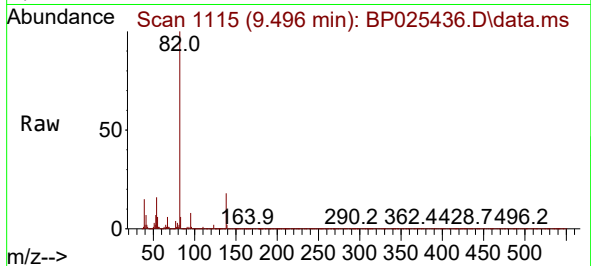
#25
Isophorone
Concen: 41.573 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 103335
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.1 15.4 23.0

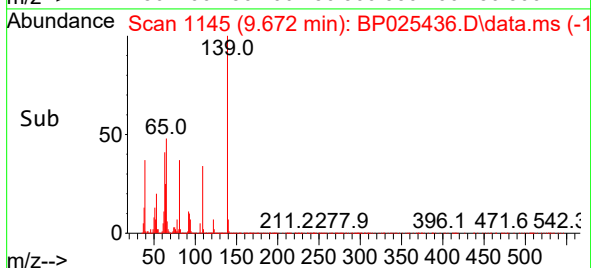
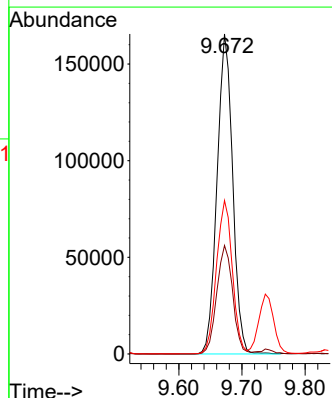
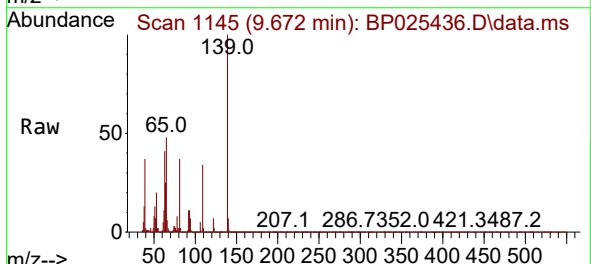
Manual Integrations
APPROVED

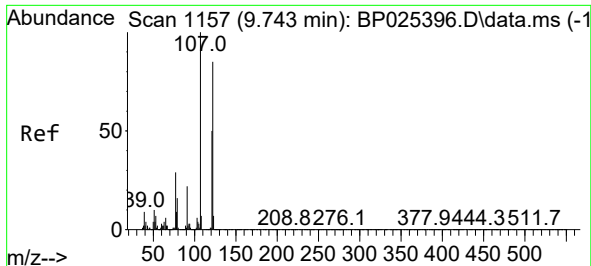
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#26
2-Nitrophenol
Concen: 43.982 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:139 Resp: 283328
Ion Ratio Lower Upper
139 100
109 33.9 26.9 40.3
65 47.9 38.3 57.5





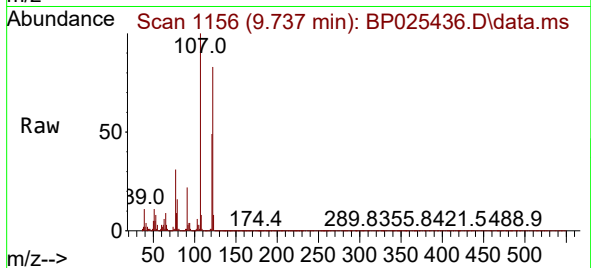
#27
2,4-Dimethylphenol
Concen: 43.443 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC



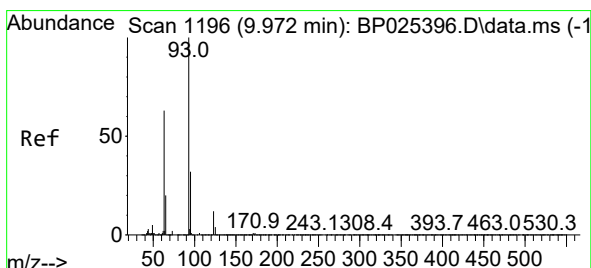
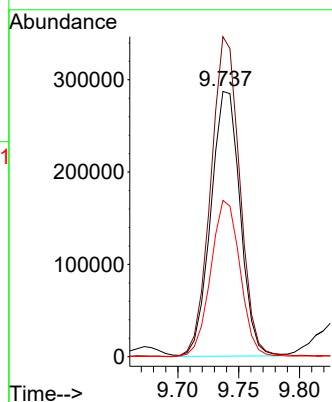
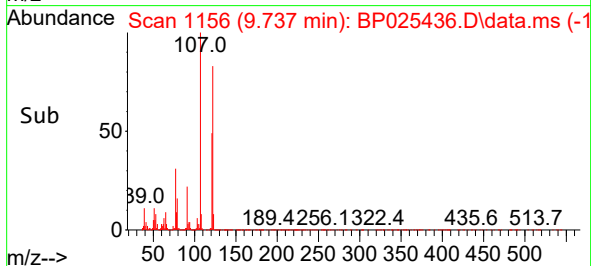
Tgt Ion:122 Resp: 48127
Ion Ratio Lower Upper
122 100
107 120.6 93.7 140.5
121 58.9 46.6 69.8

Manual Integrations

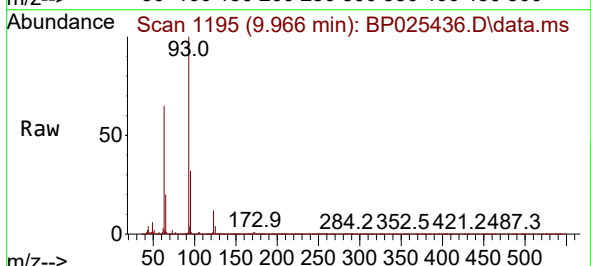
APPROVED

Reviewed By :Rahul Chavli 08/18/2025

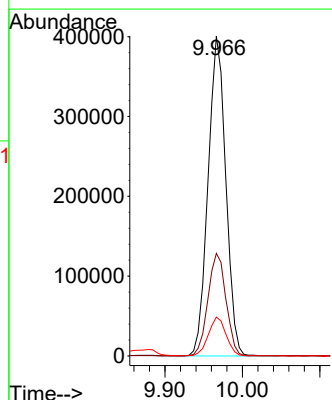
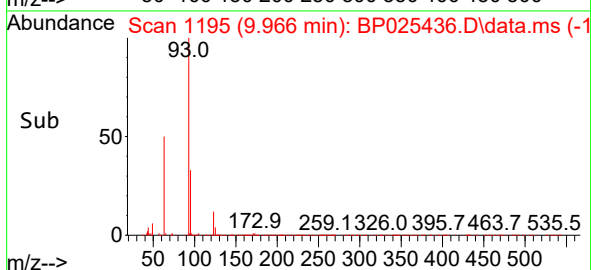
Supervised By :Jagrut Upadhyay 08/18/2025

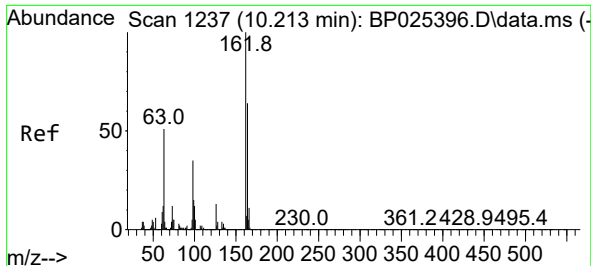


#28
bis(2-Chloroethoxy)methane
Concen: 42.398 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion: 93 Resp: 637027
Ion Ratio Lower Upper
93 100
95 32.1 25.4 38.0
123 12.1 9.4 14.0





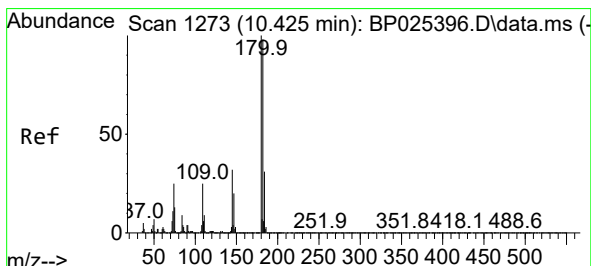
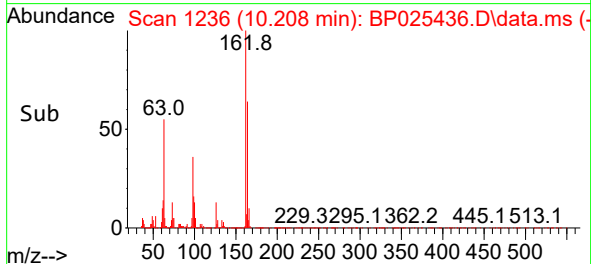
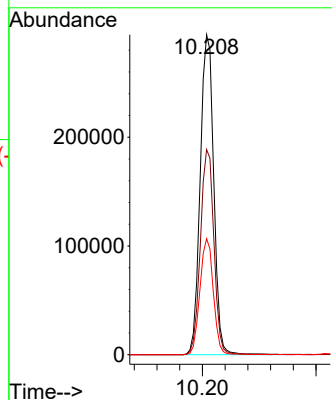
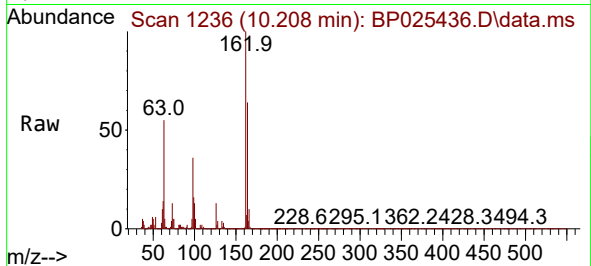
#29
2,4-Dichlorophenol
Concen: 44.245 ng
RT: 10.208 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 486914
Ion Ratio Lower Upper
162 100
164 64.1 44.4 84.4
98 36.2 14.9 54.9

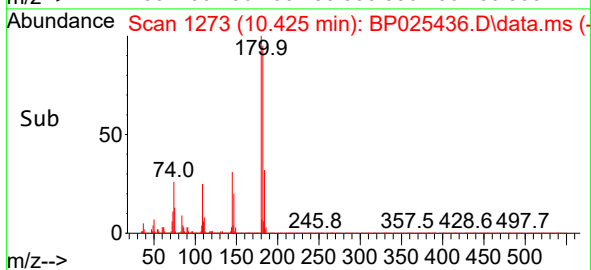
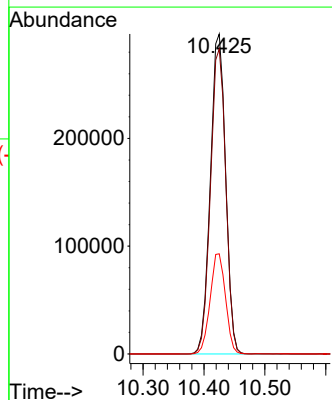
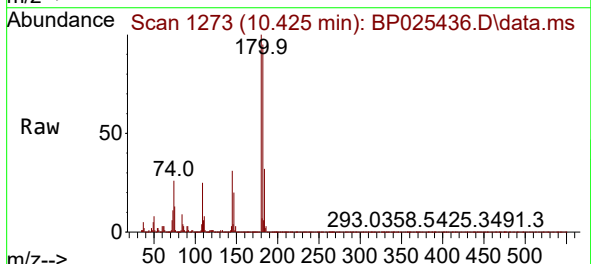
Manual Integrations
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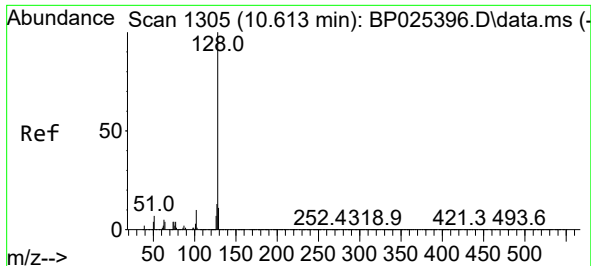
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#30
1,2,4-Trichlorobenzene
Concen: 42.762 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

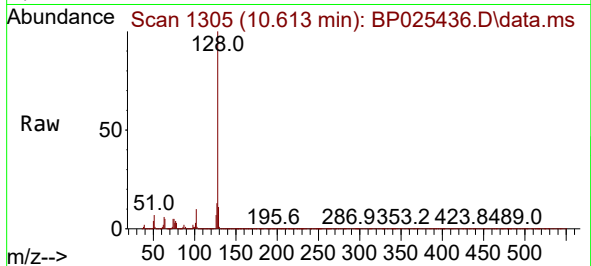
Tgt Ion:180 Resp: 515873
Ion Ratio Lower Upper
180 100
182 95.3 78.0 117.0
145 31.3 25.9 38.9





#31
Naphthalene
Concen: 42.217 ng
RT: 10.613 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

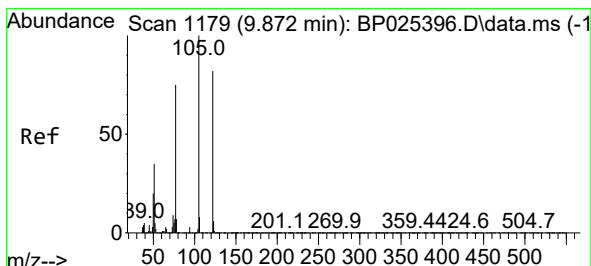
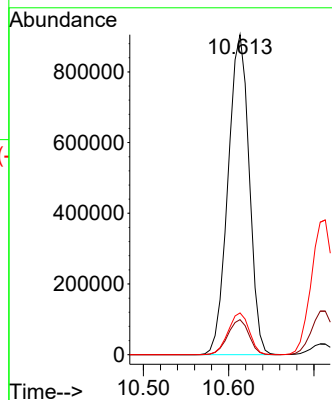
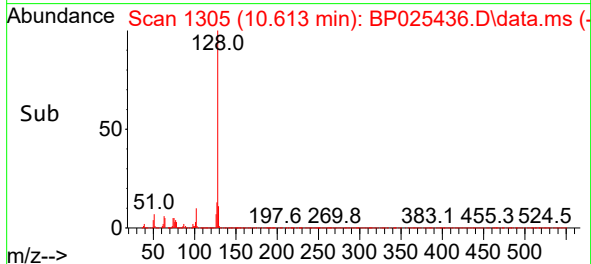
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:128 Resp: 1558970
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.0 10.7 16.1

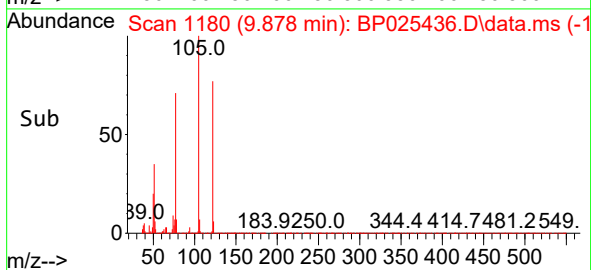
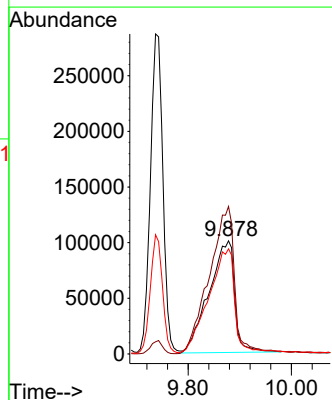
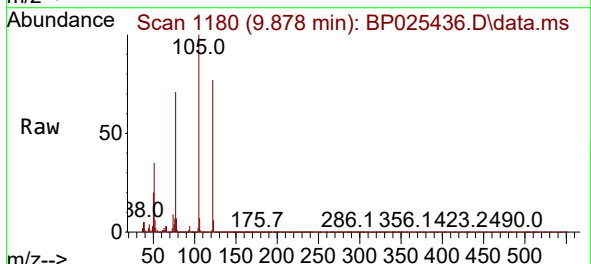
Manual Integrations
APPROVED

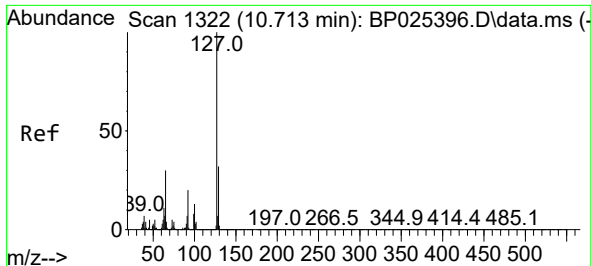
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#32
Benzoic acid
Concen: 42.339 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

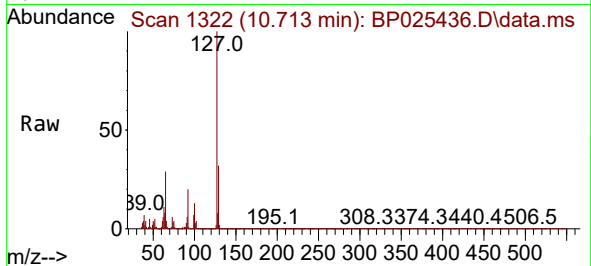
Tgt Ion:122 Resp: 346284
Ion Ratio Lower Upper
122 100
105 130.5 100.6 140.6
77 93.0 71.5 111.5





#33
4-Chloroaniline
Concen: 42.532 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

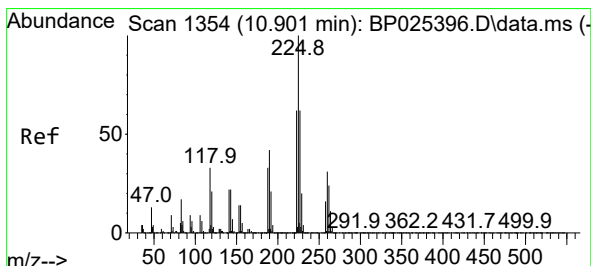
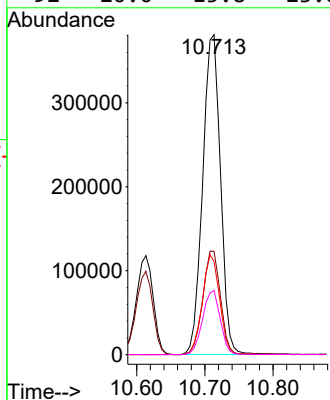
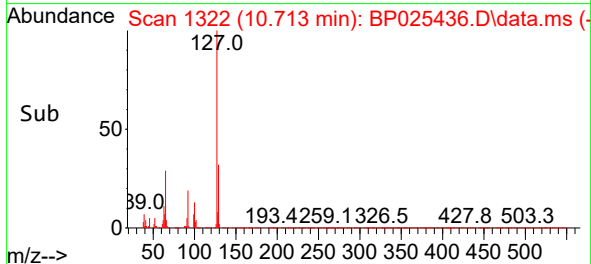
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



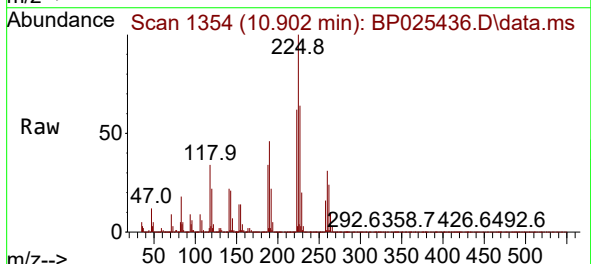
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2
65	29.1	23.8	35.6
92	20.0	15.8	23.8

Manual Integrations
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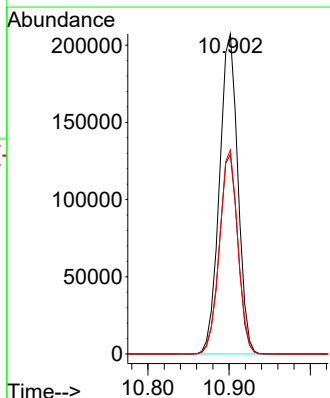
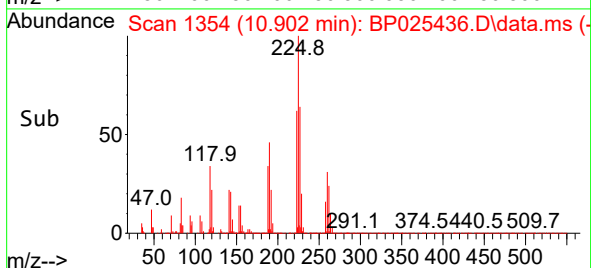
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

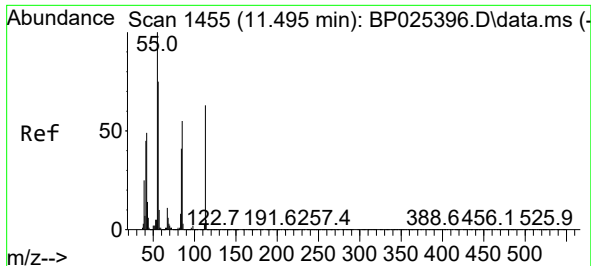


#34
Hexachlorobutadiene
Concen: 43.456 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



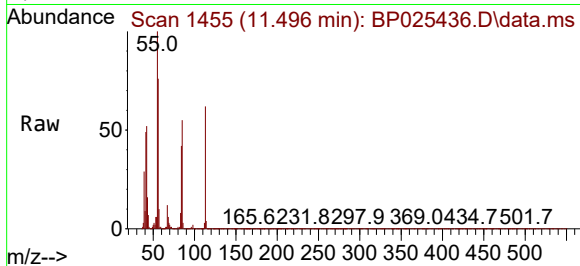
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	63.8	49.7	74.5





#35
Caprolactam
Concen: 41.554 ng
RT: 11.496 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

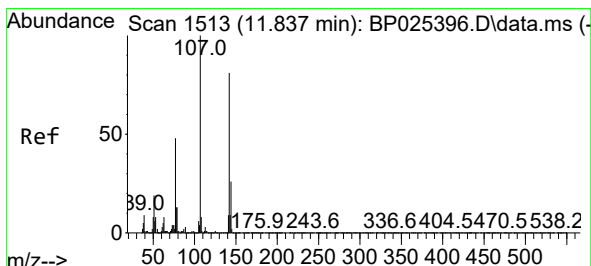
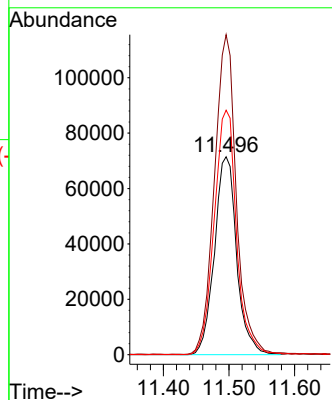
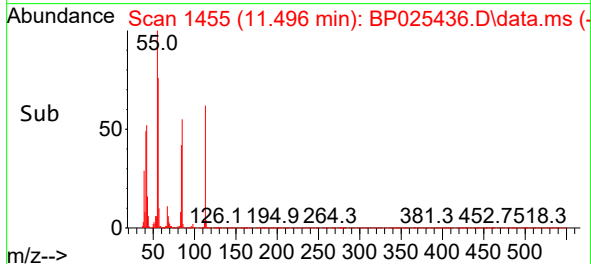
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



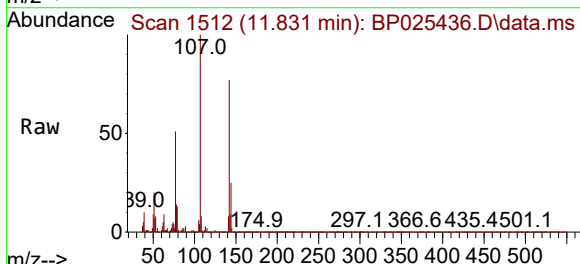
Tgt Ion:113 Resp: 167685
Ion Ratio Lower Upper
113 100
55 161.7 140.0 180.0
56 123.5 100.0 140.0

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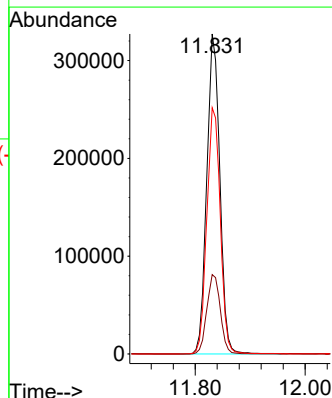
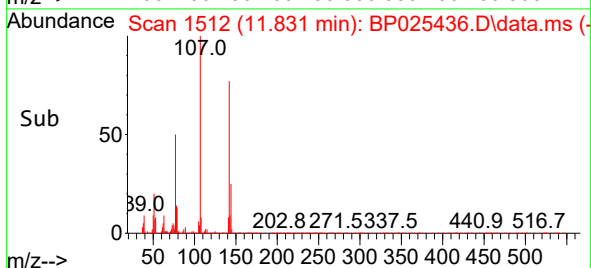
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

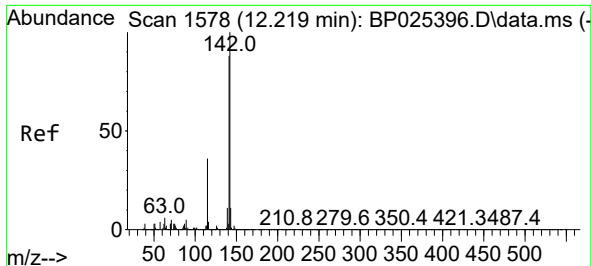


#36
4-Chloro-3-methylphenol
Concen: 42.698 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



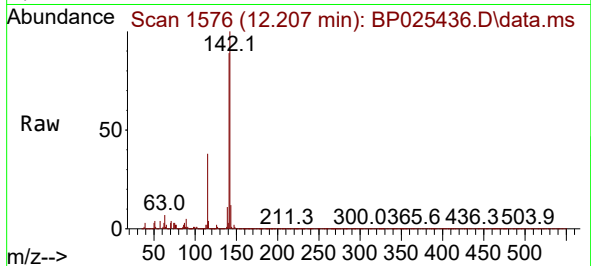
Tgt Ion:107 Resp: 539188
Ion Ratio Lower Upper
107 100
144 24.8 21.0 31.4
142 76.9 64.6 97.0





#37
2-Methylnaphthalene
Concen: 41.968 ng
RT: 12.207 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

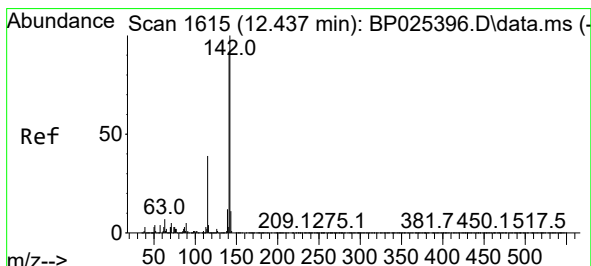
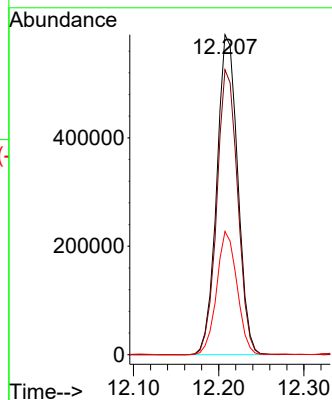
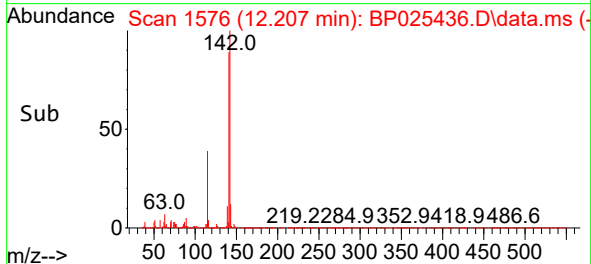
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



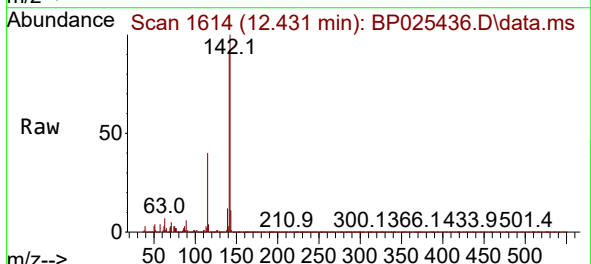
Tgt Ion:142 Resp: 100853
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 38.5 28.9 43.3

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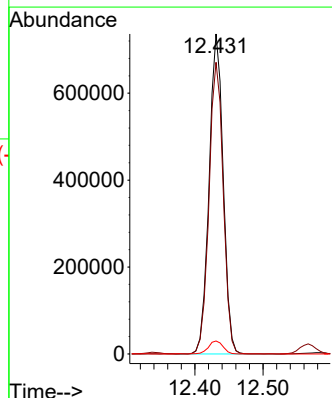
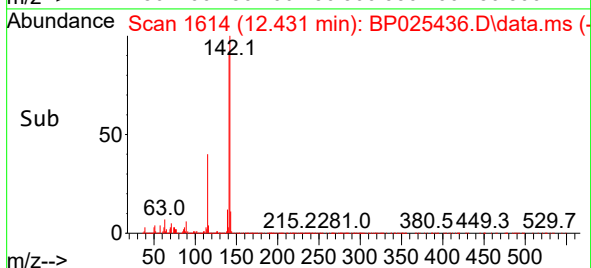
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

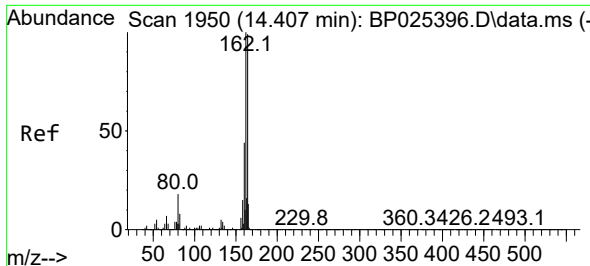


#38
1-Methylnaphthalene
Concen: 41.373 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:142 Resp: 1057345
Ion Ratio Lower Upper
142 100
141 91.2 73.1 109.7
116 4.1 3.2 4.8





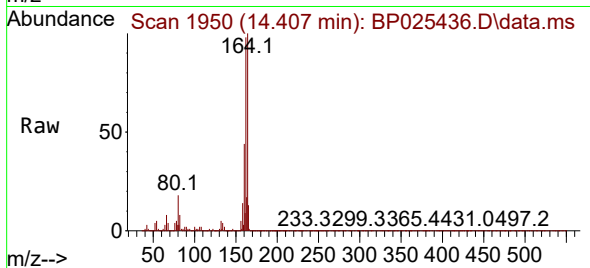
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC



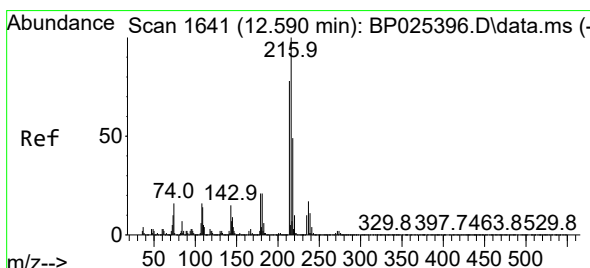
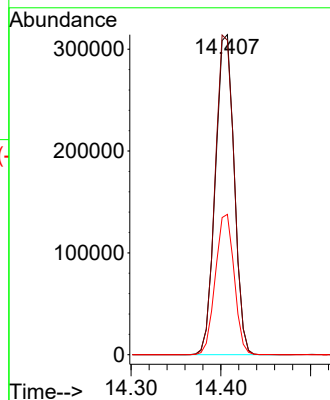
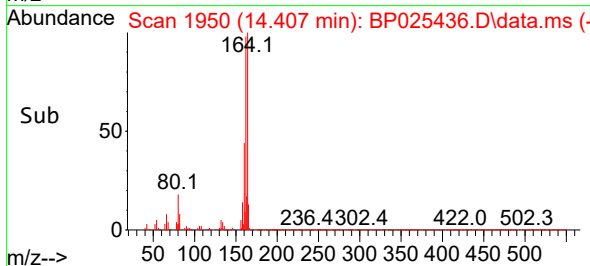
Tgt Ion:164 Resp: 456760
Ion Ratio Lower Upper
164 100
162 98.2 81.0 121.6
160 43.8 35.4 53.2

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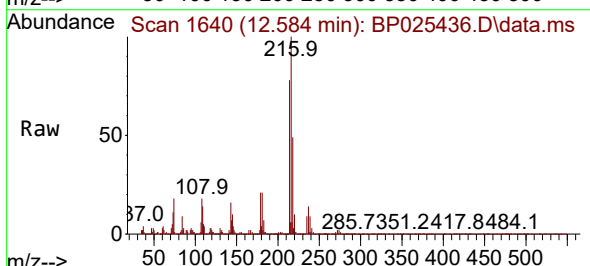
APPROVED

Reviewed By :Rahul Chavli 08/18/2025

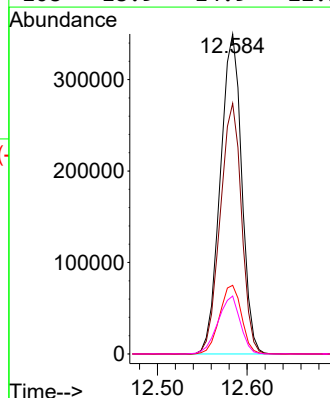
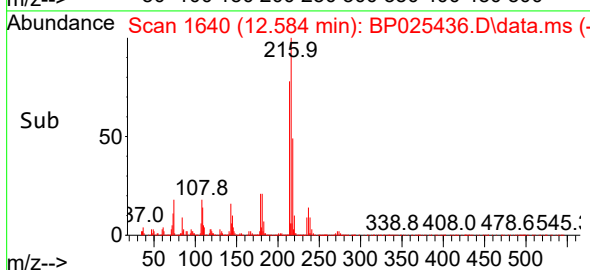
Supervised By :Jagrut Upadhyay 08/18/2025

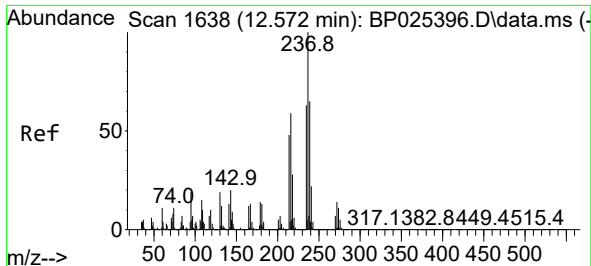


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.807 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



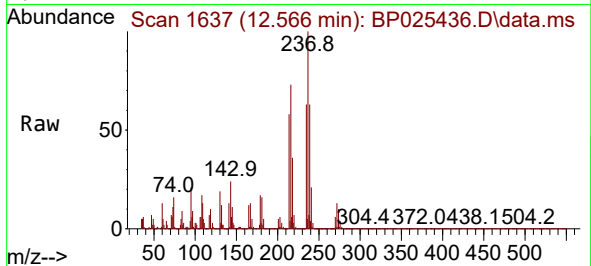
Tgt Ion:216 Resp: 577904
Ion Ratio Lower Upper
216 100
214 78.1 63.0 94.4
179 22.0 17.1 25.7
108 18.9 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 37.087 ng
RT: 12.566 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

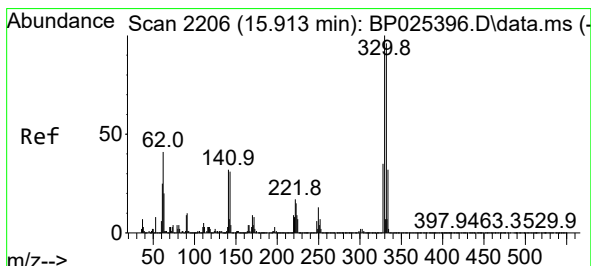
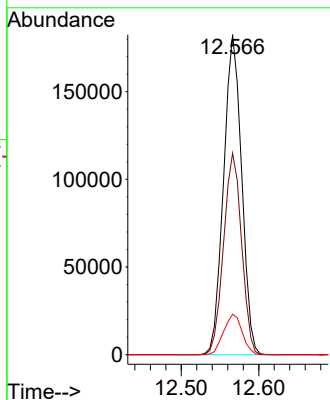
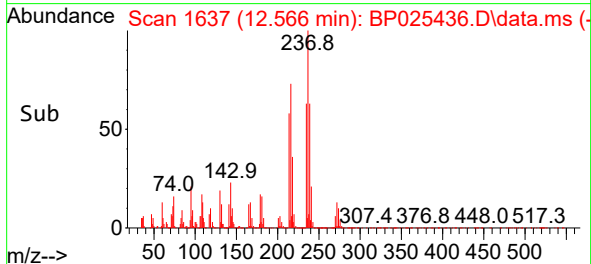
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion: 237 Resp: 295524
Ion Ratio Lower Upper
237 100
235 63.0 42.7 82.7
272 12.7 0.0 34.0

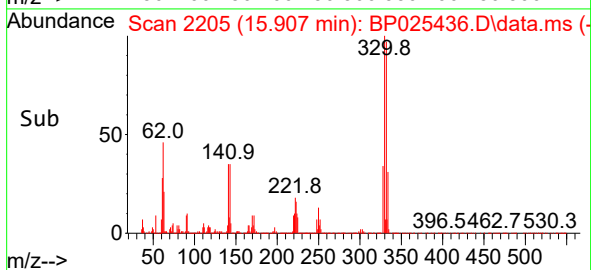
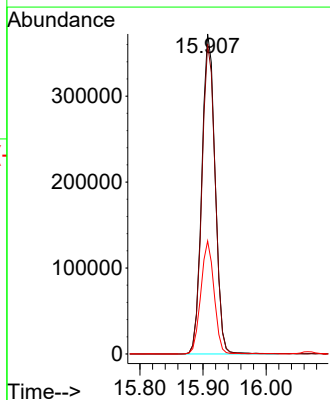
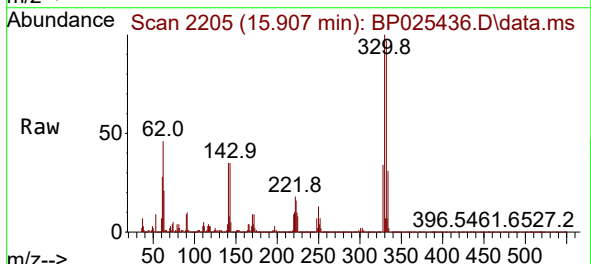
Manual Integrations
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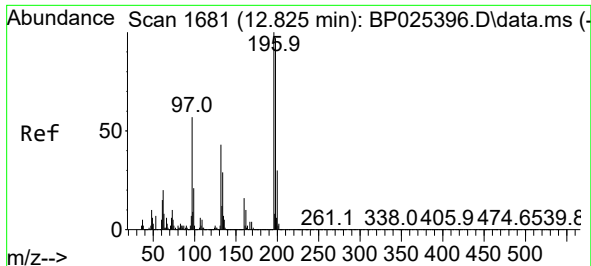
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#42
2,4,6-Tribromophenol
Concen: 88.488 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

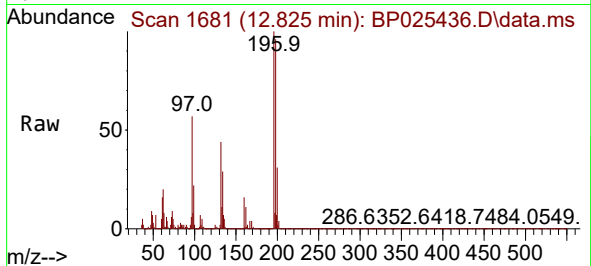
Tgt Ion: 330 Resp: 544037
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 35.0 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 44.759 ng
RT: 12.825 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

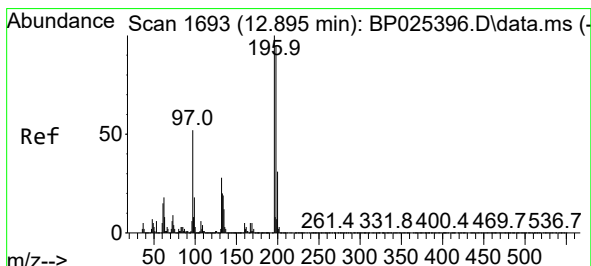
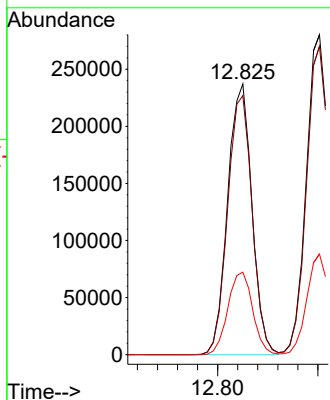
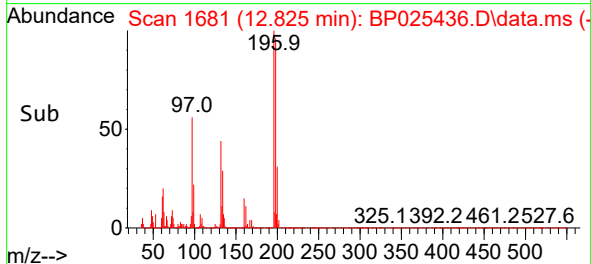
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



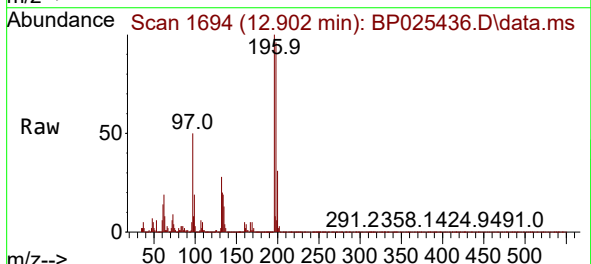
Tgt Ion:196 Resp: 39862
Ion Ratio Lower Upper
196 100
198 95.7 77.2 115.8
200 30.5 23.9 35.9

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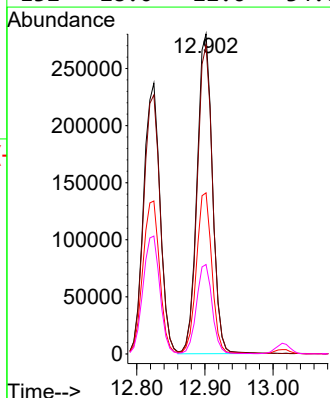
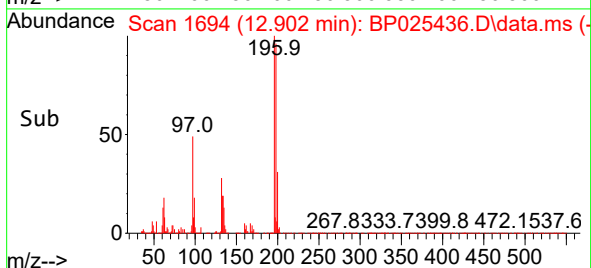
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

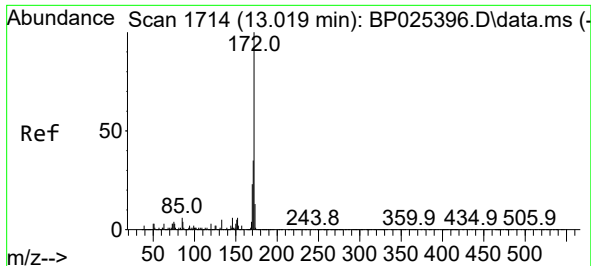


#44
2,4,5-Trichlorophenol
Concen: 45.101 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:196 Resp: 440218
Ion Ratio Lower Upper
196 100
198 96.4 76.2 114.2
97 50.4 41.2 61.8
132 28.0 22.6 34.0





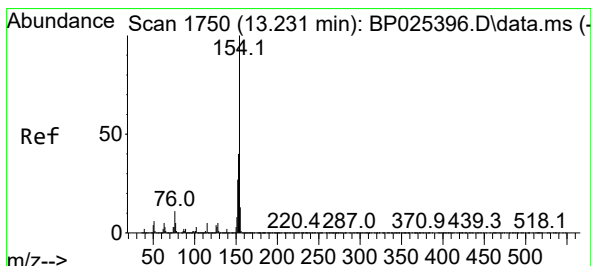
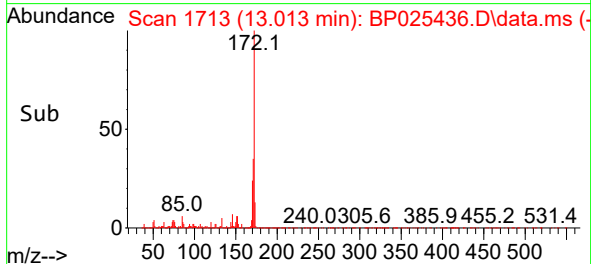
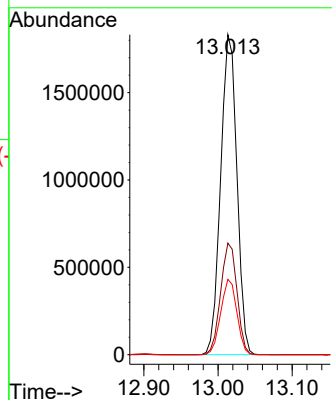
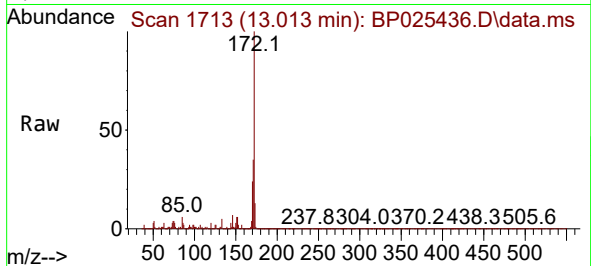
#45
2-Fluorobiphenyl
Concen: 83.499 ng
RT: 13.013 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 279065
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.5 18.6 28.0

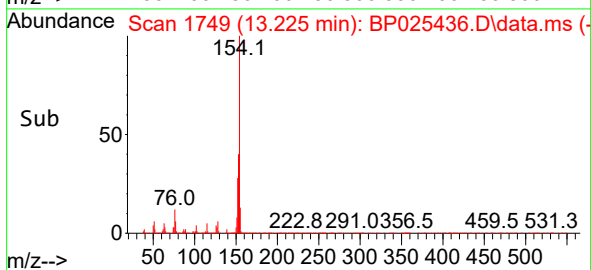
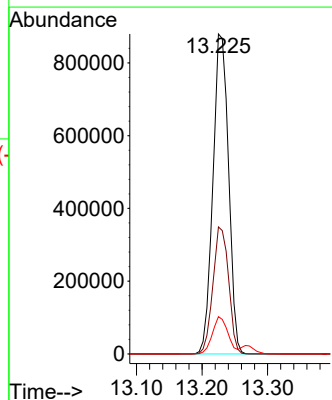
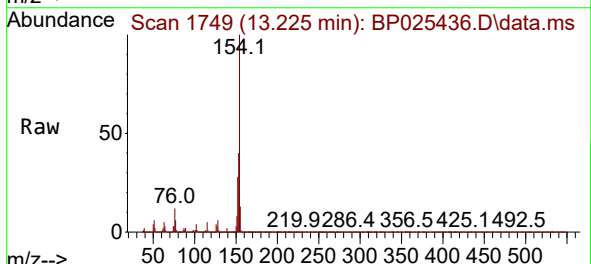
Manual Integrations
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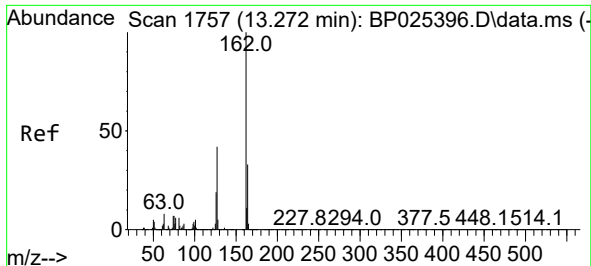
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#46
1,1'-Biphenyl
Concen: 43.790 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

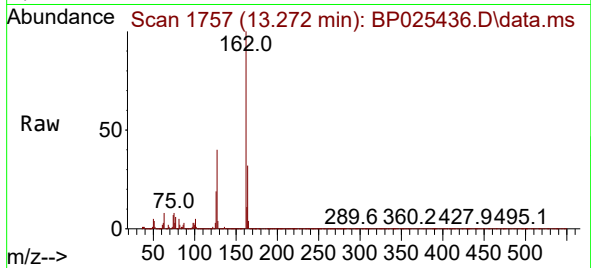
Tgt Ion:154 Resp: 1452635
Ion Ratio Lower Upper
154 100
153 39.7 19.5 59.5
76 11.6 0.0 31.1





#47
2-Chloronaphthalene
Concen: 43.406 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

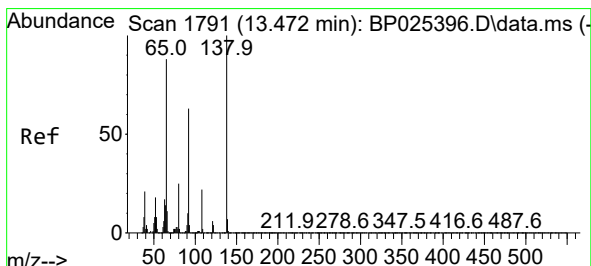
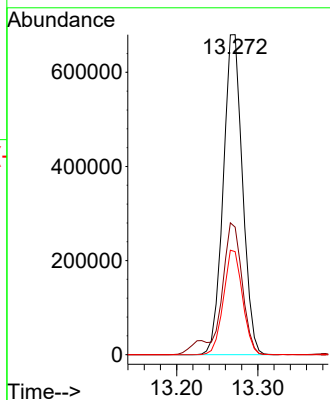
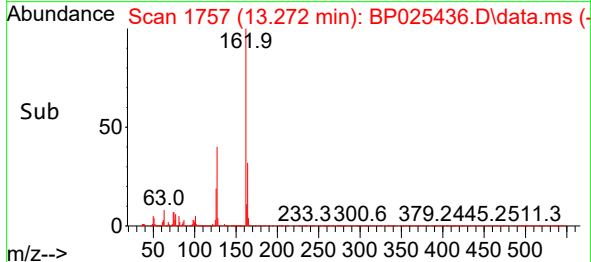
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



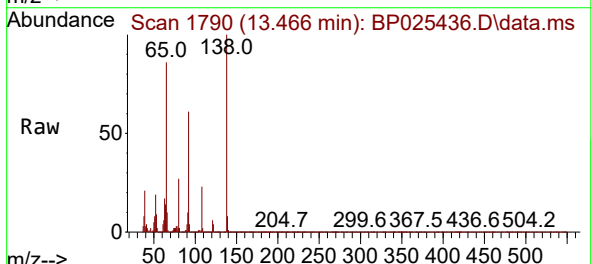
Tgt Ion:162 Resp: 1120958
Ion Ratio Lower Upper
162 100
127 39.8 33.4 50.2
164 32.2 26.2 39.2

Manual Integrations
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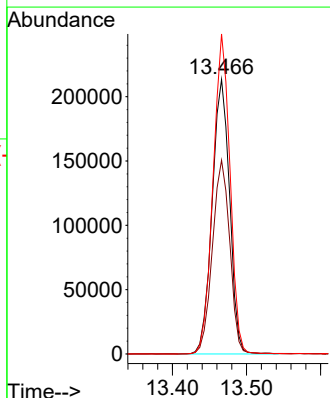
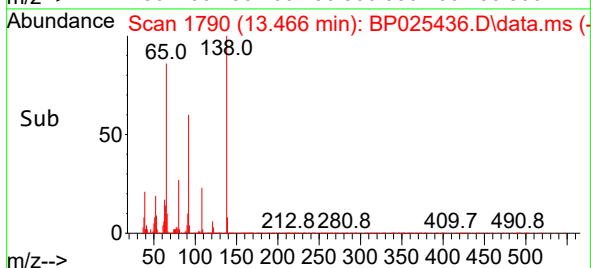
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

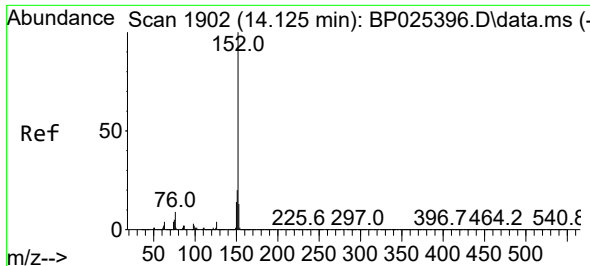


#48
2-Nitroaniline
Concen: 46.337 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



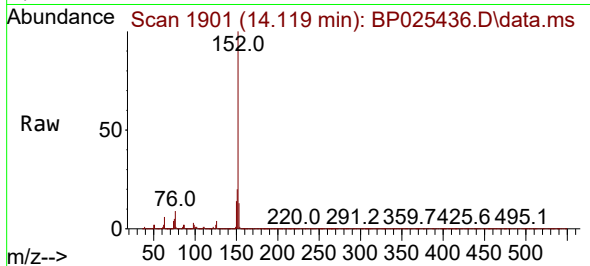
Tgt Ion: 65 Resp: 348676
Ion Ratio Lower Upper
65 100
92 70.5 57.6 86.4
138 116.5 91.0 136.6





#49
Acenaphthylene
Concen: 42.840 ng
RT: 14.119 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

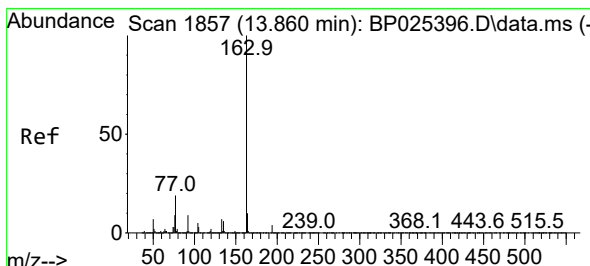
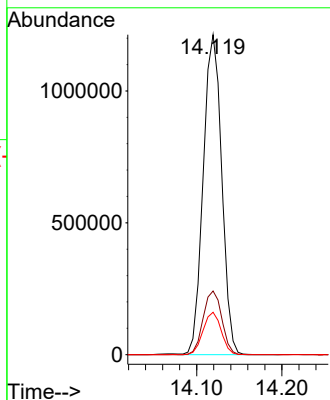
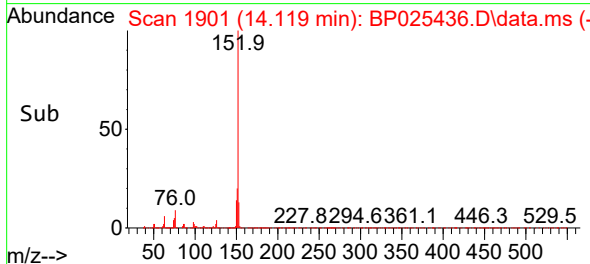
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



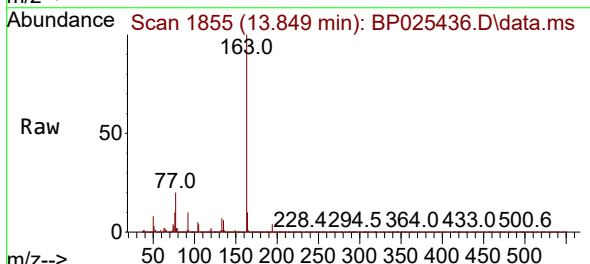
Tgt Ion:152 Resp: 183067
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.3 10.6 15.8

Manual Integrations
APPROVED

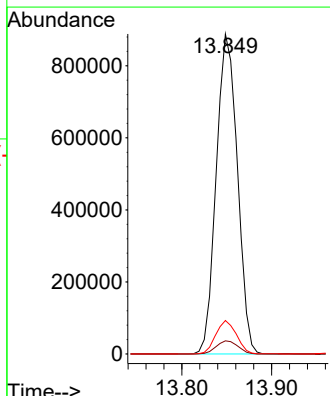
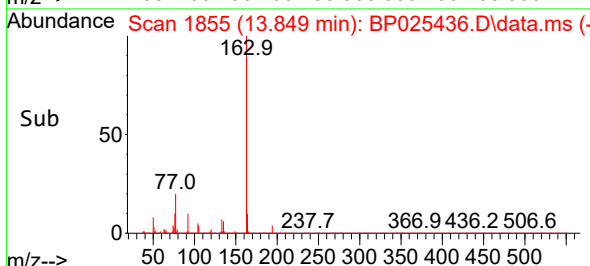
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

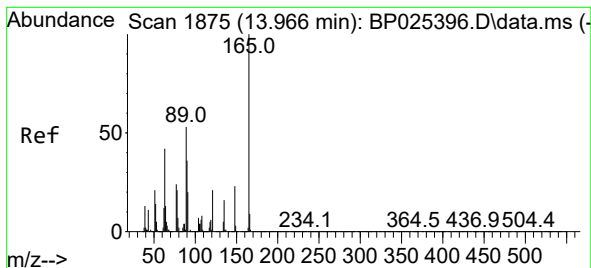


#50
Dimethylphthalate
Concen: 43.502 ng
RT: 13.849 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:163 Resp: 1455084
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.4 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 45.175 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

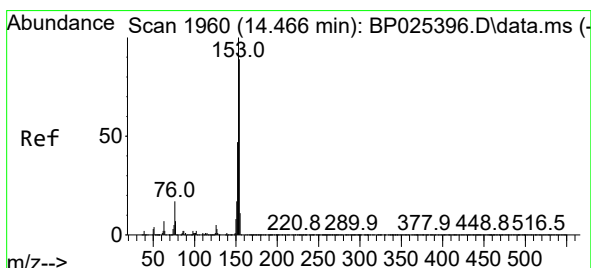
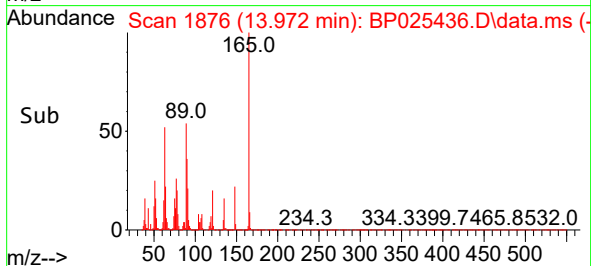
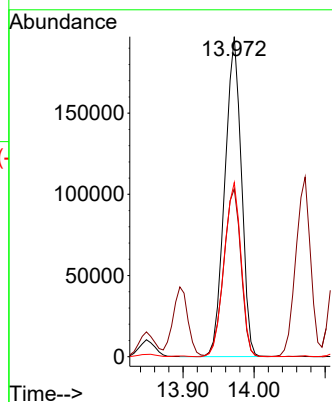
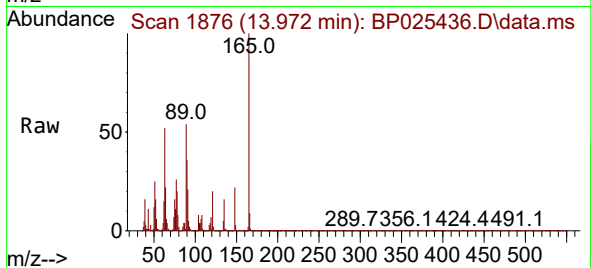
ClientSampleId :

SSTDCCC040EC

Tgt Ion:165 Resp: 31848
Ion Ratio Lower Upper
165 100
63 52.5 40.9 61.3
89 54.4 42.1 63.1

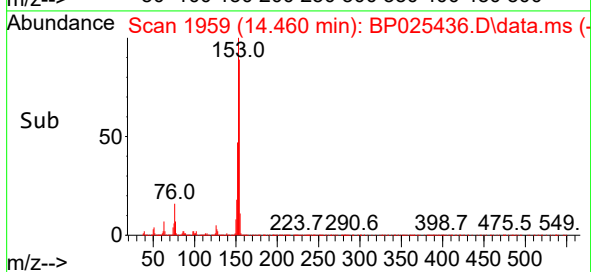
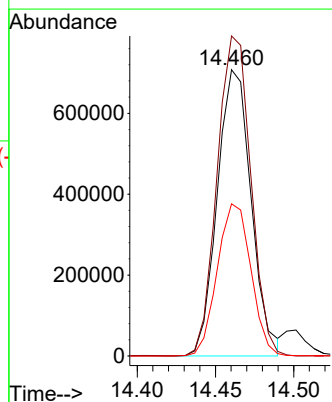
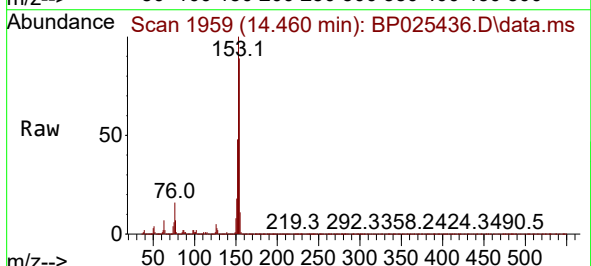
Manual Integrations
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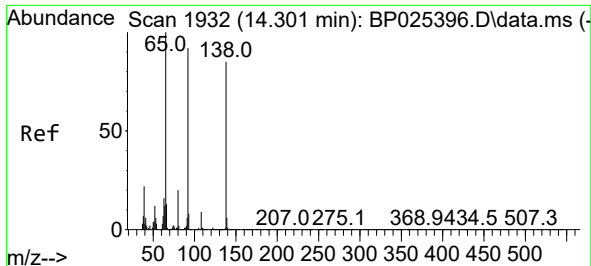
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#52
Acenaphthene
Concen: 42.589 ng m
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

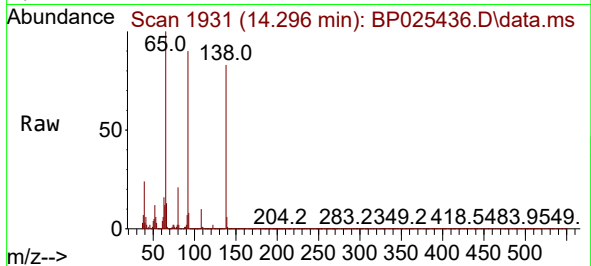
Tgt Ion:154 Resp: 1068266
Ion Ratio Lower Upper
154 100
153 111.8 90.2 135.2
152 53.2 42.1 63.1





#53
3-Nitroaniline
Concen: 44.932 ng
RT: 14.296 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

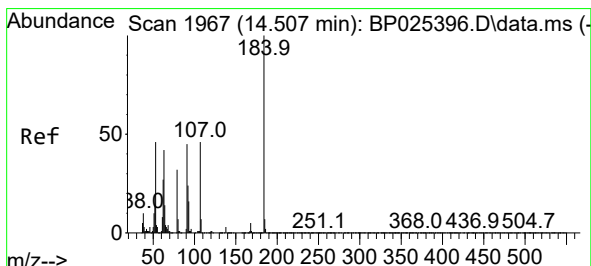
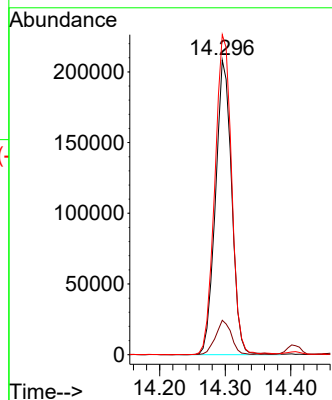
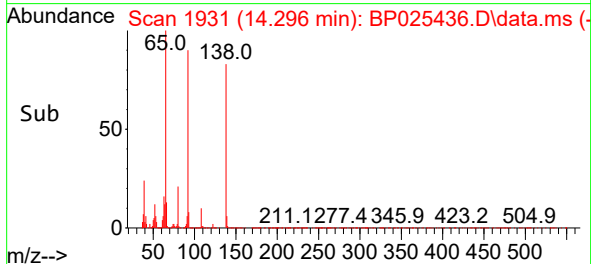
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



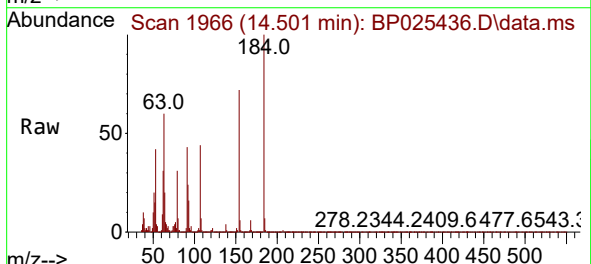
Tgt Ion:138 Resp: 35639
Ion Ratio Lower Upper
138 100
108 11.7 8.3 12.5
92 108.6 86.2 129.2

Manual Integrations
APPROVED

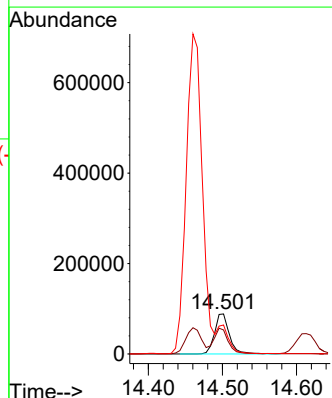
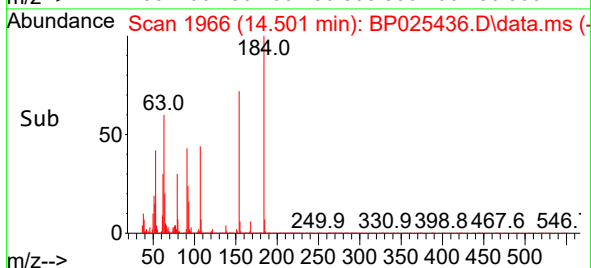
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

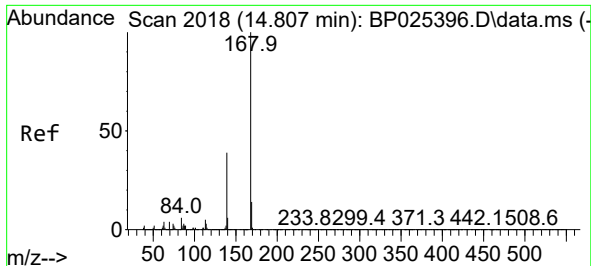


#54
2,4-Dinitrophenol
Concen: 32.634 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



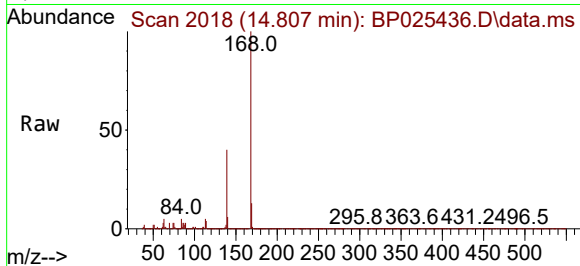
Tgt Ion:184 Resp: 122865
Ion Ratio Lower Upper
184 100
63 60.0 49.4 74.2
154 72.5 54.6 82.0





#55
Dibenzenofuran
Concen: 42.593 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

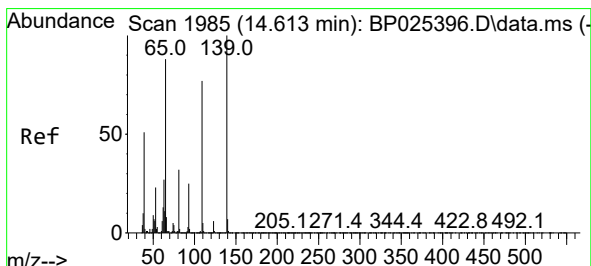
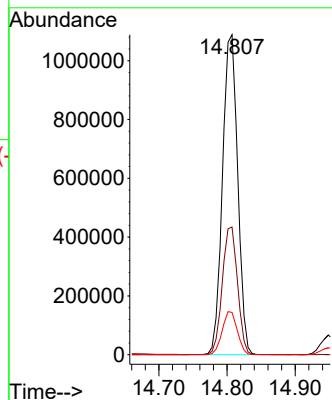
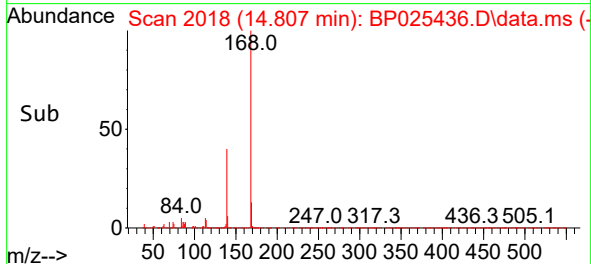
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



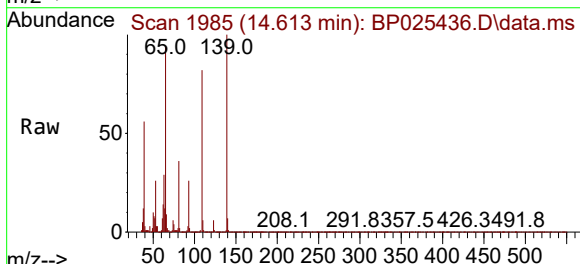
Tgt Ion:168 Resp: 168912
Ion Ratio Lower Upper
168 100
139 39.9 31.5 47.3
169 13.2 10.9 16.3

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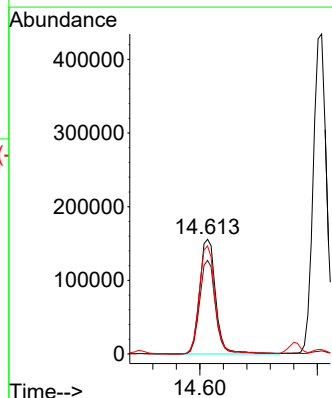
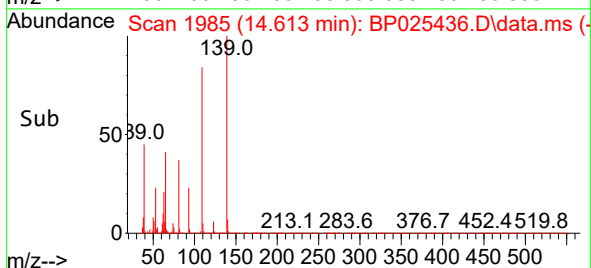
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

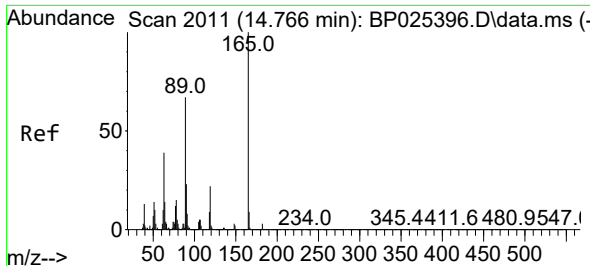


#56
4-Nitrophenol
Concen: 45.358 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:139 Resp: 295639
Ion Ratio Lower Upper
139 100
109 81.5 56.6 96.6
65 94.1 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 45.189 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

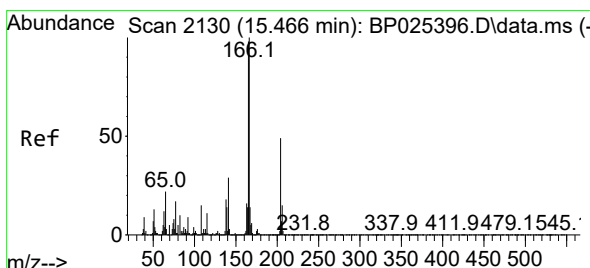
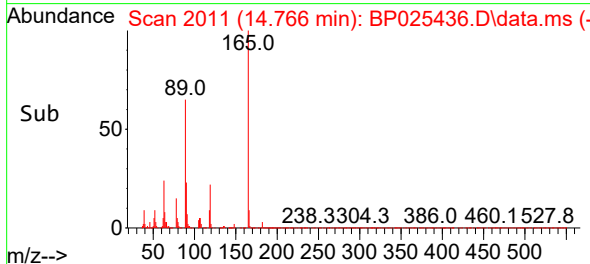
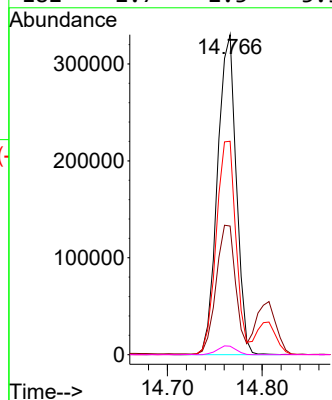
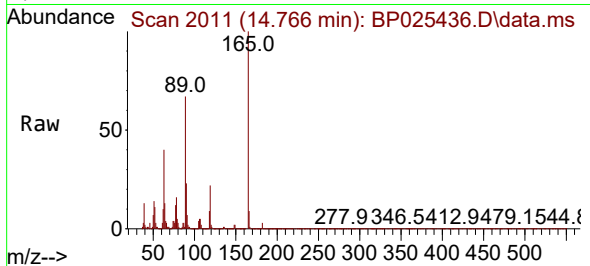
ClientSampleId :

SSTDCCC040EC

Tgt Ion:165 Resp: 45453
Ion Ratio Lower Upper
165 100
63 40.2 31.4 47.2
89 66.7 53.3 79.9
182 2.7 2.3 3.5

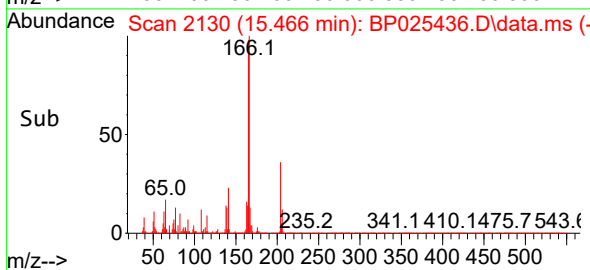
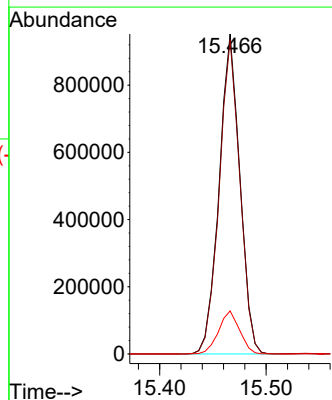
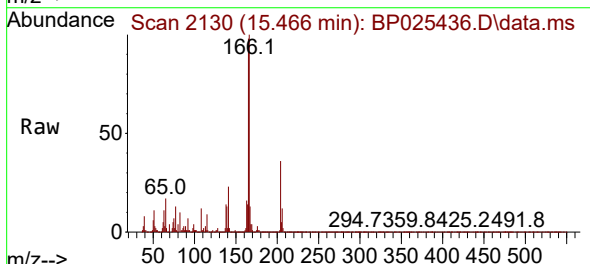
Manual Integrations
APPROVED

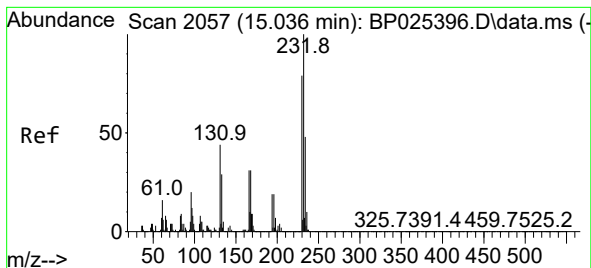
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#58
Fluorene
Concen: 41.160 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

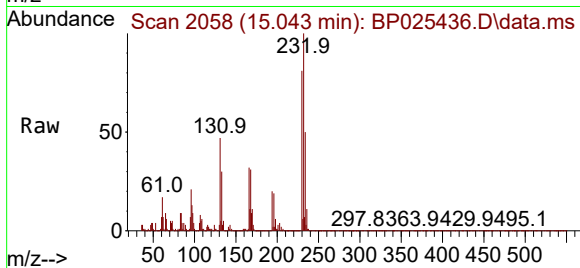
Tgt Ion:166 Resp: 1287972
Ion Ratio Lower Upper
166 100
165 98.2 78.8 118.2
167 13.5 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.201 ng
RT: 15.043 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

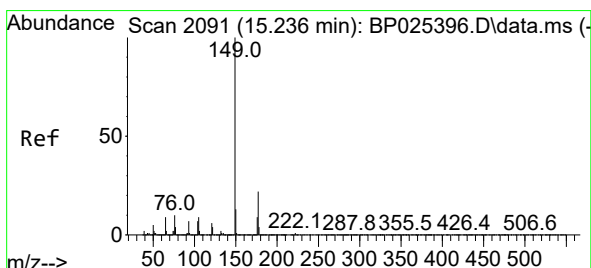
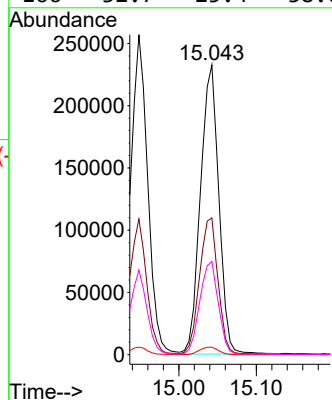
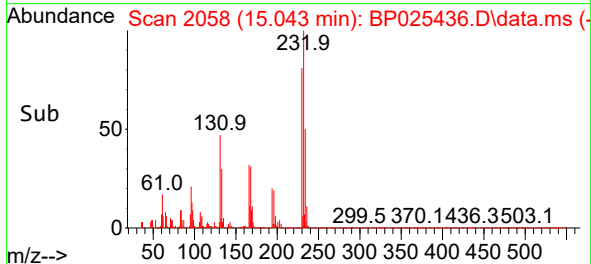
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



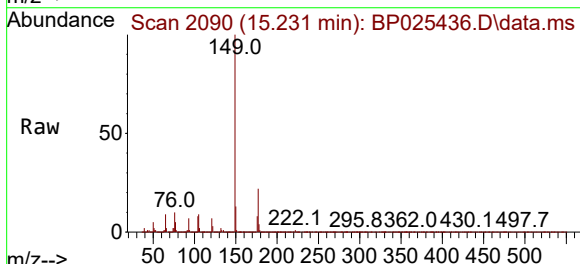
Tgt Ion:232 Resp: 380952
Ion Ratio Lower Upper
232 100
131 48.7 37.0 55.6
130 2.7 1.9 2.9
166 32.7 25.4 38.0

Manual Integrations
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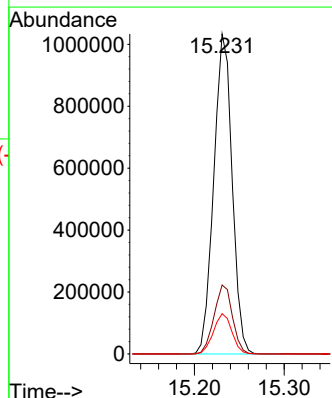
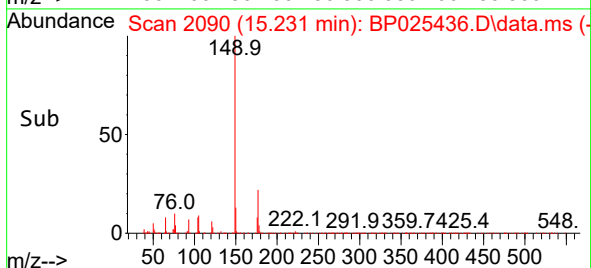
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

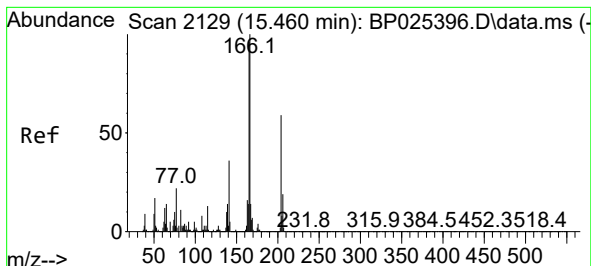


#60
Diethylphthalate
Concen: 43.195 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



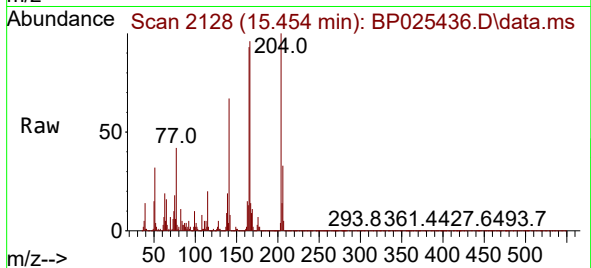
Tgt Ion:149 Resp: 1468089
Ion Ratio Lower Upper
149 100
177 21.5 17.3 25.9
150 12.6 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 41.240 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

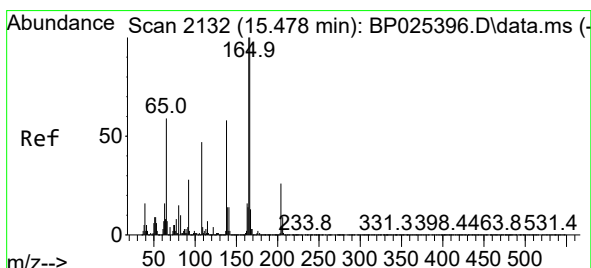
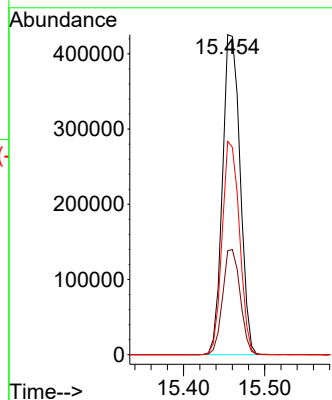
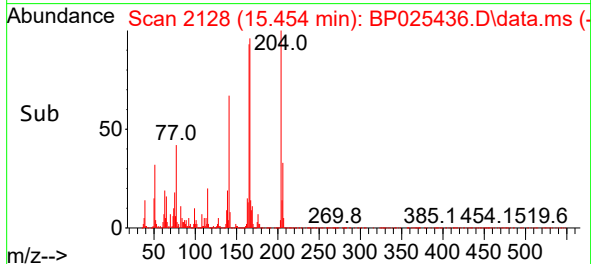
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



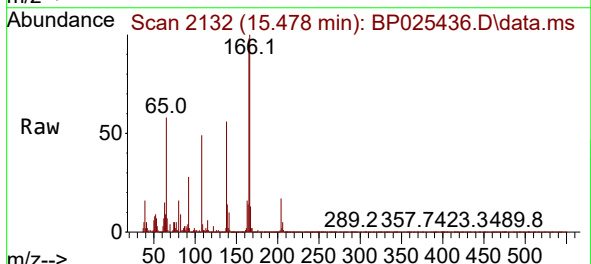
Tgt Ion:204 Resp: 641804
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.8
141 66.7 49.4 74.2

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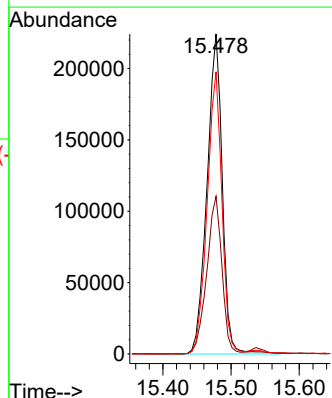
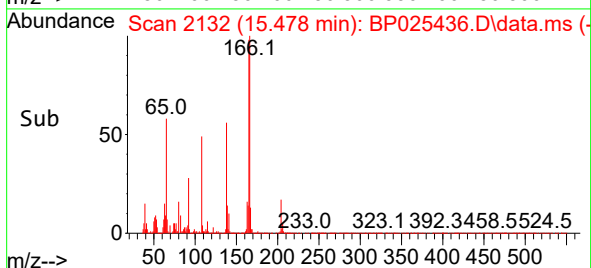
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

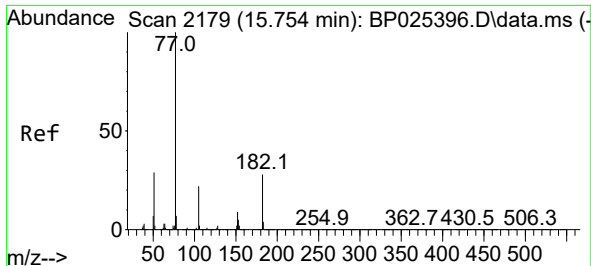


#62
4-Nitroaniline
Concen: 43.130 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



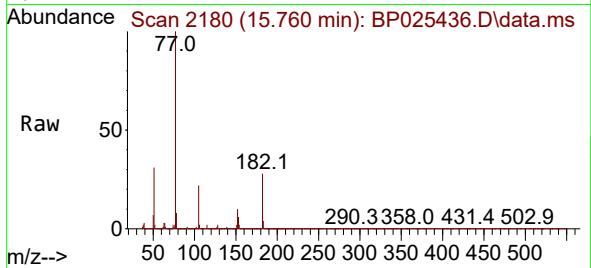
Tgt Ion:138 Resp: 350711
Ion Ratio Lower Upper
138 100
92 49.3 29.1 69.1
108 88.2 61.5 101.5





#63
Azobenzene
Concen: 44.580 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

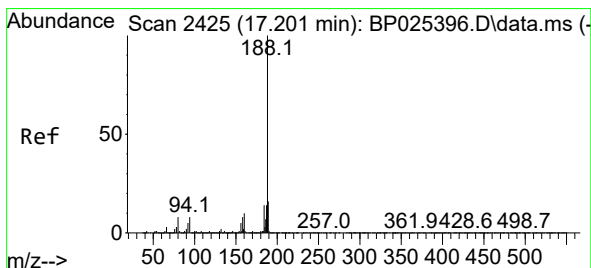
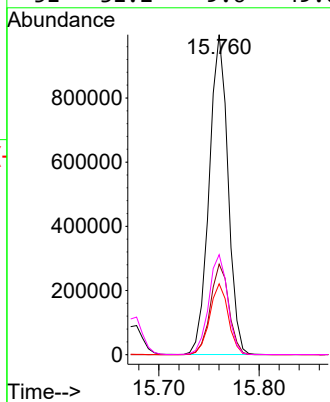
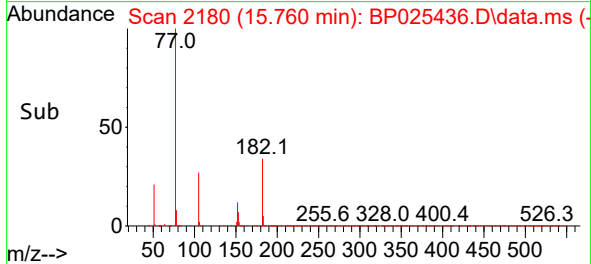
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



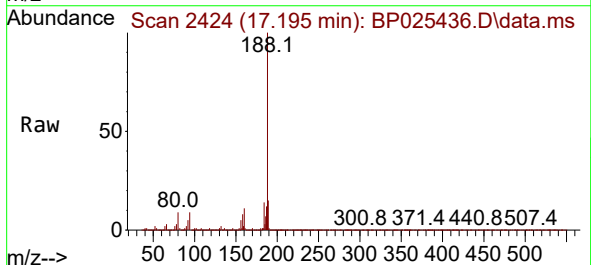
Tgt Ion: 77 Resp: 129735
Ion Ratio Lower Upper
77 100
182 28.3 7.5 47.5
105 22.1 2.1 42.1
51 31.2 9.6 49.6

Manual Integrations
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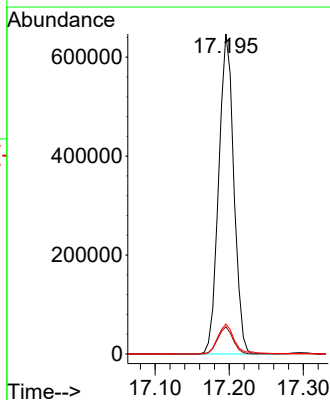
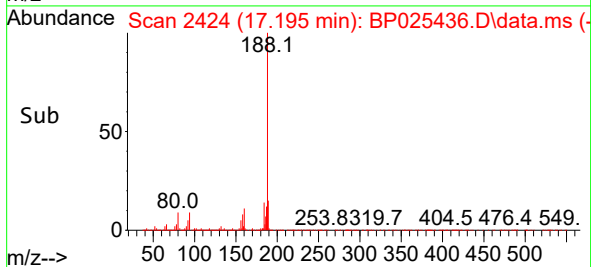
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

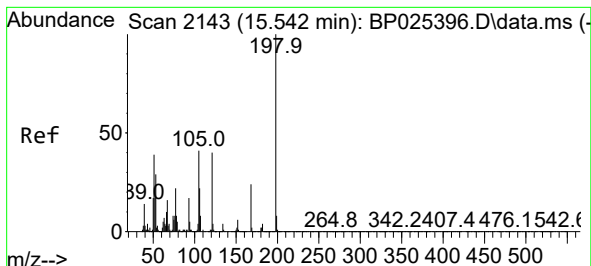


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



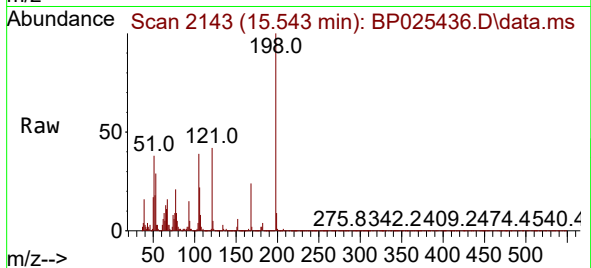
Tgt Ion:188 Resp: 916670
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.3 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 35.341 ng
RT: 15.543 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

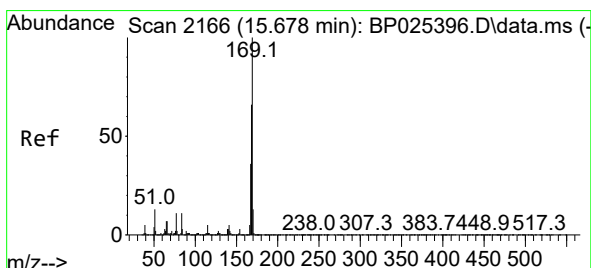
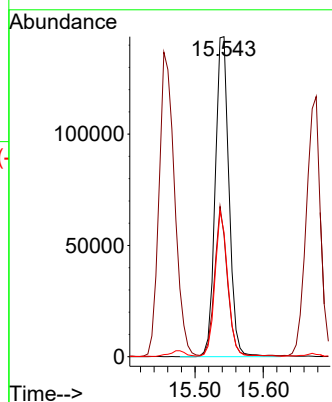
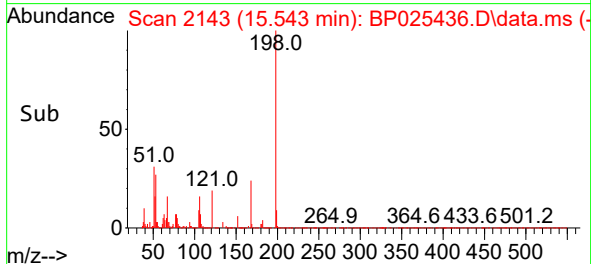
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:198 Resp: 201944
Ion Ratio Lower Upper
198 100
51 37.8 19.6 59.6
105 38.8 20.9 60.9

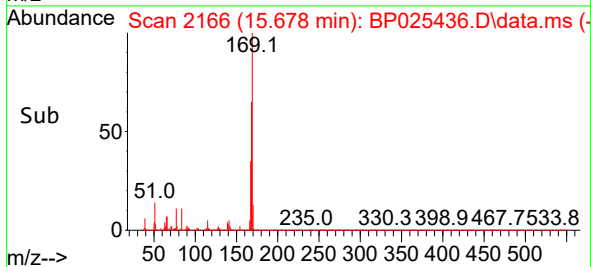
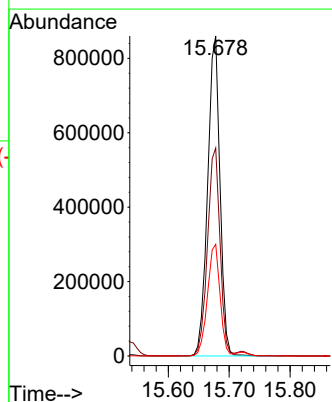
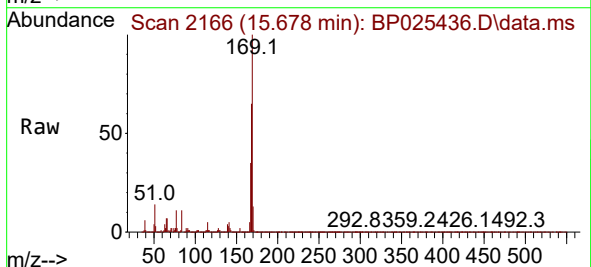
Manual Integrations
APPROVED

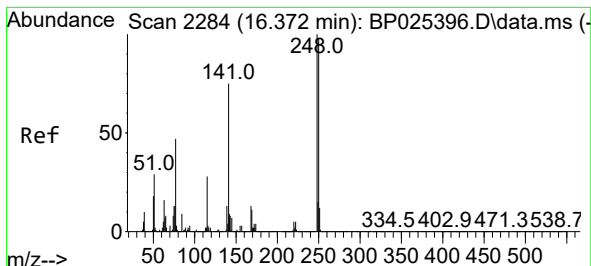
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#66
n-Nitrosodiphenylamine
Concen: 43.243 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:169 Resp: 1208784
Ion Ratio Lower Upper
169 100
168 65.0 53.2 79.8
167 34.9 28.7 43.1





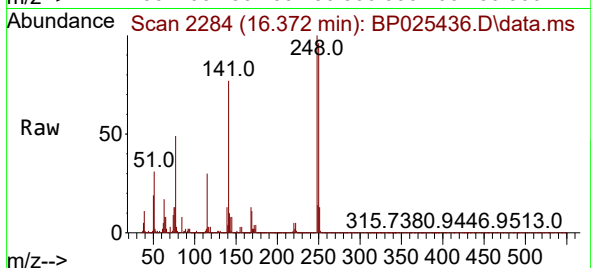
#67
4-Bromophenyl-phenylether
Concen: 43.928 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

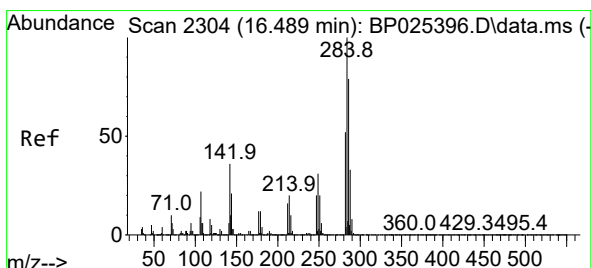
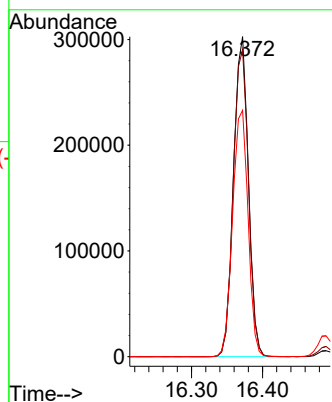
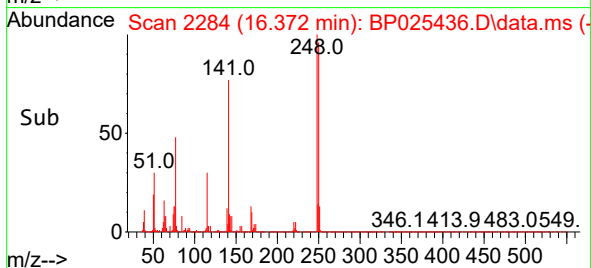


Tgt Ion:248 Resp: 44286
Ion Ratio Lower Upper
248 100
250 96.0 78.2 117.2
141 77.0 59.6 89.4

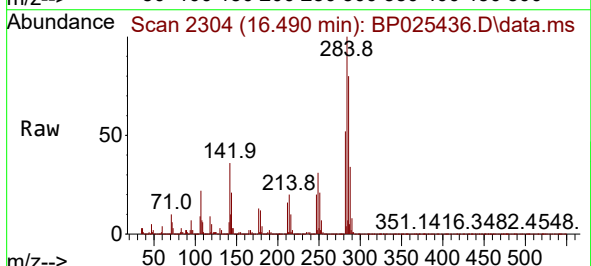
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Reviewed By :Rahul Chavli 08/18/2025

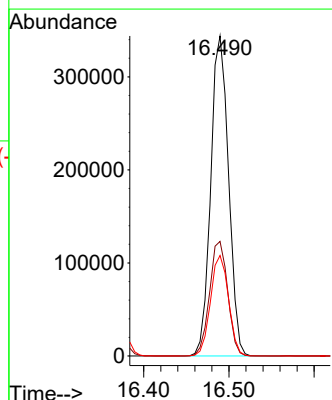
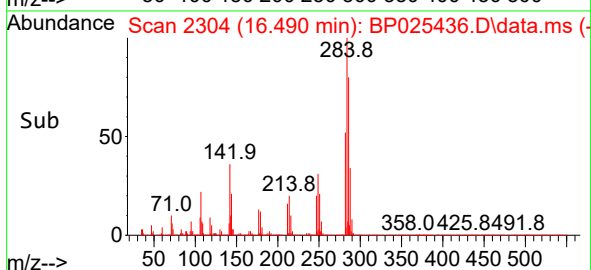
Supervised By :Jagrut Upadhyay 08/18/2025

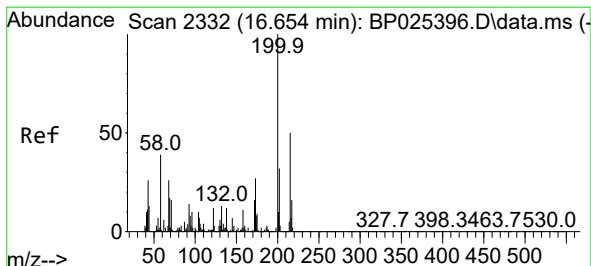


#68
Hexachlorobenzene
Concen: 42.691 ng
RT: 16.490 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:284 Resp: 498920
Ion Ratio Lower Upper
284 100
142 35.8 29.1 43.7
249 31.4 25.0 37.4





#69

Atrazine

Concen: 43.775 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

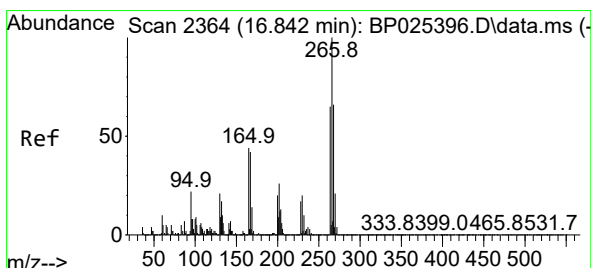
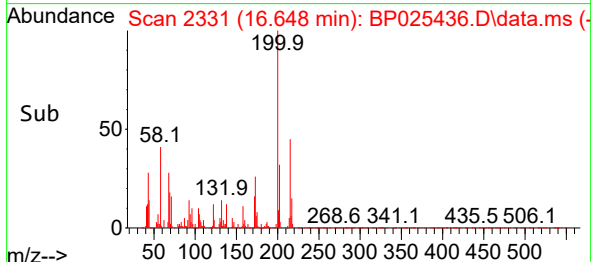
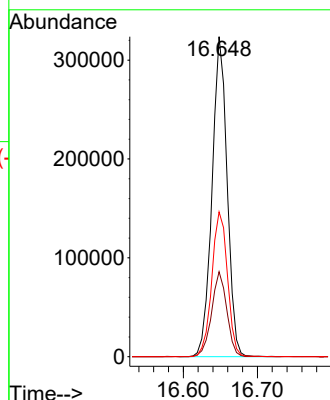
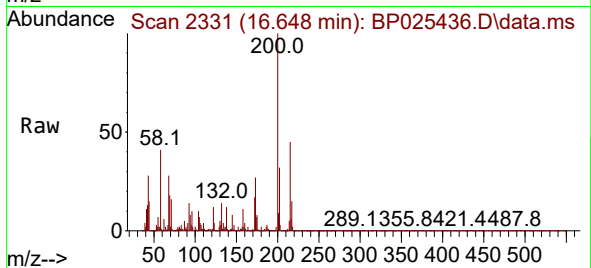
Tgt Ion:	200	Resp:	45825
Ion Ratio	Lower	Upper	
200	100		
173	26.6	6.7	46.7
215	45.3	29.7	69.7

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#70

Pentachlorophenol

Concen: 44.342 ng

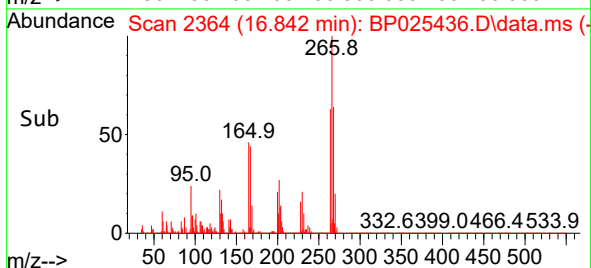
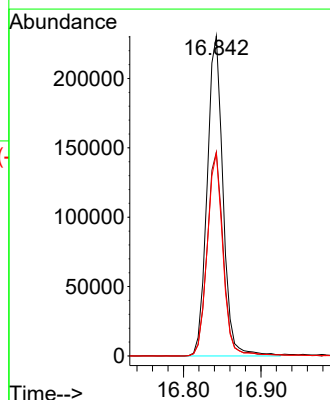
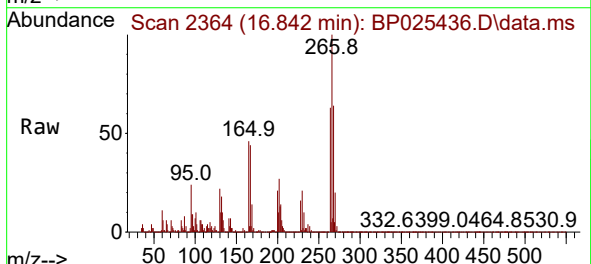
RT: 16.842 min Scan# 2364

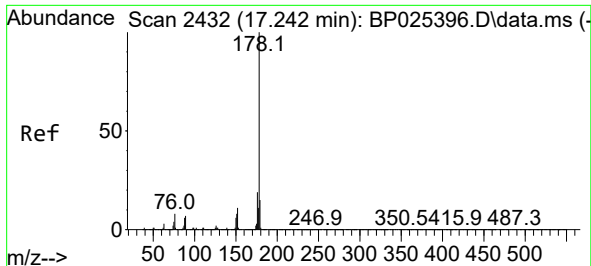
Delta R.T. 0.000 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

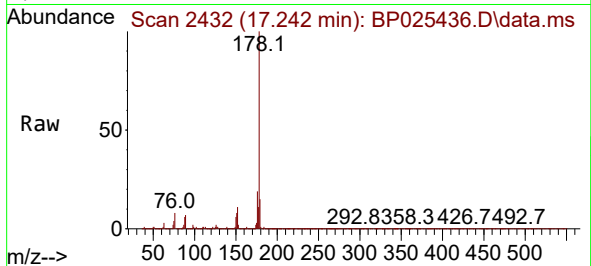
Tgt Ion:	266	Resp:	327120
Ion Ratio	Lower	Upper	
266	100		
268	63.7	52.6	79.0
264	63.4	52.0	78.0





#71
Phenanthrene
Concen: 42.302 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

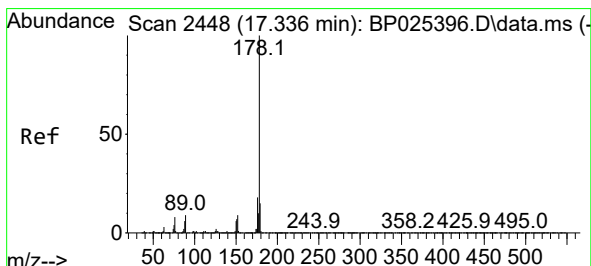
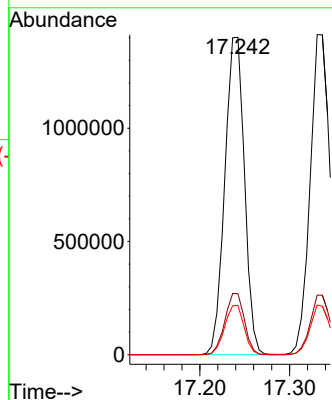
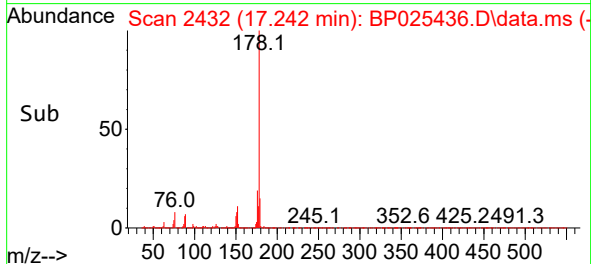
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:178 Resp: 213015
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.4

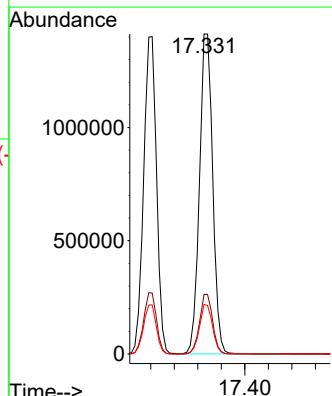
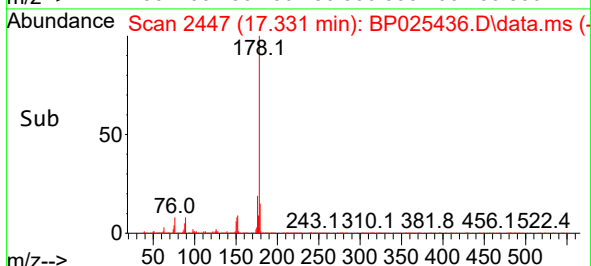
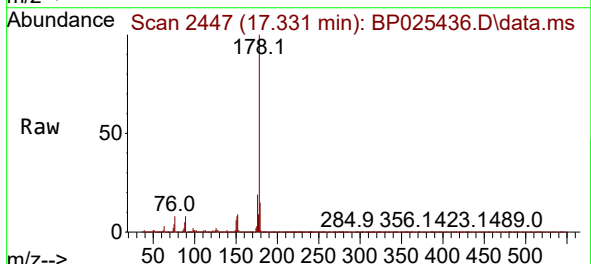
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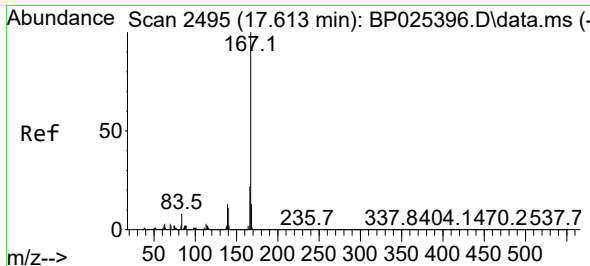
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#72
Anthracene
Concen: 42.872 ng
RT: 17.331 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

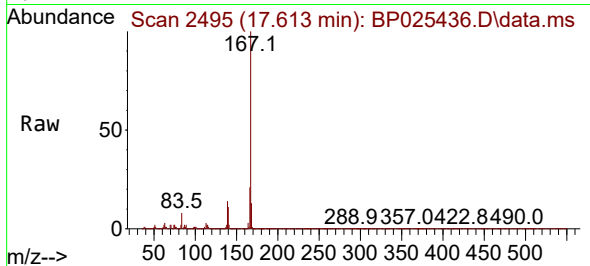
Tgt Ion:178 Resp: 2204625
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.5 12.2 18.2





#73
 Carbazole
 Concen: 42.695 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

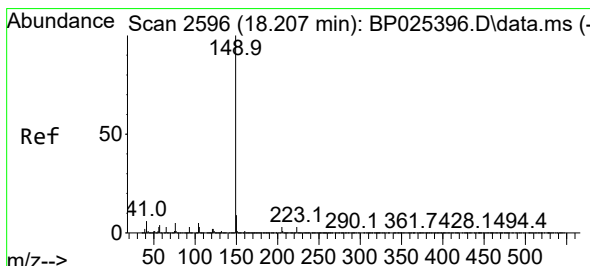
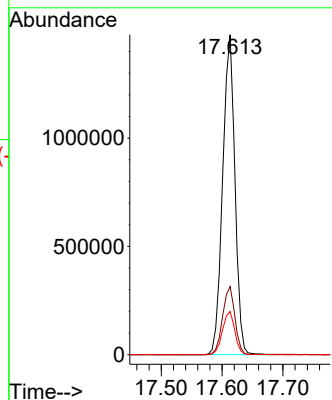
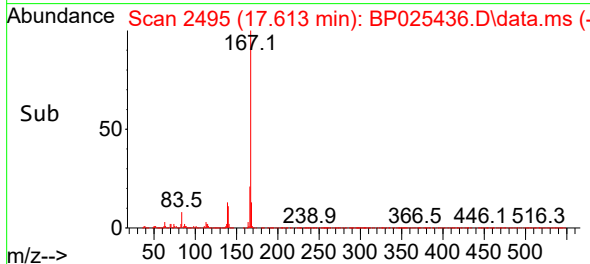
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC



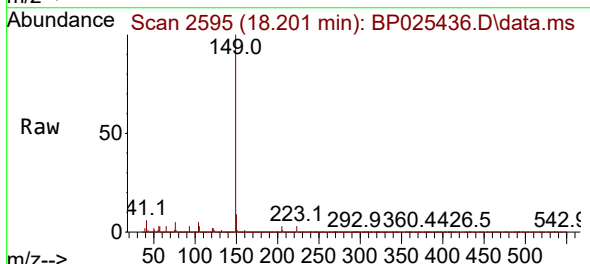
Tgt Ion:167 Resp: 206799
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.5 26.3
 139 13.5 10.6 16.0

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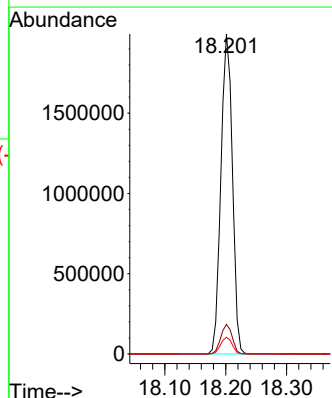
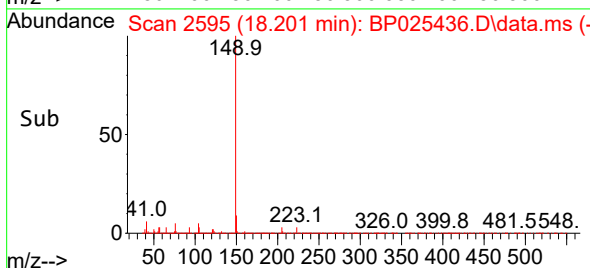
Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

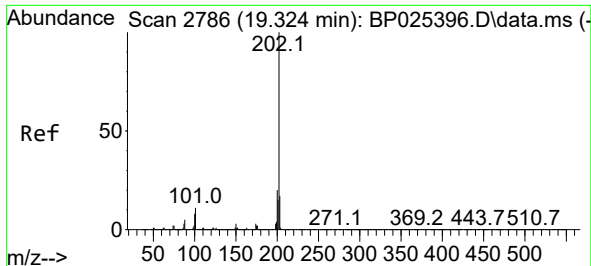


#74
 Di-n-butylphthalate
 Concen: 43.693 ng
 RT: 18.201 min Scan# 2595
 Delta R.T. -0.006 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03



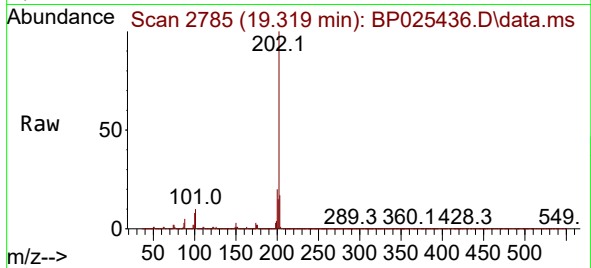
Tgt Ion:149 Resp: 2603783
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 41.933 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

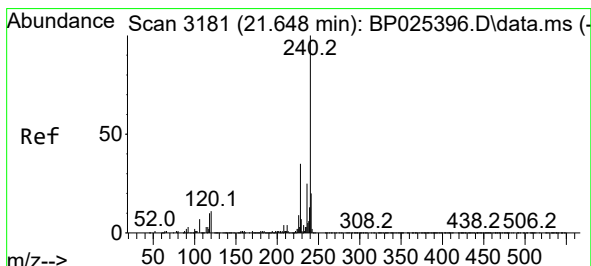
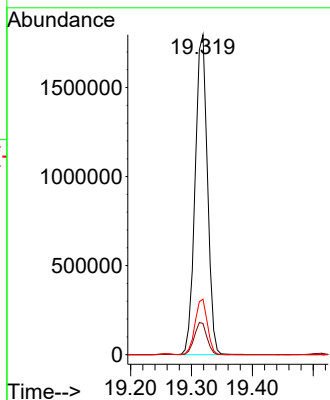
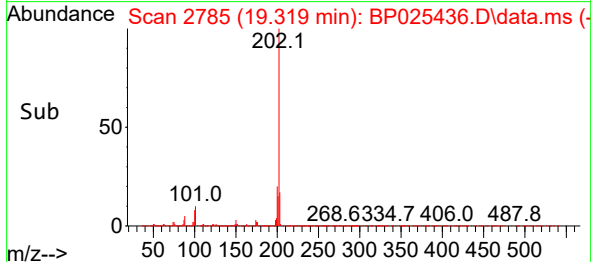
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:202 Resp: 251875
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.1
203 17.3 0.0 37.3

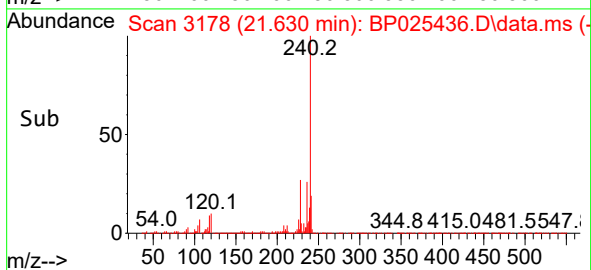
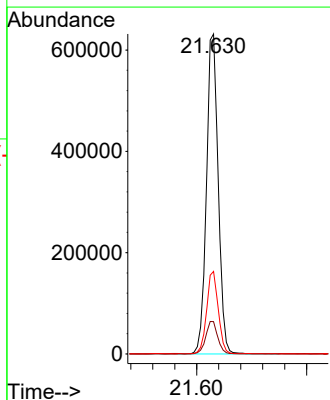
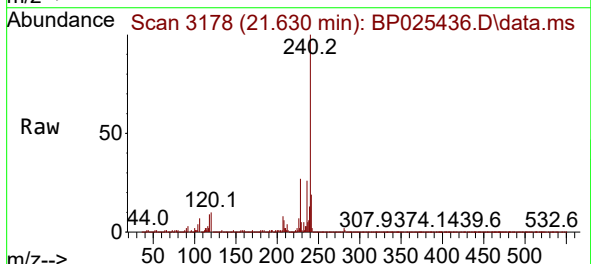
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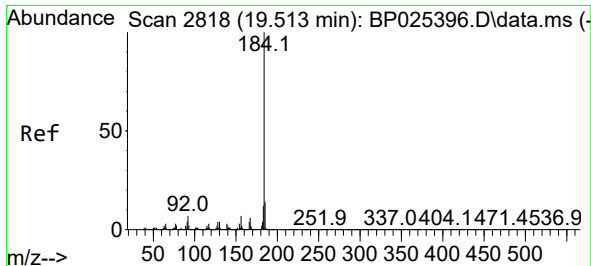
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

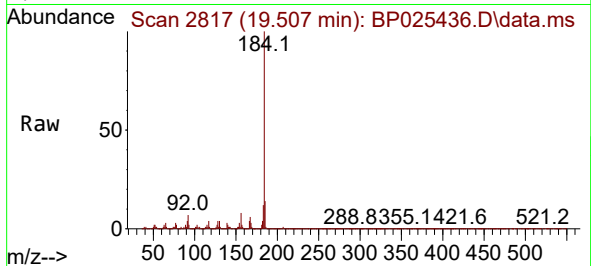
Tgt Ion:240 Resp: 933454
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.8 19.8 29.8





#77
Benzidine
Concen: 47.349 ng
RT: 19.507 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

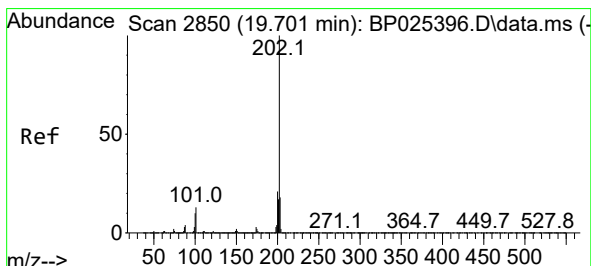
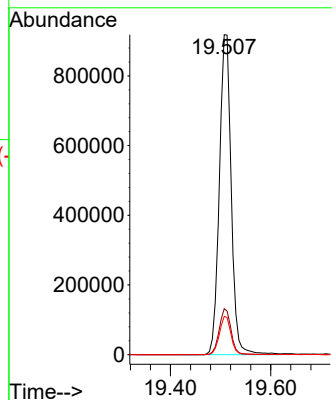
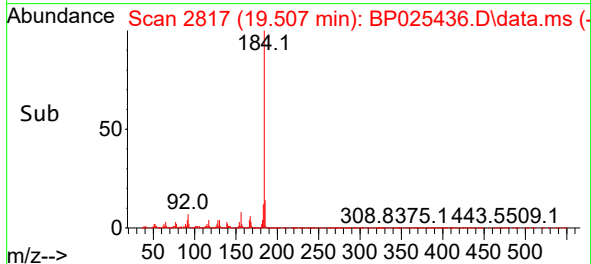
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:184 Resp: 1508404
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 12.0 9.4 14.2

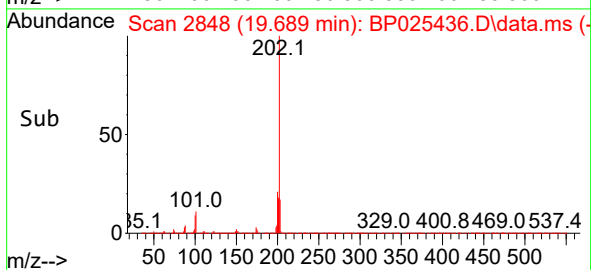
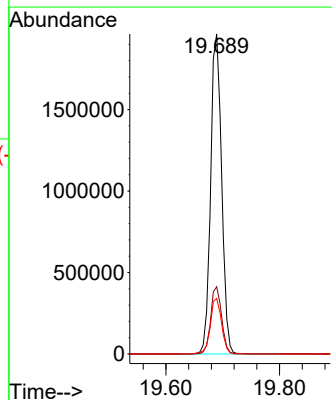
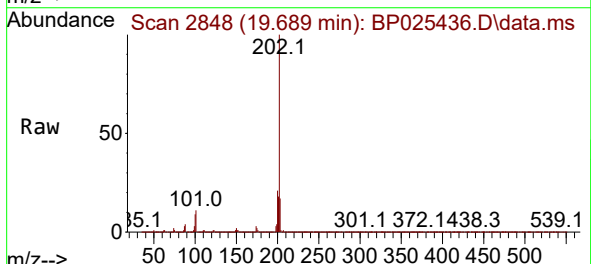
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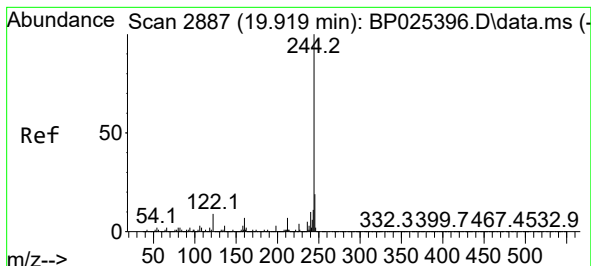
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#78
Pyrene
Concen: 43.183 ng
RT: 19.689 min Scan# 2848
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:202 Resp: 2619981
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 85.603 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:244 Resp: 4367510

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

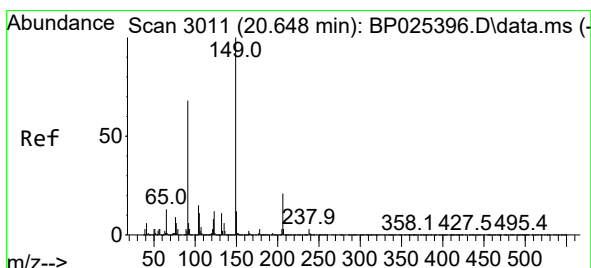
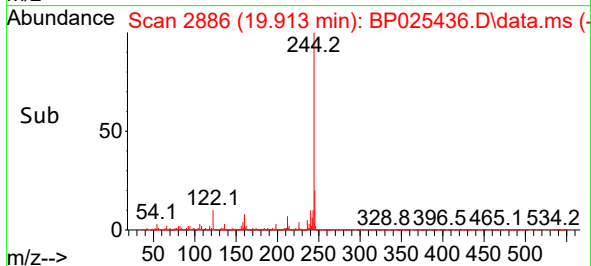
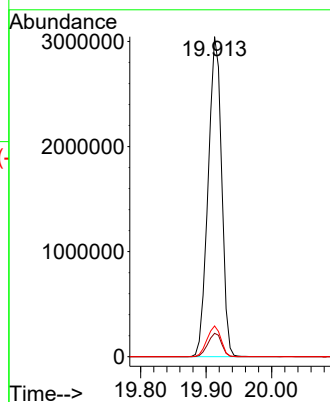
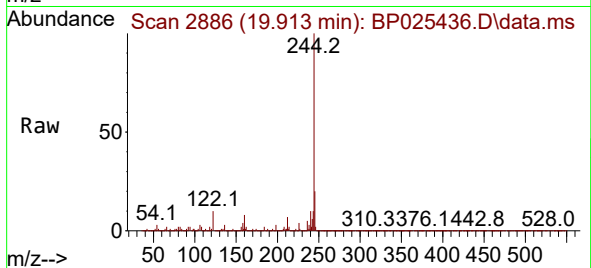
122 9.6 7.4 11.2

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#80

Butylbenzylphthalate

Concen: 45.693 ng

RT: 20.642 min Scan# 3010

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

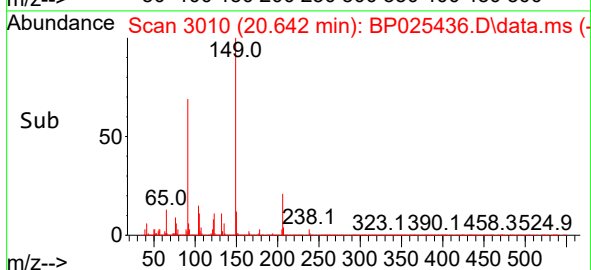
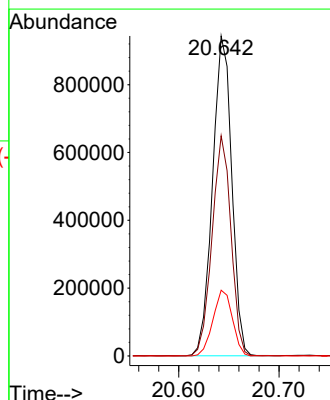
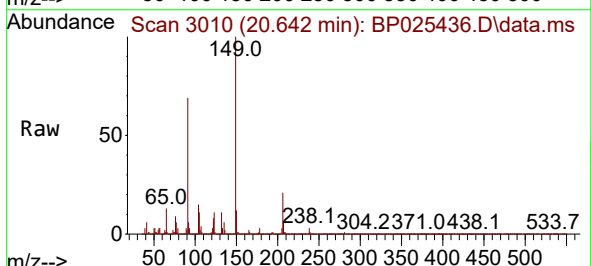
Tgt Ion:149 Resp: 1256440

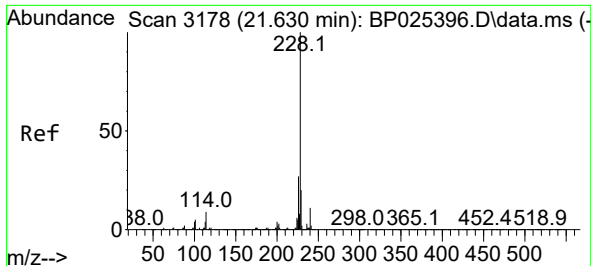
Ion Ratio Lower Upper

149 100

91 68.8 54.2 81.2

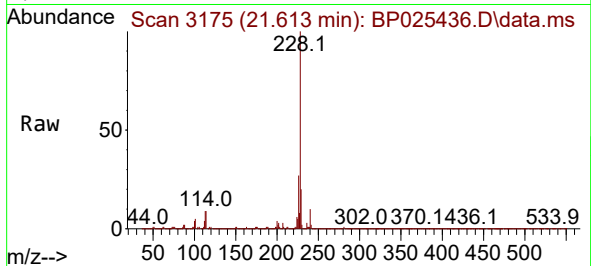
206 20.6 16.6 24.8





#81
Benzo(a)anthracene
Concen: 42.665 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

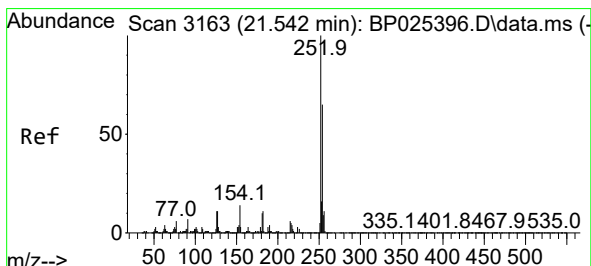
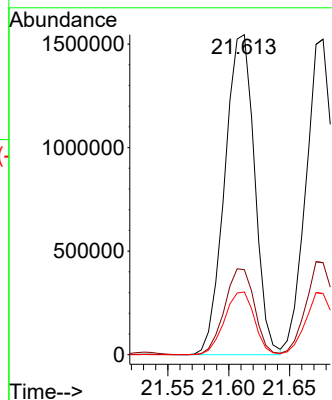
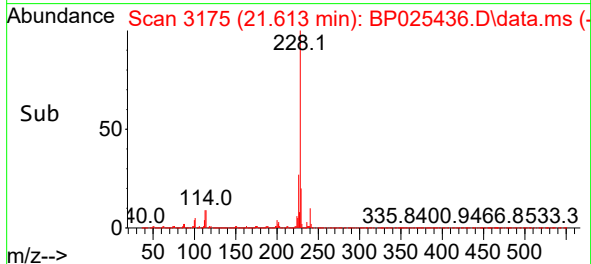
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



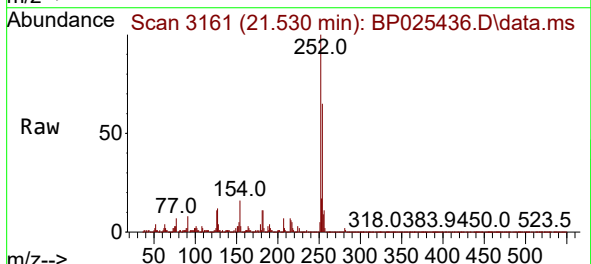
Tgt Ion:228 Resp: 2626510
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.6 15.6 23.4

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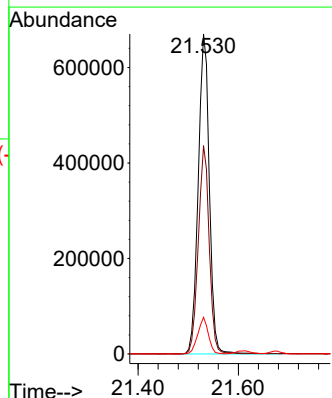
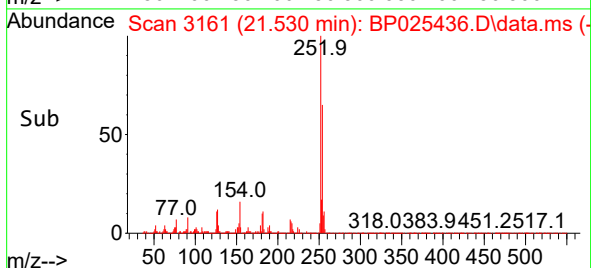
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

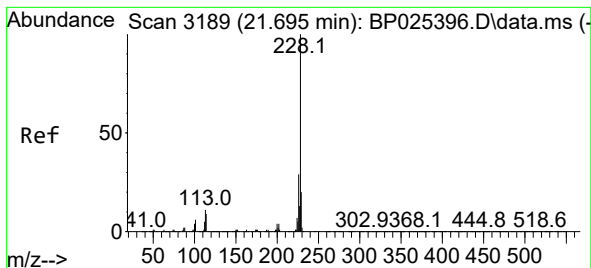


#82
3,3'-Dichlorobenzidine
Concen: 44.224 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:252 Resp: 1026166
Ion Ratio Lower Upper
252 100
254 65.1 51.8 77.6
126 11.5 9.1 13.7





#83

Chrysene

Concen: 42.767 ng

RT: 21.677 min Scan# 3189

Delta R.T. -0.017 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:228 Resp: 246563

Ion Ratio Lower Upper

228 100

226 29.1 23.2 34.8

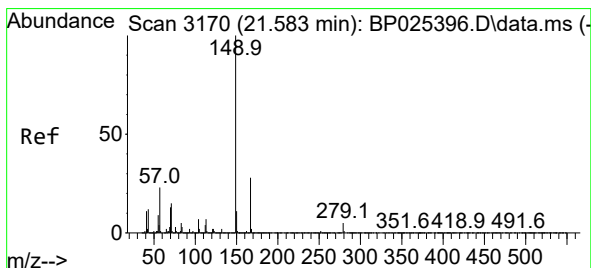
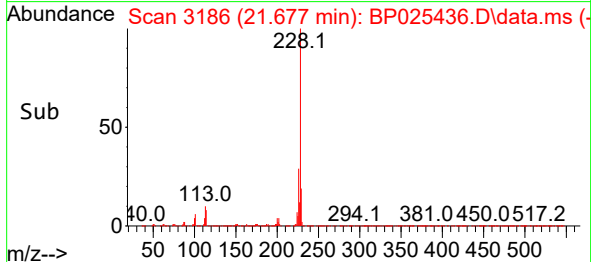
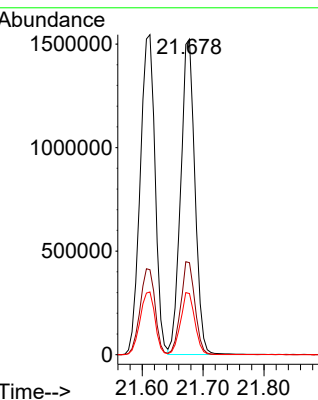
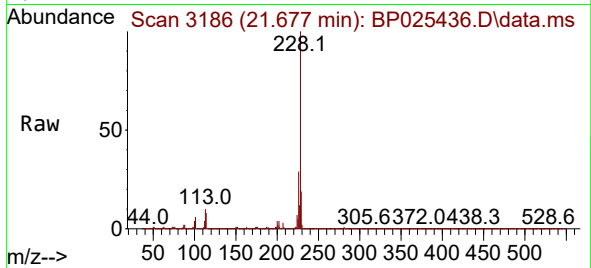
229 19.4 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.485 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.023 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

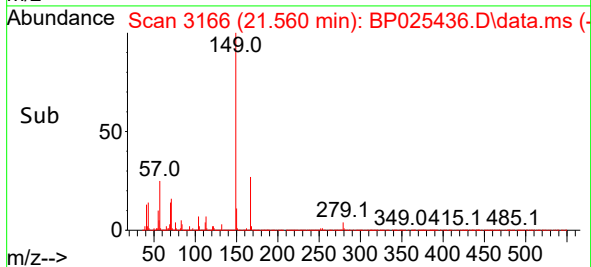
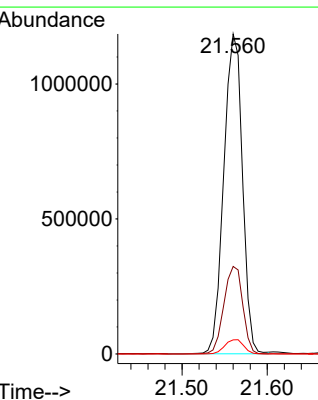
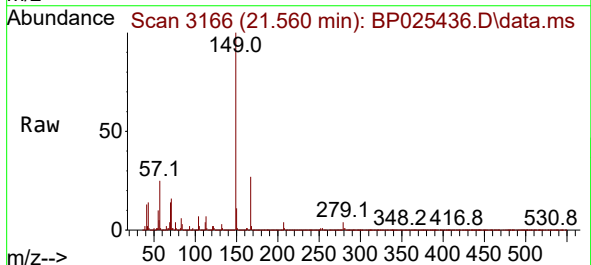
Tgt Ion:149 Resp: 1800639

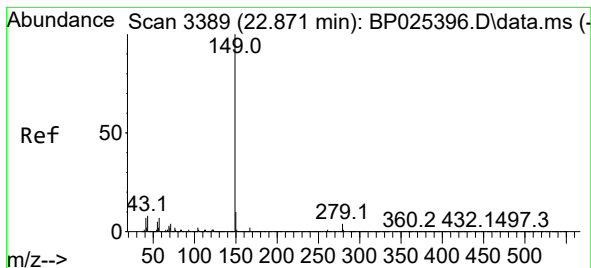
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

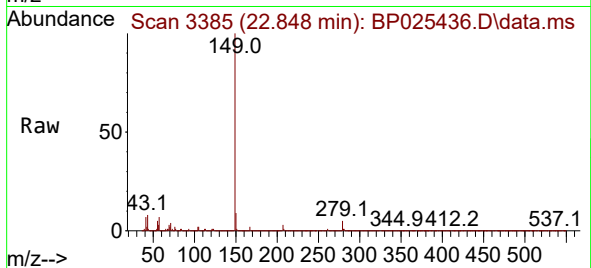
279 4.4 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 45.079 ng
RT: 22.848 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

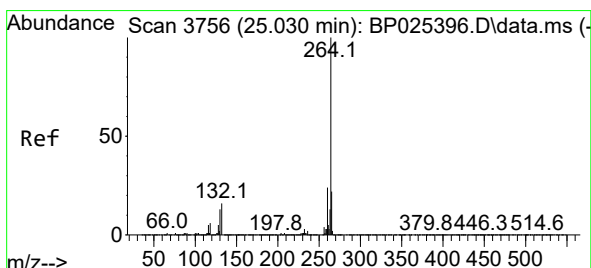
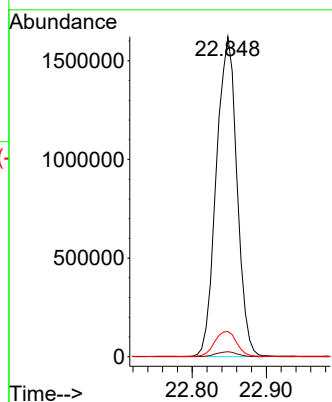
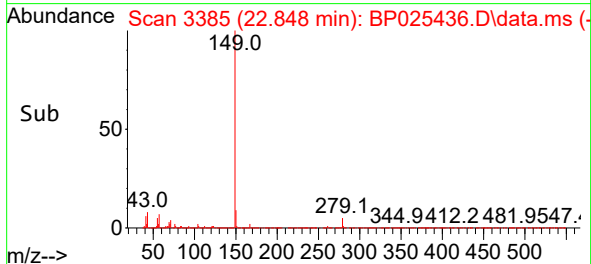
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



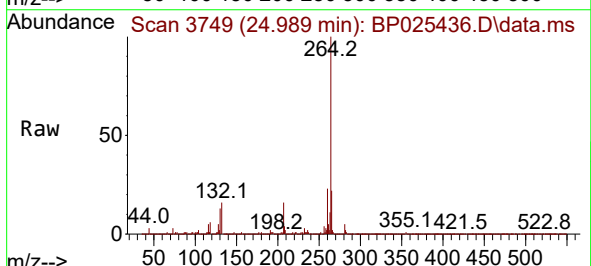
Tgt Ion:149 Resp: 3138510
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 6.3 9.5

Manual Integrations
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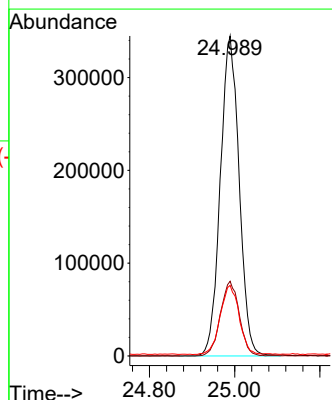
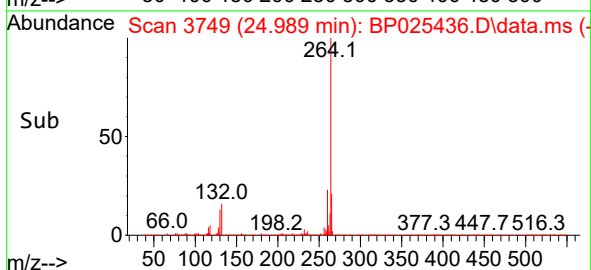
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

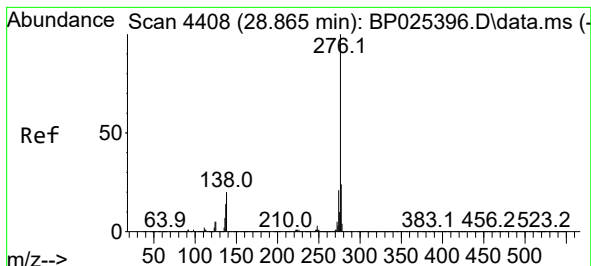


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:264 Resp: 1056853
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.530 ng

RT: 28.807 min Scan# 41

Delta R.T. -0.059 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:276 Resp: 3296270

Ion Ratio Lower Upper

276 100

138 16.0 12.9 19.3

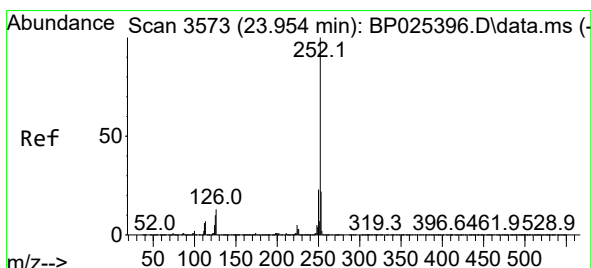
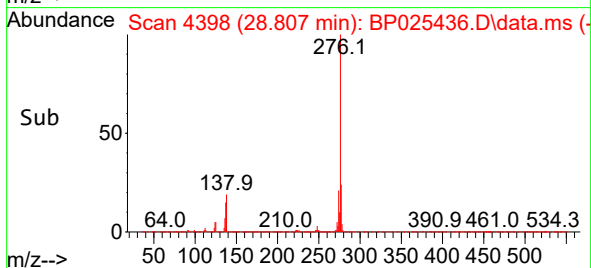
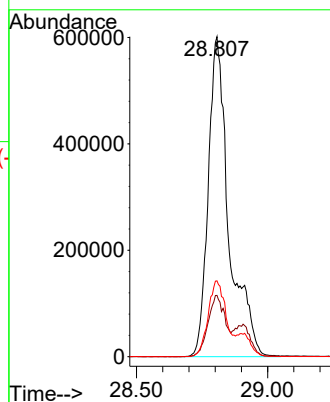
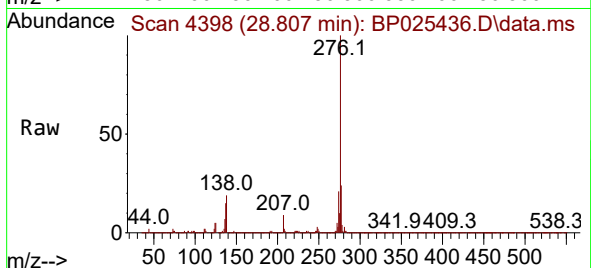
277 20.8 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#88

Benzo(b)fluoranthene

Concen: 43.518 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.023 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

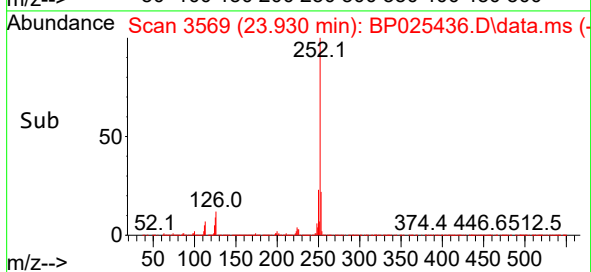
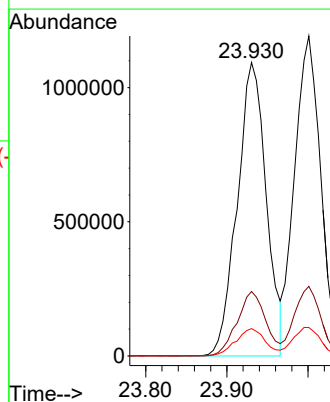
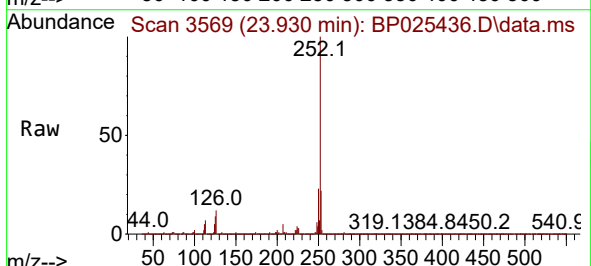
Tgt Ion:252 Resp: 2712012

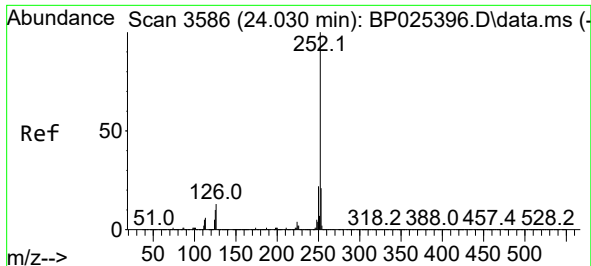
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

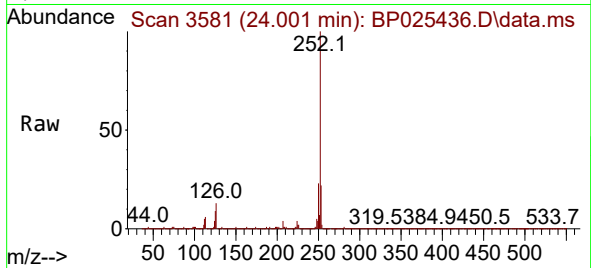
125 9.3 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 42.878 ng
RT: 24.001 min Scan# 3586
Delta R.T. -0.029 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

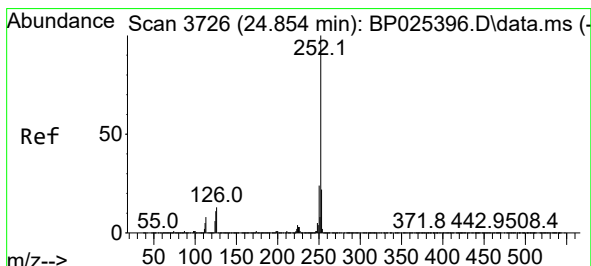
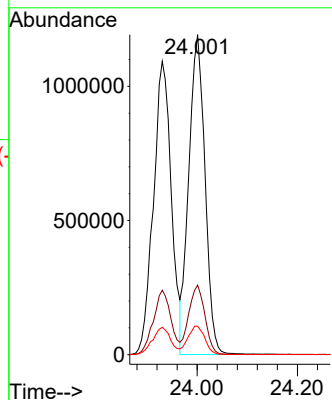
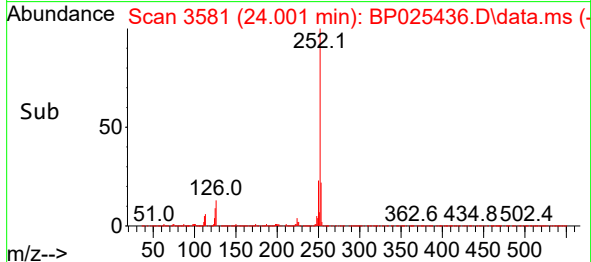
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



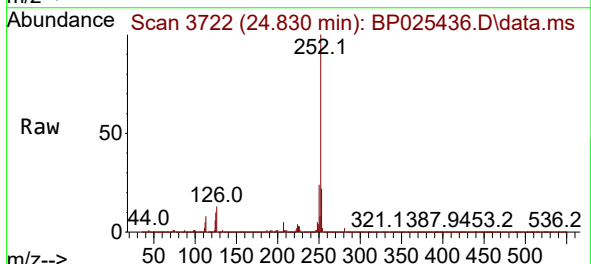
Tgt Ion:252 Resp: 267396
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 8.9 7.8 11.6

Manual Integrations
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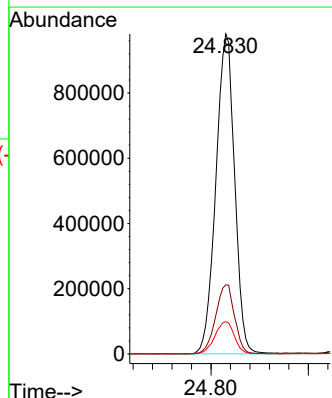
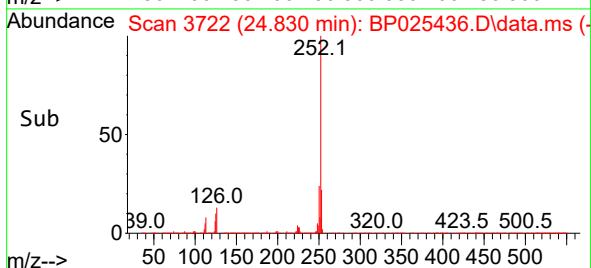
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

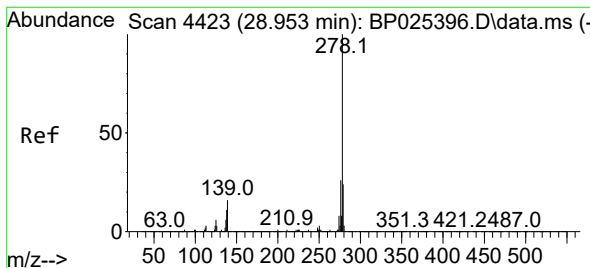


#90
Benzo(a)pyrene
Concen: 43.232 ng
RT: 24.830 min Scan# 3722
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:252 Resp: 2622614
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.1 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 42.888 ng

RT: 28.912 min Scan# 4416

Delta R.T. -0.041 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:278 Resp: 271644

Ion Ratio Lower Upper

278 100

139 14.4 13.0 19.4

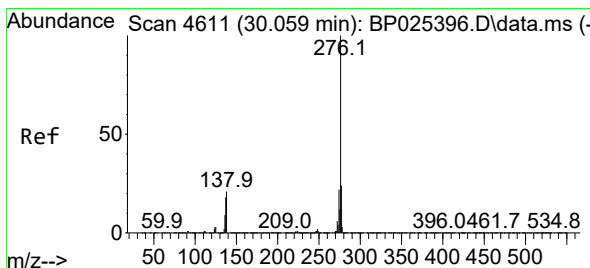
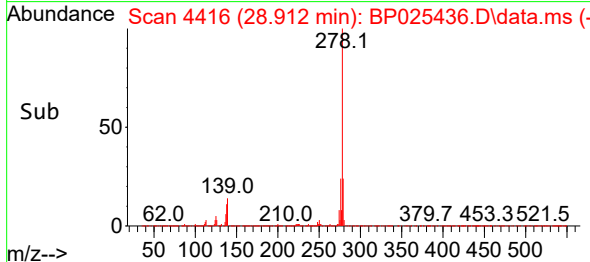
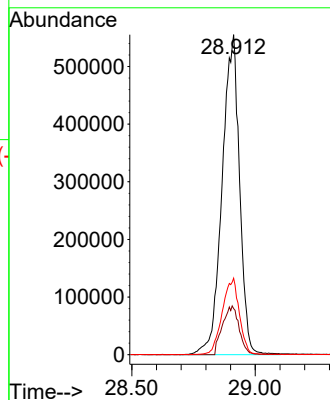
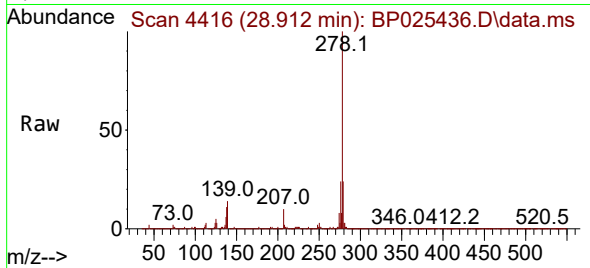
279 23.9 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#92

Benzo(g,h,i)perylene

Concen: 42.750 ng

RT: 30.006 min Scan# 4602

Delta R.T. -0.053 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

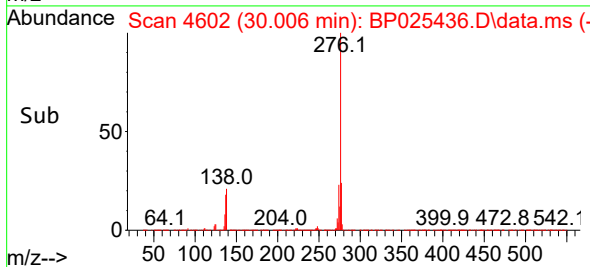
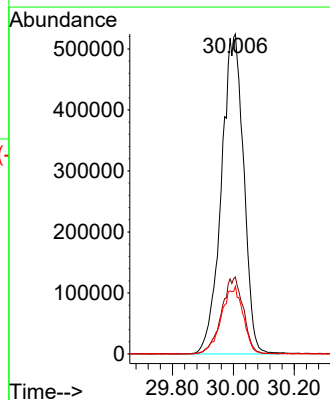
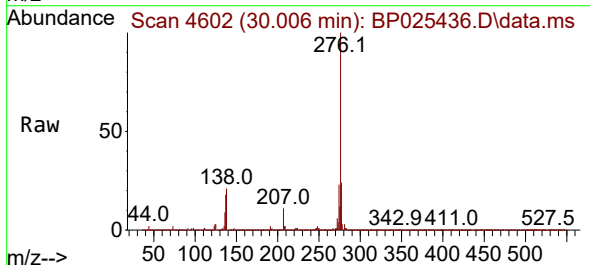
Tgt Ion:276 Resp: 2661609

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 21.2 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
2	1,4-Dioxane	0.472	0.484	-2.5	114	0.00
3	Pyridine	1.291	1.322	-2.4	114	0.00
4	n-Nitrosodimethylamine	0.532	0.604	-13.5	124	0.00
5 S	2-Fluorophenol	1.204	1.297	-7.7	118	0.00
6	Aniline	2.080	2.280	-9.6	119	0.00
7 S	Phenol-d6	1.544	1.709	-10.7	119	0.00
8	2-Chlorophenol	1.359	1.491	-9.7	120	0.00
9	Benzaldehyde	1.082	1.315	-21.5	101	0.00
10 C	Phenol	1.620	1.777	-9.7	119	0.00
11	bis(2-Chloroethyl)ether	1.263	1.365	-8.1	118	0.00
12	1,3-Dichlorobenzene	1.499	1.634	-9.0	119	0.00
13 C	1,4-Dichlorobenzene	1.532	1.645	-7.4	118	0.00
14	1,2-Dichlorobenzene	1.483	1.596	-7.6	118	0.00
15	Benzyl Alcohol	1.227	1.369	-11.6	121	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.910	-12.9	124	0.00
17	2-Methylphenol	1.125	1.247	-10.8	119	0.00
18	Hexachloroethane	0.563	0.621	-10.3	120	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.110	-8.5	118	0.00
20	3+4-Methylphenols	1.560	1.699	-8.9	117	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22	Acetophenone	0.502	0.537	-7.0	118	0.00
23 S	Nitrobenzene-d5	0.395	0.431	-9.1	121	0.00
24	Nitrobenzene	0.353	0.388	-9.9	121	0.00
25	Isophorone	0.700	0.727	-3.9	116	0.00
26 C	2-Nitrophenol	0.181	0.199	-9.9	118	0.00
27	2,4-Dimethylphenol	0.312	0.339	-8.7	118	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.448	-5.9	118	0.00
29 C	2,4-Dichlorophenol	0.310	0.343	-10.6	120	0.00
30	1,2,4-Trichlorobenzene	0.340	0.363	-6.8	119	0.00
31	Naphthalene	1.040	1.097	-5.5	117	0.00
32	Benzoic acid	0.230	0.244	-6.1	115	0.00
33	4-Chloroaniline	0.459	0.488	-6.3	116	0.00
34 C	Hexachlorobutadiene	0.211	0.230	-9.0	120	0.00
35	Caprolactam	0.114	0.118	-3.5	116	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.379	-6.8	117	0.00
37	2-Methylnaphthalene	0.676	0.710	-5.0	117	-0.01
38	1-Methylnaphthalene	0.719	0.744	-3.5	116	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.633	-9.5	117	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.323	7.4	96	0.00
42 S	2,4,6-Tribromophenol	0.269	0.298	-10.8	117	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.436	-11.8	118	0.00
44	2,4,5-Trichlorophenol	0.427	0.482	-12.9	118	0.00
45 S	2-Fluorobiphenyl	1.463	1.527	-4.4	114	0.00
46	1,1'-Biphenyl	1.453	1.590	-9.4	117	0.00
47	2-Chloronaphthalene	1.131	1.227	-8.5	115	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025436.D
 Acq On : 15 Aug 2025 21:03
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.382	-16.1	120	0.00
49	Acenaphthylene	1.871	2.004	-7.1	115	0.00
50	Dimethylphthalate	1.465	1.593	-8.7	118	-0.01
51	2,6-Dinitrotoluene	0.309	0.349	-12.9	117	0.00
52 C	Acenaphthene	1.098	1.169	-6.5	116	0.00
53	3-Nitroaniline	0.347	0.390	-12.4	118	0.00
54 P	2,4-Dinitrophenol	0.165	0.134	18.8	85	0.00
55	Dibenzofuran	1.736	1.849	-6.5	114	0.00
56 P	4-Nitrophenol	0.285	0.324	-13.7	120	0.00
57	2,4-Dinitrotoluene	0.440	0.498	-13.2	118	0.00
58	Fluorene	1.370	1.410	-2.9	112	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.417	-10.6	117	0.00
60	Diethylphthalate	1.488	1.607	-8.0	116	0.00
61	4-Chlorophenyl-phenylether	0.681	0.703	-3.2	112	0.00
62	4-Nitroaniline	0.356	0.384	-7.9	113	0.00
63	Azobenzene	1.274	1.420	-11.5	119	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.110	12.0	93	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.659	-8.0	116	0.00
67	4-Bromophenyl-phenylether	0.220	0.242	-10.0	118	0.00
68	Hexachlorobenzene	0.255	0.272	-6.7	116	0.00
69	Atrazine	0.228	0.250	-9.6	119	0.00
70 C	Pentachlorophenol	0.161	0.178	-10.6	117	0.00
71	Phenanthrene	1.099	1.162	-5.7	116	0.00
72	Anthracene	1.122	1.203	-7.2	116	0.00
73	Carbazole	1.057	1.128	-6.7	116	0.00
74	Di-n-butylphthalate	1.300	1.420	-9.2	118	0.00
75 C	Fluoranthene	1.311	1.374	-4.8	116	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	104	-0.02
77	Benzydine	0.683	0.808	-18.3	87	0.00
78	Pyrene	1.300	1.403	-7.9	114	-0.01
79 S	Terphenyl-d14	1.093	1.170	-7.0	116	0.00
80	Butylbenzylphthalate	0.589	0.673	-14.3	121	0.00
81	Benzo(a)anthracene	1.319	1.407	-6.7	115	-0.02
82	3,3'-Dichlorobenzidine	0.497	0.550	-10.7	117	-0.01
83	Chrysene	1.235	1.321	-7.0	116	-0.02
84	Bis(2-ethylhexyl)phthalate	0.867	0.965	-11.3	121	-0.02
85 c	Di-n-octyl phthalate	1.492	1.681	-12.7	121	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	103	-0.04
87	Indeno(1,2,3-cd)pyrene	1.467	1.559	-6.3	114	-0.06
88	Benzo(b)fluoranthene	1.179	1.283	-8.8	117	-0.02
89	Benzo(k)fluoranthene	1.180	1.265	-7.2	116	-0.03
90 C	Benzo(a)pyrene	1.148	1.241	-8.1	116	-0.02
91	Dibenzo(a,h)anthracene	1.199	1.285	-7.2	115	-0.04
92	Benzo(g,h,i)perylene	1.178	1.259	-6.9	114	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	105	0.00
2	1,4-Dioxane	40.000	41.000	-2.5	114	0.00
3	Pyridine	40.000	40.960	-2.4	114	0.00
4	n-Nitrosodimethylamine	40.000	45.373	-13.4	124	0.00
5 S	2-Fluorophenol	80.000	86.186	-7.7	118	0.00
6	Aniline	40.000	43.843	-9.6	119	0.00
7 S	Phenol-d6	80.000	88.568	-10.7	119	0.00
8	2-Chlorophenol	40.000	43.878	-9.7	120	0.00
9	Benzaldehyde	40.000	48.635	-21.6	101	0.00
10 C	Phenol	40.000	43.862	-9.7	119	0.00
11	bis(2-Chloroethyl)ether	40.000	43.239	-8.1	118	0.00
12	1,3-Dichlorobenzene	40.000	43.622	-9.1	119	0.00
13 C	1,4-Dichlorobenzene	40.000	42.950	-7.4	118	0.00
14	1,2-Dichlorobenzene	40.000	43.069	-7.7	118	0.00
15	Benzyl Alcohol	40.000	44.621	-11.6	121	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	45.158	-12.9	124	0.00
17	2-Methylphenol	40.000	44.345	-10.9	119	0.00
18	Hexachloroethane	40.000	44.074	-10.2	120	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	43.396	-8.5	118	0.00
20	3+4-Methylphenols	40.000	43.573	-8.9	117	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22	Acetophenone	40.000	42.809	-7.0	118	0.00
23 S	Nitrobenzene-d5	80.000	87.195	-9.0	121	0.00
24	Nitrobenzene	40.000	43.917	-9.8	121	0.00
25	Isophorone	40.000	41.573	-3.9	116	0.00
26 C	2-Nitrophenol	40.000	43.982	-10.0	118	0.00
27	2,4-Dimethylphenol	40.000	43.443	-8.6	118	0.00
28	bis(2-Chloroethoxy)methane	40.000	42.398	-6.0	118	0.00
29 C	2,4-Dichlorophenol	40.000	44.245	-10.6	120	0.00
30	1,2,4-Trichlorobenzene	40.000	42.762	-6.9	119	0.00
31	Naphthalene	40.000	42.217	-5.5	117	0.00
32	Benzoic acid	40.000	42.339	-5.8	115	0.00
33	4-Chloroaniline	40.000	42.532	-6.3	116	0.00
34 C	Hexachlorobutadiene	40.000	43.456	-8.6	120	0.00
35	Caprolactam	40.000	41.554	-3.9	116	0.00
36 C	4-Chloro-3-methylphenol	40.000	42.698	-6.7	117	0.00
37	2-Methylnaphthalene	40.000	41.968	-4.9	117	-0.01
38	1-Methylnaphthalene	40.000	41.373	-3.4	116	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	43.807	-9.5	117	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.087	7.3	96	0.00
42 S	2,4,6-Tribromophenol	80.000	88.488	-10.6	117	0.00
43 C	2,4,6-Trichlorophenol	40.000	44.759	-11.9	118	0.00
44	2,4,5-Trichlorophenol	40.000	45.101	-12.8	118	0.00
45 S	2-Fluorobiphenyl	80.000	83.499	-4.4	114	0.00
46	1,1'-Biphenyl	40.000	43.790	-9.5	117	0.00
47	2-Chloronaphthalene	40.000	43.406	-8.5	115	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	46.337	-15.8	120	0.00
49	Acenaphthylene	40.000	42.840	-7.1	115	0.00
50	Dimethylphthalate	40.000	43.502	-8.8	118	-0.01
51	2,6-Dinitrotoluene	40.000	45.175	-12.9	117	0.00
52 C	Acenaphthene	40.000	42.589	-6.5	116	0.00
53	3-Nitroaniline	40.000	44.932	-12.3	118	0.00
54 P	2,4-Dinitrophenol	40.000	32.634	18.4	85	0.00
55	Dibenzofuran	40.000	42.593	-6.5	114	0.00
56 P	4-Nitrophenol	40.000	45.358	-13.4	120	0.00
57	2,4-Dinitrotoluene	40.000	45.189	-13.0	118	0.00
58	Fluorene	40.000	41.160	-2.9	112	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	44.201	-10.5	117	0.00
60	Diethylphthalate	40.000	43.195	-8.0	116	0.00
61	4-Chlorophenyl-phenylether	40.000	41.240	-3.1	112	0.00
62	4-Nitroaniline	40.000	43.130	-7.8	113	0.00
63	Azobenzene	40.000	44.580	-11.4	119	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65	4,6-Dinitro-2-methylphenol	40.000	35.341	11.6	93	0.00
66 c	n-Nitrosodiphenylamine	40.000	43.243	-8.1	116	0.00
67	4-Bromophenyl-phenylether	40.000	43.928	-9.8	118	0.00
68	Hexachlorobenzene	40.000	42.691	-6.7	116	0.00
69	Atrazine	40.000	43.775	-9.4	119	0.00
70 C	Pentachlorophenol	40.000	44.342	-10.9	117	0.00
71	Phenanthrene	40.000	42.302	-5.8	116	0.00
72	Anthracene	40.000	42.872	-7.2	116	0.00
73	Carbazole	40.000	42.695	-6.7	116	0.00
74	Di-n-butylphthalate	40.000	43.693	-9.2	118	0.00
75 C	Fluoranthene	40.000	41.933	-4.8	116	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	104	-0.02
77	Benzydine	40.000	47.349	-18.4	87	0.00
78	Pyrene	40.000	43.183	-8.0	114	-0.01
79 S	Terphenyl-d14	80.000	85.603	-7.0	116	0.00
80	Butylbenzylphthalate	40.000	45.693	-14.2	121	0.00
81	Benzo(a)anthracene	40.000	42.665	-6.7	115	-0.02
82	3,3'-Dichlorobenzidine	40.000	44.224	-10.6	117	-0.01
83	Chrysene	40.000	42.767	-6.9	116	-0.02
84	Bis(2-ethylhexyl)phthalate	40.000	44.485	-11.2	121	-0.02
85 c	Di-n-octyl phthalate	40.000	45.079	-12.7	121	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	103	-0.04
87	Indeno(1,2,3-cd)pyrene	40.000	42.530	-6.3	114	-0.06
88	Benzo(b)fluoranthene	40.000	43.518	-8.8	117	-0.02
89	Benzo(k)fluoranthene	40.000	42.878	-7.2	116	-0.03
90 C	Benzo(a)pyrene	40.000	43.232	-8.1	116	-0.02
91	Dibenzo(a,h)anthracene	40.000	42.888	-7.2	115	-0.04
92	Benzo(g,h,i)perylene	40.000	42.750	-6.9	114	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/20/2025 18:27</u>
Lab File ID:	<u>BP025512.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.232		2.3	
Benzaldehyde	1.082	1.279		18.2	
Phenol-d6	1.544	1.491		-3.4	
Phenol	1.620	1.535		-5.2	20.0
bis(2-Chloroethyl)ether	1.263	1.201		-4.9	
2-Chlorophenol	1.359	1.324		-2.6	
2-Methylphenol	1.125	1.059		-5.9	
2,2-oxybis(1-Chloropropane)	1.692	1.647		-2.7	
Acetophenone	0.502	0.508		1.2	
3+4-Methylphenols	1.560	1.396		-10.5	
n-Nitroso-di-n-propylamine	1.023	0.895	0.050	-12.5	
Nitrobenzene-d5	0.395	0.409		3.5	
Hexachloroethane	0.563	0.578		2.7	
Nitrobenzene	0.353	0.367		4.0	
Isophorone	0.700	0.664		-5.1	
2-Nitrophenol	0.181	0.188		3.9	20.0
2,4-Dimethylphenol	0.312	0.308		-1.3	
bis(2-Chloroethoxy)methane	0.423	0.413		-2.4	
2,4-Dichlorophenol	0.310	0.310		0.0	20.0
Naphthalene	1.040	1.033		-0.7	
4-Chloroaniline	0.459	0.429		-6.5	
Hexachlorobutadiene	0.211	0.225		6.6	20.0
Caprolactam	0.114	0.092		-19.3	
4-Chloro-3-methylphenol	0.355	0.324		-8.7	20.0
2-Methylnaphthalene	0.676	0.633		-6.4	
Hexachlorocyclopentadiene	0.349	0.359	0.050	2.9	
2,4,6-Trichlorophenol	0.390	0.414		6.2	20.0
2-Fluorobiphenyl	1.463	1.526		4.3	
2,4,5-Trichlorophenol	0.427	0.446		4.4	
1,1-Biphenyl	1.453	1.507		3.7	
2-Chloronaphthalene	1.131	1.165		3.0	
2-Nitroaniline	0.329	0.343		4.3	
Dimethylphthalate	1.465	1.399		-4.5	
Acenaphthylene	1.871	1.871		0.0	
2,6-Dinitrotoluene	0.309	0.313		1.3	
3-Nitroaniline	0.347	0.329		-5.2	
Acenaphthene	1.098	1.086		-1.1	20.0
2,4-Dinitrophenol	0.165	0.172	0.050	4.2	
4-Nitrophenol	0.285	0.266	0.050	-6.7	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/20/2025 18:27</u>
Lab File ID:	<u>BP025512.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.703		-1.9	
2,4-Dinitrotoluene	0.440	0.429		-2.5	
Diethylphthalate	1.488	1.402		-5.8	
4-Chlorophenyl-phenylether	0.681	0.651		-4.4	
Fluorene	1.370	1.306		-4.7	
4-Nitroaniline	0.356	0.332		-6.7	
4,6-Dinitro-2-methylphenol	0.125	0.127		1.6	
n-Nitrosodiphenylamine	0.610	0.609		-0.2	20.0
2,4,6-Tribromophenol	0.269	0.257		-4.5	
4-Bromophenyl-phenylether	0.220	0.224		1.8	
Hexachlorobenzene	0.255	0.256		0.4	
Atrazine	0.228	0.221		-3.1	
Pentachlorophenol	0.161	0.167		3.7	20.0
Phenanthrene	1.099	1.085		-1.3	
Anthracene	1.122	1.084		-3.4	
Carbazole	1.057	1.022		-3.3	
Di-n-butylphthalate	1.300	1.314		1.1	
Fluoranthene	1.311	1.267		-3.4	20.0
Pyrene	1.300	1.220		-6.2	
Terphenyl-d14	1.093	1.021		-6.6	
Butylbenzylphthalate	0.589	0.600		1.9	
3,3-Dichlorobenzidine	0.497	0.503		1.2	
Benzo (a) anthracene	1.319	1.279		-3.0	
Chrysene	1.235	1.213		-1.8	
Bis (2-ethylhexyl) phthalate	0.867	0.895		3.2	
Di-n-octyl phthalate	1.492	1.648		10.5	20.0
Benzo (b) fluoranthene	1.179	1.121		-4.9	
Benzo (k) fluoranthene	1.180	1.119		-5.2	
Benzo (a) pyrene	1.148	1.115		-2.9	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.484		1.2	
Dibenzo (a,h) anthracene	1.199	1.220		1.8	
Benzo (g,h,i) perylene	1.178	1.213		3.0	
1,2,4,5-Tetrachlorobenzene	0.578	0.626		8.3	
1,4-Dioxane	0.472	0.489		3.6	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.372		-1.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025512.D
 Acq On : 20 Aug 2025 18:27
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	166180	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	619421	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	355189	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	670328	20.000	ng	0.00
76) Chrysene-d12	21.648	240	721835	20.000	ng	0.00
86) Perylene-d12	25.030	264	911460	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	819056	81.851	ng	0.00
7) Phenol-d6	6.966	99	990921	77.239	ng	0.00
23) Nitrobenzene-d5	8.925	82	1014236	82.828	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	365485	76.447	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2168370	83.434	ng	0.00
79) Terphenyl-d14	19.919	244	2948745	74.739	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	162482	41.454	ng	99
3) Pyridine	3.731	79	413008	38.497	ng	98
4) n-Nitrosodimethylamine	3.637	42	189578	42.863	ng	97
6) Aniline	7.119	93	652984	37.776	ng	98
8) 2-Chlorophenol	7.361	128	440061	38.971	ng	98
9) Benzaldehyde	6.937	77	425209	47.306	ng	95
10) Phenol	6.996	94	510256	37.903	ng	98
11) bis(2-Chloroethyl)ether	7.213	93	399309	38.056	ng	98
12) 1,3-Dichlorobenzene	7.678	146	499346	40.104	ng	98
13) 1,4-Dichlorobenzene	7.819	146	504357	39.630	ng	99
14) 1,2-Dichlorobenzene	8.137	146	478303	38.825	ng	97
15) Benzyl Alcohol	8.025	79	376366	36.921	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	547414	38.945	ng	100
17) 2-Methylphenol	8.225	107	352050	37.654	ng	99
18) Hexachloroethane	8.860	117	192071	41.047	ng	93
19) n-Nitroso-di-n-propyla...	8.578	70	297628	35.024	ng	97
20) 3+4-Methylphenols	8.543	107	463927	35.797	ng	99
22) Acetophenone	8.596	105	629950	40.553	ng	99
24) Nitrobenzene	8.972	77	454821	41.561	ng	98
25) Isophorone	9.496	82	822867	37.972	ng	99
26) 2-Nitrophenol	9.672	139	233161	41.515	ng	96
27) 2,4-Dimethylphenol	9.737	122	381587	39.508	ng	95
28) bis(2-Chloroethoxy)met...	9.966	93	511989	39.085	ng	99
29) 2,4-Dichlorophenol	10.207	162	384438	40.068	ng	98
30) 1,2,4-Trichlorobenzene	10.419	180	428971	40.786	ng	99
31) Naphthalene	10.607	128	1279654	39.747	ng	99
32) Benzoic acid	9.866	122	261847	36.722	ng	97
33) 4-Chloroaniline	10.707	127	531205	37.353	ng	98
34) Hexachlorobutadiene	10.896	225	278633	42.538	ng	99
35) Caprolactam	11.490	113	114461	32.534	ng	96
36) 4-Chloro-3-methylphenol	11.837	107	401963	36.511	ng	99
37) 2-Methylnaphthalene	12.213	142	783727	37.407	ng	99
38) 1-Methylnaphthalene	12.431	142	822994	36.937	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	444699	43.350	ng	99
41) Hexachlorocyclopentadiene	12.566	237	255262	41.195	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	293959	42.446	ng	99

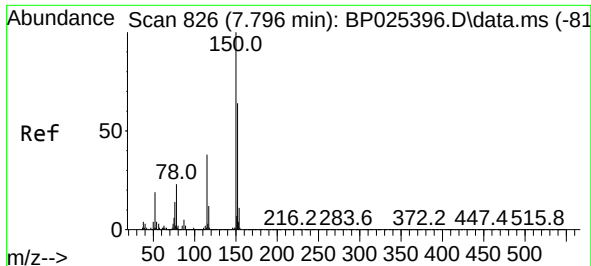
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025512.D
 Acq On : 20 Aug 2025 18:27
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	316844	41.744	ng	99
46) 1,1'-Biphenyl	13.225	154	1070736	41.508	ng	99
47) 2-Chloronaphthalene	13.266	162	827743	41.219	ng	100
48) 2-Nitroaniline	13.466	65	243579	41.628	ng	97
49) Acenaphthylene	14.119	152	1329242	40.001	ng	99
50) Dimethylphthalate	13.848	163	994069	38.219	ng	99
51) 2,6-Dinitrotoluene	13.966	165	222447	40.576	ng	98
52) Acenaphthene	14.460	154	771351	39.546	ng	99
53) 3-Nitroaniline	14.290	138	233840	37.912	ng	92
54) 2,4-Dinitrophenol	14.507	184	122042	41.686	ng	98
55) Dibenzofuran	14.801	168	1209507	39.221	ng	99
56) 4-Nitrophenol	14.613	139	188606	37.212	ng	94
57) 2,4-Dinitrotoluene	14.760	165	305079	39.004	ng	97
58) Fluorene	15.460	166	927874	38.132	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	264092	39.405	ng	100
60) Diethylphthalate	15.231	149	996051	37.688	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	462336	38.204	ng	97
62) 4-Nitroaniline	15.472	138	235988	37.321	ng	97
63) Azobenzene	15.754	77	890410	39.346	ng	98
65) 4,6-Dinitro-2-methylph...	15.537	198	170735	40.860	ng	94
66) n-Nitrosodiphenylamine	15.666	169	816452	39.942	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	299821	40.668	ng	96
68) Hexachlorobenzene	16.489	284	343811	40.230	ng	97
69) Atrazine	16.648	200	296023	38.670	ng	98
70) Pentachlorophenol	16.842	266	223956	41.514	ng	98
71) Phenanthrene	17.248	178	1455152	39.517	ng	99
72) Anthracene	17.336	178	1452720	38.632	ng	100
73) Carbazole	17.613	167	1370739	38.700	ng	99
74) Di-n-butylphthalate	18.213	149	1762119	40.436	ng	99
75) Fluoranthene	19.325	202	1698750	38.675	ng	99
77) Benzidine	19.519	184	784158	31.831	ng	99
78) Pyrene	19.701	202	1760829	37.531	ng	99
80) Butylbenzylphthalate	20.648	149	866705	40.760	ng	99
81) Benzo(a)anthracene	21.630	228	1846325	38.784	ng	98
82) 3,3'-Dichlorobenzidine	21.536	252	726259	40.475	ng	99
83) Chrysene	21.695	228	1751270	39.282	ng	99
84) Bis(2-ethylhexyl)phtha...	21.560	149	1292335	41.288	ng	100
85) Di-n-octyl phthalate	22.854	149	2379874	44.204	ng	98
87) Indeno(1,2,3-cd)pyrene	28.877	276	2704805	40.465	ng	98
88) Benzo(b)fluoranthene	23.948	252	2043506	38.021	ng	100
89) Benzo(k)fluoranthene	24.024	252	2039061	37.913	ng	99
90) Benzo(a)pyrene	24.865	252	2033101	38.861	ng	99
91) Dibenzo(a,h)anthracene	28.953	278	2223603	40.707	ng	99
92) Benzo(g,h,i)perylene	30.065	276	2210310	41.164	ng	98

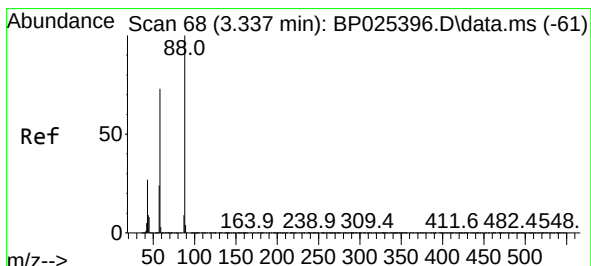
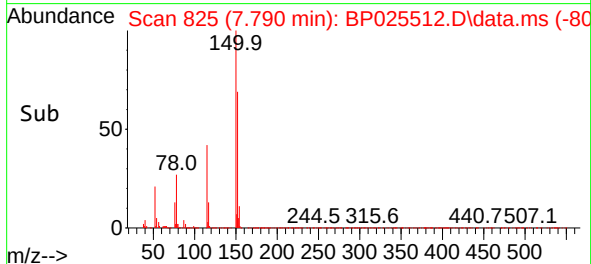
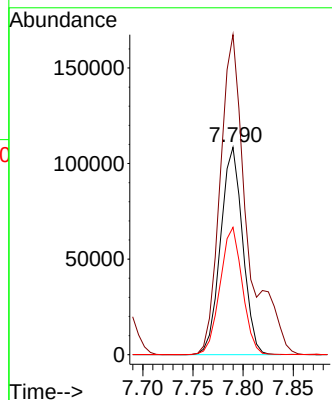
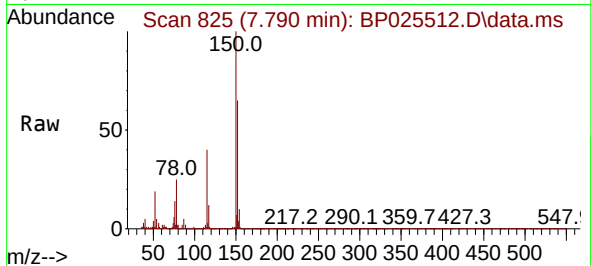
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

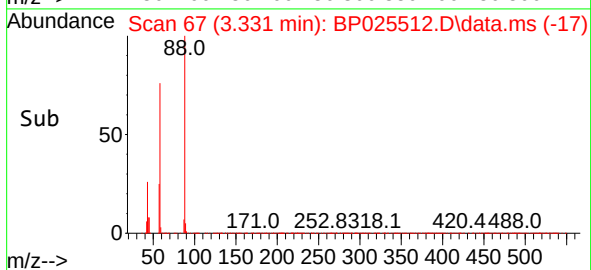
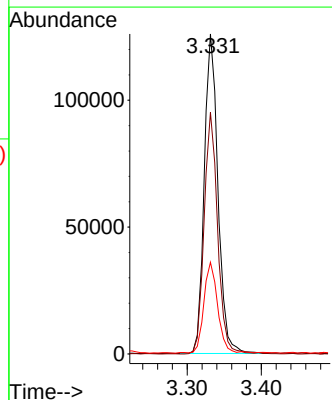
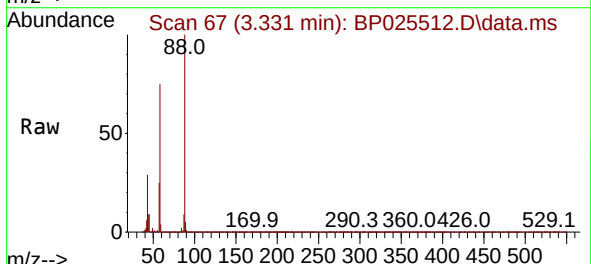
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

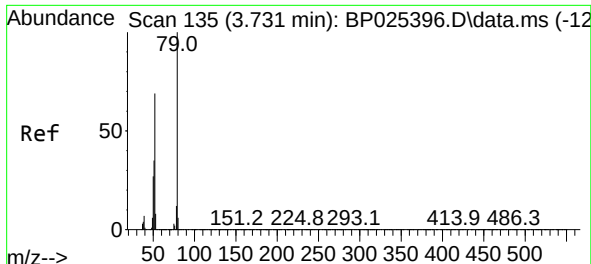
Tgt Ion:152 Resp: 166180
Ion Ratio Lower Upper
152 100
150 154.3 125.9 188.9
115 61.4 48.5 72.7



#2
1,4-Dioxane
Concen: 41.454 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 88 Resp: 162482
Ion Ratio Lower Upper
88 100
58 74.5 59.2 88.8
43 28.7 21.7 32.5

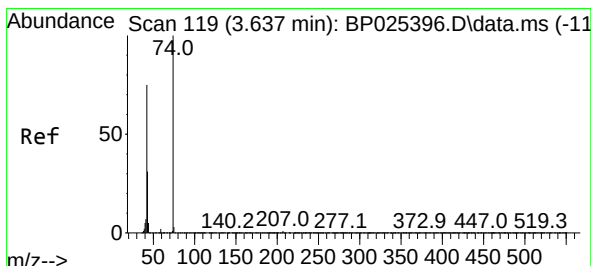
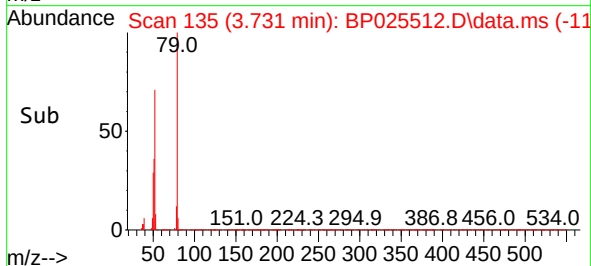
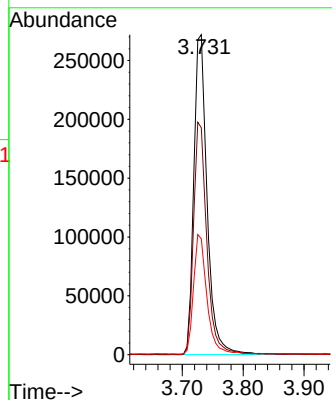
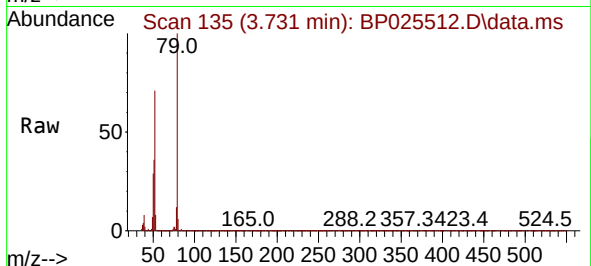




#3
Pyridine
Concen: 38.497 ng
RT: 3.731 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

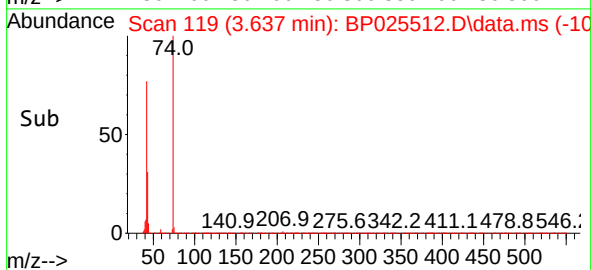
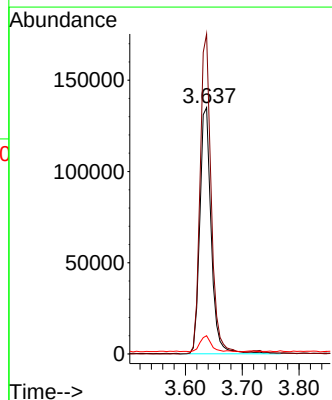
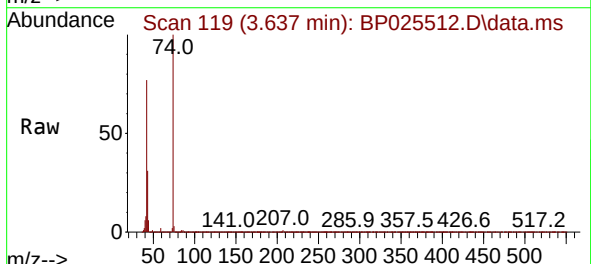
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

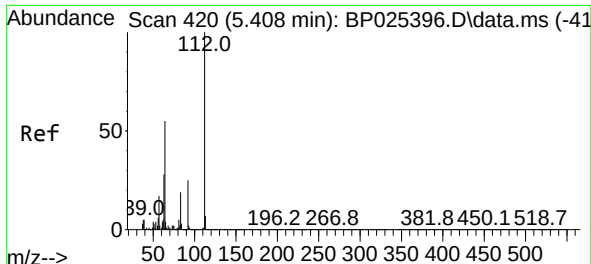
Tgt Ion: 79 Resp: 413008
Ion Ratio Lower Upper
79 100
52 70.9 55.5 83.3
51 36.2 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 42.863 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 42 Resp: 189578
Ion Ratio Lower Upper
42 100
74 129.9 107.0 160.4
44 7.4 6.2 9.4

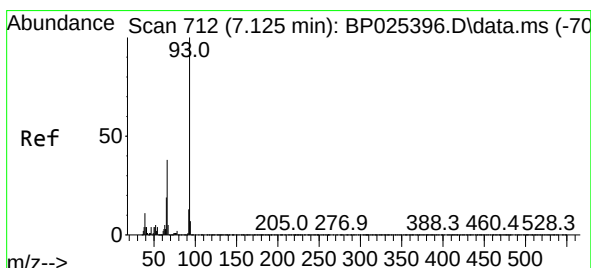
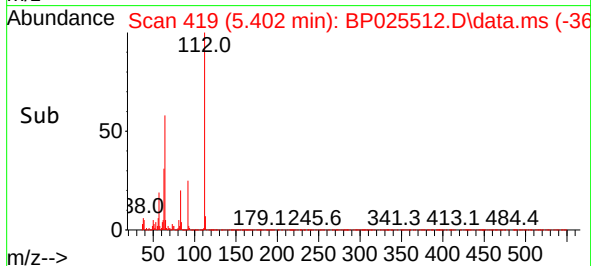
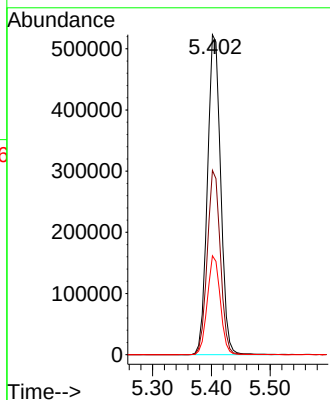
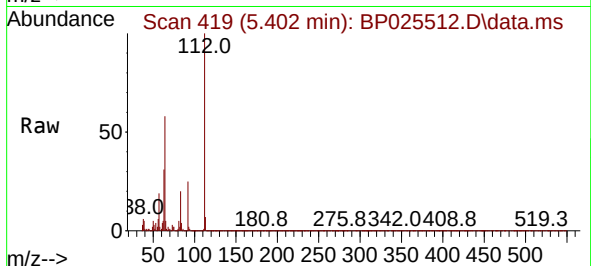




#5
2-Fluorophenol
Concen: 81.851 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

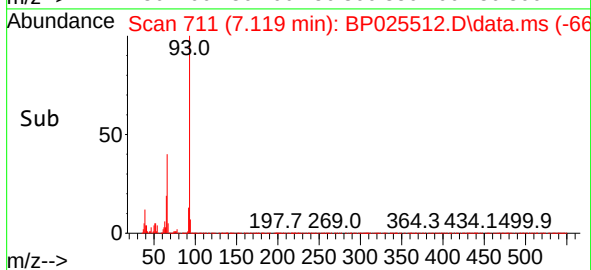
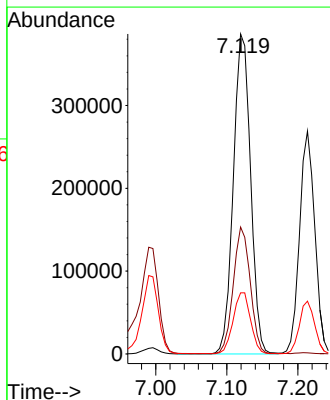
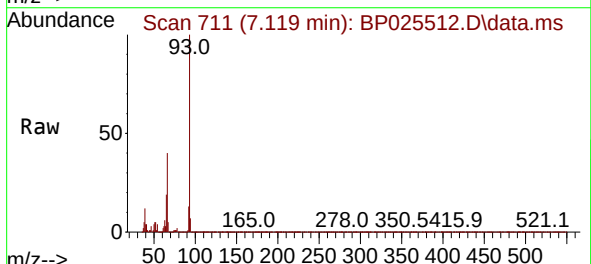
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

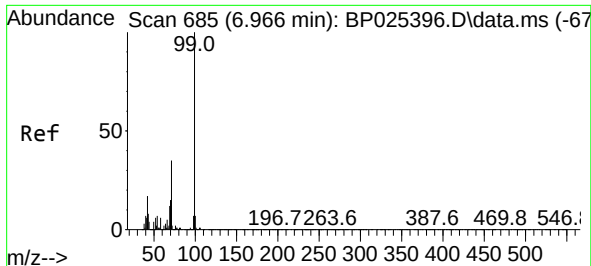
Tgt Ion:112 Resp: 819056
Ion Ratio Lower Upper
112 100
64 57.6 43.8 65.8
63 30.9 22.7 34.1



#6
Aniline
Concen: 37.776 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 93 Resp: 652984
Ion Ratio Lower Upper
93 100
66 39.7 30.4 45.6
65 19.1 15.3 22.9

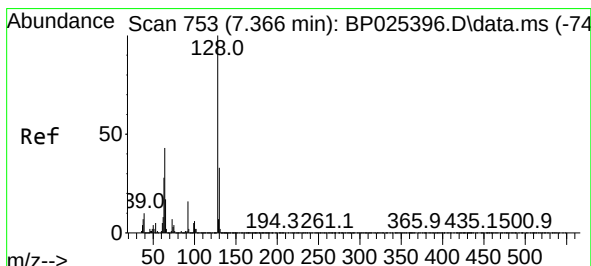
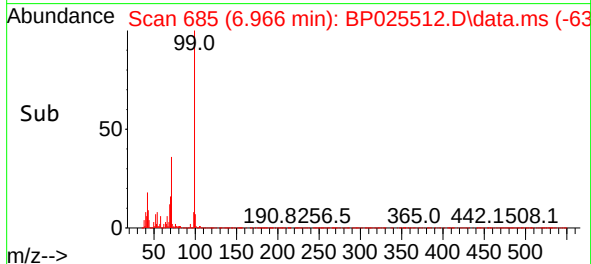
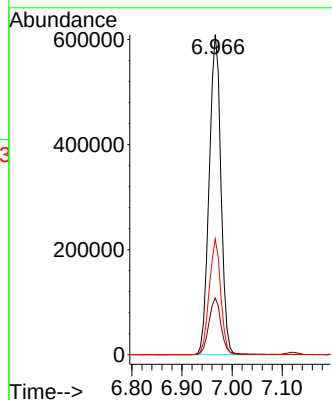
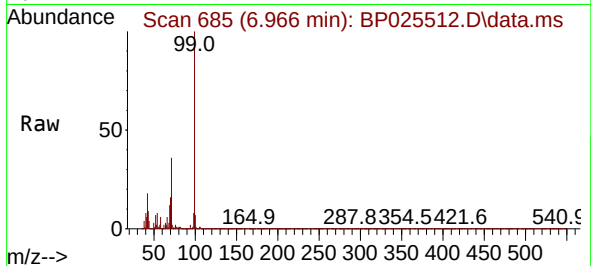




#7
Phenol-d6
Concen: 77.239 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

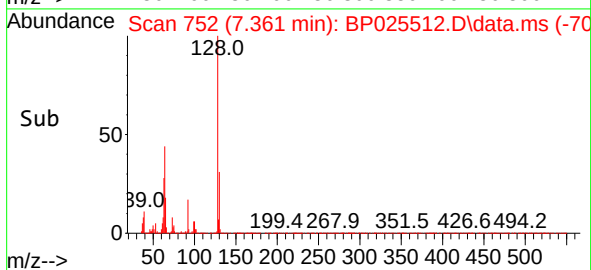
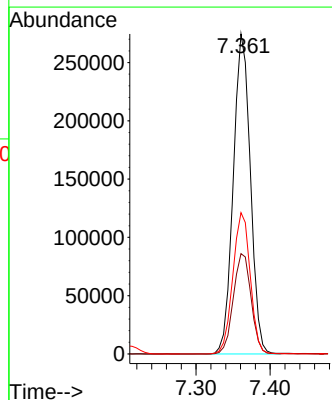
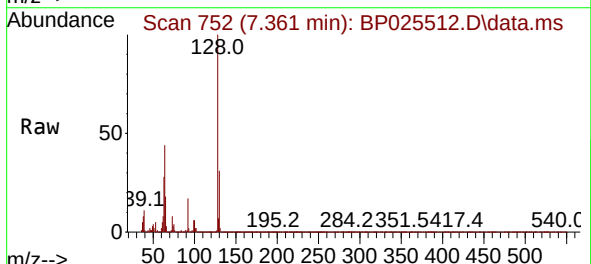
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

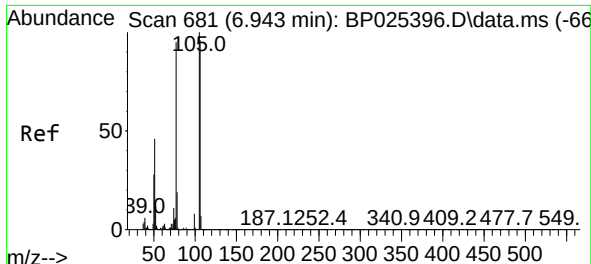
Tgt Ion: 99 Resp: 990921
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 36.2 28.2 42.4



#8
2-Chlorophenol
Concen: 38.971 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 128 Resp: 440061
Ion Ratio Lower Upper
128 100
130 31.4 12.6 52.6
64 44.1 23.4 63.4

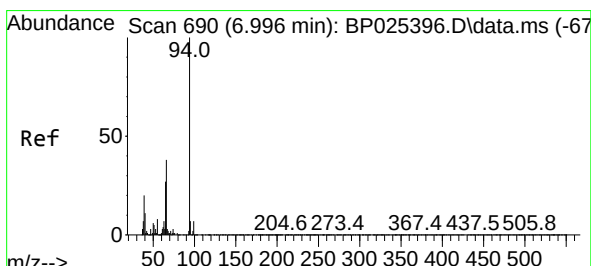
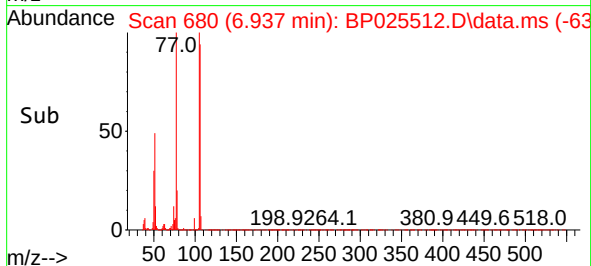
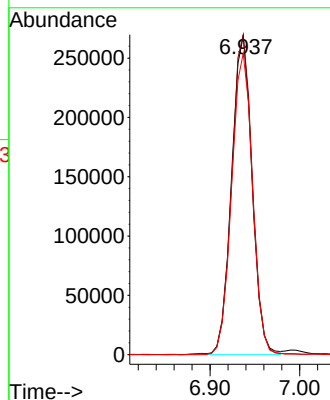
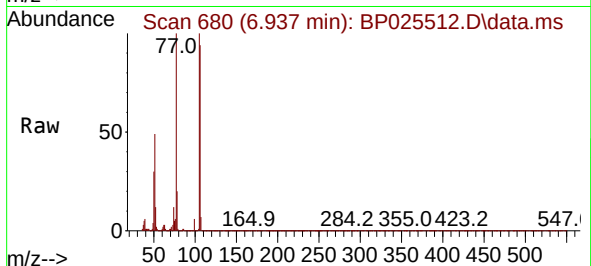




#9
Benzaldehyde
Concen: 47.306 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

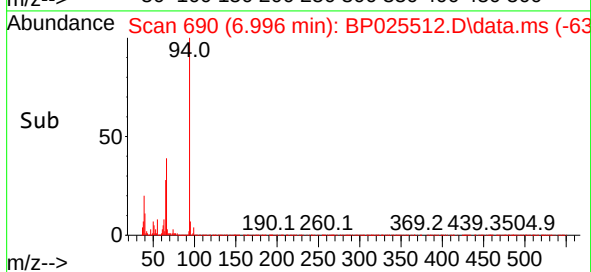
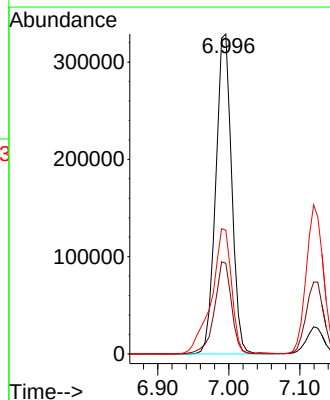
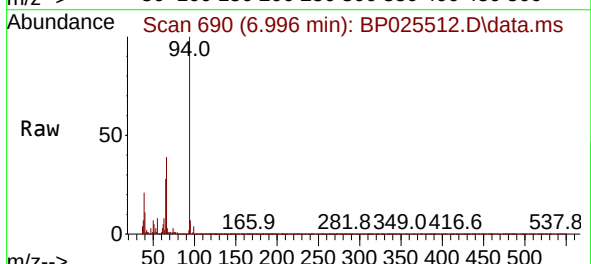
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

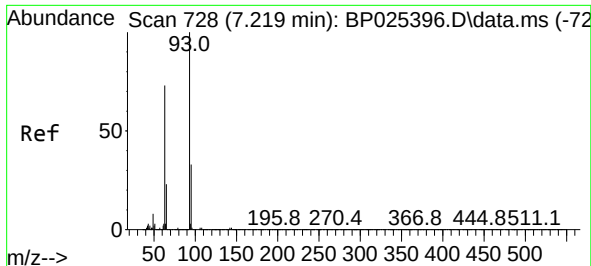
Tgt Ion: 77 Resp: 425209
Ion Ratio Lower Upper
77 100
105 100.5 84.8 124.8
106 94.6 80.5 120.5



#10
Phenol
Concen: 37.903 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 94 Resp: 510256
Ion Ratio Lower Upper
94 100
65 28.3 6.8 46.8
66 38.7 18.2 58.2

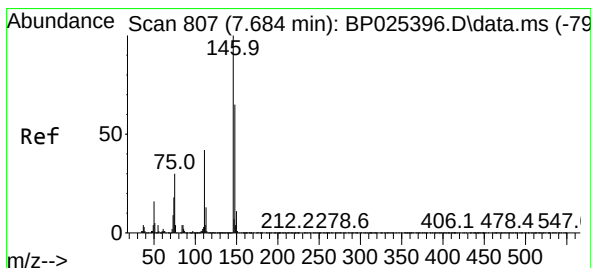
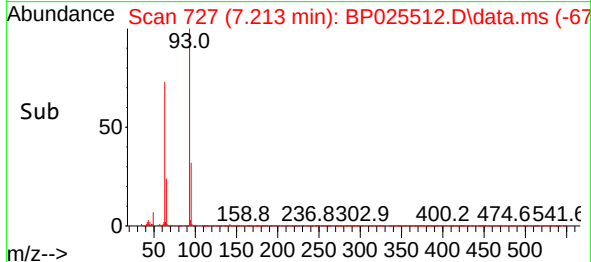
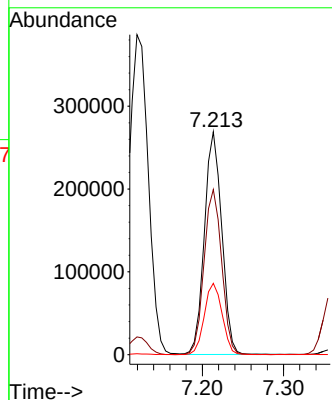
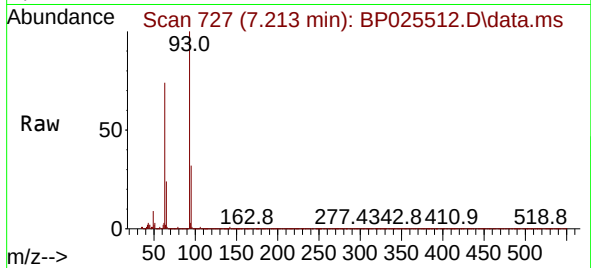




#11
bis(2-Chloroethyl)ether
Concen: 38.056 ng
RT: 7.213 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

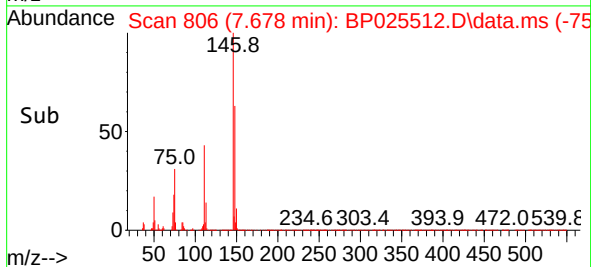
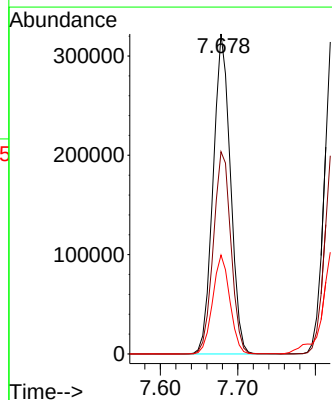
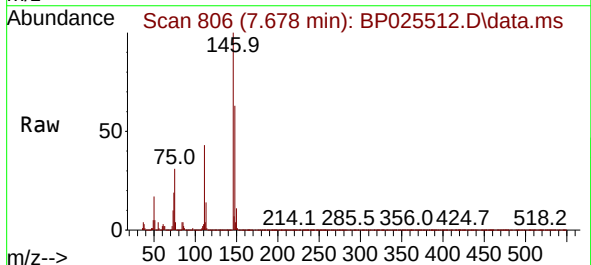
Instrument :
BNA_P
ClientSampleId :
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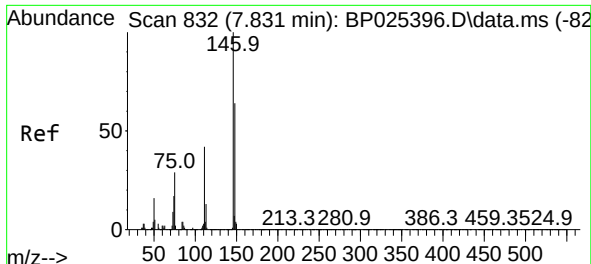
Tgt Ion: 93 Resp: 399309
Ion Ratio Lower Upper
93 100
63 74.1 52.6 92.6
95 32.0 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 40.104 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 146 Resp: 499346
Ion Ratio Lower Upper
146 100
148 63.2 51.9 77.9
75 30.9 23.7 35.5

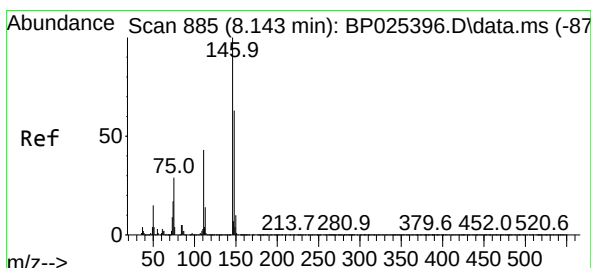
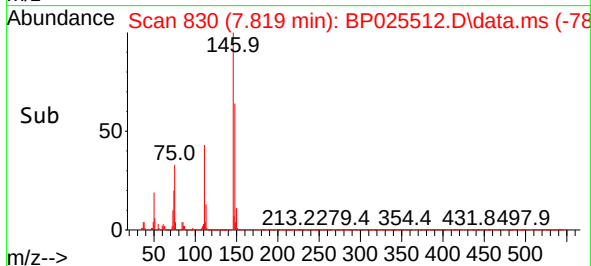
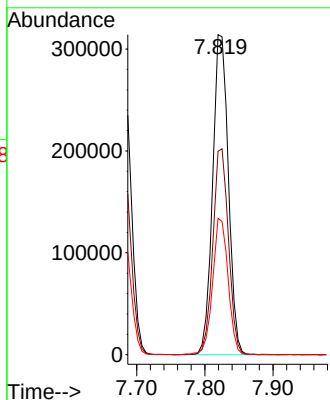
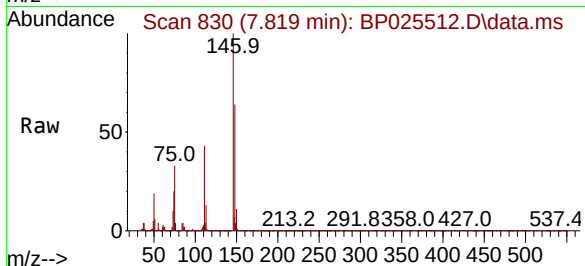




#13
1,4-Dichlorobenzene
Concen: 39.630 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

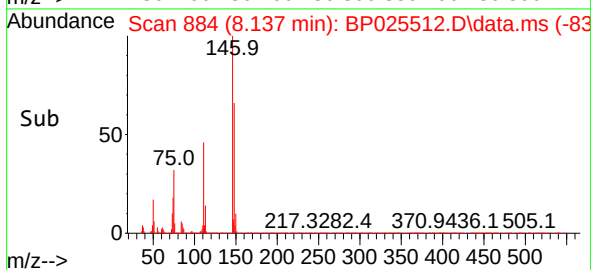
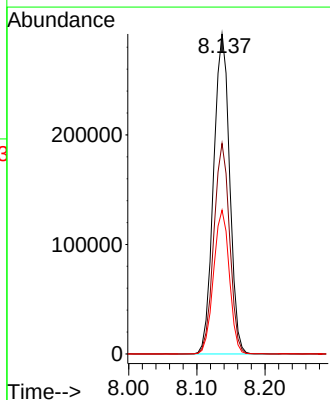
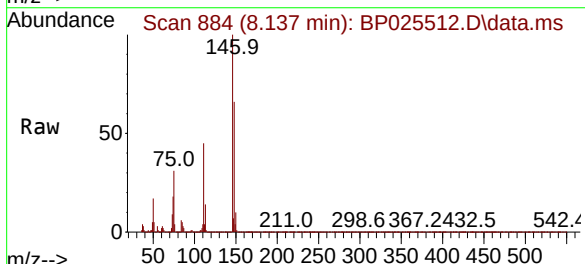
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

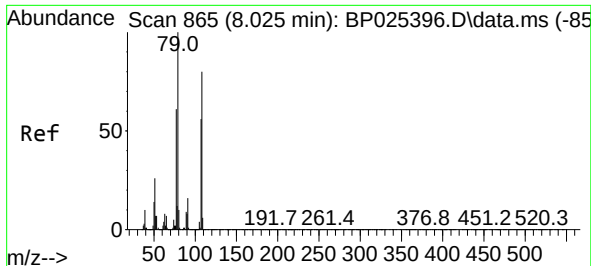
Tgt Ion:146 Resp: 504357
Ion Ratio Lower Upper
146 100
148 63.6 51.6 77.4
111 42.6 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 38.825 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:146 Resp: 478303
Ion Ratio Lower Upper
146 100
148 65.8 50.4 75.6
111 45.0 34.5 51.7

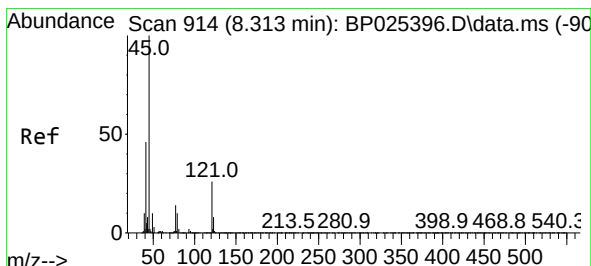
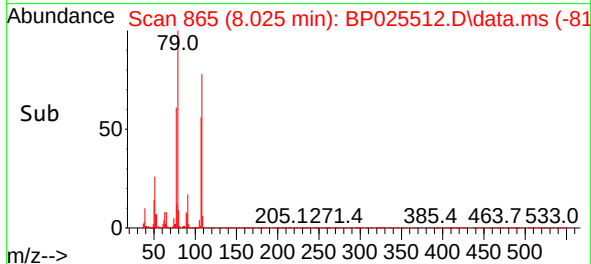
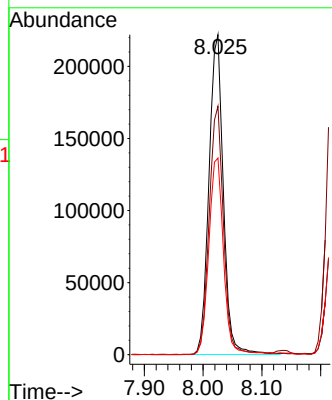
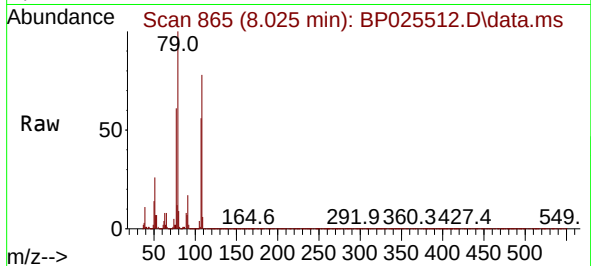




#15
Benzyl Alcohol
Concen: 36.921 ng
RT: 8.025 min Scan# 865
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

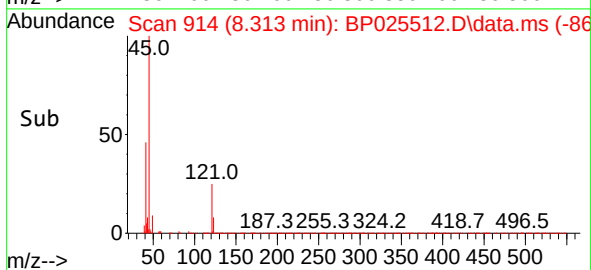
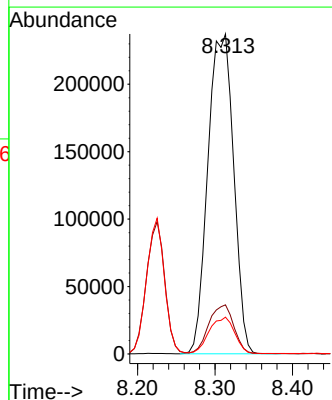
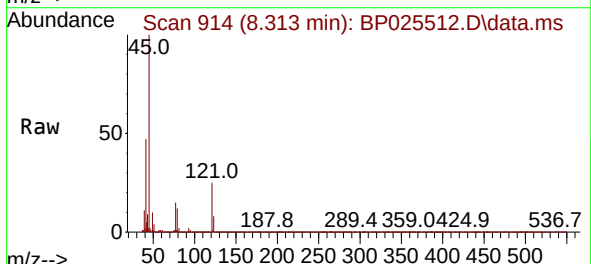
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

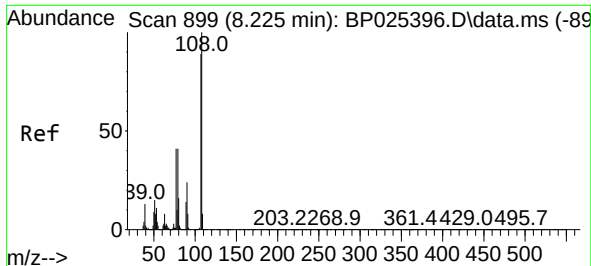
Tgt Ion: 79 Resp: 376366
Ion Ratio Lower Upper
79 100
108 77.7 63.8 95.6
77 61.4 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.945 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 45 Resp: 547414
Ion Ratio Lower Upper
45 100
77 15.4 0.0 35.3
79 11.5 0.0 31.8

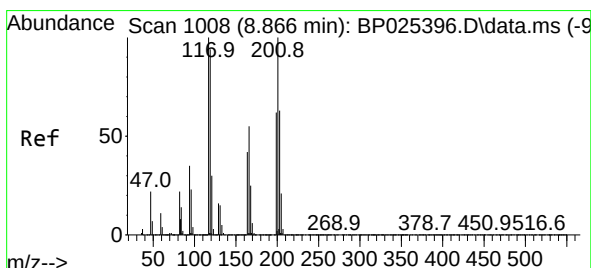
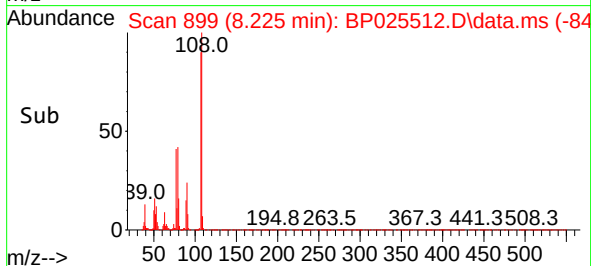
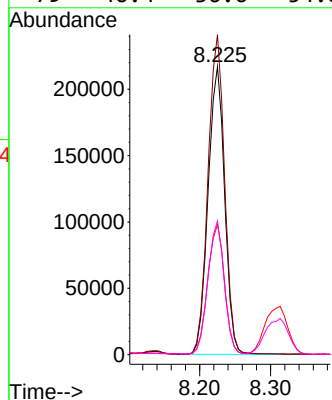
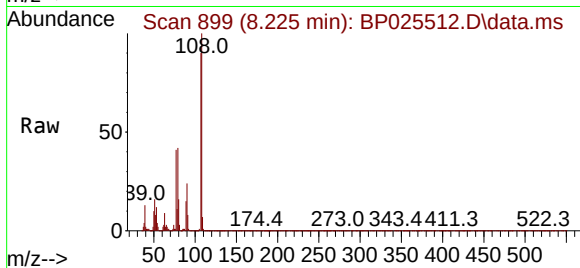




#17
2-Methylphenol
Concen: 37.654 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

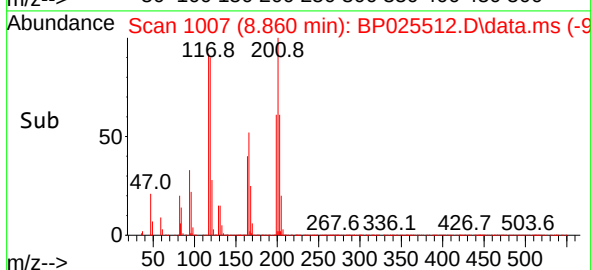
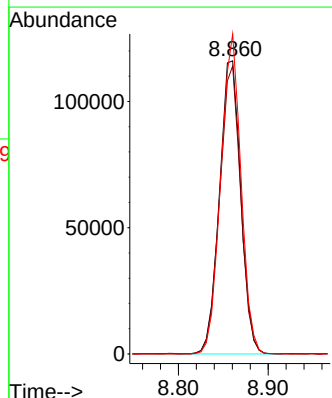
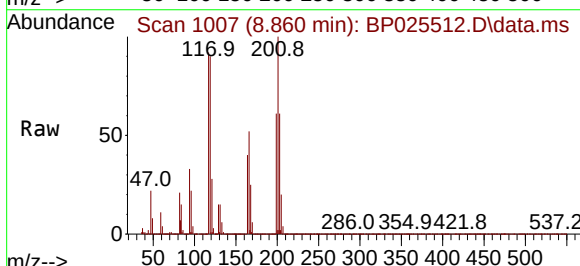
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

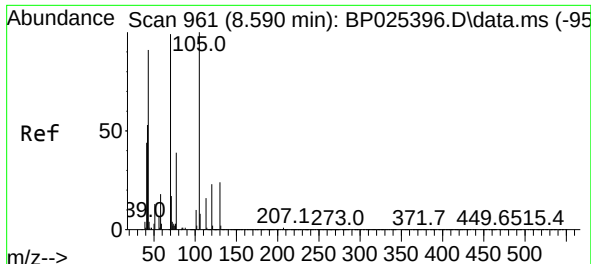
Tgt Ion:	107	Resp:	352050
Ion	Ratio	Lower	Upper
107	100		
108	111.0	89.4	134.0
77	45.2	36.3	54.5
79	46.4	36.6	54.8



#18
Hexachloroethane
Concen: 41.047 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:	117	Resp:	192071
Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.1	112.7
201	109.2	80.1	120.1

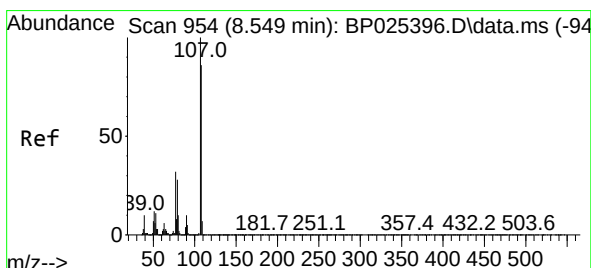
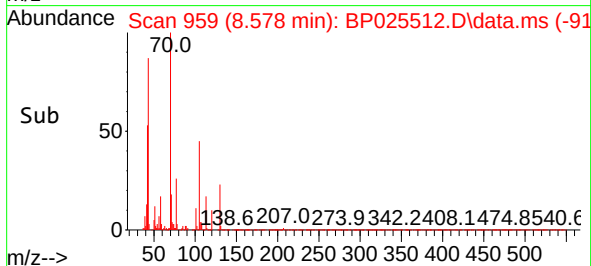
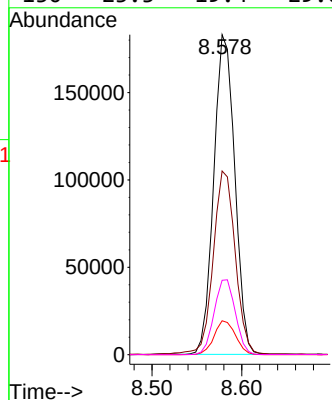
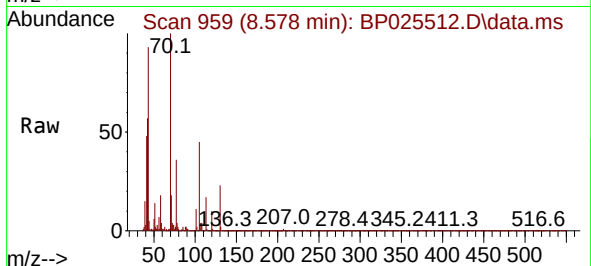




#19
n-Nitroso-di-n-propylamine
Concen: 35.024 ng
RT: 8.578 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

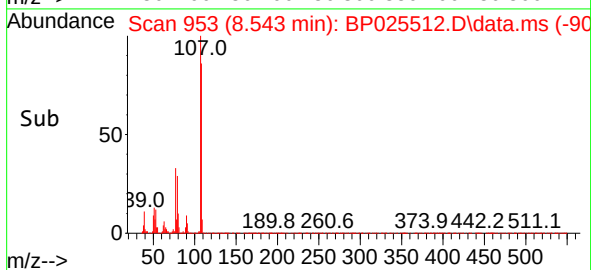
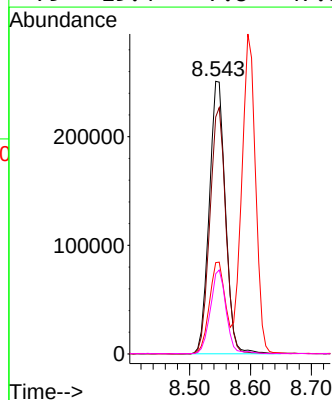
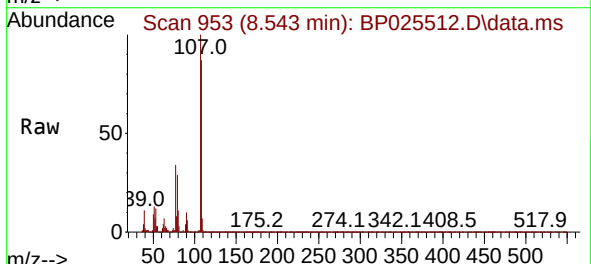
Instrument :
BNA_P
ClientSampleId :
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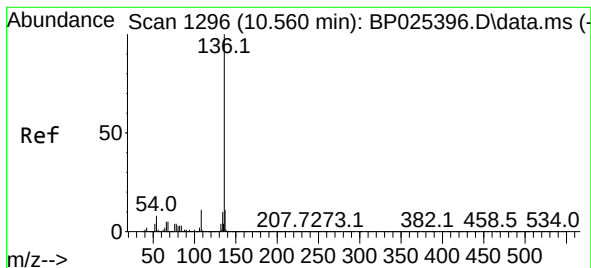
Tgt Ion: 70 Resp: 297628
Ion Ratio Lower Upper
70 100
42 57.4 43.8 65.6
101 10.6 8.5 12.7
130 23.3 19.4 29.0



#20
3+4-Methylphenols
Concen: 35.797 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 107 Resp: 463927
Ion Ratio Lower Upper
107 100
108 86.9 66.3 106.3
77 33.5 12.3 52.3
79 29.4 7.8 47.8

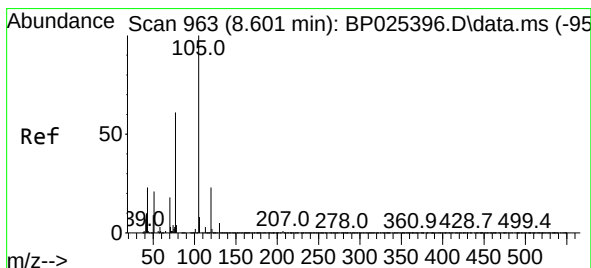
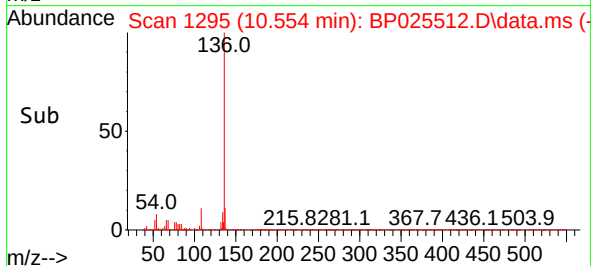
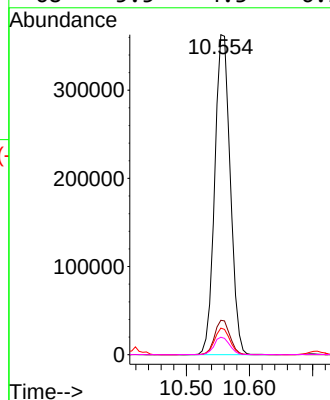
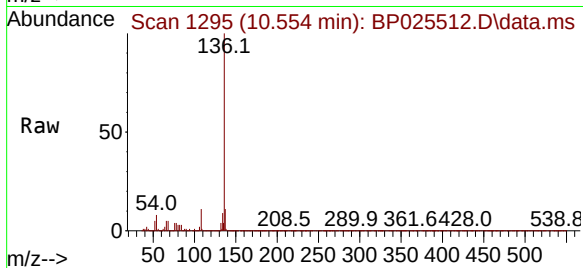




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

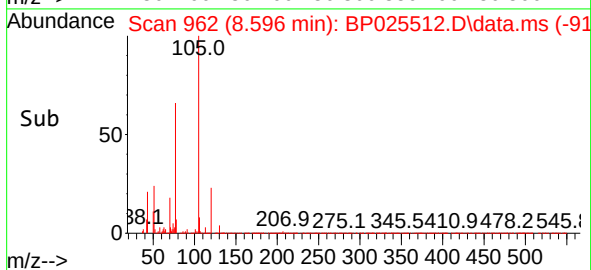
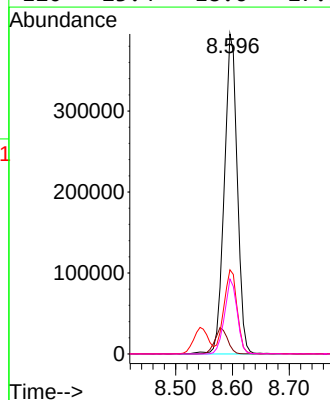
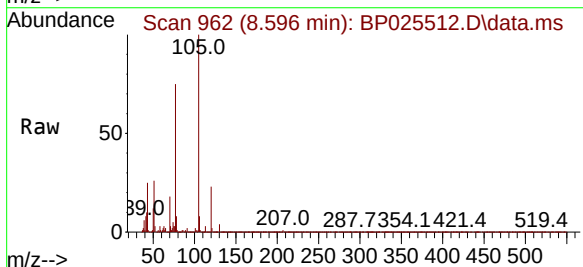
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

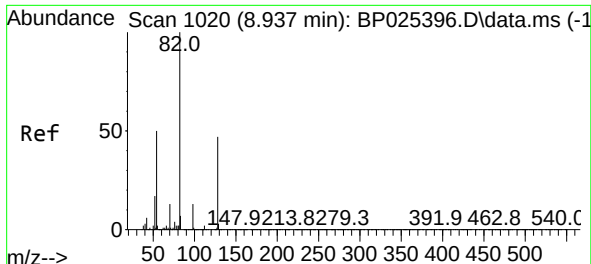
Tgt Ion:	136	Resp:	619421
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.3	6.0	9.0
68	5.5	4.3	6.5



#22
Acetophenone
Concen: 40.553 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:	105	Resp:	629950
Ion	Ratio	Lower	Upper
105	100		
71	2.7	2.6	4.0
51	26.3	20.6	30.8
120	23.4	18.6	27.8

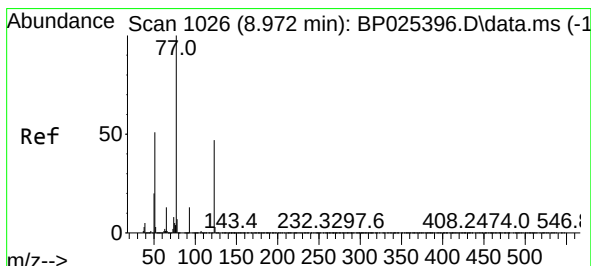
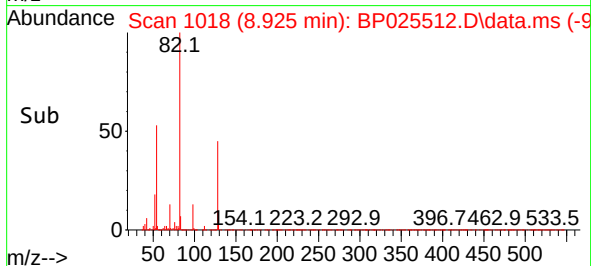
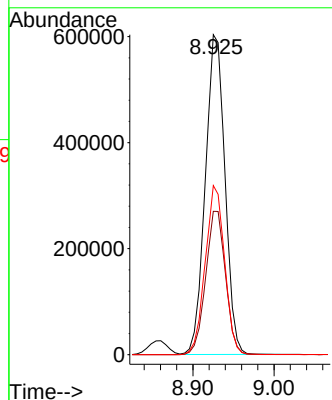
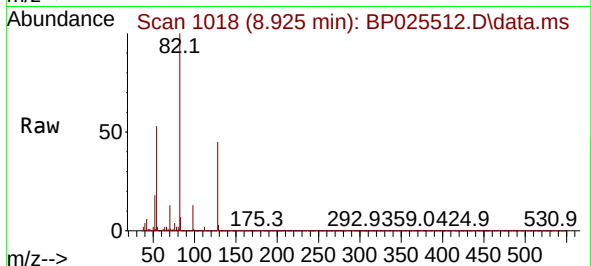




#23
Nitrobenzene-d5
Concen: 82.828 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

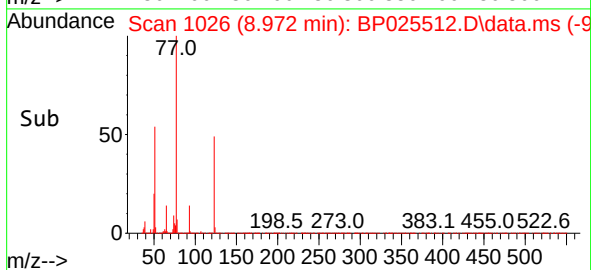
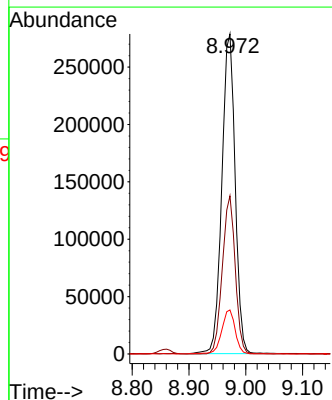
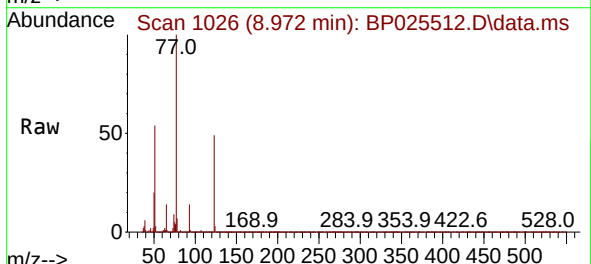
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

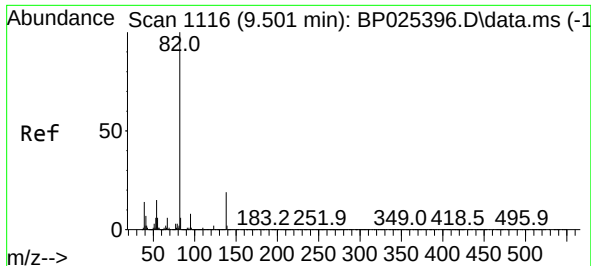
Tgt Ion: 82 Resp: 1014236
Ion Ratio Lower Upper
82 100
128 44.8 37.7 56.5
54 52.9 39.8 59.6



#24
Nitrobenzene
Concen: 41.561 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 77 Resp: 454821
Ion Ratio Lower Upper
77 100
123 49.4 38.6 58.0
65 13.8 10.6 15.8

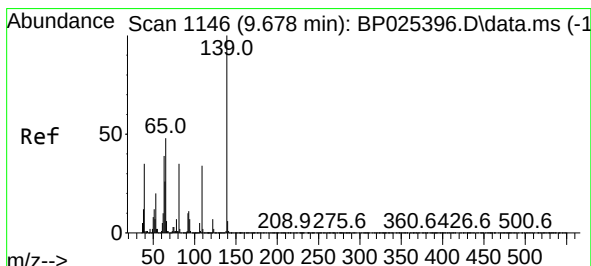
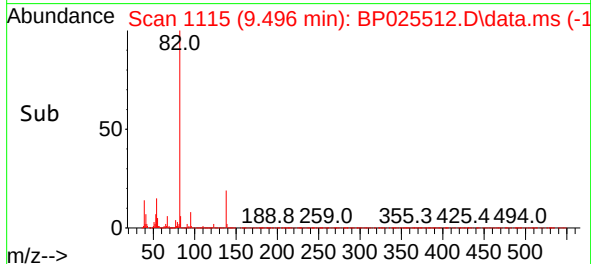
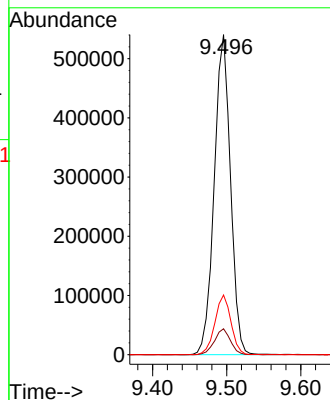
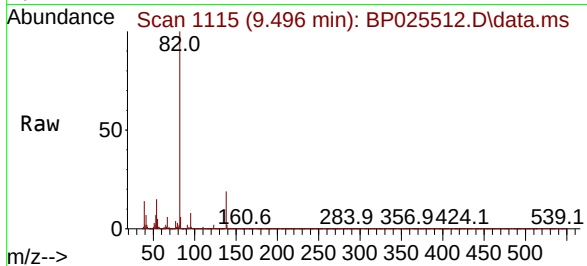




#25
Isophorone
Concen: 37.972 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

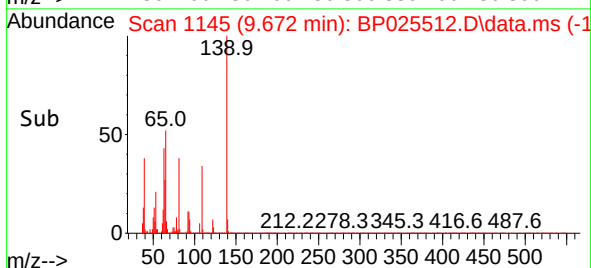
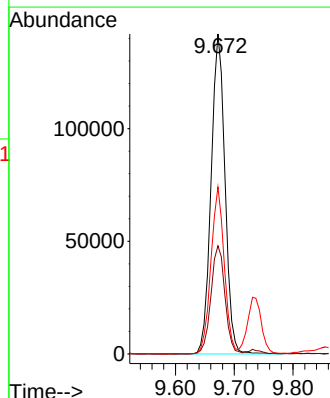
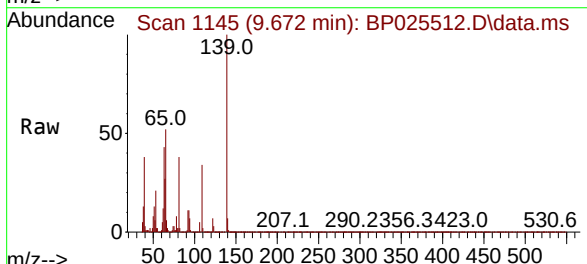
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

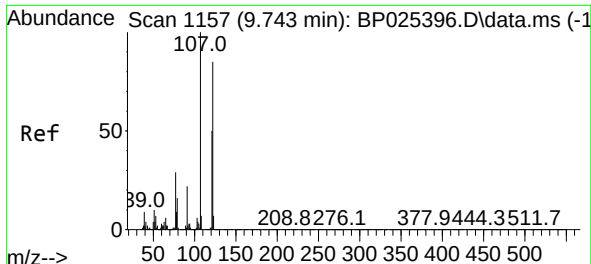
Tgt Ion: 82	Resp: 822867		
Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.4	9.6
138	18.6	15.4	23.0



#26
2-Nitrophenol
Concen: 41.515 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 139	Resp: 233161		
Ion	Ratio	Lower	Upper
139	100		
109	33.8	26.9	40.3
65	52.2	38.3	57.5

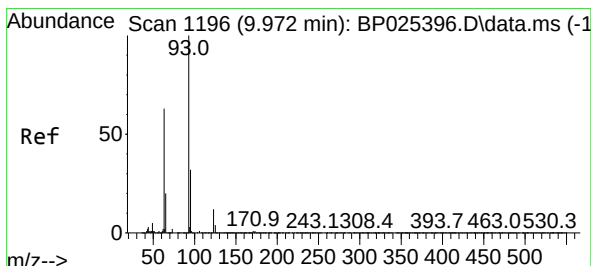
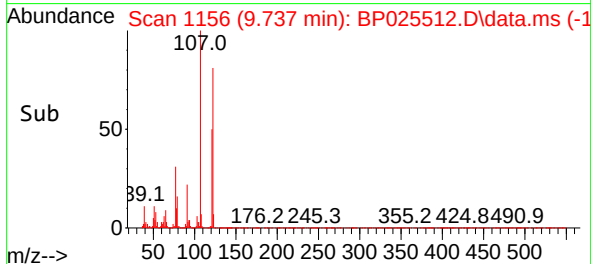
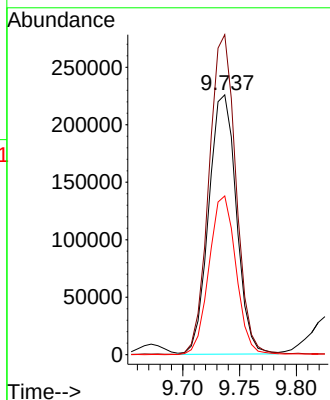
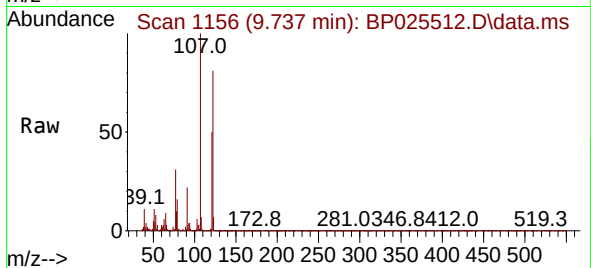




#27
2,4-Dimethylphenol
Concen: 39.508 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

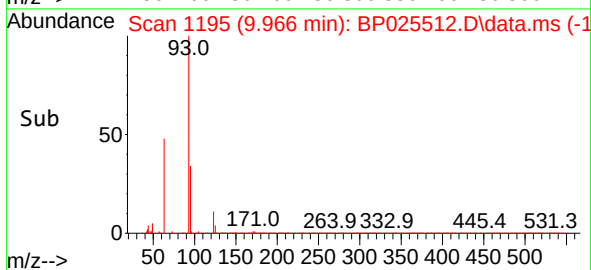
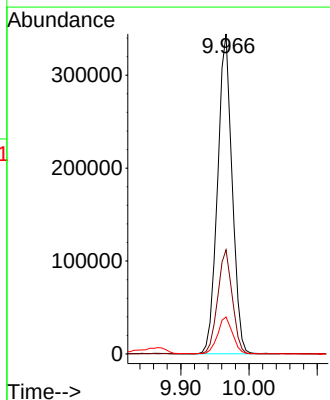
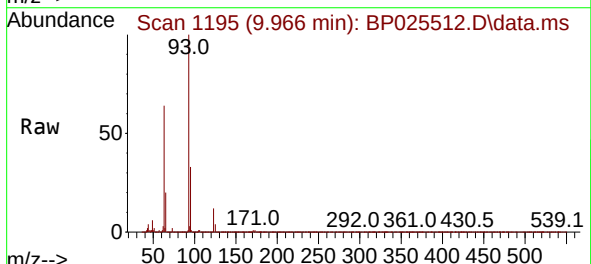
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

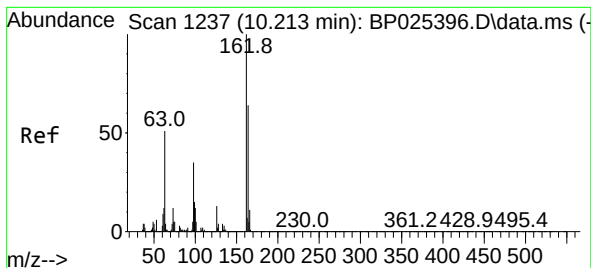
Tgt Ion:122 Resp: 381587
Ion Ratio Lower Upper
122 100
107 123.1 93.7 140.5
121 61.1 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 39.085 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 93 Resp: 511989
Ion Ratio Lower Upper
93 100
95 32.5 25.4 38.0
123 11.5 9.4 14.0

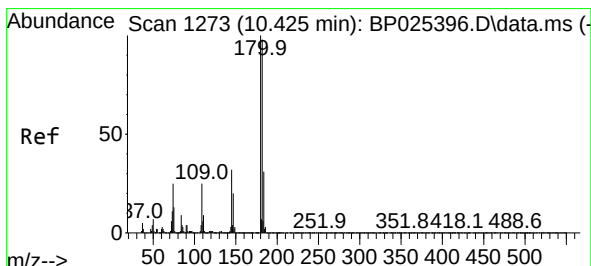
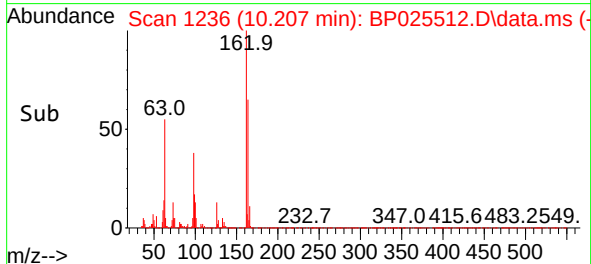
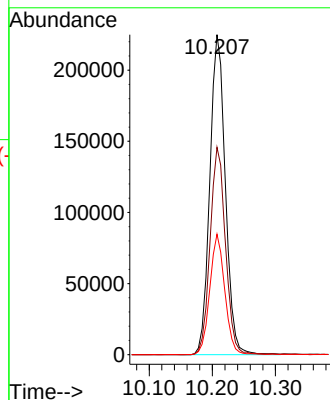
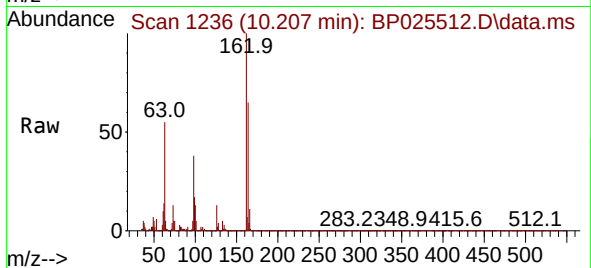




#29
2,4-Dichlorophenol
Concen: 40.068 ng
RT: 10.207 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

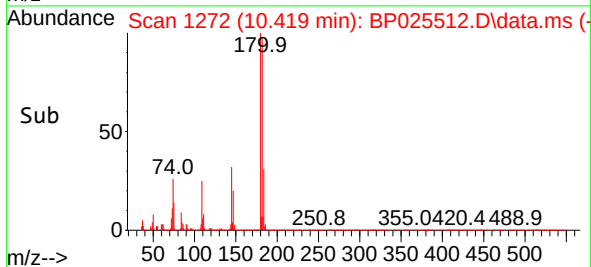
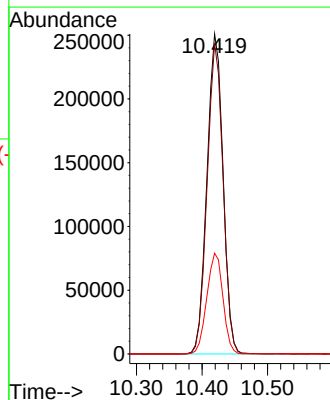
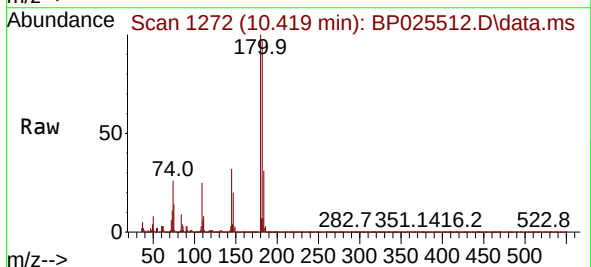
Instrument :
BNA_P
ClientSampleId :
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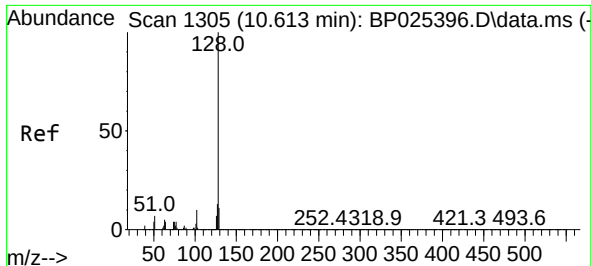
Tgt Ion:162 Resp: 384438
Ion Ratio Lower Upper
162 100
164 64.8 44.4 84.4
98 37.6 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 40.786 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:180 Resp: 428971
Ion Ratio Lower Upper
180 100
182 97.0 78.0 117.0
145 31.5 25.9 38.9

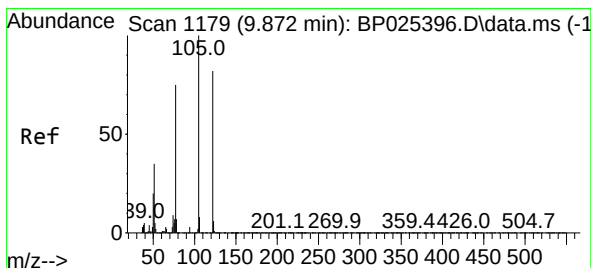
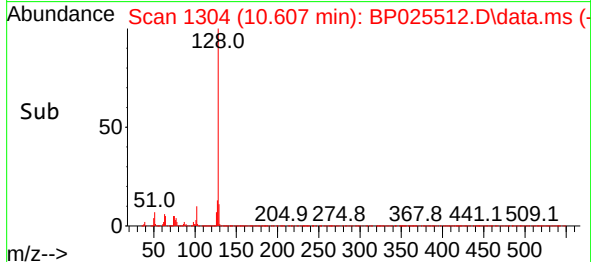
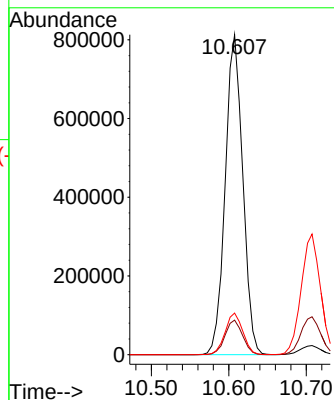
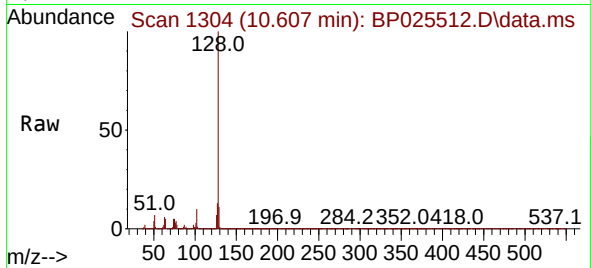




#31
Naphthalene
Concen: 39.747 ng
RT: 10.607 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

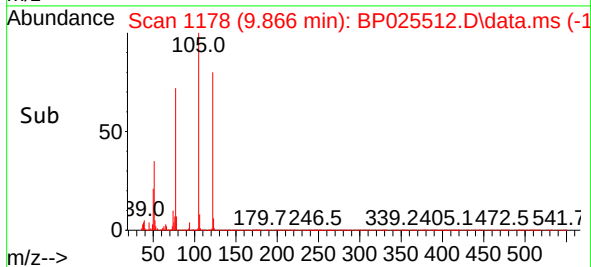
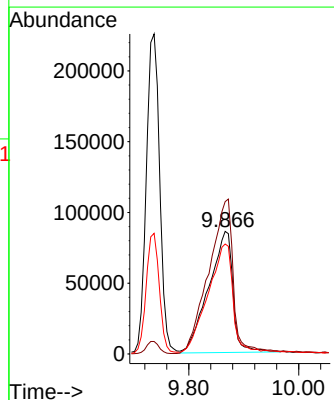
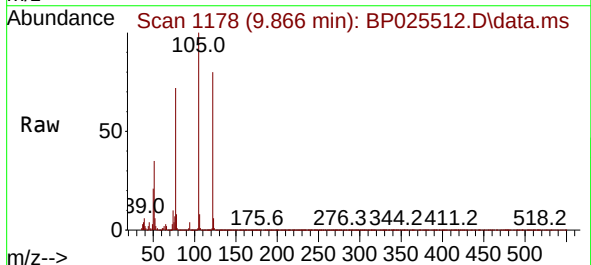
Instrument :
BNA_P
ClientSampleId :
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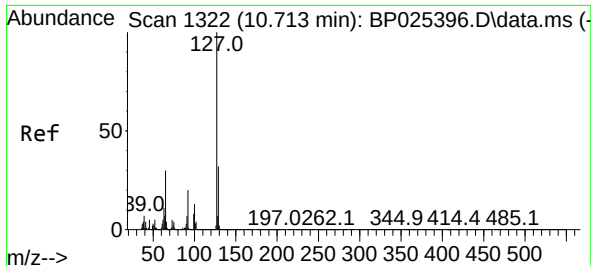
Tgt Ion:128 Resp: 1279654
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.0 10.7 16.1



#32
Benzoic acid
Concen: 36.722 ng
RT: 9.866 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:122 Resp: 261847
Ion Ratio Lower Upper
122 100
105 124.3 100.6 140.6
77 89.7 71.5 111.5

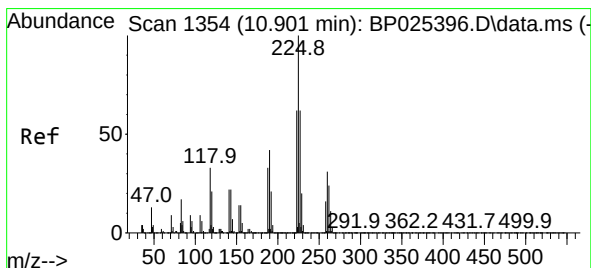
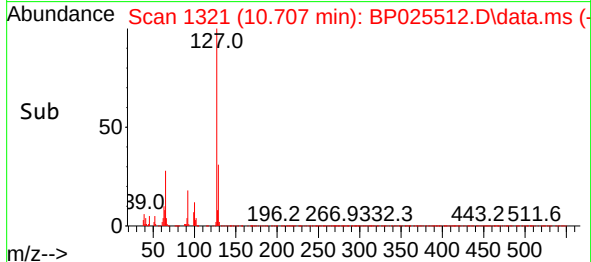
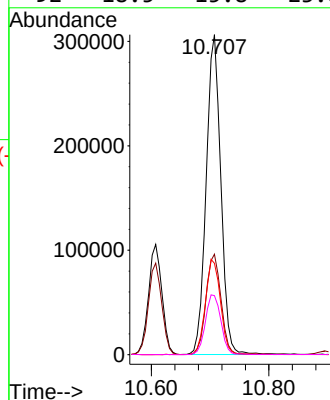
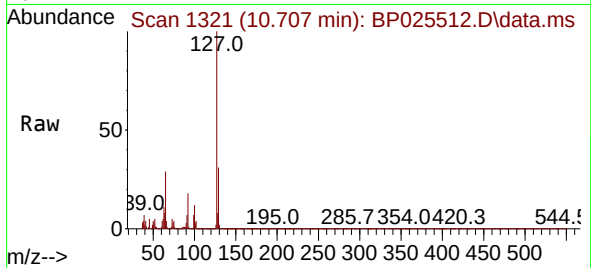




#33
4-Chloroaniline
Concen: 37.353 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

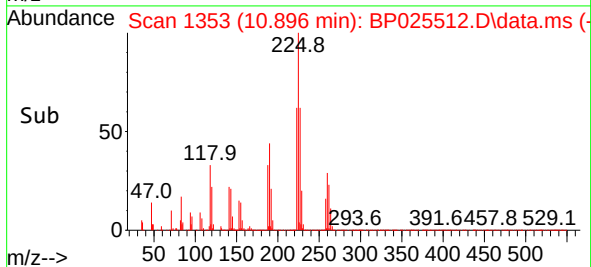
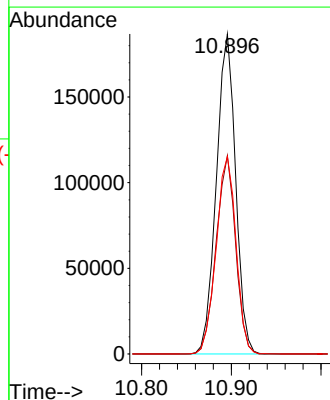
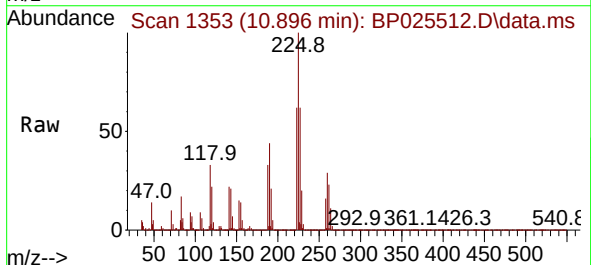
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

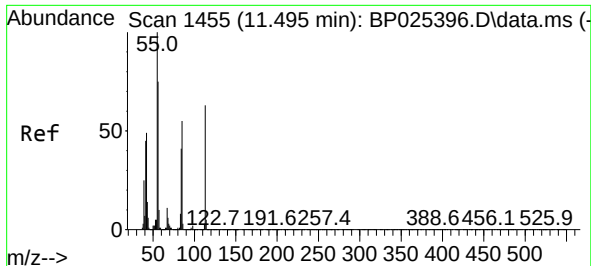
Tgt	Ion:127	Resp:	531205
Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.4	38.2
65	28.5	23.8	35.6
92	18.5	15.8	23.8



#34
Hexachlorobutadiene
Concen: 42.538 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt	Ion:225	Resp:	278633
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.0	75.0
227	61.7	49.7	74.5

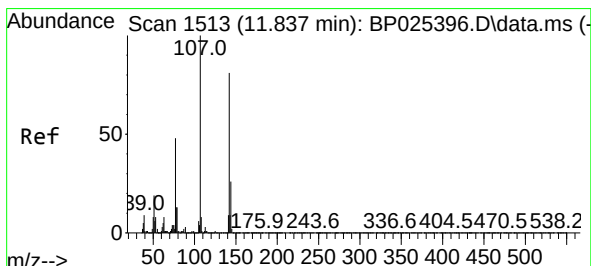
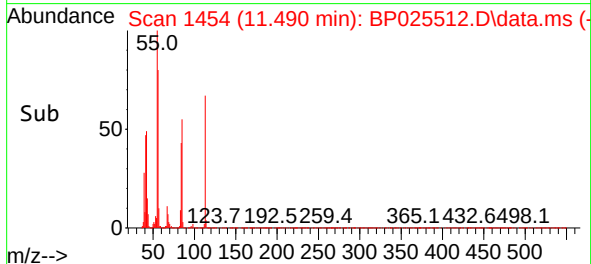
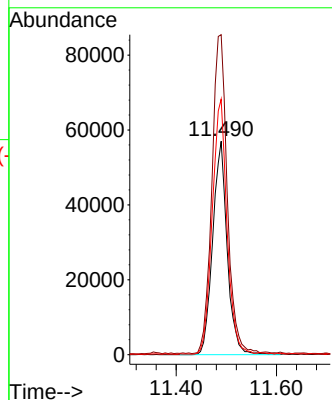
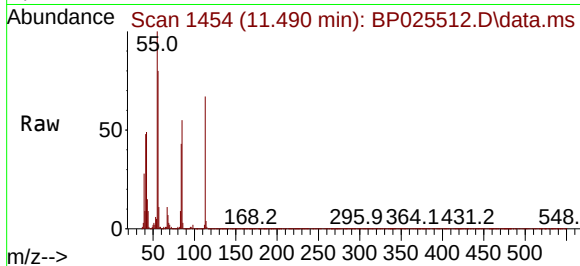




#35
Caprolactam
Concen: 32.534 ng
RT: 11.490 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

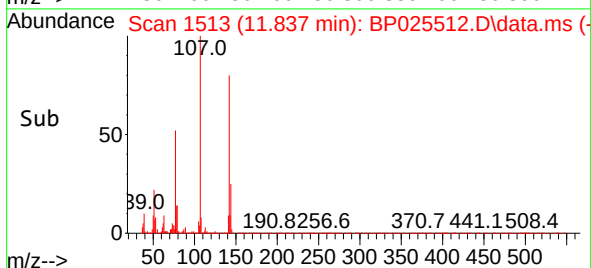
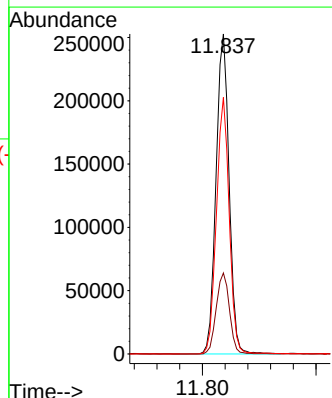
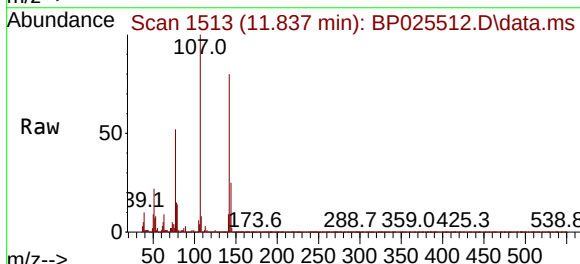
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

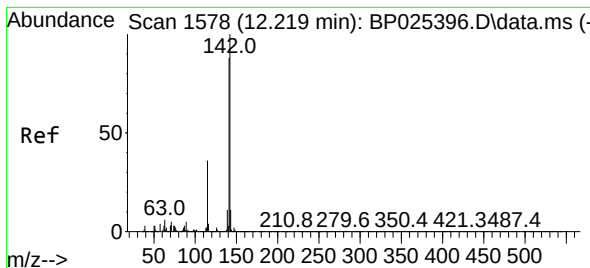
Tgt Ion:113 Resp: 114461
Ion Ratio Lower Upper
113 100
55 149.9 140.0 180.0
56 119.7 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 36.511 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:107 Resp: 401963
Ion Ratio Lower Upper
107 100
144 25.3 21.0 31.4
142 80.2 64.6 97.0

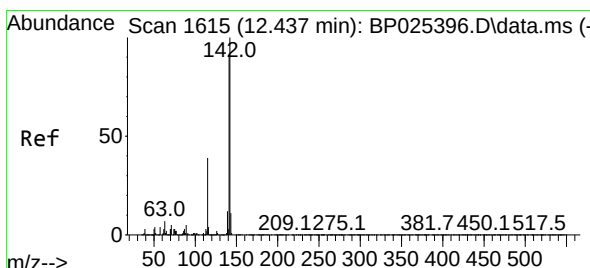
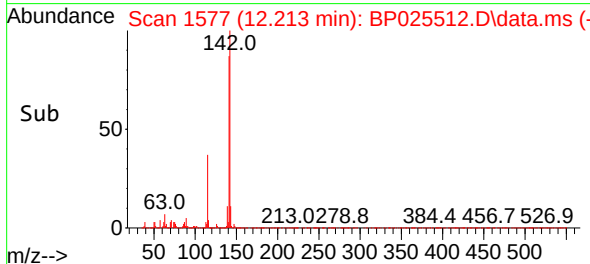
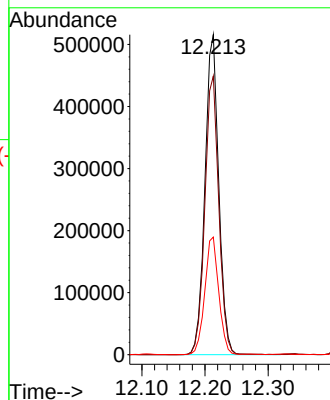
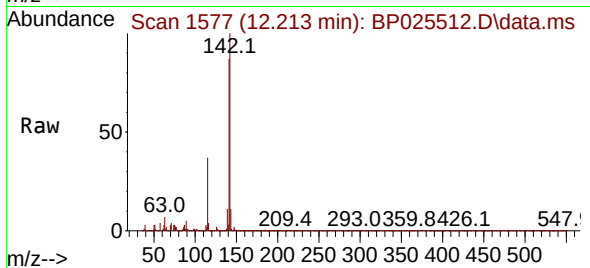




#37
2-Methylnaphthalene
Concen: 37.407 ng
RT: 12.213 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

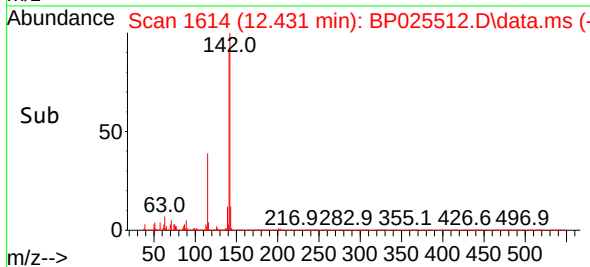
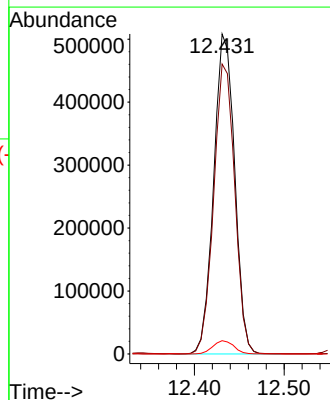
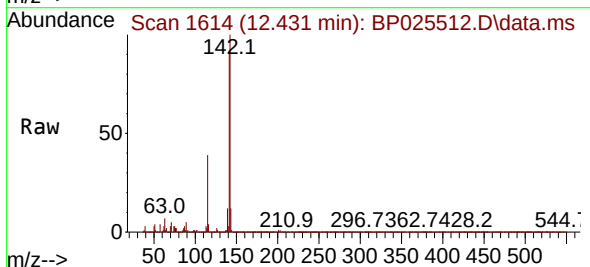
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

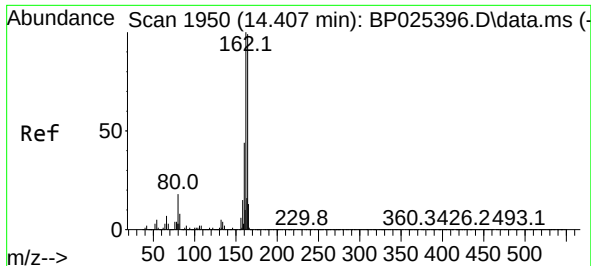
Tgt Ion:142 Resp: 783727
Ion Ratio Lower Upper
142 100
141 87.0 70.3 105.5
115 36.8 28.9 43.3



#38
1-Methylnaphthalene
Concen: 36.937 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:142 Resp: 822994
Ion Ratio Lower Upper
142 100
141 90.6 73.1 109.7
116 4.2 3.2 4.8

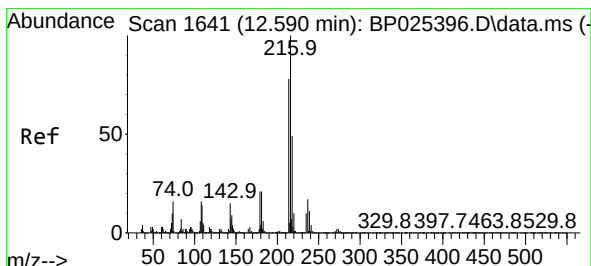
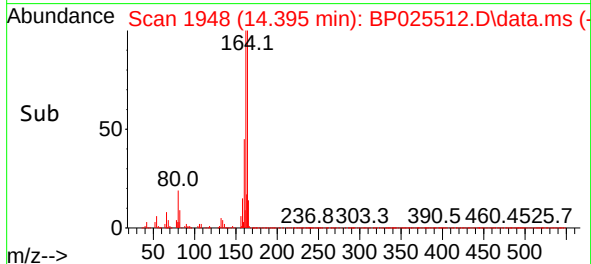
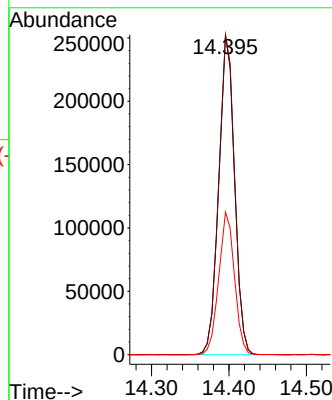
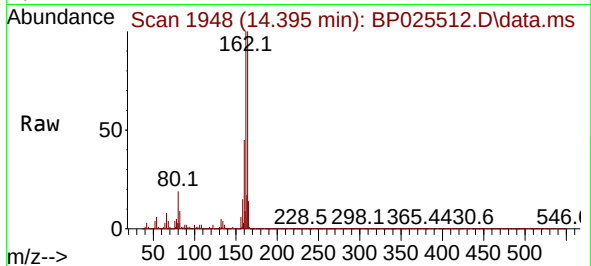




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

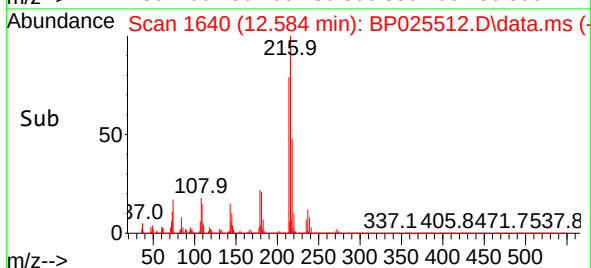
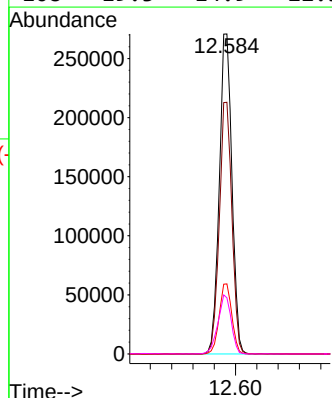
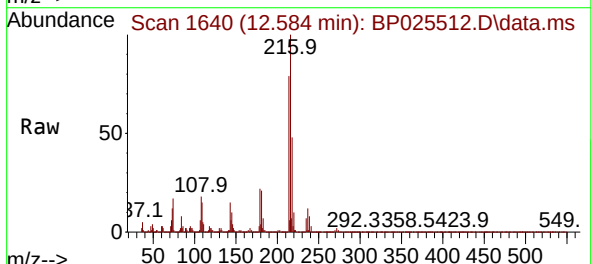
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

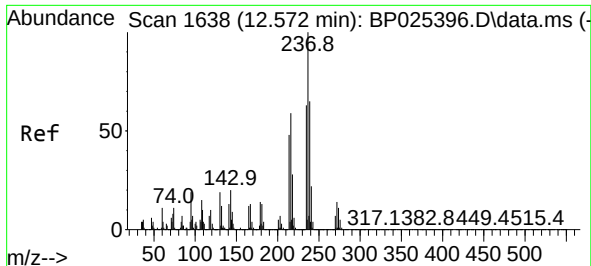
Tgt Ion:164 Resp: 355189
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.6
160 44.6 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.350 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:216 Resp: 444699
Ion Ratio Lower Upper
216 100
214 78.3 63.0 94.4
179 22.0 17.1 25.7
108 19.3 14.9 22.3

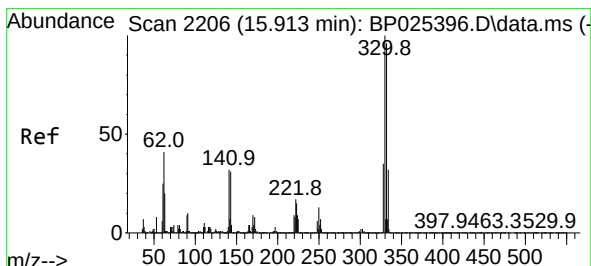
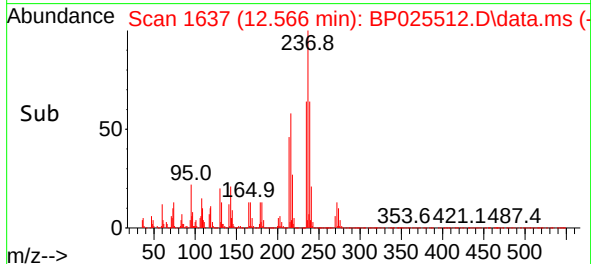
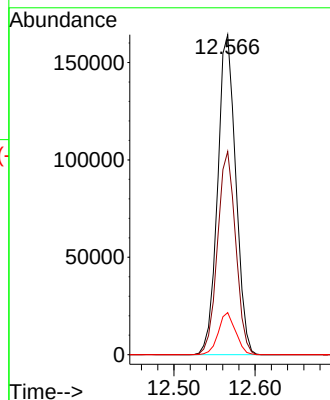
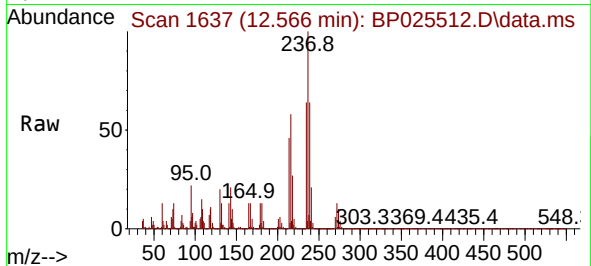




#41
Hexachlorocyclopentadiene
Concen: 41.195 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

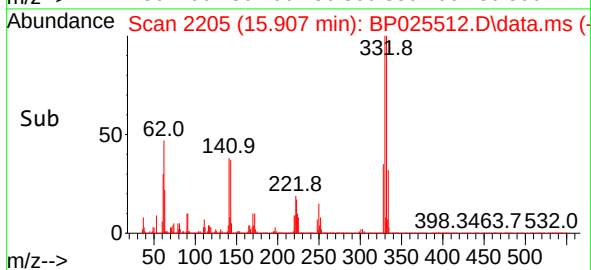
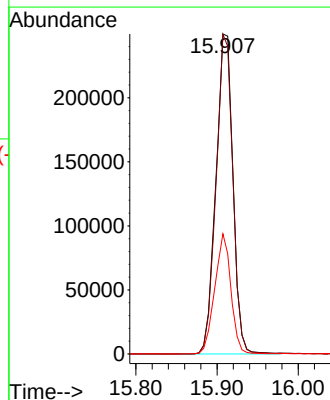
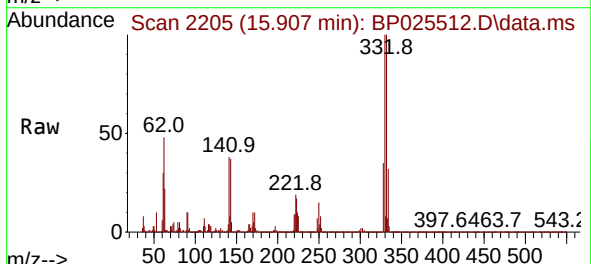
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

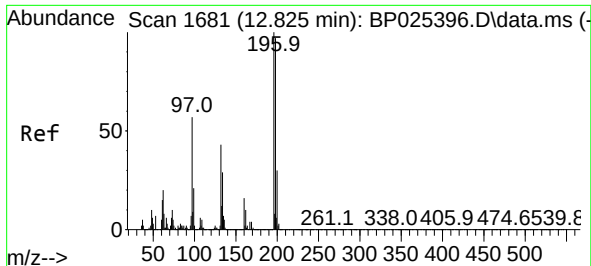
Tgt Ion:237 Resp: 255262
Ion Ratio Lower Upper
237 100
235 63.5 42.7 82.7
272 13.1 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 76.447 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:330 Resp: 365485
Ion Ratio Lower Upper
330 100
332 98.1 77.3 115.9
141 35.5 26.6 39.8

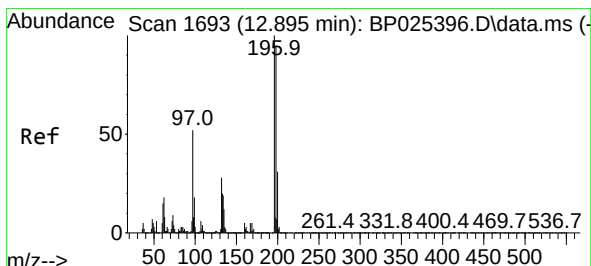
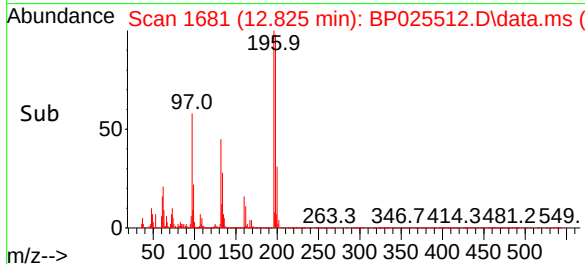
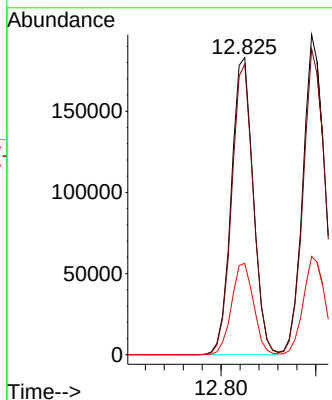
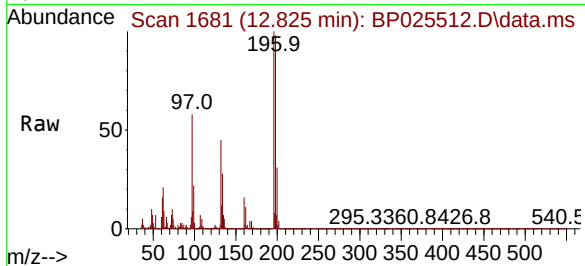




#43
2,4,6-Trichlorophenol
Concen: 42.446 ng
RT: 12.825 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

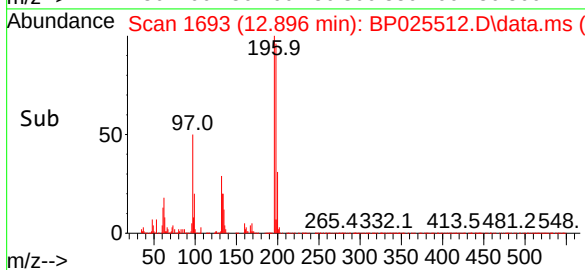
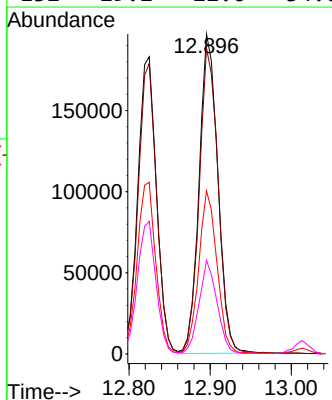
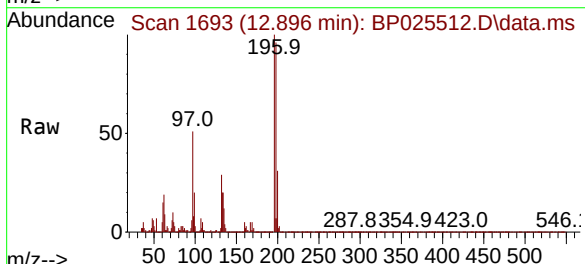
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

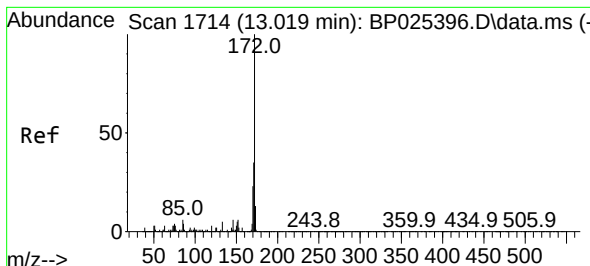
Tgt Ion:196 Resp: 293959
Ion Ratio Lower Upper
196 100
198 97.8 77.2 115.8
200 30.7 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 41.744 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:196 Resp: 316844
Ion Ratio Lower Upper
196 100
198 95.6 76.2 114.2
97 51.0 41.2 61.8
132 29.2 22.6 34.0

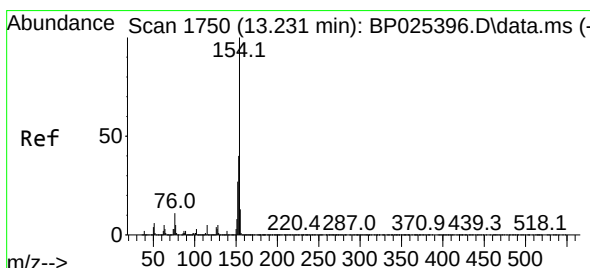
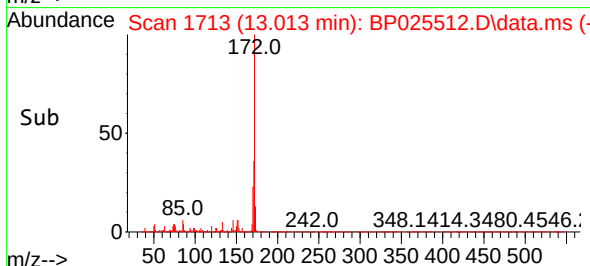
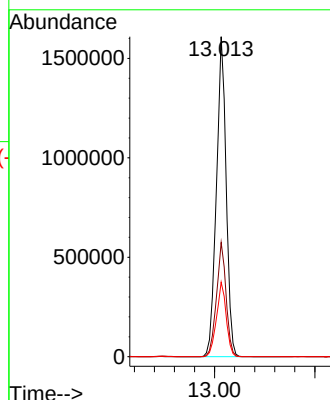
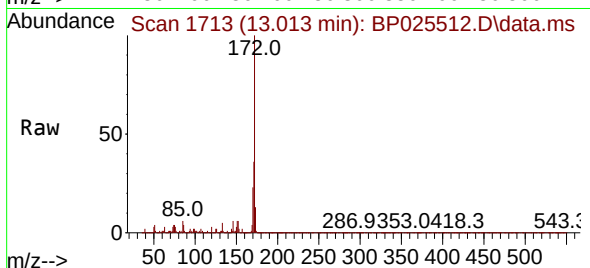




#45
2-Fluorobiphenyl
Concen: 83.434 ng
RT: 13.013 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

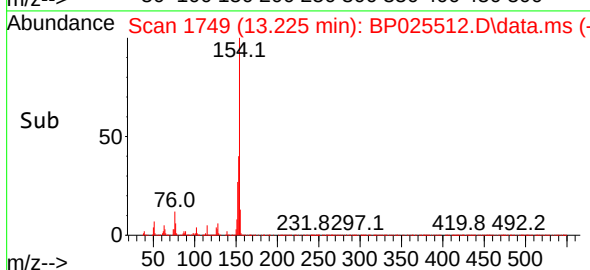
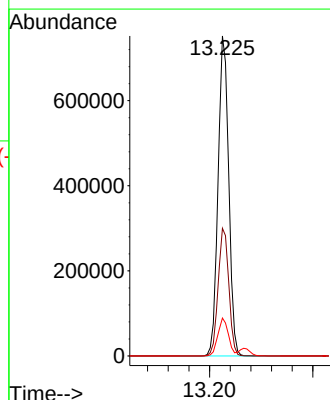
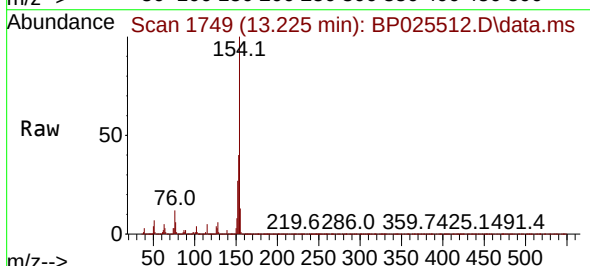
Instrument :
BNA_P
ClientSampleId :
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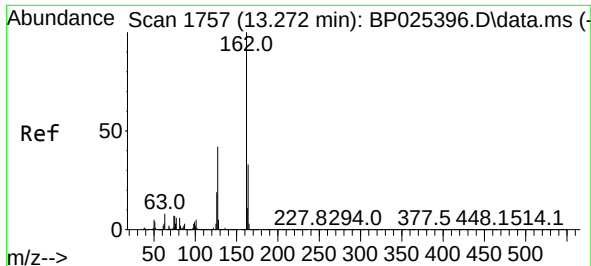
Tgt Ion:172 Resp: 2168370
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 41.508 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:154 Resp: 1070736
Ion Ratio Lower Upper
154 100
153 39.9 19.5 59.5
76 11.9 0.0 31.1

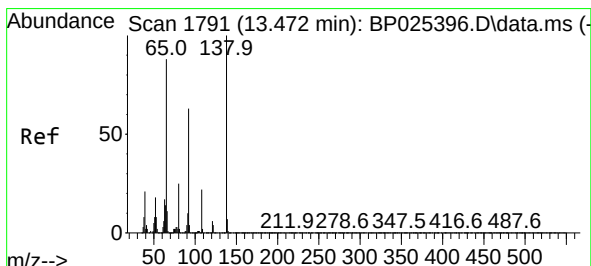
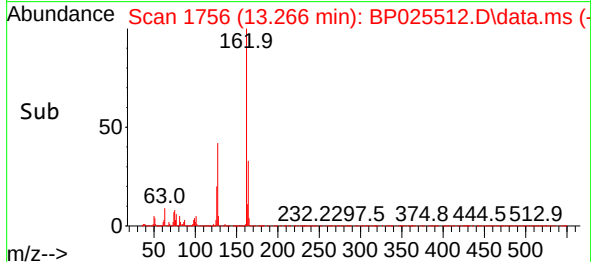
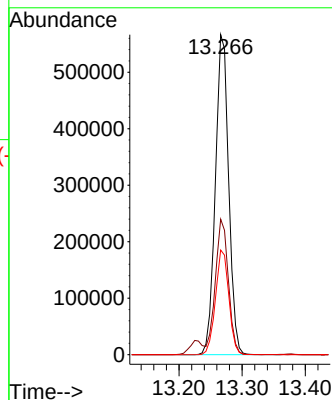
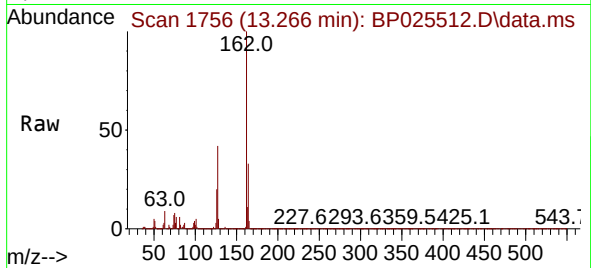




#47
2-Chloronaphthalene
Concen: 41.219 ng
RT: 13.266 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

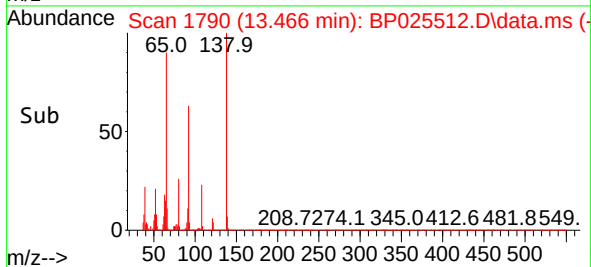
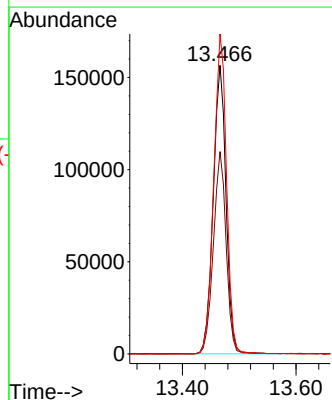
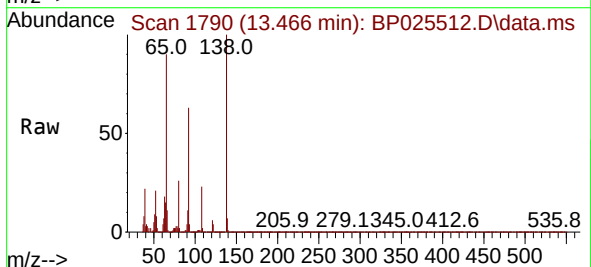
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

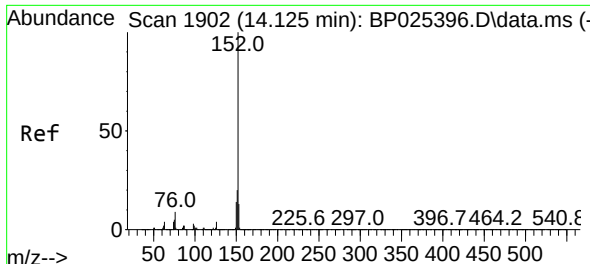
Tgt Ion:162 Resp: 827743
Ion Ratio Lower Upper
162 100
127 42.3 33.4 50.2
164 32.7 26.2 39.2



#48
2-Nitroaniline
Concen: 41.628 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 65 Resp: 243579
Ion Ratio Lower Upper
65 100
92 70.1 57.6 86.4
138 110.9 91.0 136.6

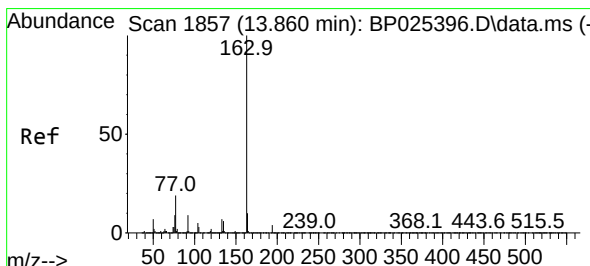
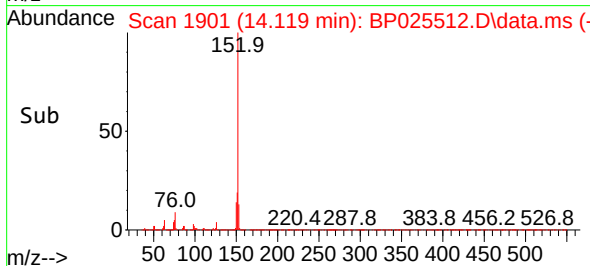
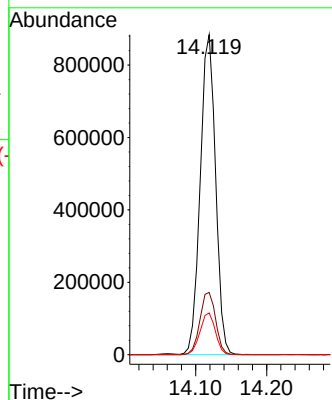
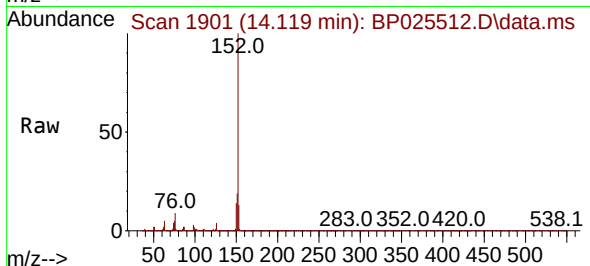




#49
Acenaphthylene
Concen: 40.001 ng
RT: 14.119 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

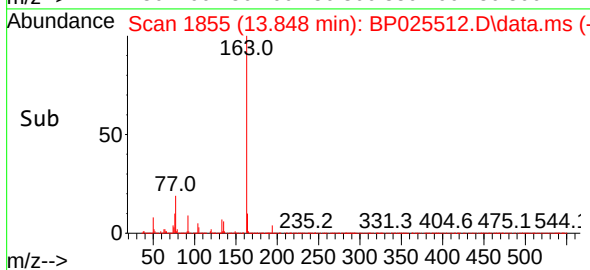
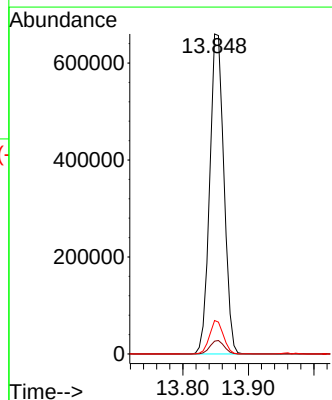
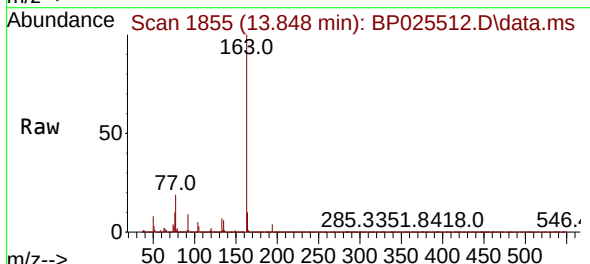
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

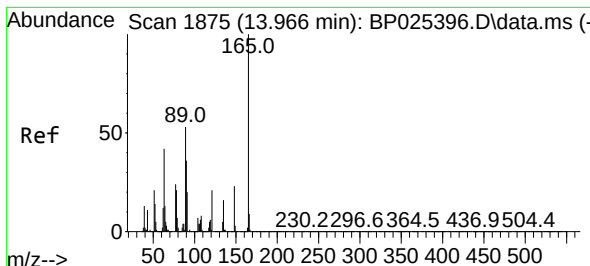
Tgt Ion:152 Resp: 1329242
Ion Ratio Lower Upper
152 100
151 19.5 16.0 24.0
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 38.219 ng
RT: 13.848 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:163 Resp: 994069
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.4 7.9 11.9

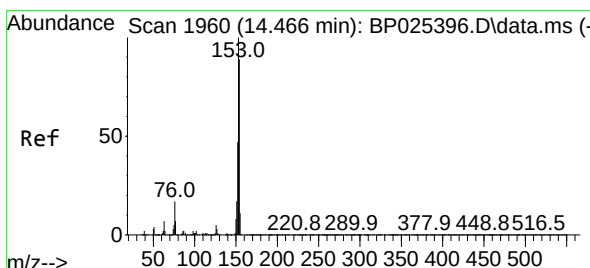
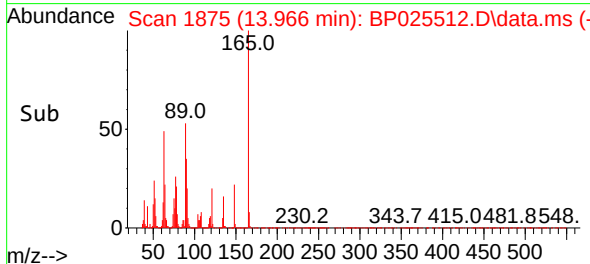
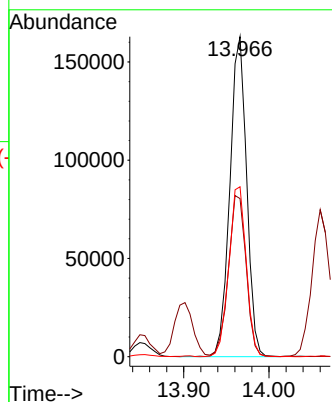
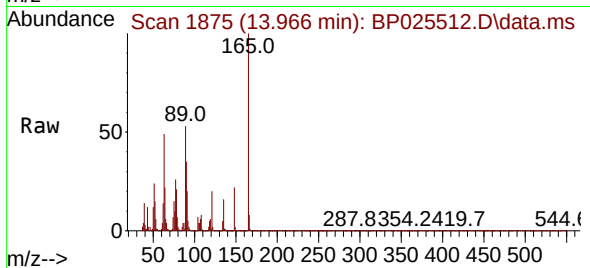




#51
2,6-Dinitrotoluene
Concen: 40.576 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

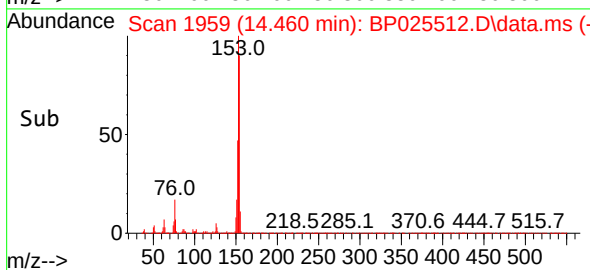
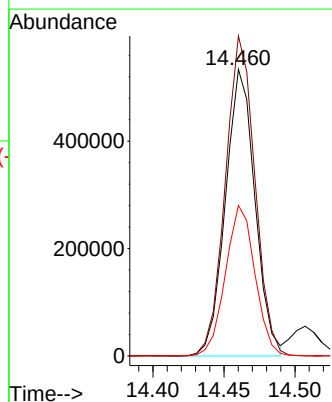
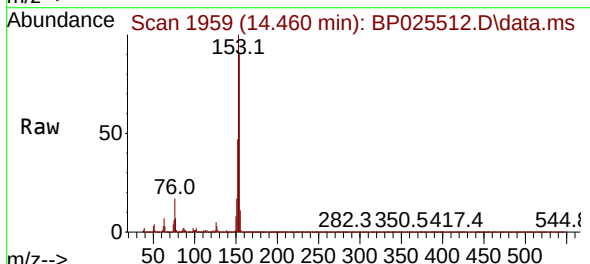
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

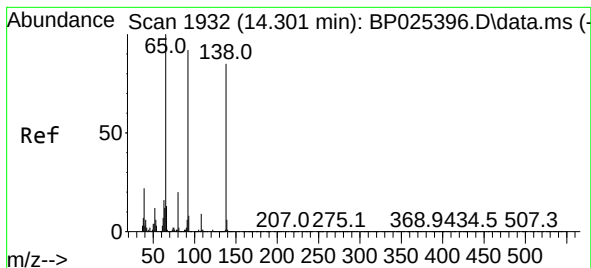
Tgt Ion:165 Resp: 222447
Ion Ratio Lower Upper
165 100
63 49.4 40.9 61.3
89 53.1 42.1 63.1



#52
Acenaphthene
Concen: 39.546 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:154 Resp: 771351
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.2
152 52.5 42.1 63.1

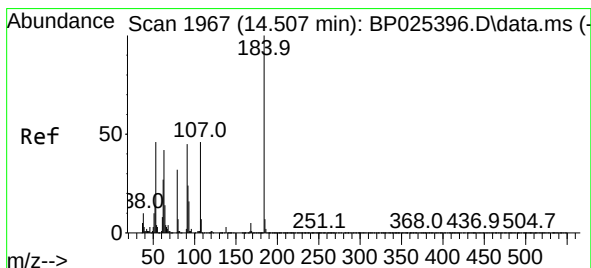
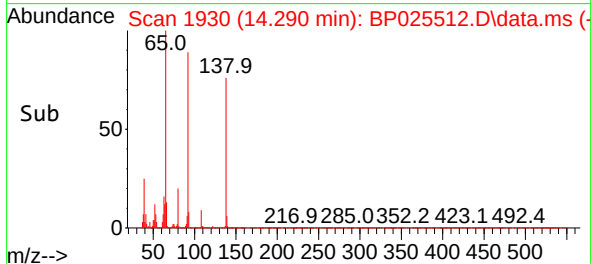
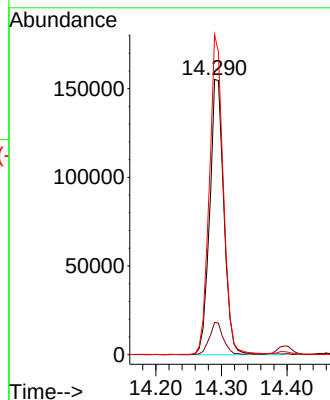
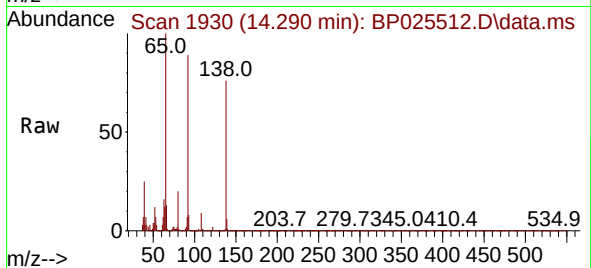




#53
3-Nitroaniline
Concen: 37.912 ng
RT: 14.290 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

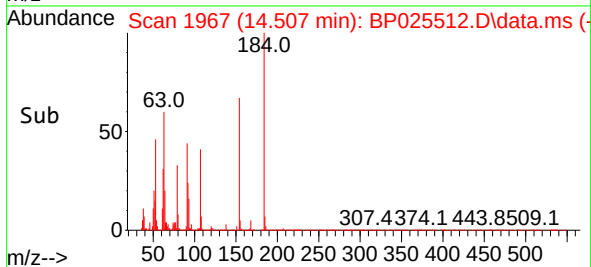
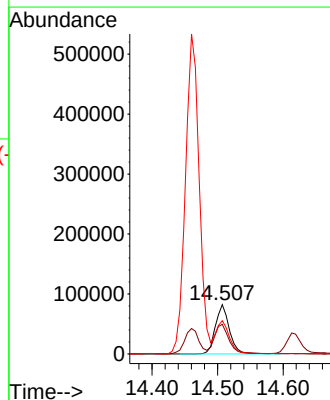
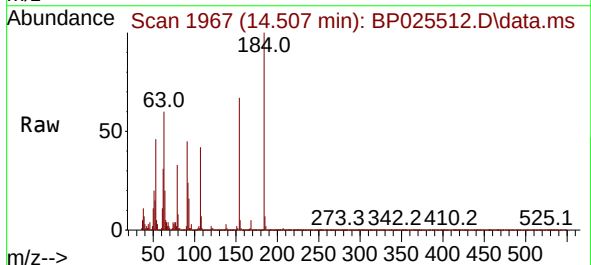
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

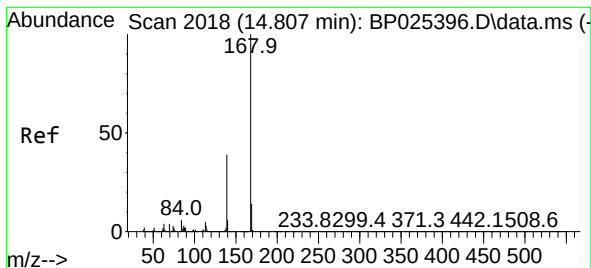
Tgt Ion:138 Resp: 233840
Ion Ratio Lower Upper
138 100
108 11.8 8.3 12.5
92 116.3 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 41.686 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:184 Resp: 122042
Ion Ratio Lower Upper
184 100
63 60.0 49.4 74.2
154 67.5 54.6 82.0





#55

Dibenzenofuran

Concen: 39.221 ng

RT: 14.801 min Scan# 20

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

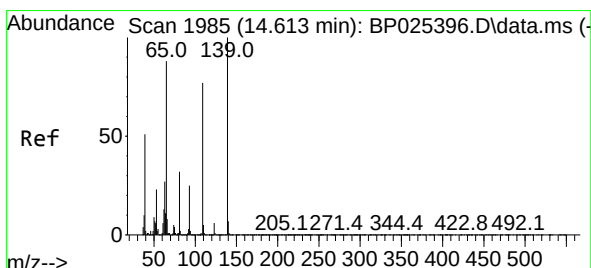
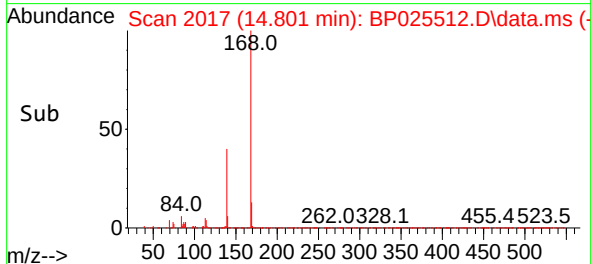
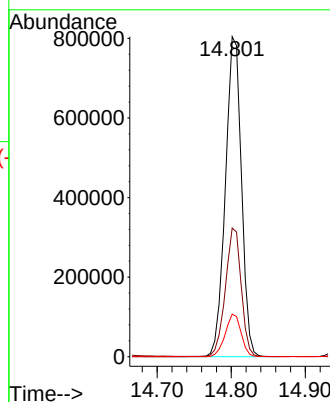
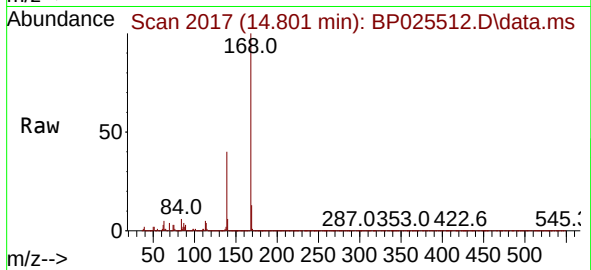
Tgt Ion:168 Resp: 1209507

Ion Ratio Lower Upper

168 100

139 40.2 31.5 47.3

169 13.3 10.9 16.3



#56

4-Nitrophenol

Concen: 37.212 ng

RT: 14.613 min Scan# 1985

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

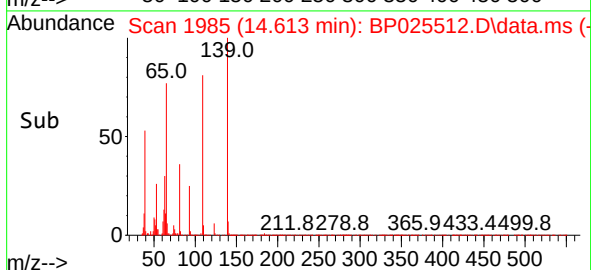
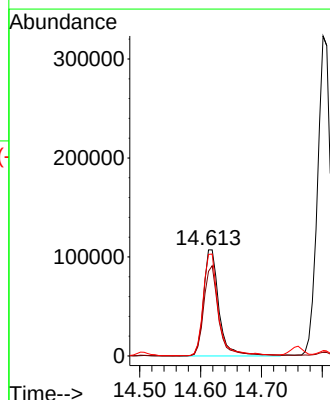
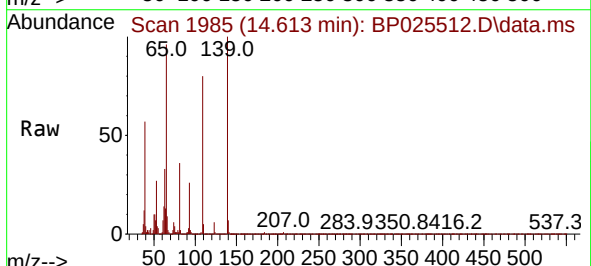
Tgt Ion:139 Resp: 188606

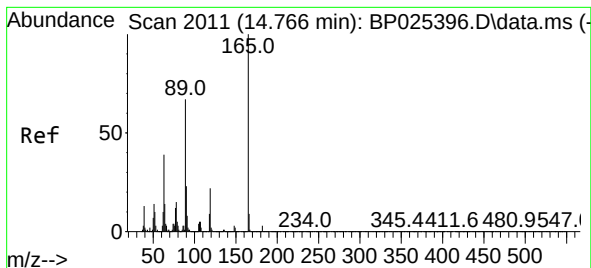
Ion Ratio Lower Upper

139 100

109 79.8 56.6 96.6

65 95.8 68.2 108.2



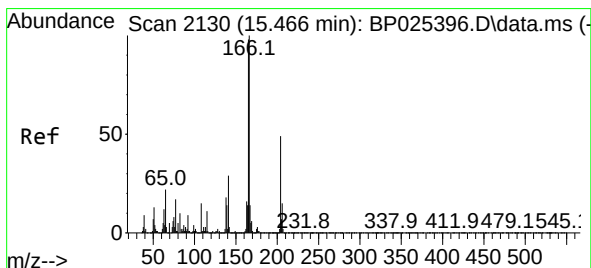
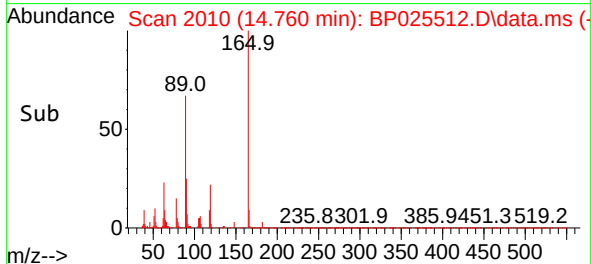
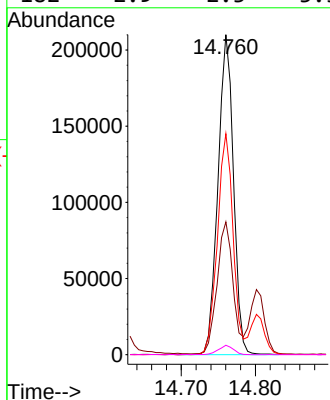
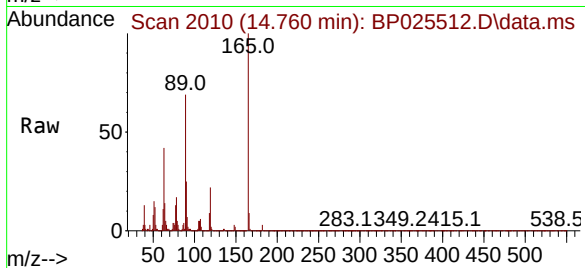


#57
2,4-Dinitrotoluene
Concen: 39.004 ng
RT: 14.760 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 305079

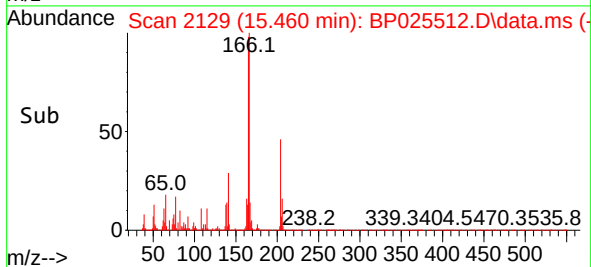
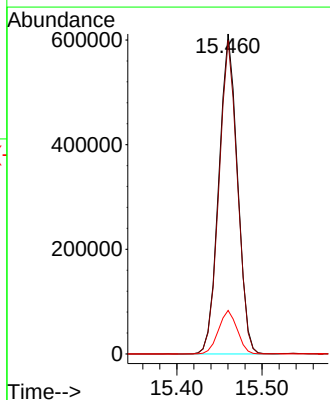
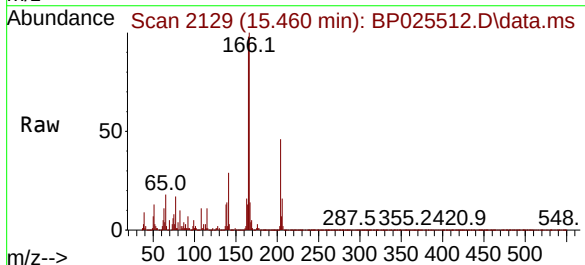
Ion	Ratio	Lower	Upper
165	100		
63	41.5	31.4	47.2
89	69.1	53.3	79.9
182	2.9	2.3	3.5

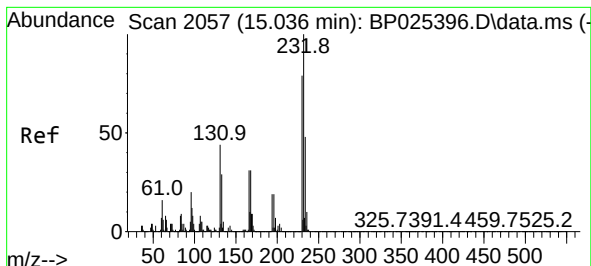


#58
Fluorene
Concen: 38.132 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:166 Resp: 927874

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.8	118.2
167	13.6	11.0	16.4



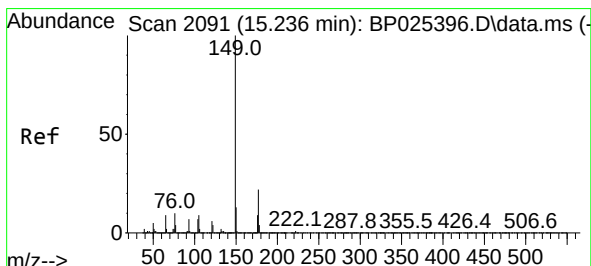
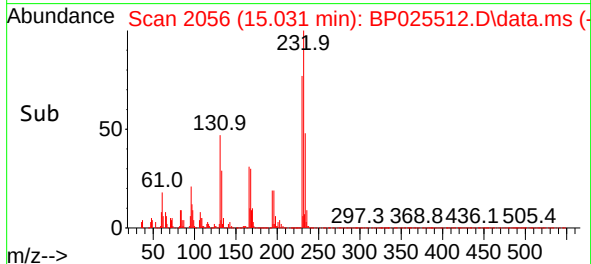
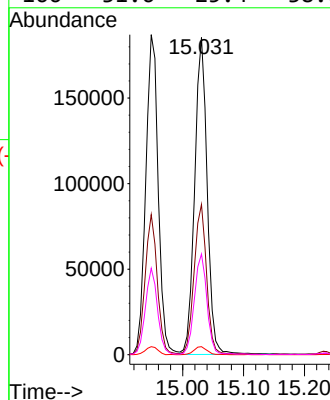
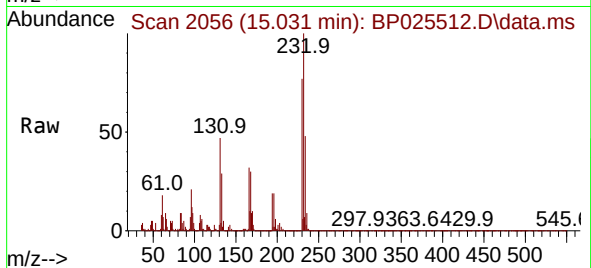


#59
2,3,4,6-Tetrachlorophenol
Concen: 39.405 ng
RT: 15.031 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 264092

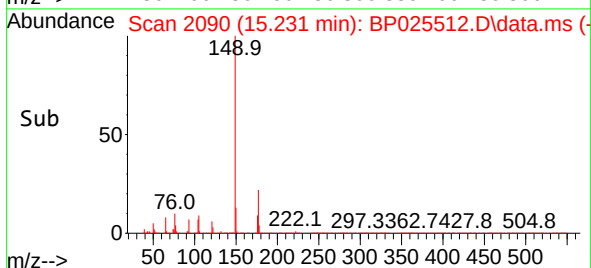
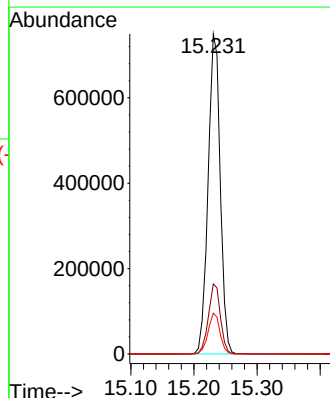
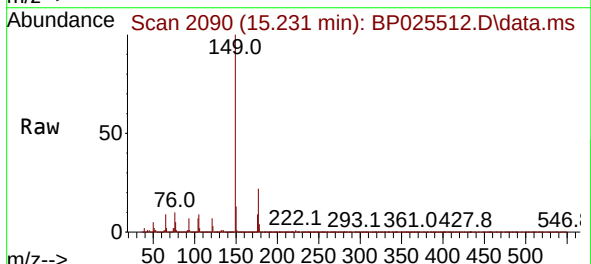
Ion	Ratio	Lower	Upper
232	100		
131	46.7	37.0	55.6
130	2.6	1.9	2.9
166	31.6	25.4	38.0

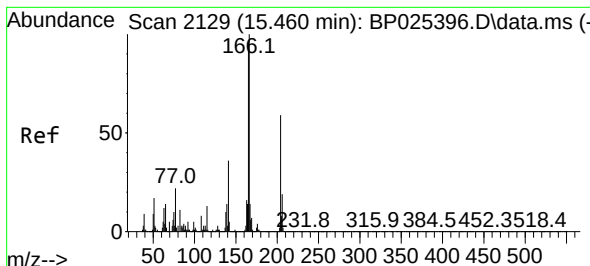


#60
Diethylphthalate
Concen: 37.688 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:149 Resp: 996051

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.8	10.3	15.5

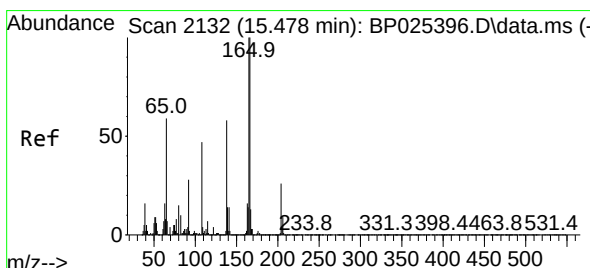
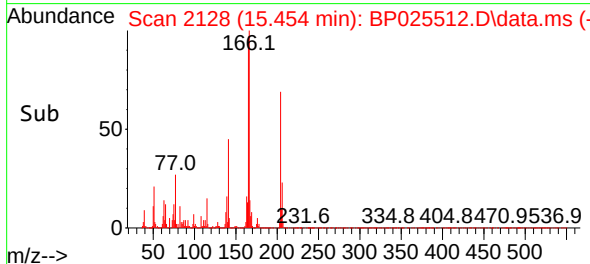
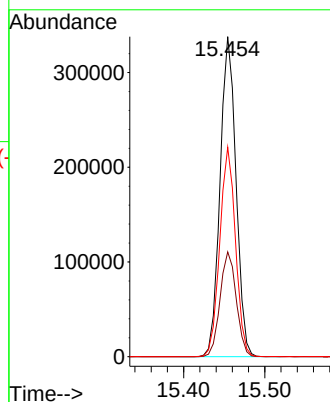
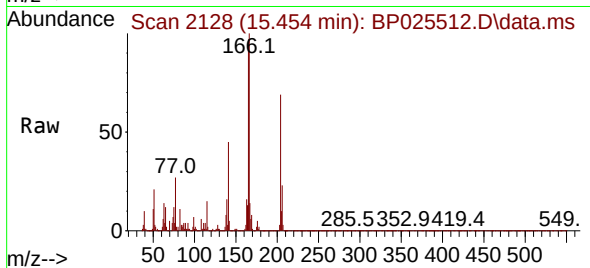




#61
4-Chlorophenyl-phenylether
Concen: 38.204 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

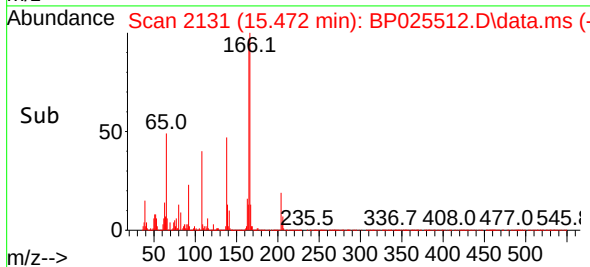
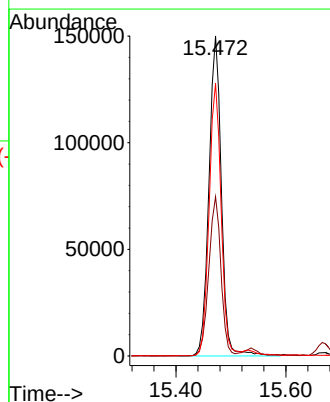
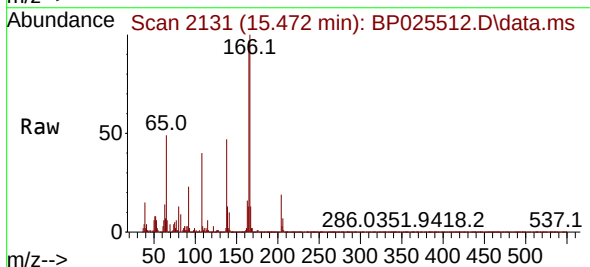
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

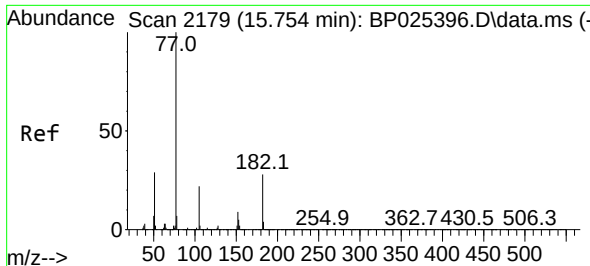
Tgt Ion:204 Resp: 462336
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 65.4 49.4 74.2



#62
4-Nitroaniline
Concen: 37.321 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:138 Resp: 235988
Ion Ratio Lower Upper
138 100
92 49.7 29.1 69.1
108 85.2 61.5 101.5

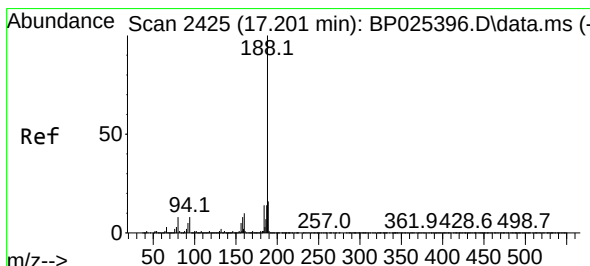
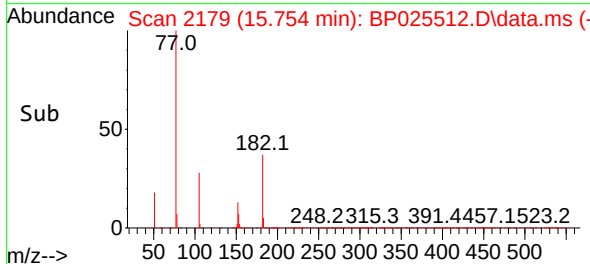
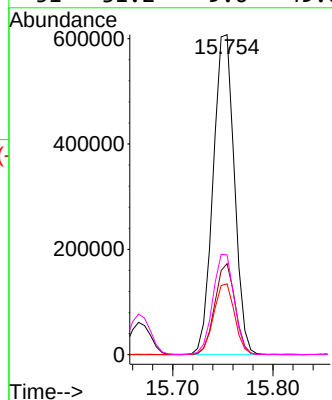
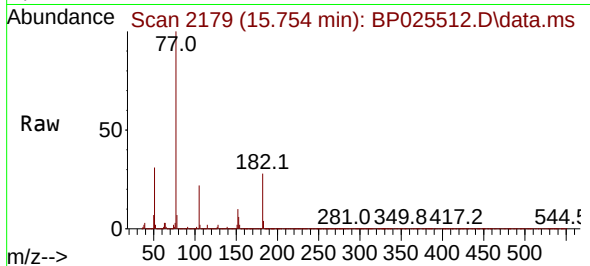




#63
Azobenzene
Concen: 39.346 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

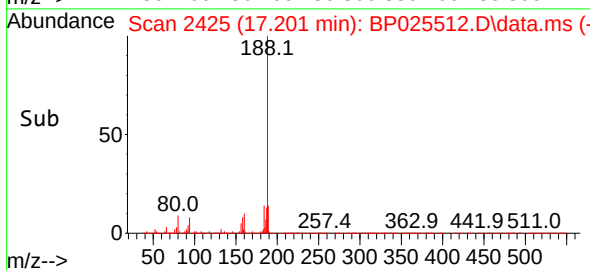
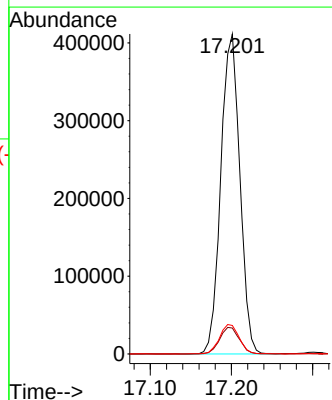
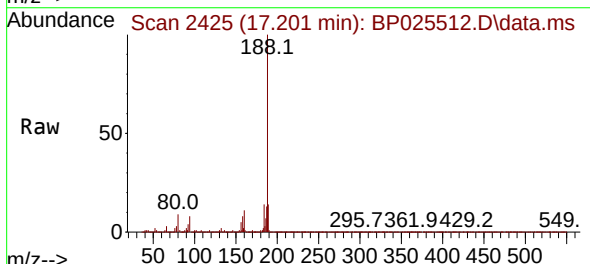
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

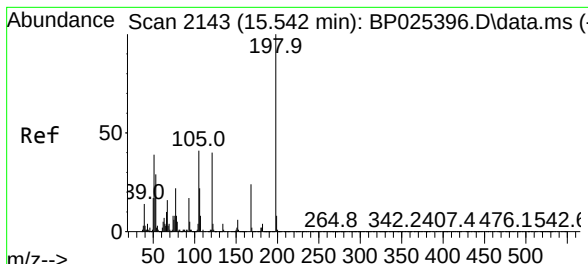
Tgt Ion: 77	Resp: 890410
Ion Ratio	Lower Upper
77 100	
182 28.4	7.5 47.5
105 22.1	2.1 42.1
51 31.2	9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:188	Resp: 670328
Ion Ratio	Lower Upper
188 100	
94 8.1	6.6 10.0
80 8.9	6.7 10.1

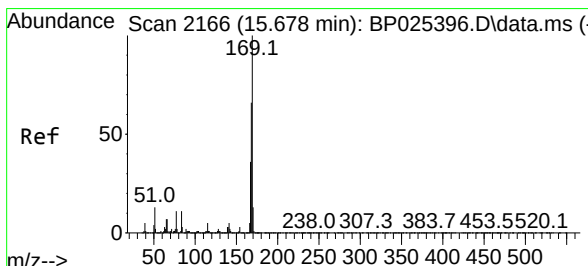
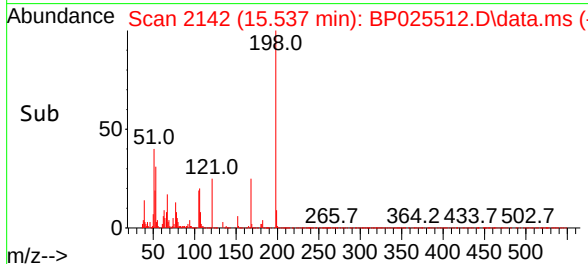
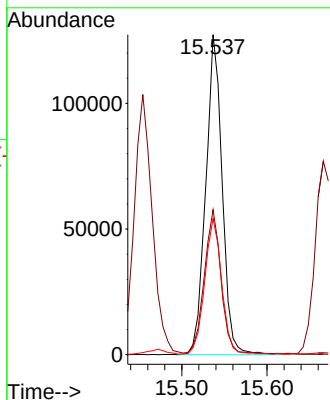
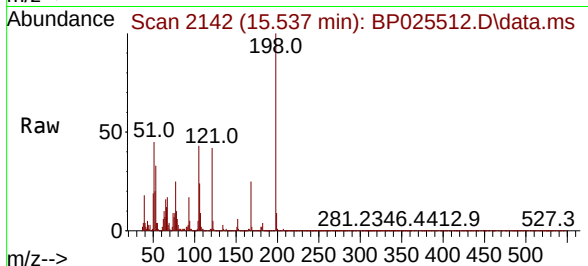




#65
4,6-Dinitro-2-methylphenol
Concen: 40.860 ng
RT: 15.537 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

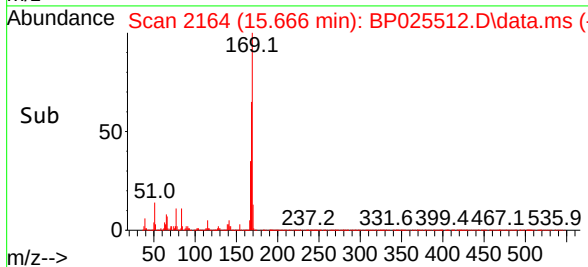
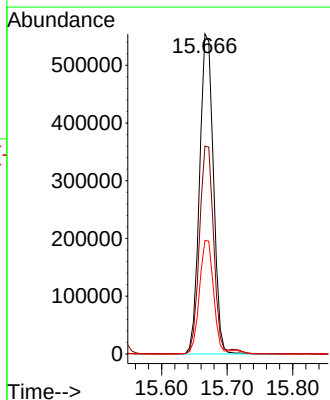
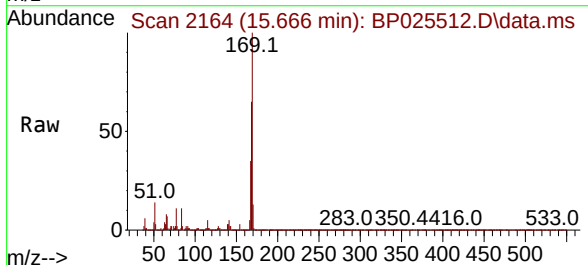
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

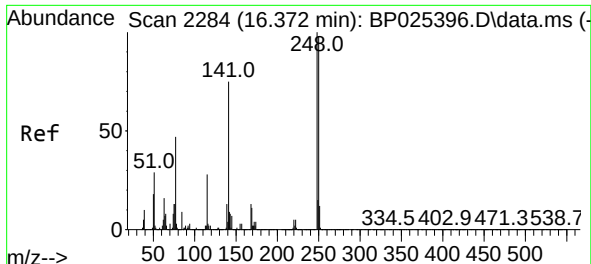
Tgt Ion:198 Resp: 170735
Ion Ratio Lower Upper
198 100
51 45.3 19.6 59.6
105 42.5 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 39.942 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:169 Resp: 816452
Ion Ratio Lower Upper
169 100
168 65.0 53.2 79.8
167 35.5 28.7 43.1

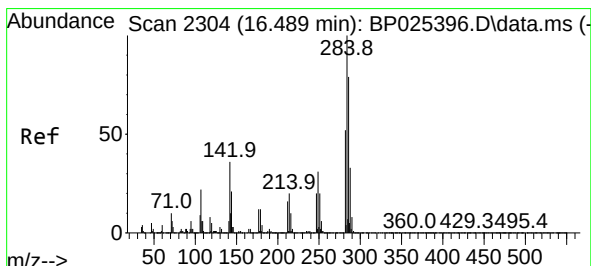
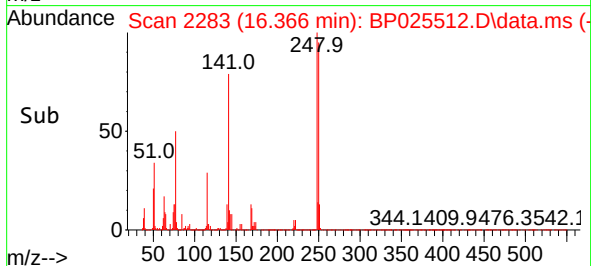
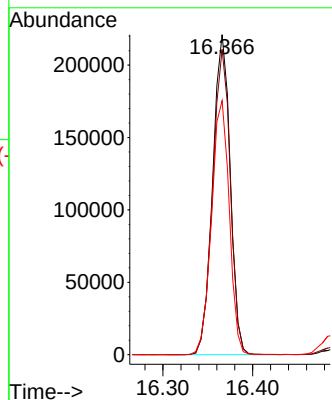
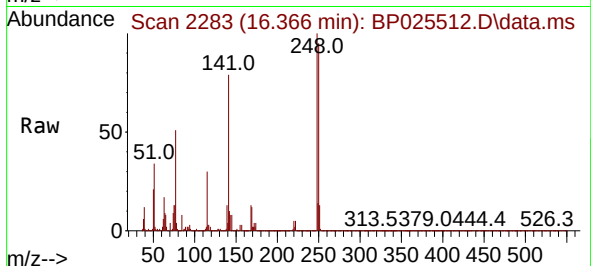




#67
4-Bromophenyl-phenylether
Concen: 40.668 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

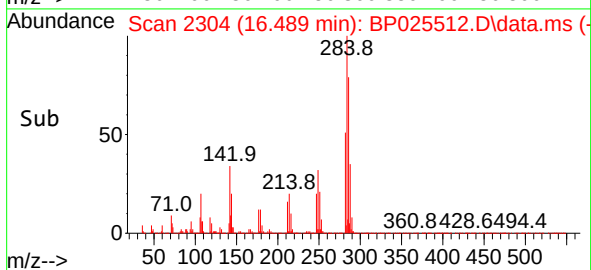
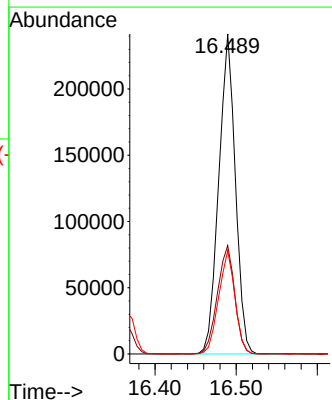
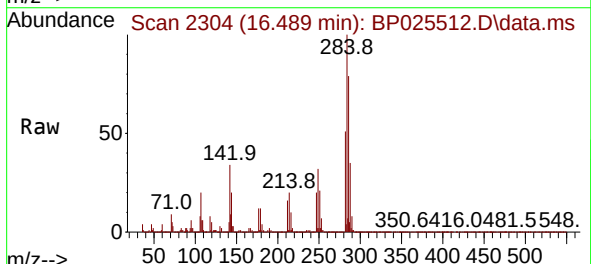
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

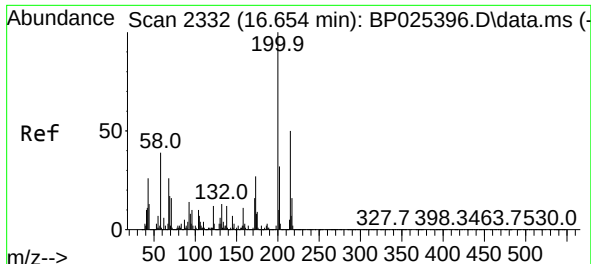
Tgt Ion:248 Resp: 299821
Ion Ratio Lower Upper
248 100
250 95.4 78.2 117.2
141 79.4 59.6 89.4



#68
Hexachlorobenzene
Concen: 40.230 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:284 Resp: 343811
Ion Ratio Lower Upper
284 100
142 33.9 29.1 43.7
249 32.3 25.0 37.4

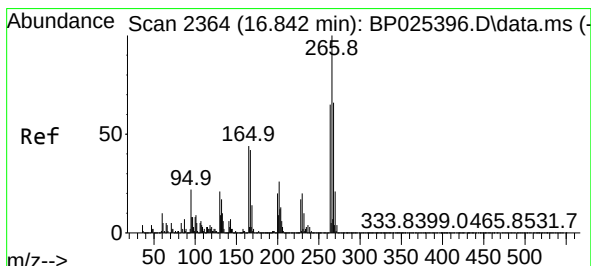
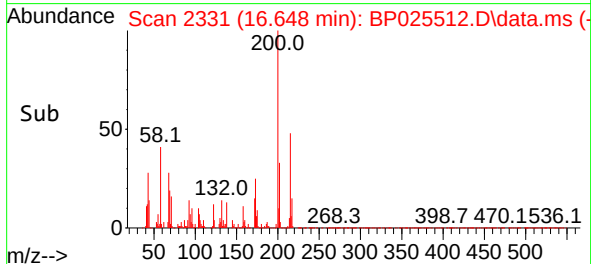
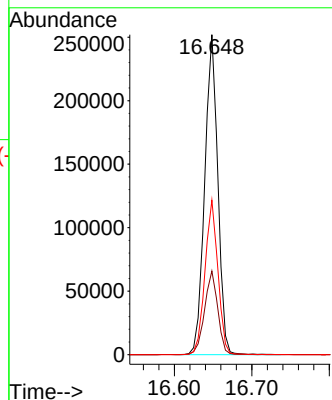
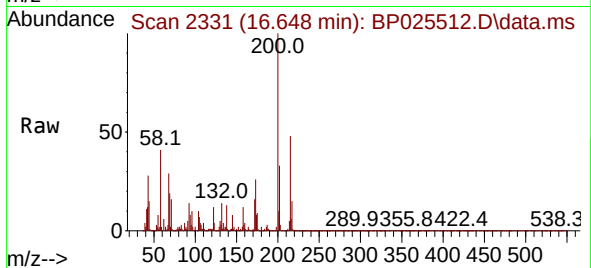




#69
Atrazine
Concen: 38.670 ng
RT: 16.648 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

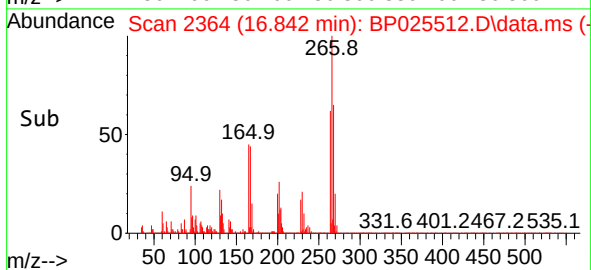
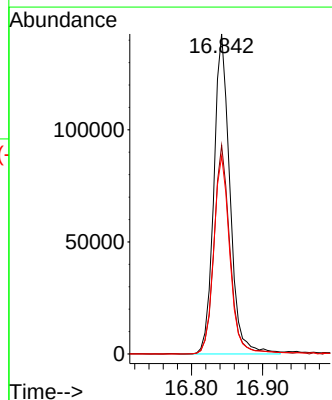
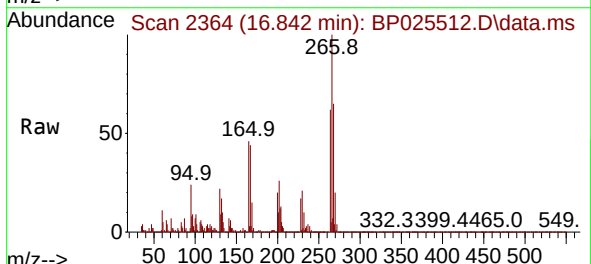
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

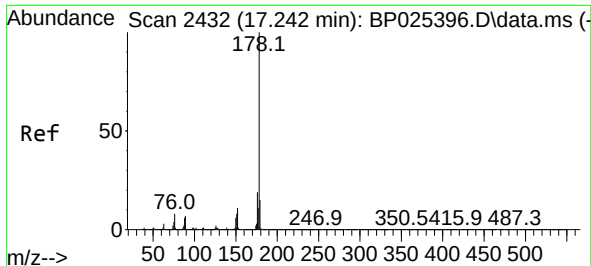
Tgt Ion:200 Resp: 296023
Ion Ratio Lower Upper
200 100
173 26.2 6.7 46.7
215 48.3 29.7 69.7



#70
Pentachlorophenol
Concen: 41.514 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:266 Resp: 223956
Ion Ratio Lower Upper
266 100
268 65.2 52.6 79.0
264 61.8 52.0 78.0

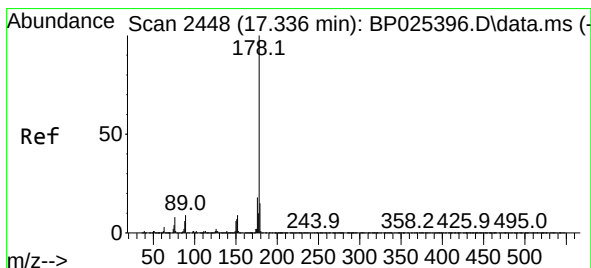
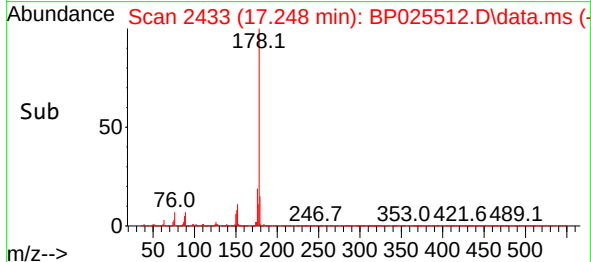
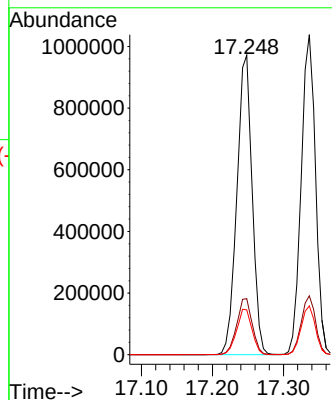
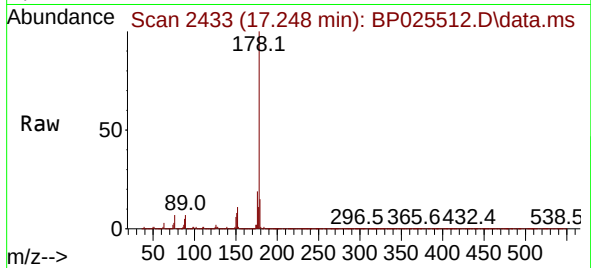




#71
Phenanthrene
Concen: 39.517 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

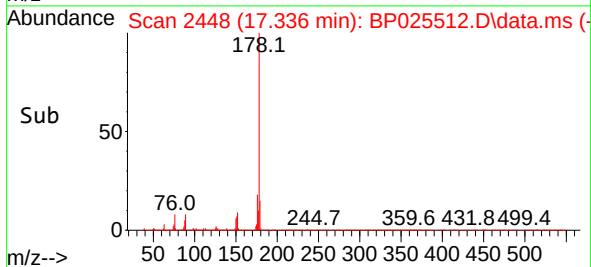
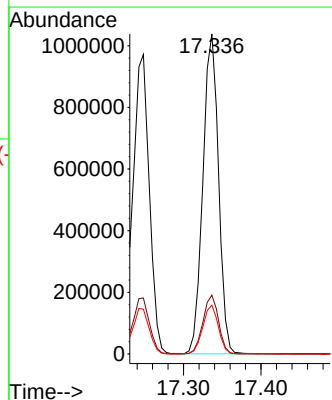
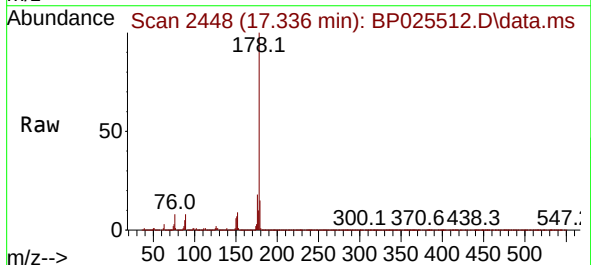
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

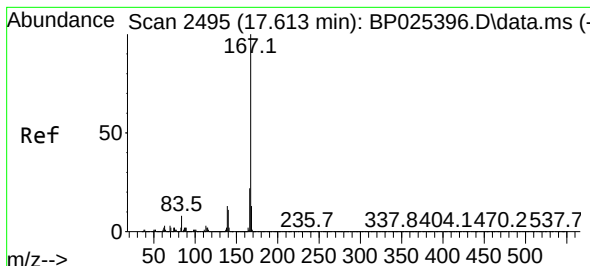
Tgt Ion:178 Resp: 1455152
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.0 12.2 18.4



#72
Anthracene
Concen: 38.632 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:178 Resp: 1452720
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.2 12.2 18.2





#73

Carbazole

Concen: 38.700 ng

RT: 17.613 min Scan# 2495

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

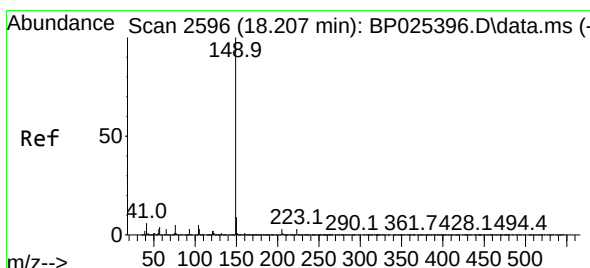
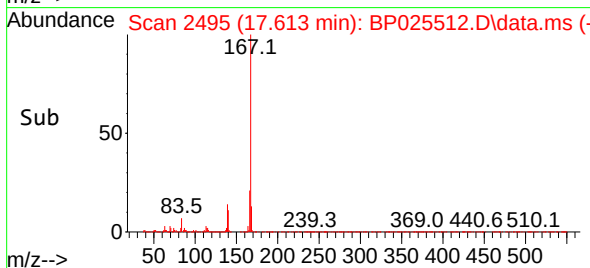
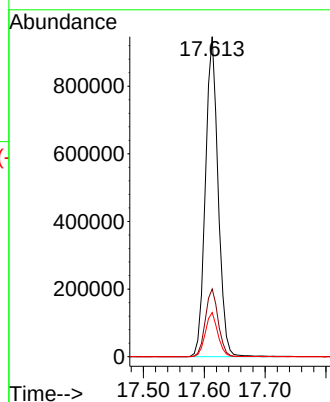
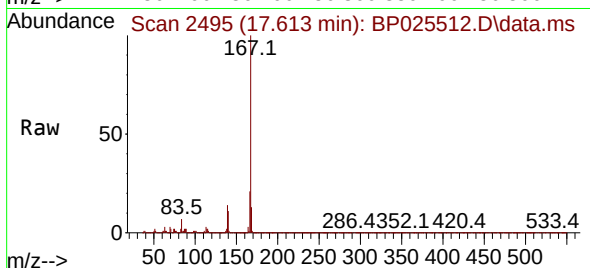
Tgt Ion:167 Resp: 1370739

Ion Ratio Lower Upper

167 100

166 21.2 17.5 26.3

139 13.8 10.6 16.0



#74

Di-n-butylphthalate

Concen: 40.436 ng

RT: 18.213 min Scan# 2597

Delta R.T. 0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

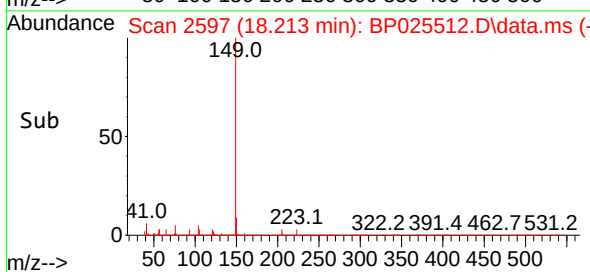
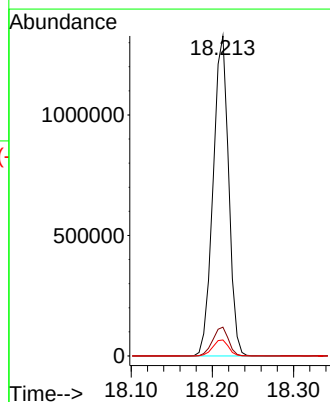
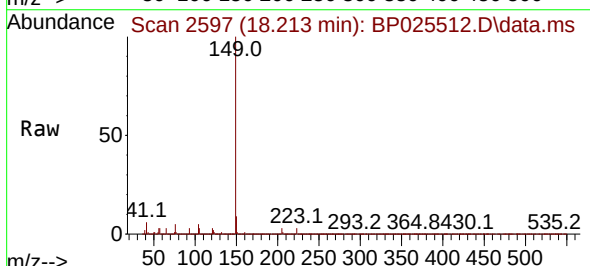
Tgt Ion:149 Resp: 1762119

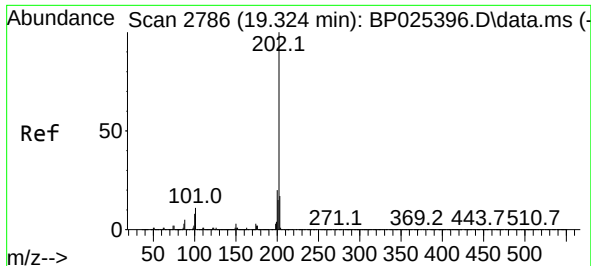
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

104 5.0 4.2 6.2

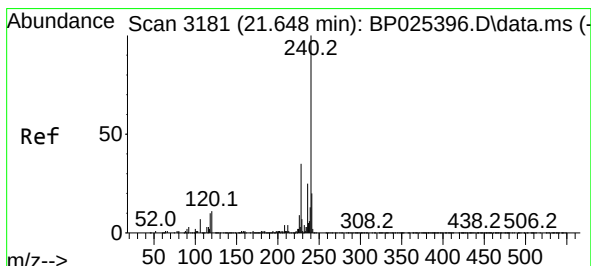
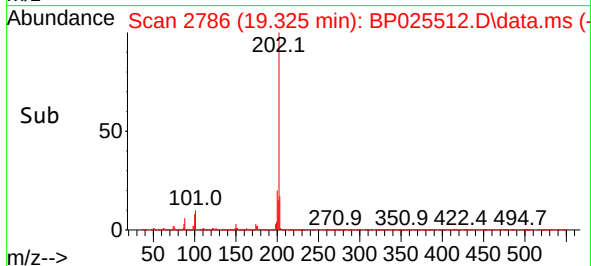
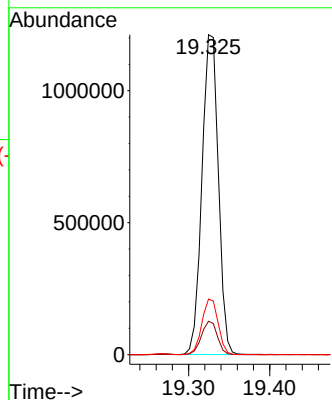
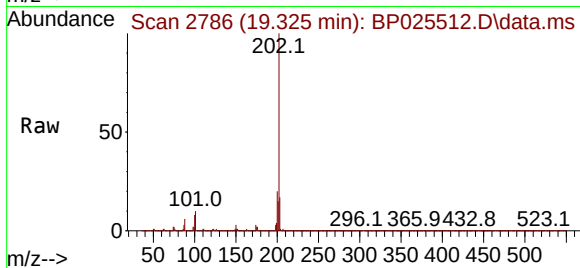




#75
Fluoranthene
Concen: 38.675 ng
RT: 19.325 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

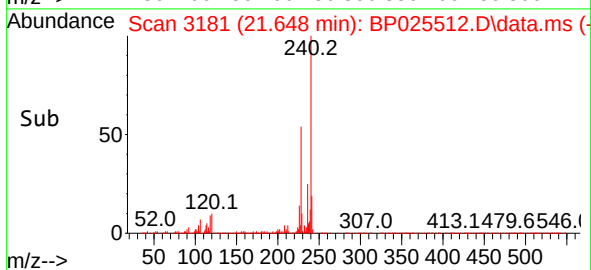
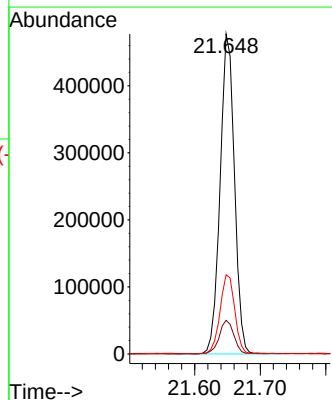
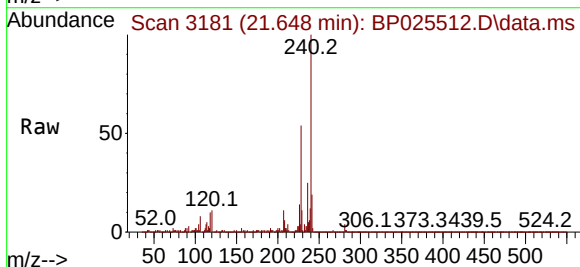
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

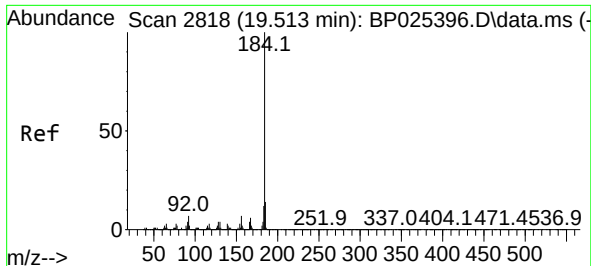
Tgt Ion:202 Resp: 1698750
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:240 Resp: 721835
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 24.8 19.8 29.8

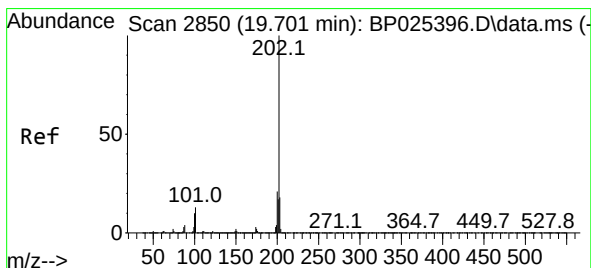
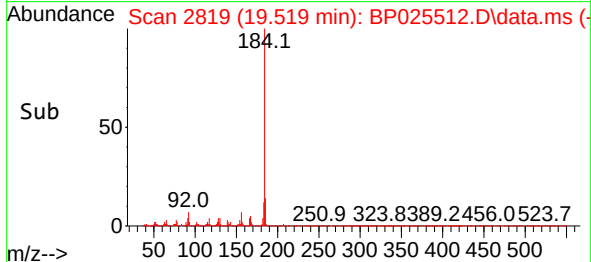
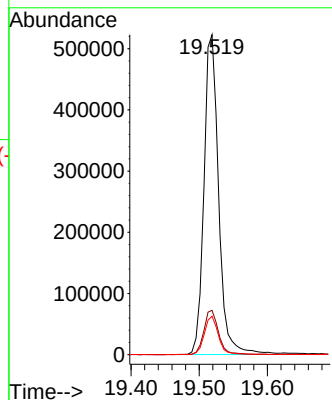
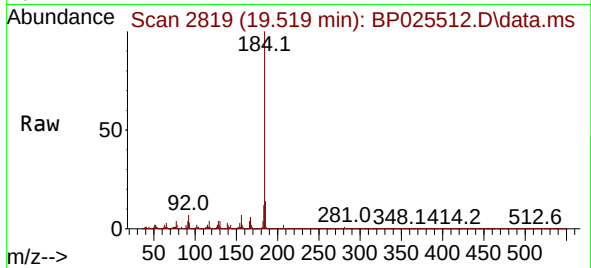




#77
Benzidine
Concen: 31.831 ng
RT: 19.519 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

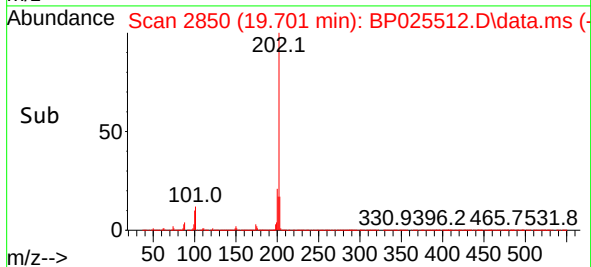
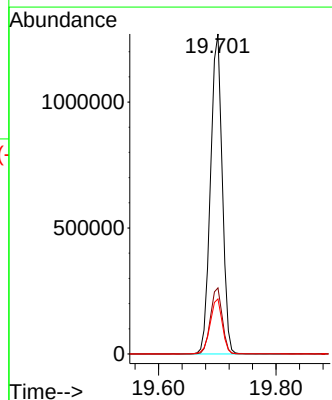
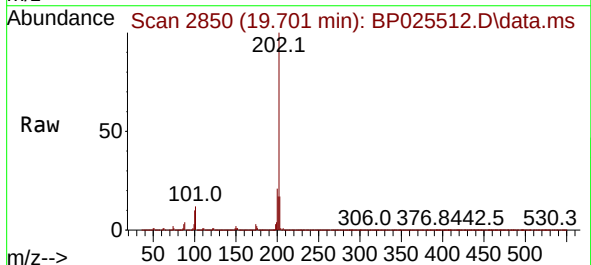
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

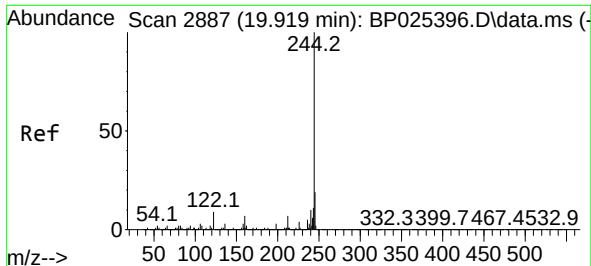
Tgt Ion:184 Resp: 784158
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 12.0 9.4 14.2



#78
Pyrene
Concen: 37.531 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:202 Resp: 1760829
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 17.2 14.2 21.2

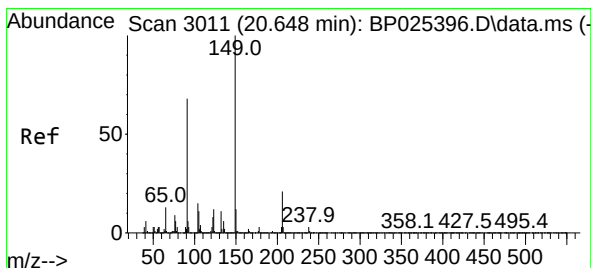
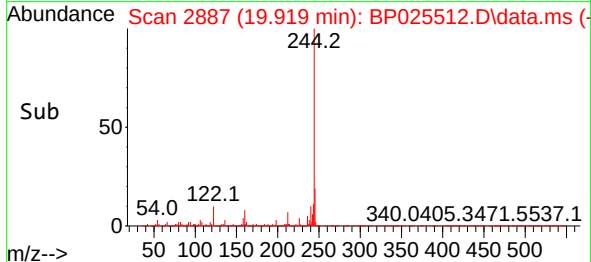
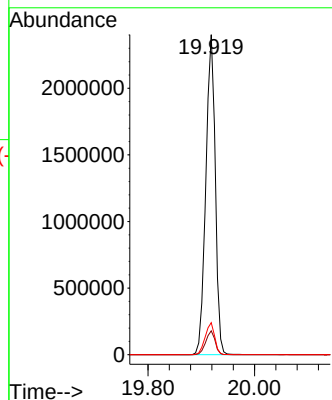
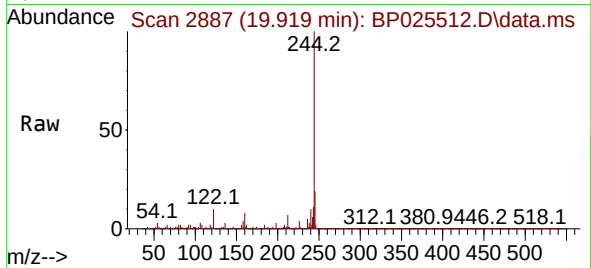




#79
 Terphenyl-d14
 Concen: 74.739 ng
 RT: 19.919 min Scan# 2887
 Delta R.T. 0.000 min
 Lab File: BP025512.D
 Acq: 20 Aug 2025 18:27

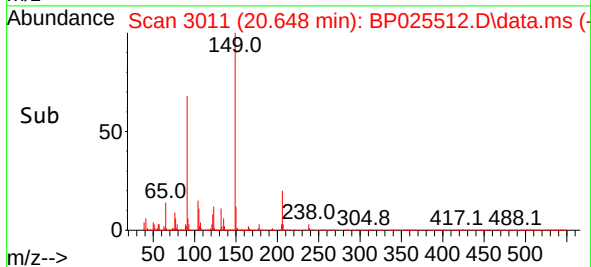
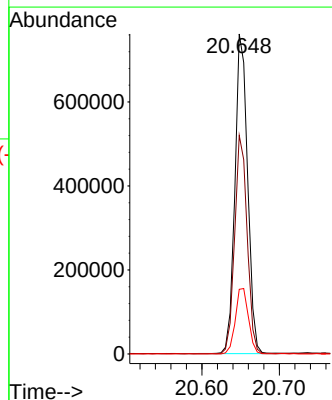
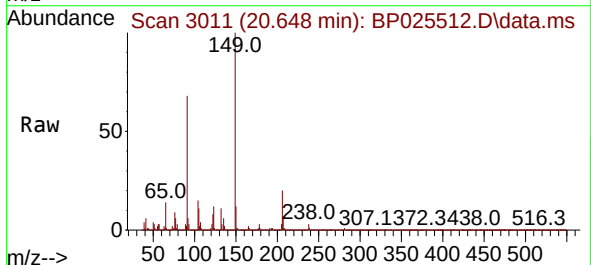
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

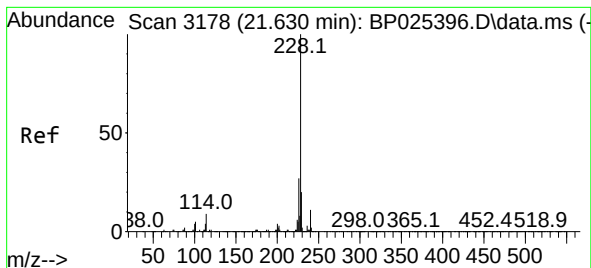
Tgt Ion:244 Resp: 2948745
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 10.0 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 40.760 ng
 RT: 20.648 min Scan# 3011
 Delta R.T. 0.000 min
 Lab File: BP025512.D
 Acq: 20 Aug 2025 18:27

Tgt Ion:149 Resp: 866705
 Ion Ratio Lower Upper
 149 100
 91 68.3 54.2 81.2
 206 20.2 16.6 24.8





#81

Benzo(a)anthracene

Concen: 38.784 ng

RT: 21.630 min Scan# 3178

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

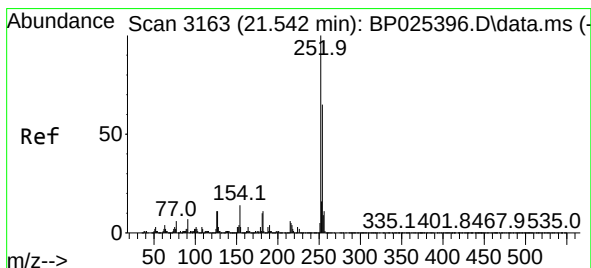
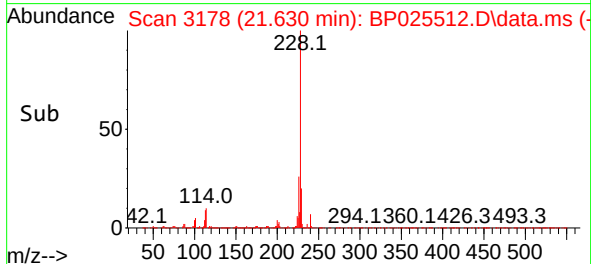
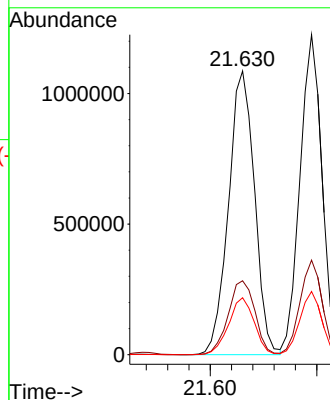
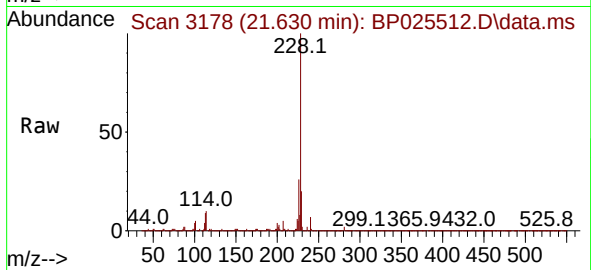
Tgt Ion:228 Resp: 1846325

Ion Ratio Lower Upper

228 100

226 26.1 21.7 32.5

229 20.1 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 40.475 ng

RT: 21.536 min Scan# 3162

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

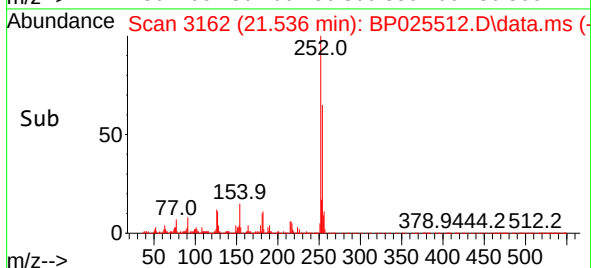
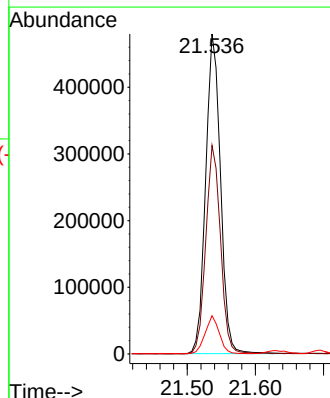
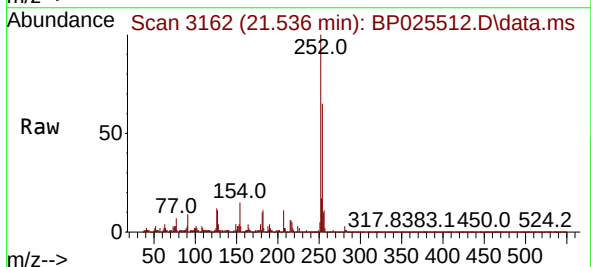
Tgt Ion:252 Resp: 726259

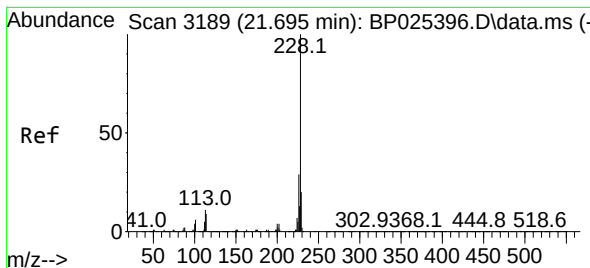
Ion Ratio Lower Upper

252 100

254 65.2 51.8 77.6

126 11.9 9.1 13.7





#83

Chrysene

Concen: 39.282 ng

RT: 21.695 min Scan# 3189

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

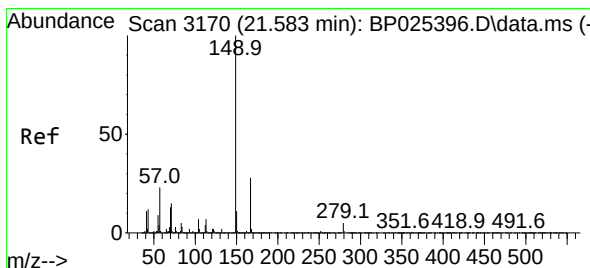
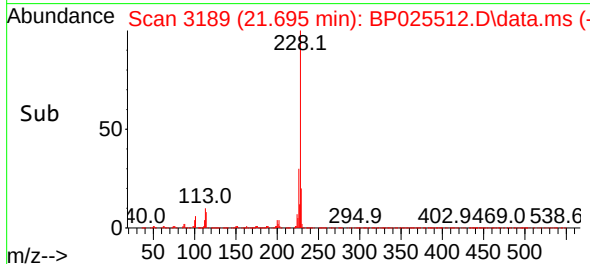
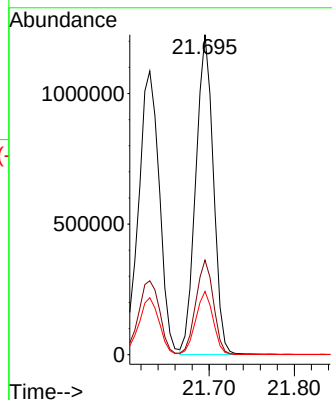
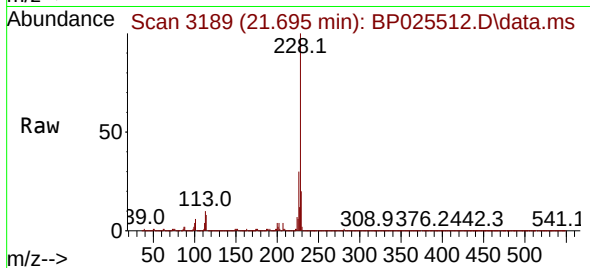
Tgt Ion:228 Resp: 1751270

Ion Ratio Lower Upper

228 100

226 29.6 23.2 34.8

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.288 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.023 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

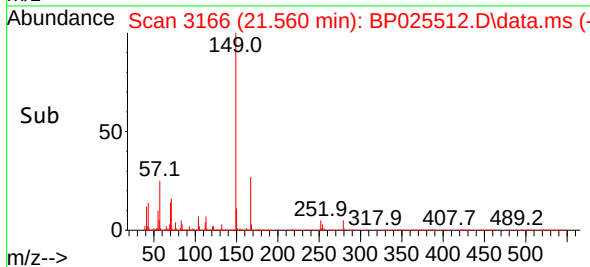
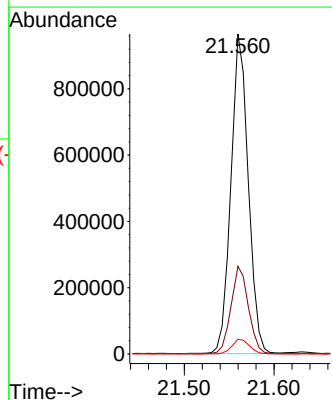
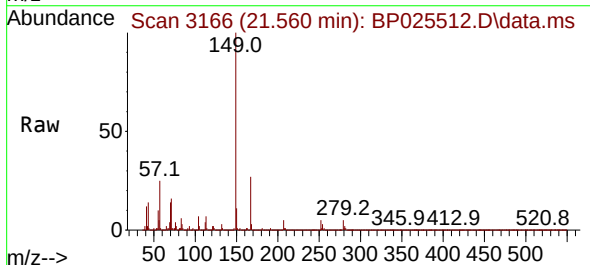
Tgt Ion:149 Resp: 1292335

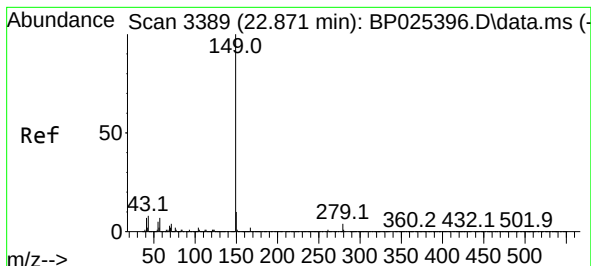
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

279 4.6 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 44.204 ng

RT: 22.854 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

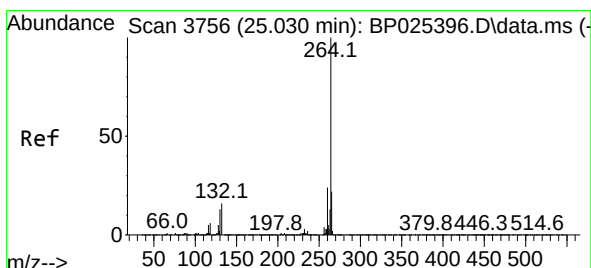
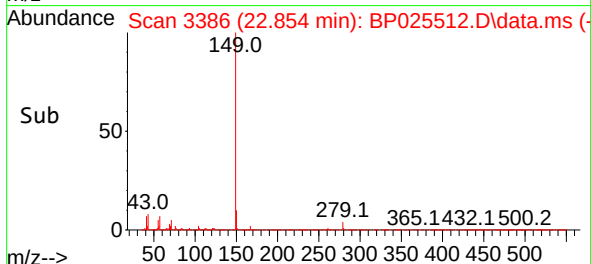
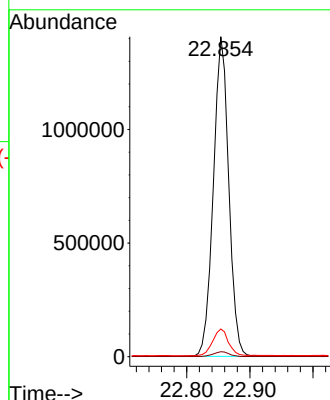
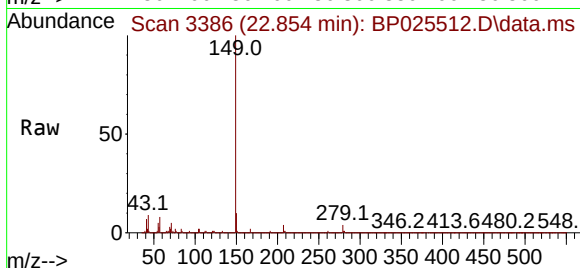
Tgt Ion:149 Resp: 2379874

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.6 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.030 min Scan# 3756

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

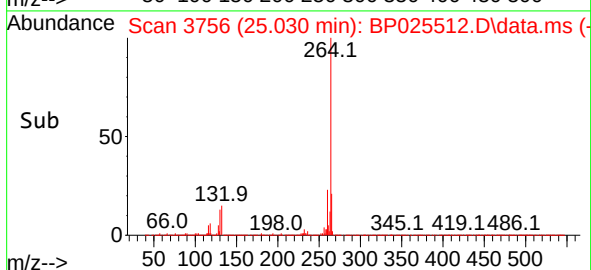
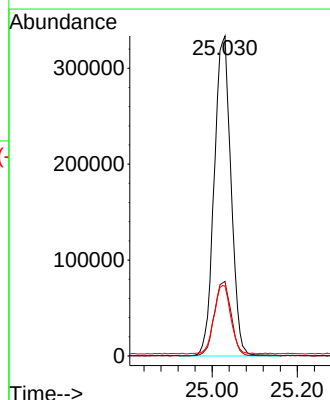
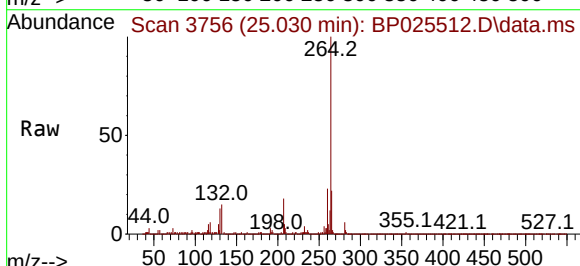
Tgt Ion:264 Resp: 911460

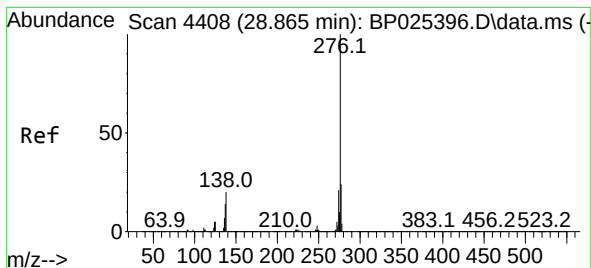
Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.465 ng

RT: 28.877 min Scan# 4408

Delta R.T. 0.012 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

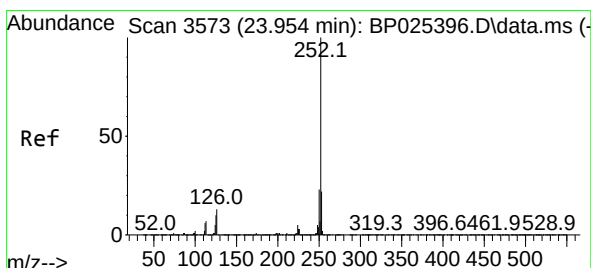
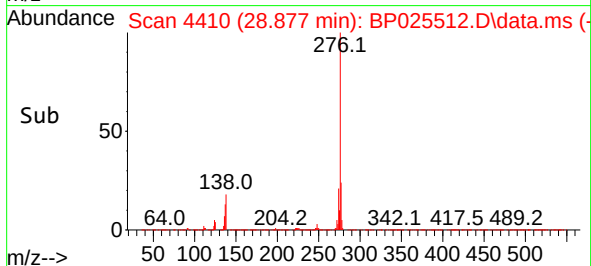
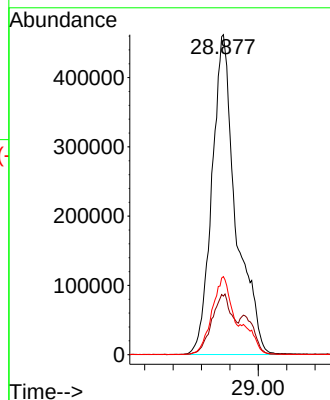
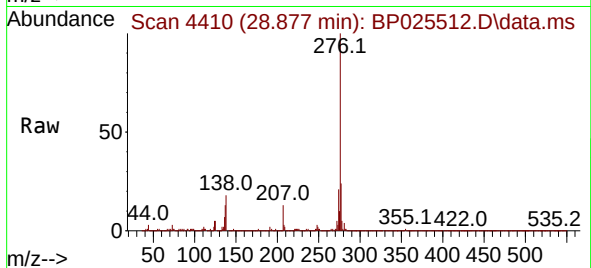
Tgt Ion:276 Resp: 2704805

Ion Ratio Lower Upper

276 100

138 16.7 12.9 19.3

277 20.2 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 38.021 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

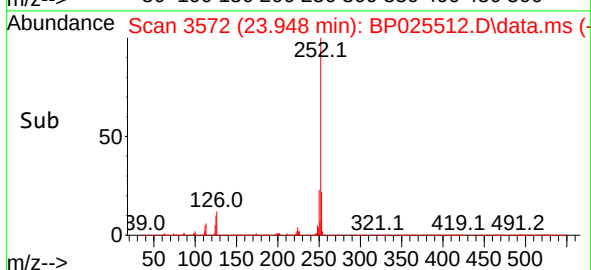
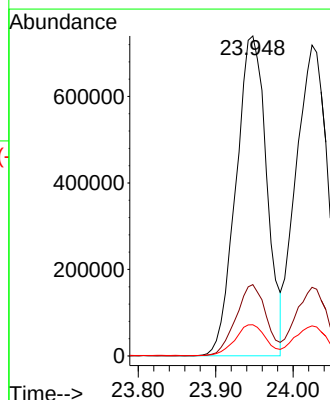
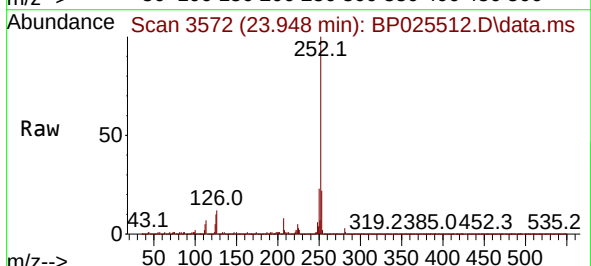
Tgt Ion:252 Resp: 2043506

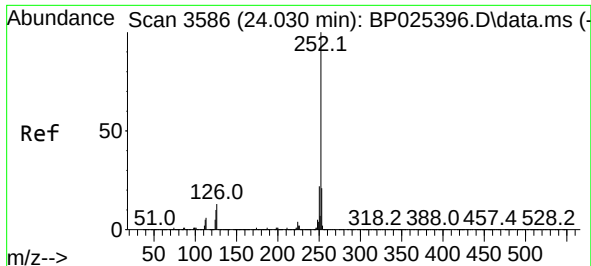
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 9.8 7.9 11.9

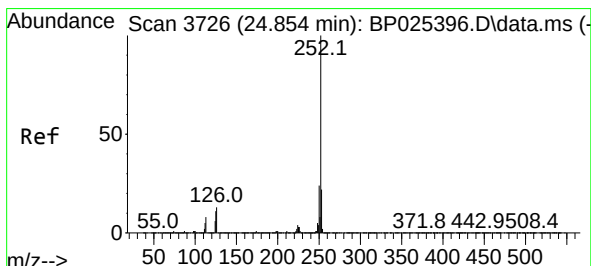
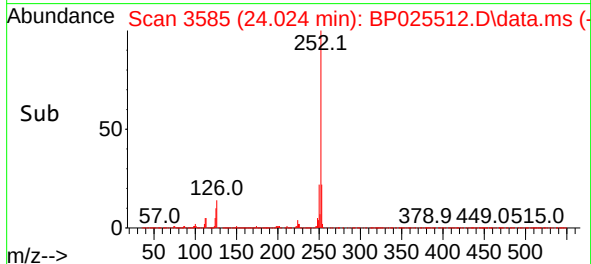
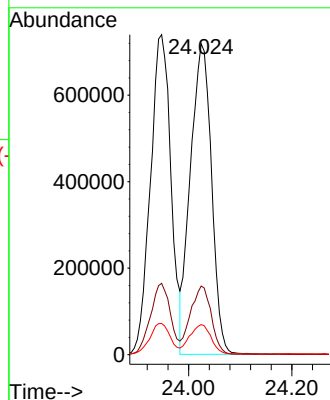
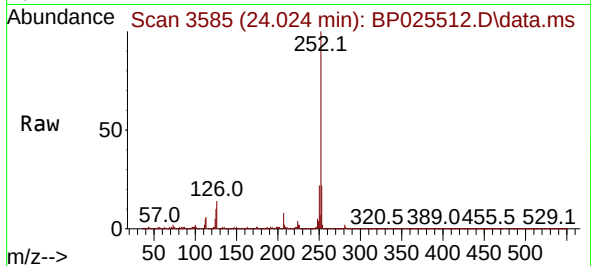




#89
Benzo(k)fluoranthene
Concen: 37.913 ng
RT: 24.024 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

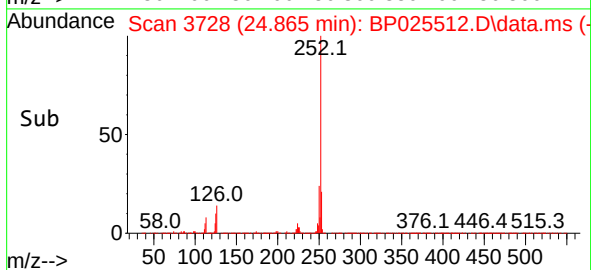
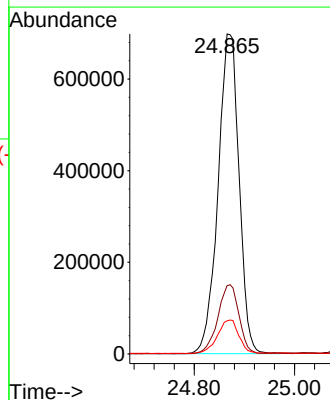
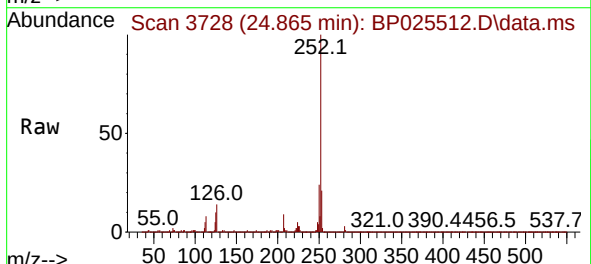
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

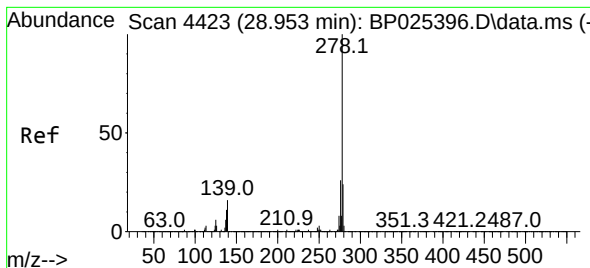
Tgt Ion:252 Resp: 2039061
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 9.7 7.8 11.6



#90
Benzo(a)pyrene
Concen: 38.861 ng
RT: 24.865 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:252 Resp: 2033101
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 10.3 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 40.707 ng

RT: 28.953 min Scan# 4423

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

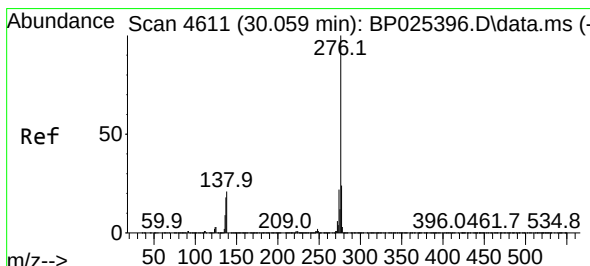
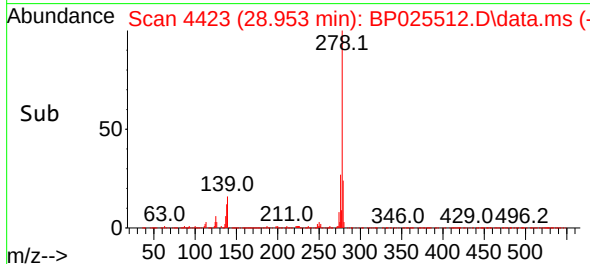
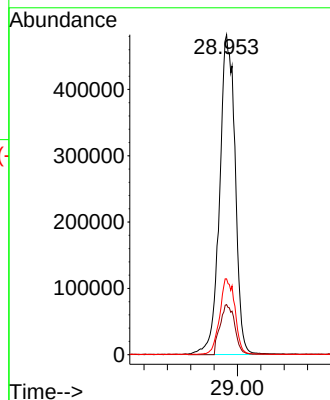
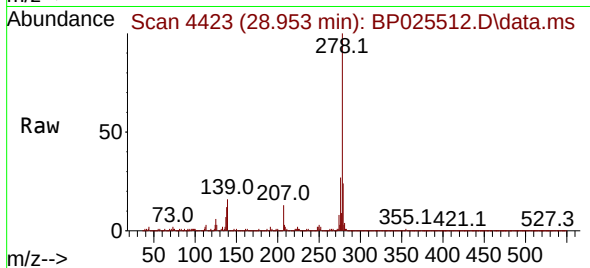
Tgt Ion:278 Resp: 2223603

Ion Ratio Lower Upper

278 100

139 15.7 13.0 19.4

279 23.7 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 41.164 ng

RT: 30.065 min Scan# 4612

Delta R.T. 0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

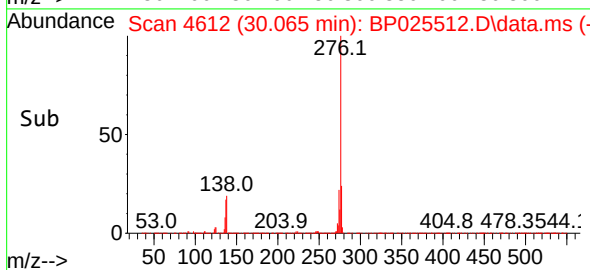
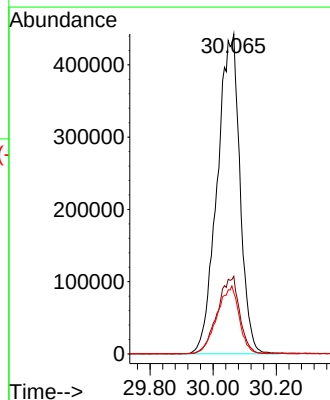
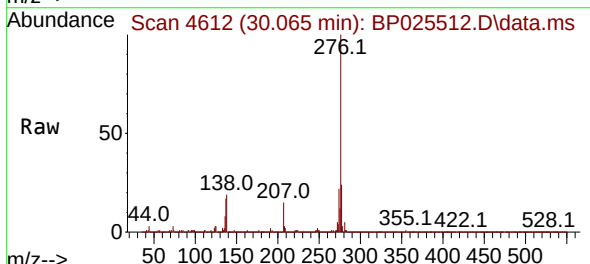
Tgt Ion:276 Resp: 2210310

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 19.1 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025512.D
 Acq On : 20 Aug 2025 18:27
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
2	1,4-Dioxane	0.472	0.489	-3.6	116	0.00
3	Pyridine	1.291	1.243	3.7	107	0.00
4	n-Nitrosodimethylamine	0.532	0.570	-7.1	118	0.00
5 S	2-Fluorophenol	1.204	1.232	-2.3	112	0.00
6	Aniline	2.080	1.965	5.5	102	0.00
7 S	Phenol-d6	1.544	1.491	3.4	104	0.00
8	2-Chlorophenol	1.359	1.324	2.6	106	0.00
9	Benzaldehyde	1.082	1.279	-18.2	99	0.00
10 C	Phenol	1.620	1.535	5.2	103	0.00
11	bis(2-Chloroethyl)ether	1.263	1.201	4.9	104	0.00
12	1,3-Dichlorobenzene	1.499	1.502	-0.2	110	0.00
13 C	1,4-Dichlorobenzene	1.532	1.518	0.9	109	-0.01
14	1,2-Dichlorobenzene	1.483	1.439	3.0	106	0.00
15	Benzyl Alcohol	1.227	1.132	7.7	100	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.647	2.7	107	0.00
17	2-Methylphenol	1.125	1.059	5.9	101	0.00
18	Hexachloroethane	0.563	0.578	-2.7	112	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	0.895	12.5	95	-0.01
20	3+4-Methylphenols	1.560	1.396	10.5	96	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22	Acetophenone	0.502	0.508	-1.2	98	0.00
23 S	Nitrobenzene-d5	0.395	0.409	-3.5	100	-0.01
24	Nitrobenzene	0.353	0.367	-4.0	99	0.00
25	Isophorone	0.700	0.664	5.1	92	0.00
26 C	2-Nitrophenol	0.181	0.188	-3.9	97	0.00
27	2,4-Dimethylphenol	0.312	0.308	1.3	93	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.413	2.4	95	0.00
29 C	2,4-Dichlorophenol	0.310	0.310	0.0	95	0.00
30	1,2,4-Trichlorobenzene	0.340	0.346	-1.8	99	0.00
31	Naphthalene	1.040	1.033	0.7	96	0.00
32	Benzoic acid	0.230	0.211	8.3	87	0.00
33	4-Chloroaniline	0.459	0.429	6.5	89	0.00
34 C	Hexachlorobutadiene	0.211	0.225	-6.6	103	0.00
35	Caprolactam	0.114	0.092	19.3	79	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.324	8.7	87	0.00
37	2-Methylnaphthalene	0.676	0.633	6.4	91	0.00
38	1-Methylnaphthalene	0.719	0.664	7.6	90	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	81	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.578	0.626	-8.3	90	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.359	-2.9	83	0.00
42 S	2,4,6-Tribromophenol	0.269	0.257	4.5	79	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.414	-6.2	87	0.00
44	2,4,5-Trichlorophenol	0.427	0.446	-4.4	85	0.00
45 S	2-Fluorobiphenyl	1.463	1.526	-4.3	88	0.00
46	1,1'-Biphenyl	1.453	1.507	-3.7	86	0.00
47	2-Chloronaphthalene	1.131	1.165	-3.0	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025512.D
 Acq On : 20 Aug 2025 18:27
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.343	-4.3	84	0.00
49	Acenaphthylene	1.871	1.871	0.0	83	0.00
50	Dimethylphthalate	1.465	1.399	4.5	80	-0.01
51	2,6-Dinitrotoluene	0.309	0.313	-1.3	82	0.00
52 C	Acenaphthene	1.098	1.086	1.1	84	0.00
53	3-Nitroaniline	0.347	0.329	5.2	78	-0.01
54 P	2,4-Dinitrophenol	0.165	0.172	-4.2	85	0.00
55	Dibenzofuran	1.736	1.703	1.9	82	0.00
56 P	4-Nitrophenol	0.285	0.266	6.7	77	0.00
57	2,4-Dinitrotoluene	0.440	0.429	2.5	79	0.00
58	Fluorene	1.370	1.306	4.7	81	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.372	1.3	81	0.00
60	Diethylphthalate	1.488	1.402	5.8	79	0.00
61	4-Chlorophenyl-phenylether	0.681	0.651	4.4	80	0.00
62	4-Nitroaniline	0.356	0.332	6.7	76	0.00
63	Azobenzene	1.274	1.253	1.6	82	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	76	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.127	-1.6	79	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.609	0.2	78	-0.01
67	4-Bromophenyl-phenylether	0.220	0.224	-1.8	80	0.00
68	Hexachlorobenzene	0.255	0.256	-0.4	80	0.00
69	Atrazine	0.228	0.221	3.1	77	0.00
70 C	Pentachlorophenol	0.161	0.167	-3.7	80	0.00
71	Phenanthrene	1.099	1.085	1.3	79	0.00
72	Anthracene	1.122	1.084	3.4	76	0.00
73	Carbazole	1.057	1.022	3.3	77	0.00
74	Di-n-butylphthalate	1.300	1.314	-1.1	80	0.00
75 C	Fluoranthene	1.311	1.267	3.4	78	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	80	0.00
77	Benzydine	0.683	0.543	20.5	45#	0.00
78	Pyrene	1.300	1.220	6.2	77	0.00
79 S	Terphenyl-d14	1.093	1.021	6.6	78	0.00
80	Butylbenzylphthalate	0.589	0.600	-1.9	83	0.00
81	Benzo(a)anthracene	1.319	1.279	3.0	81	0.00
82	3,3'-Dichlorobenzidine	0.497	0.503	-1.2	83	0.00
83	Chrysene	1.235	1.213	1.8	82	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.895	-3.2	87	-0.02
85 c	Di-n-octyl phthalate	1.492	1.648	-10.5	92	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	1.467	1.484	-1.2	94	0.01
88	Benzo(b)fluoranthene	1.179	1.121	4.9	88	0.00
89	Benzo(k)fluoranthene	1.180	1.119	5.2	88	0.00
90 C	Benzo(a)pyrene	1.148	1.115	2.9	90	0.01
91	Dibenzo(a,h)anthracene	1.199	1.220	-1.8	94	0.00
92	Benzo(g,h,i)perylene	1.178	1.213	-3.0	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	105	0.00
2	1,4-Dioxane	40.000	41.454	-3.6	116	0.00
3	Pyridine	40.000	38.497	3.8	107	0.00
4	n-Nitrosodimethylamine	40.000	42.863	-7.2	118	0.00
5 S	2-Fluorophenol	80.000	81.851	-2.3	112	0.00
6	Aniline	40.000	37.776	5.6	102	0.00
7 S	Phenol-d6	80.000	77.239	3.5	104	0.00
8	2-Chlorophenol	40.000	38.971	2.6	106	0.00
9	Benzaldehyde	40.000	47.306	-18.3	99	0.00
10 C	Phenol	40.000	37.903	5.2	103	0.00
11	bis(2-Chloroethyl)ether	40.000	38.056	4.9	104	0.00
12	1,3-Dichlorobenzene	40.000	40.104	-0.3	110	0.00
13 C	1,4-Dichlorobenzene	40.000	39.630	0.9	109	-0.01
14	1,2-Dichlorobenzene	40.000	38.825	2.9	106	0.00
15	Benzyl Alcohol	40.000	36.921	7.7	100	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.945	2.6	107	0.00
17	2-Methylphenol	40.000	37.654	5.9	101	0.00
18	Hexachloroethane	40.000	41.047	-2.6	112	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	35.024	12.4	95	-0.01
20	3+4-Methylphenols	40.000	35.797	10.5	96	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	93	0.00
22	Acetophenone	40.000	40.553	-1.4	98	0.00
23 S	Nitrobenzene-d5	80.000	82.828	-3.5	100	-0.01
24	Nitrobenzene	40.000	41.561	-3.9	99	0.00
25	Isophorone	40.000	37.972	5.1	92	0.00
26 C	2-Nitrophenol	40.000	41.515	-3.8	97	0.00
27	2,4-Dimethylphenol	40.000	39.508	1.2	93	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.085	2.3	95	0.00
29 C	2,4-Dichlorophenol	40.000	40.068	-0.2	95	0.00
30	1,2,4-Trichlorobenzene	40.000	40.786	-2.0	99	0.00
31	Naphthalene	40.000	39.747	0.6	96	0.00
32	Benzoic acid	40.000	36.722	8.2	87	0.00
33	4-Chloroaniline	40.000	37.353	6.6	89	0.00
34 C	Hexachlorobutadiene	40.000	42.538	-6.3	103	0.00
35	Caprolactam	40.000	32.534	18.7	79	0.00
36 C	4-Chloro-3-methylphenol	40.000	36.511	8.7	87	0.00
37	2-Methylnaphthalene	40.000	37.407	6.5	91	0.00
38	1-Methylnaphthalene	40.000	36.937	7.7	90	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	81	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	43.350	-8.4	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	41.195	-3.0	83	0.00
42 S	2,4,6-Tribromophenol	80.000	76.447	4.4	79	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.446	-6.1	87	0.00
44	2,4,5-Trichlorophenol	40.000	41.744	-4.4	85	0.00
45 S	2-Fluorobiphenyl	80.000	83.434	-4.3	88	0.00
46	1,1'-Biphenyl	40.000	41.508	-3.8	86	0.00
47	2-Chloronaphthalene	40.000	41.219	-3.0	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.628	-4.1	84	0.00
49	Acenaphthylene	40.000	40.001	-0.0	83	0.00
50	Dimethylphthalate	40.000	38.219	4.5	80	-0.01
51	2,6-Dinitrotoluene	40.000	40.576	-1.4	82	0.00
52 C	Acenaphthene	40.000	39.546	1.1	84	0.00
53	3-Nitroaniline	40.000	37.912	5.2	78	-0.01
54 P	2,4-Dinitrophenol	40.000	41.686	-4.2	85	0.00
55	Dibenzofuran	40.000	39.221	1.9	82	0.00
56 P	4-Nitrophenol	40.000	37.212	7.0	77	0.00
57	2,4-Dinitrotoluene	40.000	39.004	2.5	79	0.00
58	Fluorene	40.000	38.132	4.7	81	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.405	1.5	81	0.00
60	Diethylphthalate	40.000	37.688	5.8	79	0.00
61	4-Chlorophenyl-phenylether	40.000	38.204	4.5	80	0.00
62	4-Nitroaniline	40.000	37.321	6.7	76	0.00
63	Azobenzene	40.000	39.346	1.6	82	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	76	0.00
65	4,6-Dinitro-2-methylphenol	40.000	40.860	-2.1	79	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.942	0.1	78	-0.01
67	4-Bromophenyl-phenylether	40.000	40.668	-1.7	80	0.00
68	Hexachlorobenzene	40.000	40.230	-0.6	80	0.00
69	Atrazine	40.000	38.670	3.3	77	0.00
70 C	Pentachlorophenol	40.000	41.514	-3.8	80	0.00
71	Phenanthrene	40.000	39.517	1.2	79	0.00
72	Anthracene	40.000	38.632	3.4	76	0.00
73	Carbazole	40.000	38.700	3.2	77	0.00
74	Di-n-butylphthalate	40.000	40.436	-1.1	80	0.00
75 C	Fluoranthene	40.000	38.675	3.3	78	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	80	0.00
77	Benzydine	40.000	31.831	20.4	45	0.00
78	Pyrene	40.000	37.531	6.2	77	0.00
79 S	Terphenyl-d14	80.000	74.739	6.6	78	0.00
80	Butylbenzylphthalate	40.000	40.760	-1.9	83	0.00
81	Benzo(a)anthracene	40.000	38.784	3.0	81	0.00
82	3,3'-Dichlorobenzidine	40.000	40.475	-1.2	83	0.00
83	Chrysene	40.000	39.282	1.8	82	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.288	-3.2	87	-0.02
85 c	Di-n-octyl phthalate	40.000	44.204	-10.5	92	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.465	-1.2	94	0.01
88	Benzo(b)fluoranthene	40.000	38.021	4.9	88	0.00
89	Benzo(k)fluoranthene	40.000	37.913	5.2	88	0.00
90 C	Benzo(a)pyrene	40.000	38.861	2.8	90	0.01
91	Dibenzo(a,h)anthracene	40.000	40.707	-1.8	94	0.00
92	Benzo(g,h,i)perylene	40.000	41.164	-2.9	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/21/2025 03:59</u>
Lab File ID:	<u>BP025526.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.216		1.0	50.0
Benzaldehyde	1.082	1.290		19.2	50.0
Phenol-d6	1.544	1.547		0.2	50.0
Phenol	1.620	1.613		-0.4	50.0
bis(2-Chloroethyl)ether	1.263	1.261		-0.2	50.0
2-Chlorophenol	1.359	1.350		-0.7	50.0
2-Methylphenol	1.125	1.122		-0.3	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.733		2.4	50.0
Acetophenone	0.502	0.499		-0.6	50.0
3+4-Methylphenols	1.560	1.505		-3.5	50.0
n-Nitroso-di-n-propylamine	1.023	0.976	0.050	-4.6	50.0
Nitrobenzene-d5	0.395	0.409		3.5	50.0
Hexachloroethane	0.563	0.559		-0.7	50.0
Nitrobenzene	0.353	0.366		3.7	50.0
Isophorone	0.700	0.680		-2.9	50.0
2-Nitrophenol	0.181	0.186		2.8	50.0
2,4-Dimethylphenol	0.312	0.314		0.6	50.0
bis(2-Chloroethoxy)methane	0.423	0.410		-3.1	50.0
2,4-Dichlorophenol	0.310	0.310		0.0	50.0
Naphthalene	1.040	1.009		-3.0	50.0
4-Chloroaniline	0.459	0.448		-2.4	50.0
Hexachlorobutadiene	0.211	0.207		-1.9	50.0
Caprolactam	0.114	0.101		-11.4	50.0
4-Chloro-3-methylphenol	0.355	0.344		-3.1	50.0
2-Methylnaphthalene	0.676	0.643		-4.9	50.0
Hexachlorocyclopentadiene	0.349	0.363	0.050	4.0	50.0
2,4,6-Trichlorophenol	0.390	0.402		3.1	50.0
2-Fluorobiphenyl	1.463	1.441		-1.5	50.0
2,4,5-Trichlorophenol	0.427	0.434		1.6	50.0
1,1-Biphenyl	1.453	1.452		-0.1	50.0
2-Chloronaphthalene	1.131	1.136		0.4	50.0
2-Nitroaniline	0.329	0.351		6.7	50.0
Dimethylphthalate	1.465	1.392		-5.0	50.0
Acenaphthylene	1.871	1.854		-0.9	50.0
2,6-Dinitrotoluene	0.309	0.311		0.6	50.0
3-Nitroaniline	0.347	0.338		-2.6	50.0
Acenaphthene	1.098	1.059		-3.6	50.0
2,4-Dinitrophenol	0.165	0.168	0.050	1.8	50.0
4-Nitrophenol	0.285	0.269	0.050	-5.6	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/21/2025 03:59</u>
Lab File ID:	<u>BP025526.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.660		-4.4	50.0
2,4-Dinitrotoluene	0.440	0.426		-3.2	50.0
Diethylphthalate	1.488	1.379		-7.3	50.0
4-Chlorophenyl-phenylether	0.681	0.626		-8.1	50.0
Fluorene	1.370	1.266		-7.6	50.0
4-Nitroaniline	0.356	0.320		-10.1	50.0
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	50.0
n-Nitrosodiphenylamine	0.610	0.638		4.6	50.0
2,4,6-Tribromophenol	0.269	0.252		-6.3	50.0
4-Bromophenyl-phenylether	0.220	0.224		1.8	50.0
Hexachlorobenzene	0.255	0.254		-0.4	50.0
Atrazine	0.228	0.224		-1.8	50.0
Pentachlorophenol	0.161	0.166		3.1	50.0
Phenanthrene	1.099	1.065		-3.1	50.0
Anthracene	1.122	1.109		-1.2	50.0
Carbazole	1.057	1.017		-3.8	50.0
Di-n-butylphthalate	1.300	1.219		-6.2	50.0
Fluoranthene	1.311	1.183		-9.8	50.0
Pyrene	1.300	1.284		-1.2	50.0
Terphenyl-d14	1.093	1.064		-2.7	50.0
Butylbenzylphthalate	0.589	0.569		-3.4	50.0
3,3-Dichlorobenzidine	0.497	0.479		-3.6	50.0
Benzo (a) anthracene	1.319	1.296		-1.7	50.0
Chrysene	1.235	1.210		-2.0	50.0
Bis (2-ethylhexyl) phthalate	0.867	0.831		-4.2	50.0
Di-n-octyl phthalate	1.492	1.498		0.4	50.0
Benzo (b) fluoranthene	1.179	1.117		-5.3	50.0
Benzo (k) fluoranthene	1.180	1.109		-6.0	50.0
Benzo (a) pyrene	1.148	1.115		-2.9	50.0
Indeno (1,2,3-cd) pyrene	1.467	1.483		1.1	50.0
Dibenzo (a,h) anthracene	1.199	1.211		1.0	50.0
Benzo (g,h,i) perylene	1.178	1.200		1.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.581		0.5	50.0
1,4-Dioxane	0.472	0.469		-0.6	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.370		-1.9	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025526.D
 Acq On : 21 Aug 2025 03:59
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 21 05:11:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	191900	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	778080	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	480142	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	869173	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	823541	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1048104	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	933086	80.749	ng	0.00
7) Phenol-d6	6.966	99	1187456	80.152	ng	0.00
23) Nitrobenzene-d5	8.931	82	1273041	82.765	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	484295	74.936	ng	-0.02
45) 2-Fluorobiphenyl	13.007	172	2768196	78.794	ng	-0.01
79) Terphenyl-d14	19.913	244	3505178	77.871	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	179822	39.729	ng	97
3) Pyridine	3.725	79	482600	38.955	ng	93
4) n-Nitrosodimethylamine	3.631	42	224519	43.959	ng	91
6) Aniline	7.119	93	791031	39.629	ng	99
8) 2-Chlorophenol	7.360	128	518280	39.746	ng	98
9) Benzaldehyde	6.937	77	495216	47.711	ng	98
10) Phenol	6.996	94	619143	39.828	ng	96
11) bis(2-Chloroethyl)ether	7.213	93	483955	39.942	ng	97
12) 1,3-Dichlorobenzene	7.678	146	570118	39.651	ng	97
13) 1,4-Dichlorobenzene	7.819	146	575622	39.168	ng	99
14) 1,2-Dichlorobenzene	8.137	146	549967	38.659	ng	98
15) Benzyl Alcohol	8.019	79	470863	40.000	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	665088	40.975	ng	99
17) 2-Methylphenol	8.225	107	430585	39.881	ng	98
18) Hexachloroethane	8.860	117	214677	39.729	ng	95
19) n-Nitroso-di-n-propyla...	8.584	70	374725	38.186	ng	97
20) 3+4-Methylphenols	8.548	107	577590	38.594	ng	96
22) Acetophenone	8.596	105	777206	39.831	ng	# 96
24) Nitrobenzene	8.972	77	569192	41.406	ng	99
25) Isophorone	9.495	82	1057559	38.851	ng	100
26) 2-Nitrophenol	9.672	139	289854	41.086	ng	98
27) 2,4-Dimethylphenol	9.737	122	488029	40.225	ng	98
28) bis(2-Chloroethoxy)met...	9.960	93	638647	38.812	ng	99
29) 2,4-Dichlorophenol	10.207	162	482743	40.055	ng	98
30) 1,2,4-Trichlorobenzene	10.419	180	516908	39.125	ng	97
31) Naphthalene	10.601	128	1570246	38.828	ng	99
32) Benzoic acid	9.884	122	358720	40.049	ng	97
33) 4-Chloroaniline	10.707	127	696525	38.991	ng	98
34) Hexachlorobutadiene	10.890	225	321424	39.065	ng	98
35) Caprolactam	11.495	113	156812	35.484	ng	99
36) 4-Chloro-3-methylphenol	11.831	107	534863	38.676	ng	97
37) 2-Methylnaphthalene	12.207	142	999947	37.995	ng	99
38) 1-Methylnaphthalene	12.425	142	1043941	37.300	ng	99
40) 1,2,4,5-Tetrachloroben...	12.578	216	558004	40.240	ng	99
41) Hexachlorocyclopentadiene	12.560	237	349022	41.668	ng	98
43) 2,4,6-Trichlorophenol	12.819	196	385756	41.205	ng	97

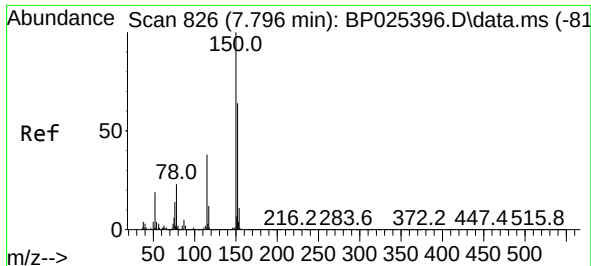
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025526.D
 Acq On : 21 Aug 2025 03:59
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 21 05:11:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	416547	40.598	ng	99
46) 1,1'-Biphenyl	13.219	154	1394649	39.995	ng	98
47) 2-Chloronaphthalene	13.260	162	1090908	40.186	ng	99
48) 2-Nitroaniline	13.466	65	337247	42.636	ng	96
49) Acenaphthylene	14.113	152	1780779	39.644	ng	100
50) Dimethylphthalate	13.848	163	1336804	38.020	ng	99
51) 2,6-Dinitrotoluene	13.960	165	298291	40.251	ng	98
52) Acenaphthene	14.460	154	1016517	38.553	ng	98
53) 3-Nitroaniline	14.289	138	324980	38.977	ng	95
54) 2,4-Dinitrophenol	14.507	184	160853	40.644	ng	97
55) Dibenzofuran	14.801	168	1593872	38.235	ng	98
56) 4-Nitrophenol	14.613	139	257855	37.635	ng	95
57) 2,4-Dinitrotoluene	14.760	165	409171	38.698	ng	97
58) Fluorene	15.460	166	1216177	36.973	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.030	232	355491	39.239	ng	99
60) Diethylphthalate	15.225	149	1323887	37.056	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	600871	36.730	ng	97
62) 4-Nitroaniline	15.472	138	307105	35.928	ng	95
63) Azobenzene	15.748	77	1216437	39.764	ng	98
65) 4,6-Dinitro-2-methylph...	15.530	198	227645	42.016	ng	92
66) n-Nitrosodiphenylamine	15.666	169	1109160	41.848	ng	100
67) 4-Bromophenyl-phenylether	16.366	248	388602	40.652	ng	99
68) Hexachlorobenzene	16.483	284	442271	39.912	ng	97
69) Atrazine	16.642	200	388998	39.190	ng	98
70) Pentachlorophenol	16.836	266	288486	41.242	ng	96
71) Phenanthrene	17.230	178	1852149	38.791	ng	100
72) Anthracene	17.324	178	1927125	39.524	ng	99
73) Carbazole	17.601	167	1767299	38.481	ng	100
74) Di-n-butylphthalate	18.201	149	2118222	37.487	ng	100
75) Fluoranthene	19.319	202	2056945	36.116	ng	98
77) Benzidine	19.507	184	955775	34.006	ng	99
78) Pyrene	19.695	202	2114083	39.495	ng	100
80) Butylbenzylphthalate	20.648	149	936663	38.610	ng	100
81) Benzo(a)anthracene	21.612	228	2134261	39.296	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	789715	38.576	ng	100
83) Chrysene	21.677	228	1992794	39.179	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1368948	38.334	ng	100
85) Di-n-octyl phthalate	22.842	149	2466831	40.160	ng	98
87) Indeno(1,2,3-cd)pyrene	28.847	276	3108816	40.446	ng	98
88) Benzo(b)fluoranthene	23.948	252	2342446	37.901	ng	100
89) Benzo(k)fluoranthene	24.024	252	2325553	37.602	ng	99
90) Benzo(a)pyrene	24.854	252	2336844	38.843	ng	98
91) Dibenzo(a,h)anthracene	28.936	278	2537691	40.400	ng	100
92) Benzo(g,h,i)perylene	30.012	276	2515443	40.739	ng	100

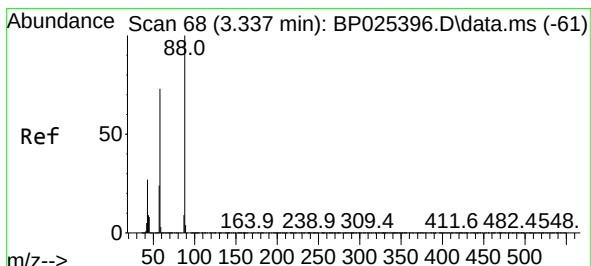
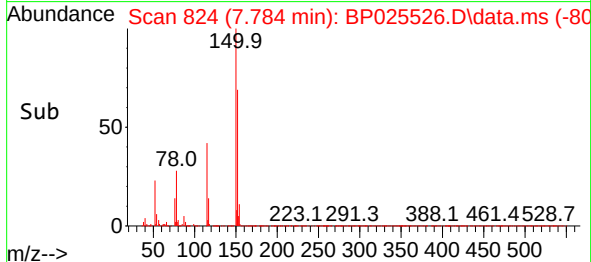
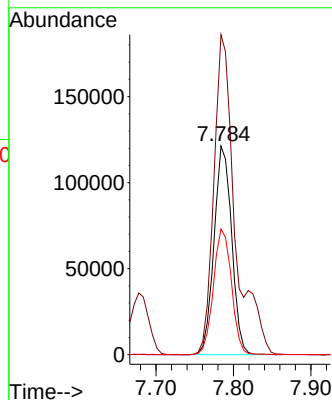
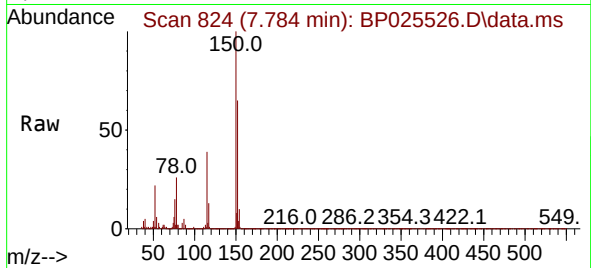
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

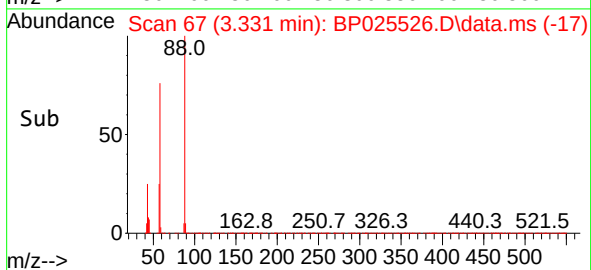
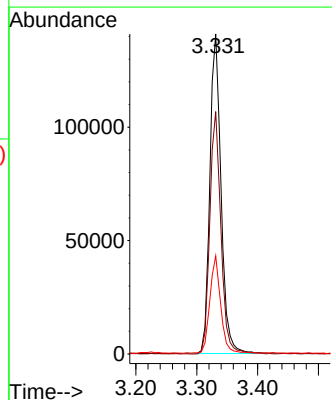
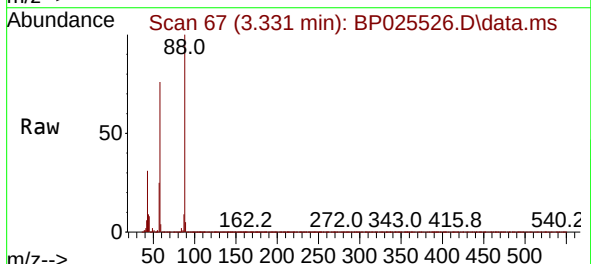
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

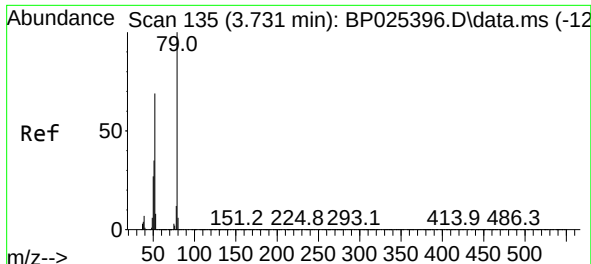
Tgt Ion:152 Resp: 191900
Ion Ratio Lower Upper
152 100
150 153.4 125.9 188.9
115 60.2 48.5 72.7



#2
1,4-Dioxane
Concen: 39.729 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 88 Resp: 179822
Ion Ratio Lower Upper
88 100
58 75.5 59.2 88.8
43 29.8 21.7 32.5

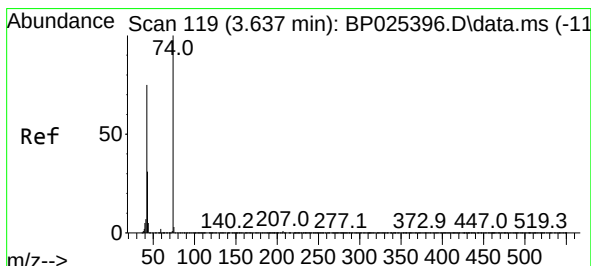
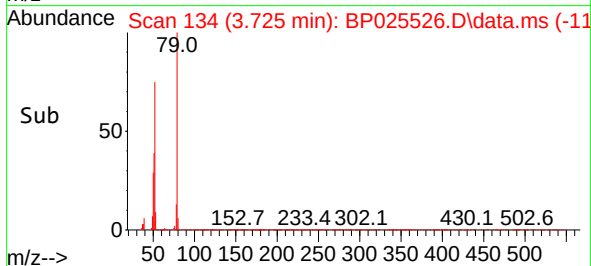
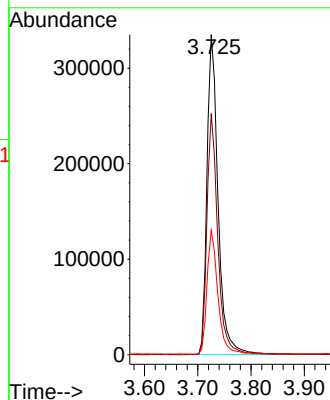
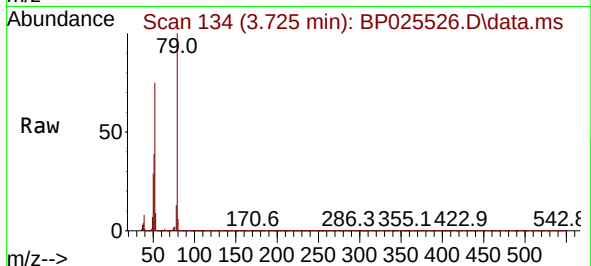




#3
Pyridine
Concen: 38.955 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

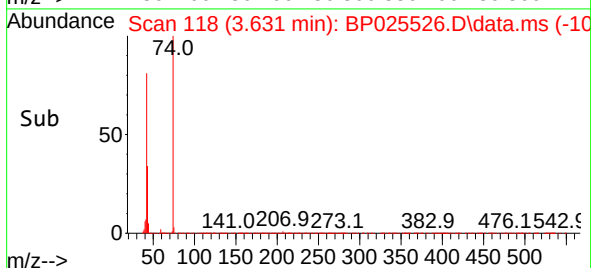
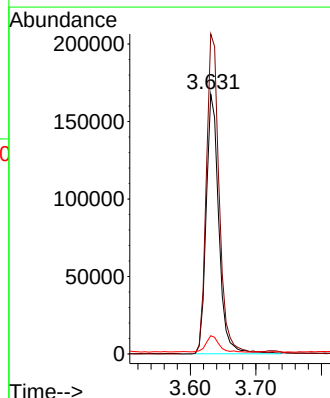
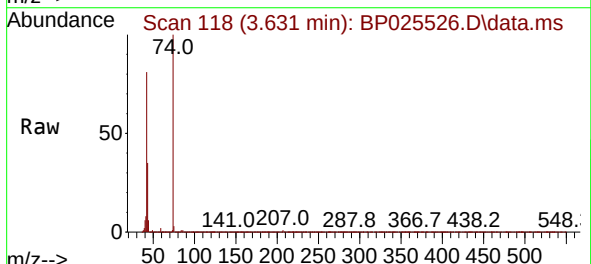
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

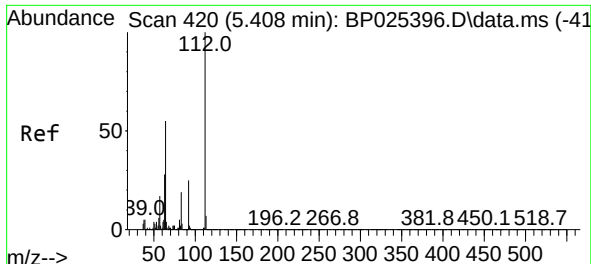
Tgt Ion: 79 Resp: 482600
Ion Ratio Lower Upper
79 100
52 75.3 55.5 83.3
51 38.8 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 43.959 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 42 Resp: 224519
Ion Ratio Lower Upper
42 100
74 123.2 107.0 160.4
44 7.0 6.2 9.4

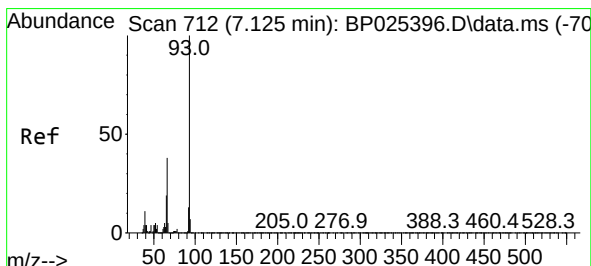
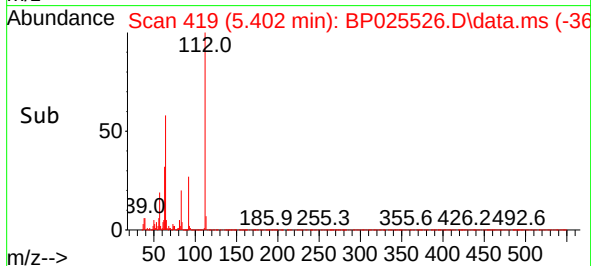
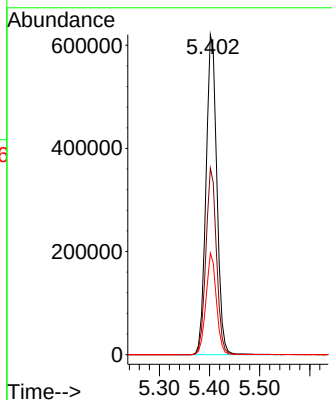
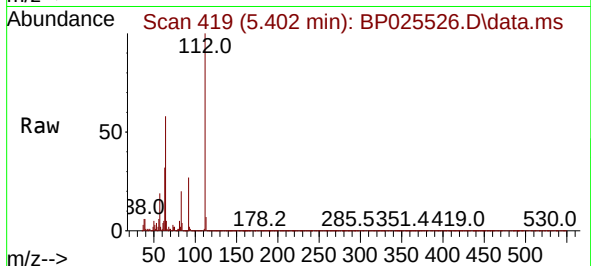




#5
2-Fluorophenol
Concen: 80.749 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

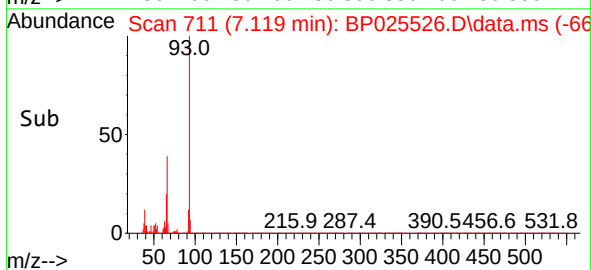
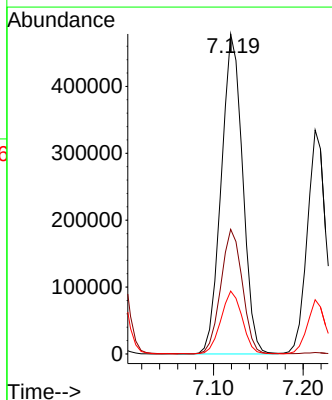
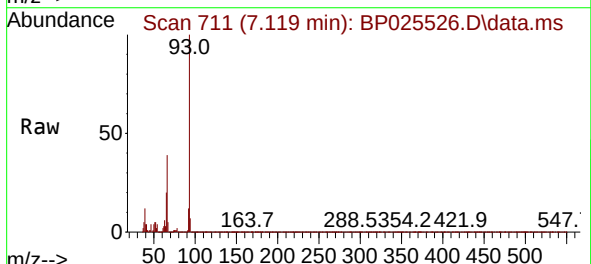
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

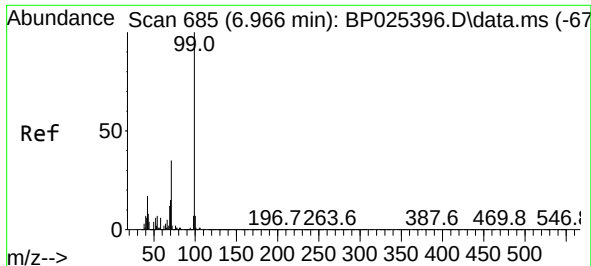
Tgt Ion:112 Resp: 933086
Ion Ratio Lower Upper
112 100
64 58.3 43.8 65.8
63 31.7 22.7 34.1



#6
Aniline
Concen: 39.629 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 93 Resp: 791031
Ion Ratio Lower Upper
93 100
66 39.0 30.4 45.6
65 19.6 15.3 22.9



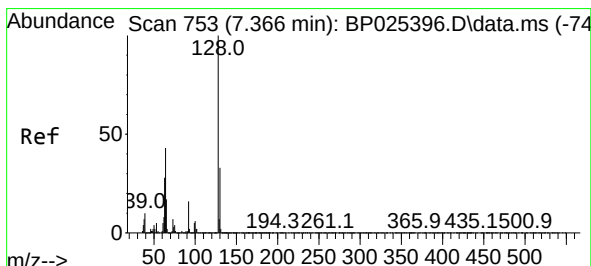
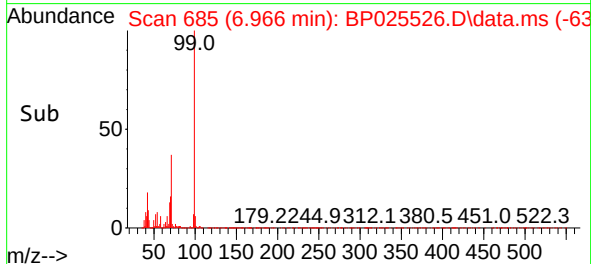
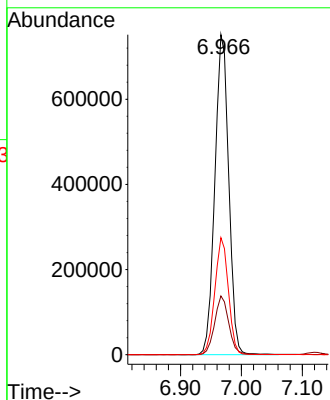
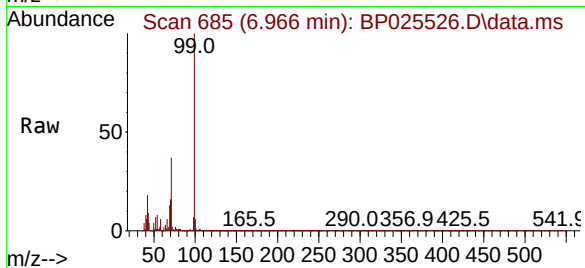


#7
Phenol-d6
Concen: 80.152 ng
RT: 6.966 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1187456

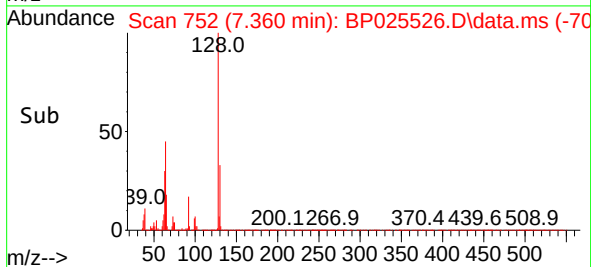
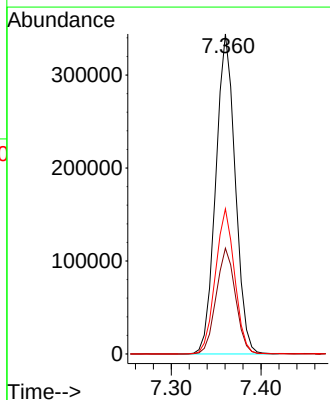
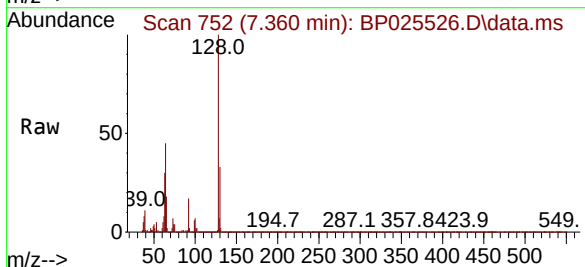
Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	36.6	28.2	42.4

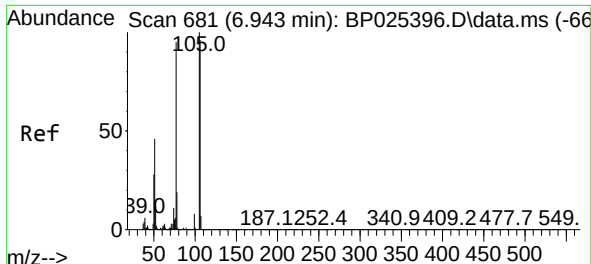


#8
2-Chlorophenol
Concen: 39.746 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 128 Resp: 518280

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	45.4	23.4	63.4

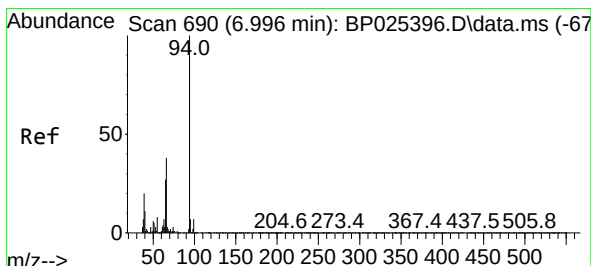
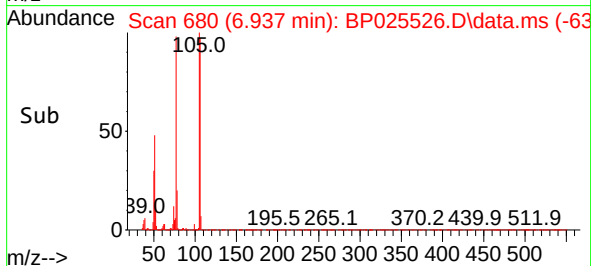
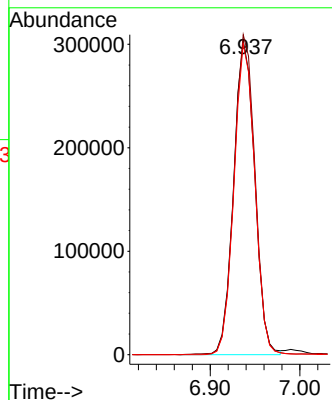
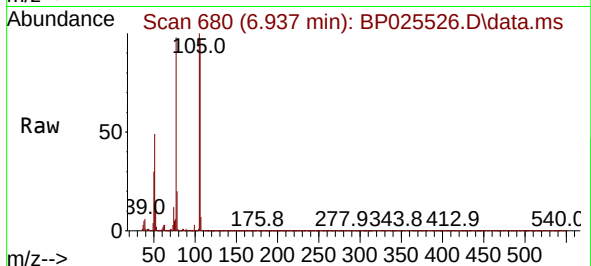




#9
Benzaldehyde
Concen: 47.711 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

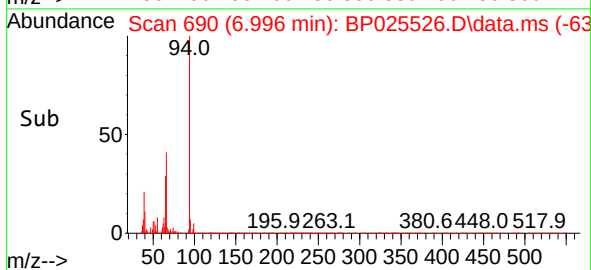
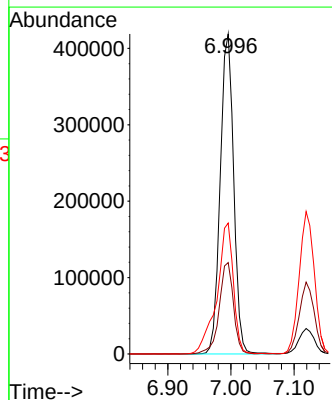
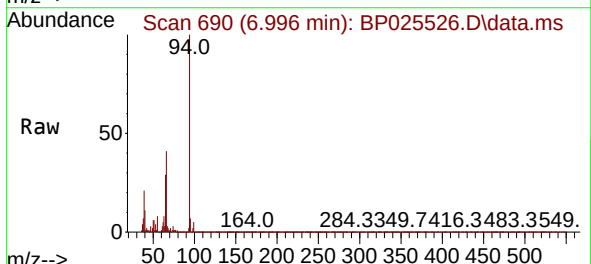
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

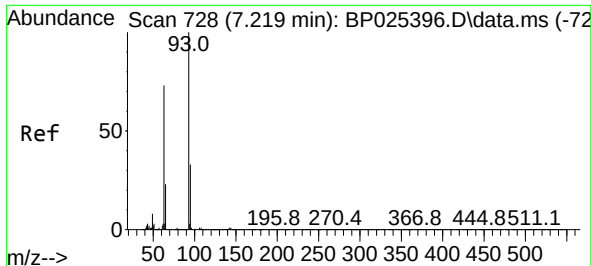
Tgt Ion: 77 Resp: 495216
Ion Ratio Lower Upper
77 100
105 101.8 84.8 124.8
106 98.9 80.5 120.5



#10
Phenol
Concen: 39.828 ng
RT: 6.996 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 94 Resp: 619143
Ion Ratio Lower Upper
94 100
65 28.5 6.8 46.8
66 40.9 18.2 58.2



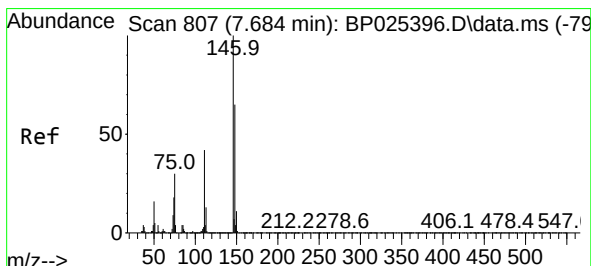
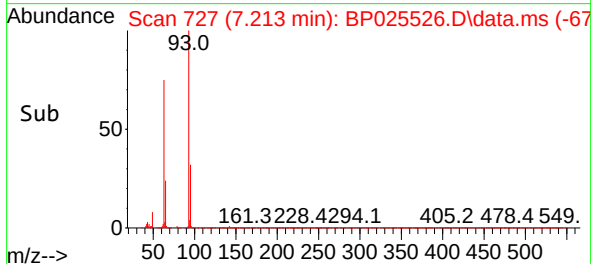
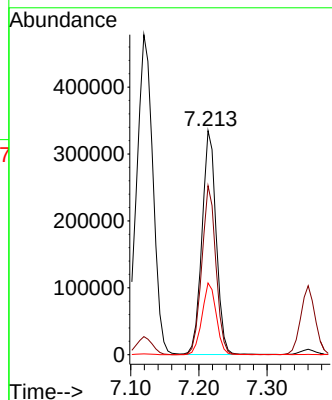
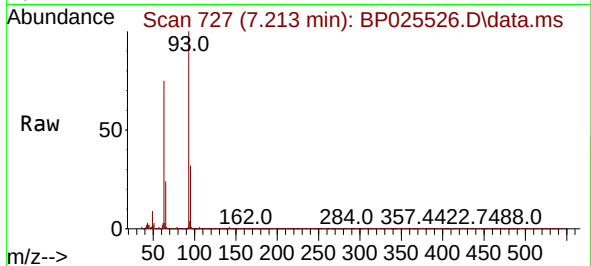


#11
bis(2-Chloroethyl)ether
Concen: 39.942 ng
RT: 7.213 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 483955

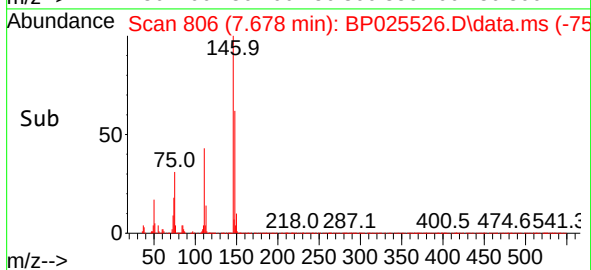
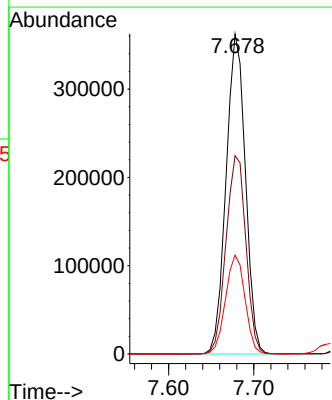
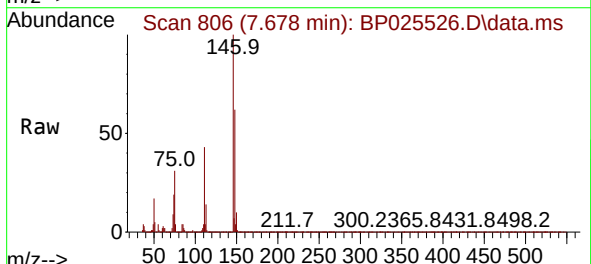
Ion	Ratio	Lower	Upper
93	100		
63	75.4	52.6	92.6
95	32.0	12.7	52.7

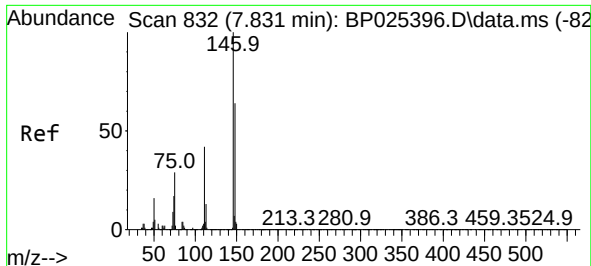


#12
1,3-Dichlorobenzene
Concen: 39.651 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 146 Resp: 570118

Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.9	77.9
75	30.9	23.7	35.5

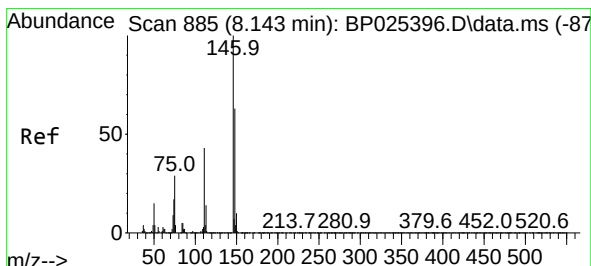
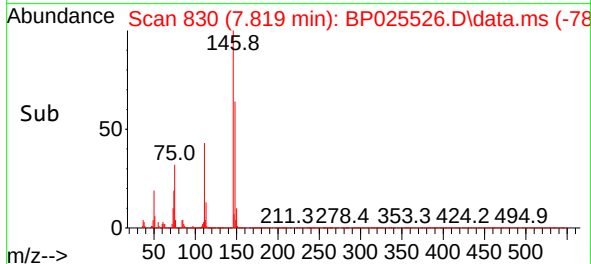
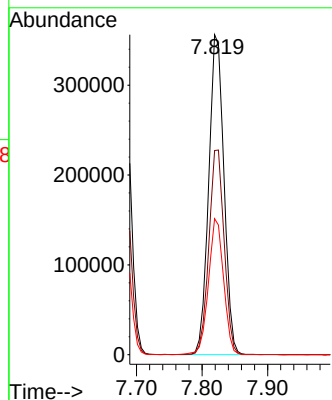
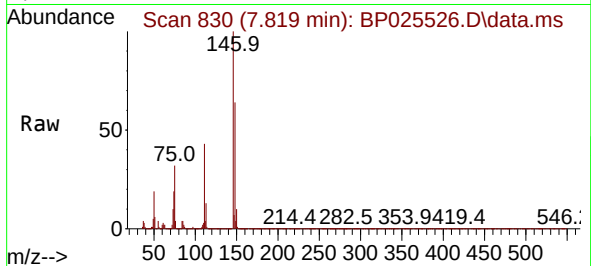




#13
1,4-Dichlorobenzene
Concen: 39.168 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

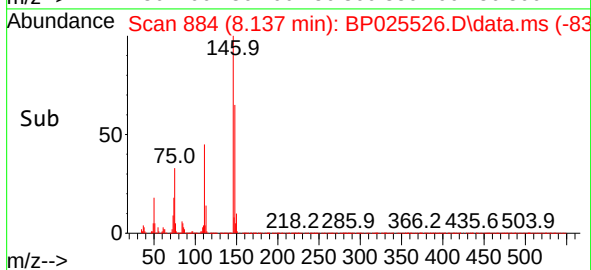
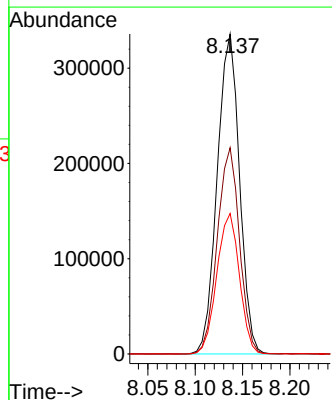
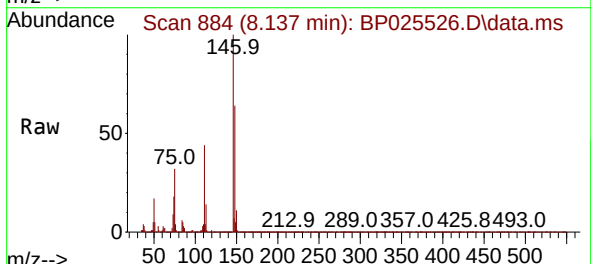
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

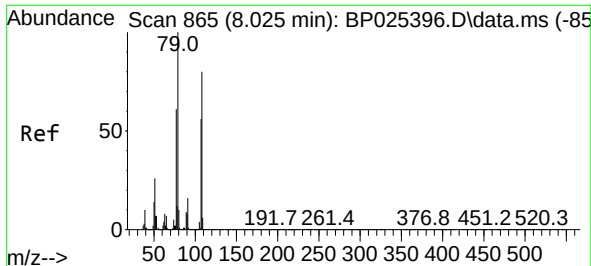
Tgt Ion:146 Resp: 575622
Ion Ratio Lower Upper
146 100
148 63.8 51.6 77.4
111 42.5 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 38.659 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:146 Resp: 549967
Ion Ratio Lower Upper
146 100
148 64.4 50.4 75.6
111 43.9 34.5 51.7

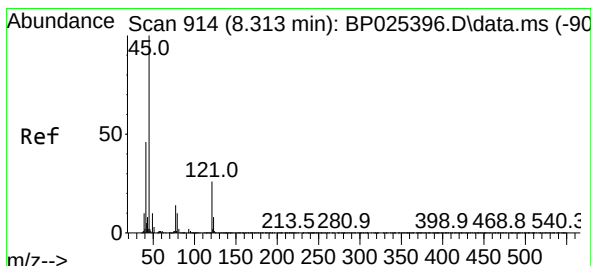
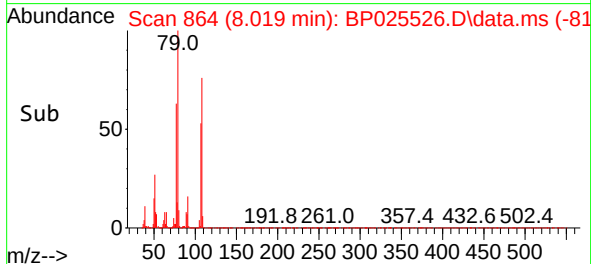
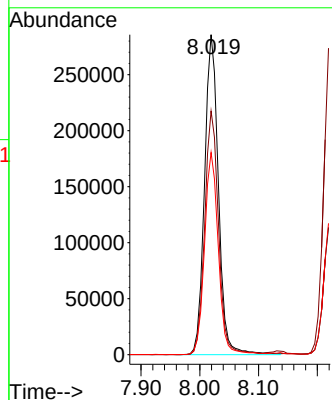
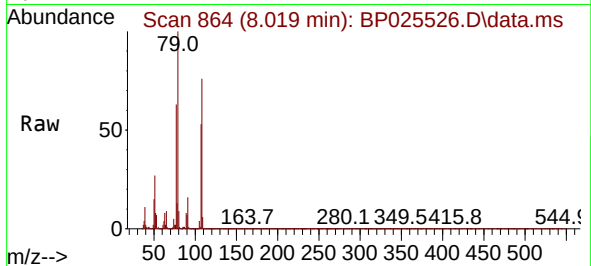




#15
Benzyl Alcohol
Concen: 40.000 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

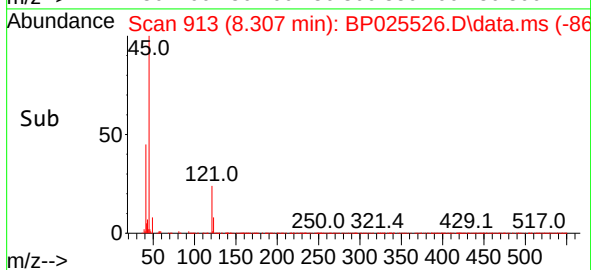
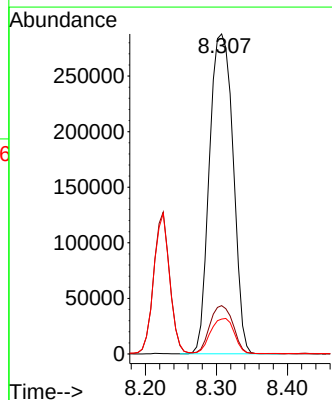
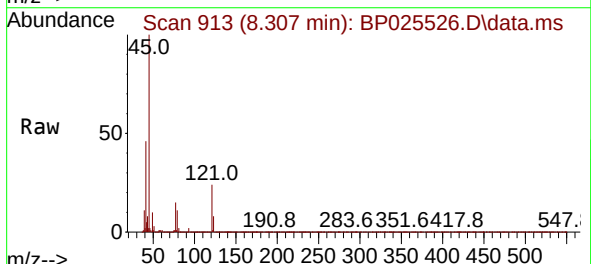
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

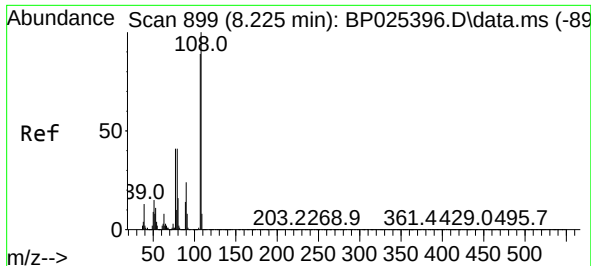
Tgt Ion: 79 Resp: 470863
Ion Ratio Lower Upper
79 100
108 76.2 63.8 95.6
77 63.2 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.975 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 45 Resp: 665088
Ion Ratio Lower Upper
45 100
77 15.1 0.0 35.3
79 10.9 0.0 31.8

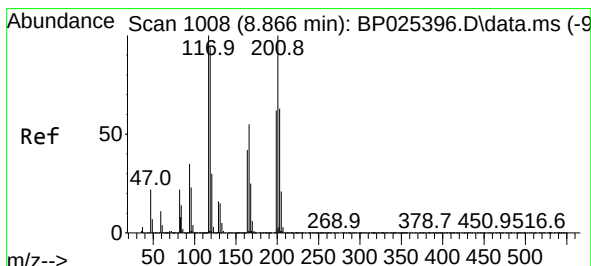
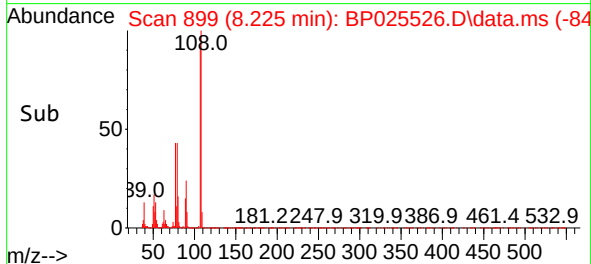
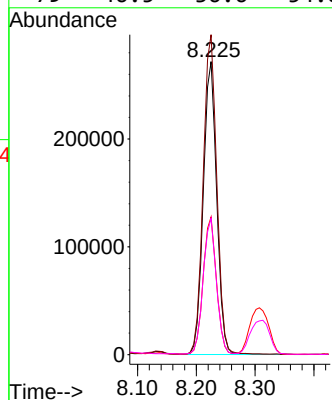
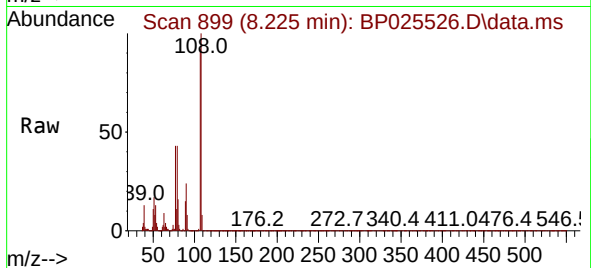




#17
2-Methylphenol
Concen: 39.881 ng
RT: 8.225 min Scan# 899
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

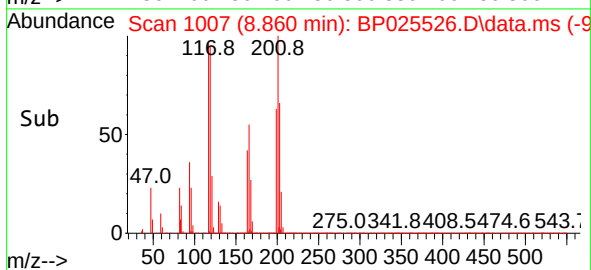
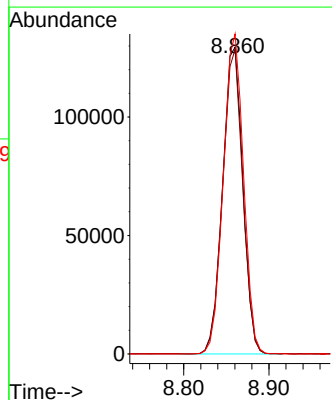
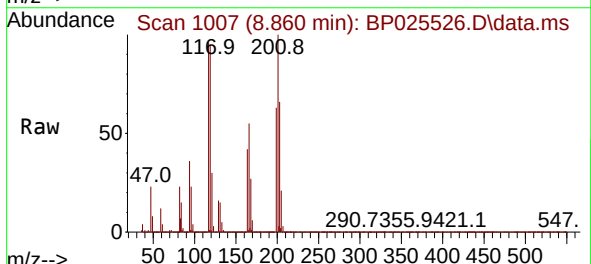
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

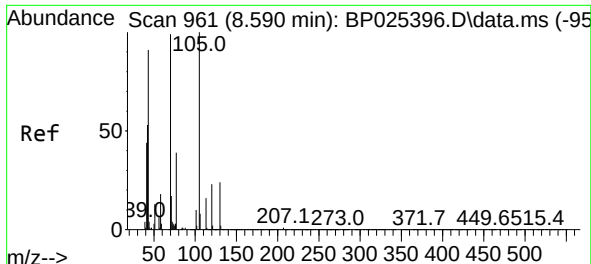
Tgt Ion:	107	Resp:	430585
Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.4	134.0
77	47.0	36.3	54.5
79	46.5	36.6	54.8



#18
Hexachloroethane
Concen: 39.729 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:	117	Resp:	214677
Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.1	112.7
201	104.3	80.1	120.1



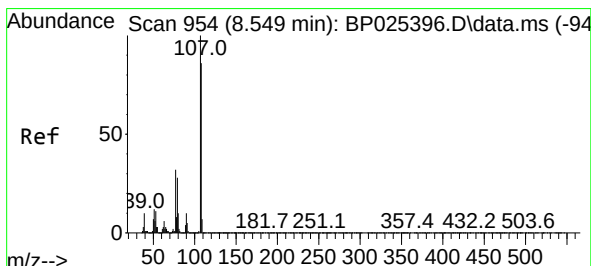
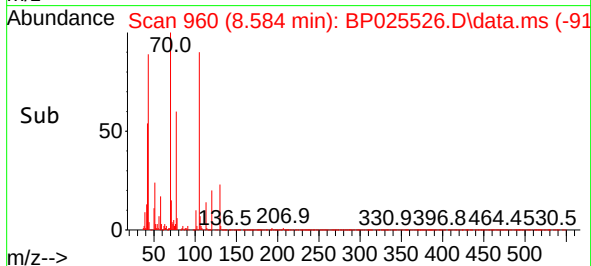
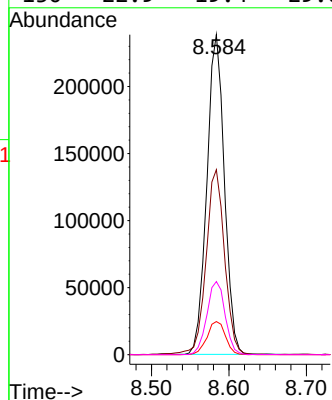
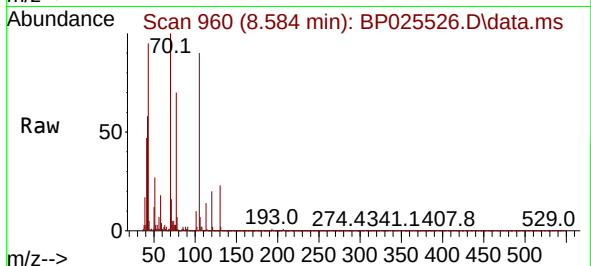


#19
n-Nitroso-di-n-propylamine
Concen: 38.186 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 374725

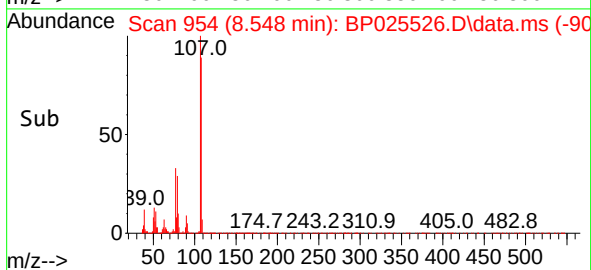
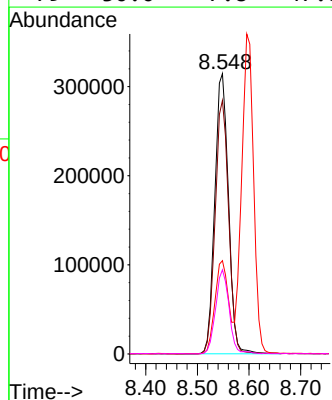
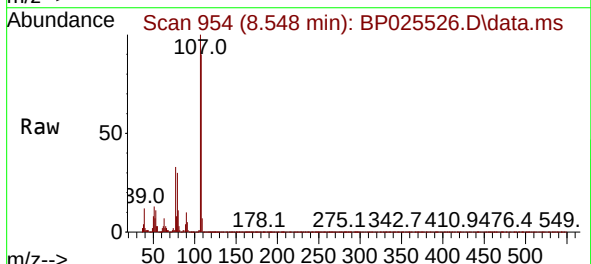
Ion	Ratio	Lower	Upper
70	100		
42	57.8	43.8	65.6
101	10.3	8.5	12.7
130	22.9	19.4	29.0

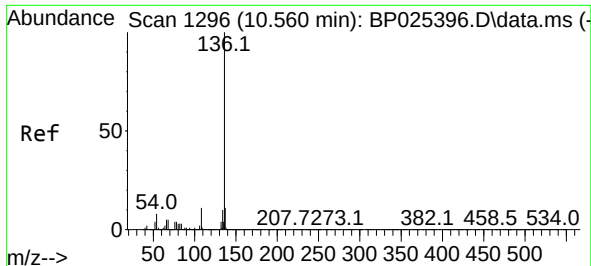


#20
3+4-Methylphenols
Concen: 38.594 ng
RT: 8.548 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 107 Resp: 577590

Ion	Ratio	Lower	Upper
107	100		
108	90.4	66.3	106.3
77	33.3	12.3	52.3
79	30.0	7.8	47.8

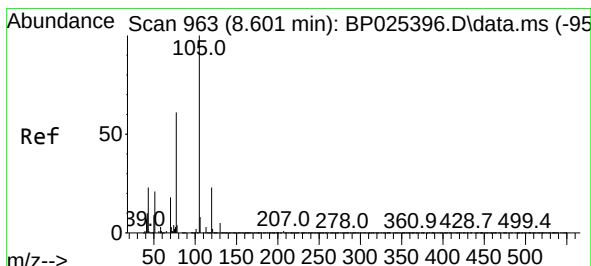
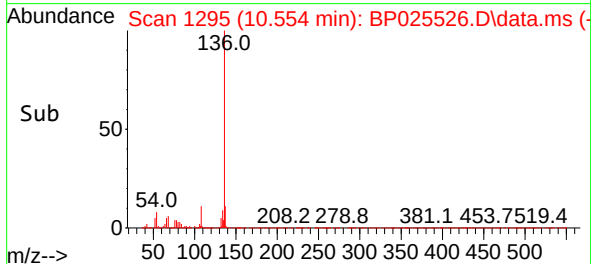
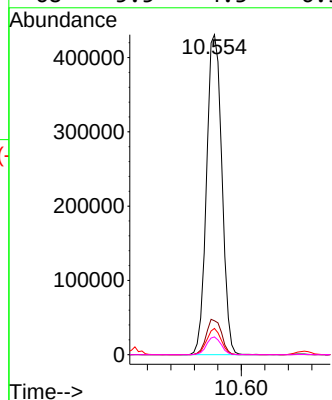
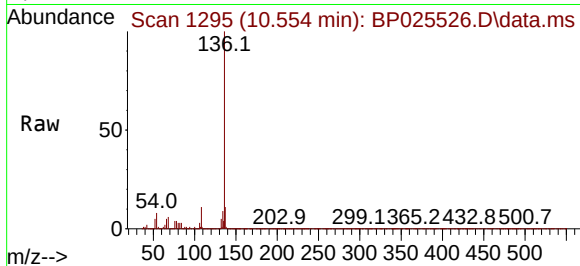




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

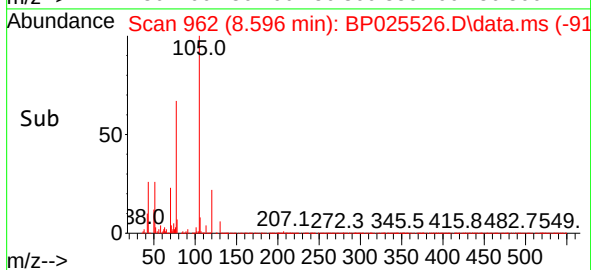
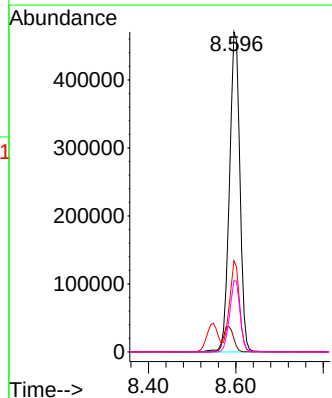
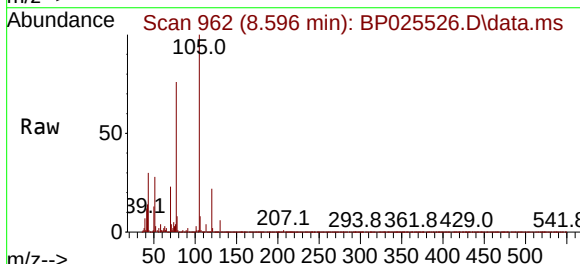
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

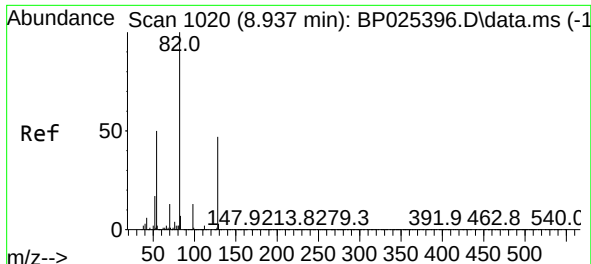
Tgt Ion:	136	Resp:	778080
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.2	13.8
54	8.2	6.0	9.0
68	5.5	4.3	6.5



#22
Acetophenone
Concen: 39.831 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:	105	Resp:	777206
Ion Ratio	Lower	Upper	
105	100		
71	4.1	2.6	4.0#
51	28.5	20.6	30.8
120	22.3	18.6	27.8

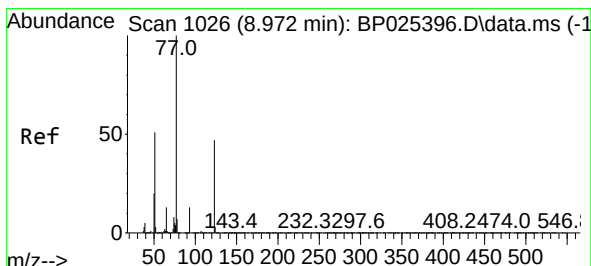
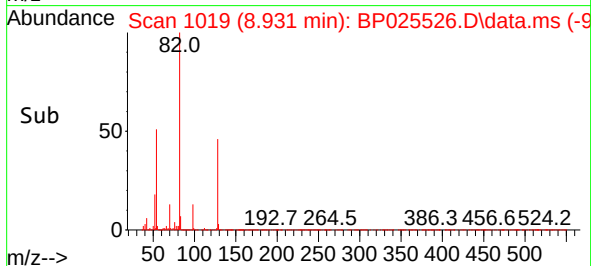
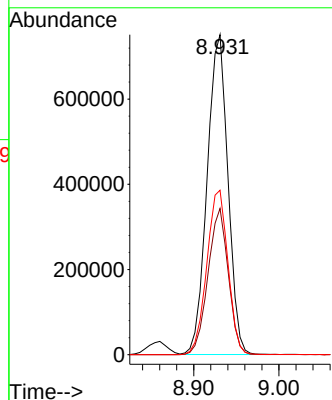
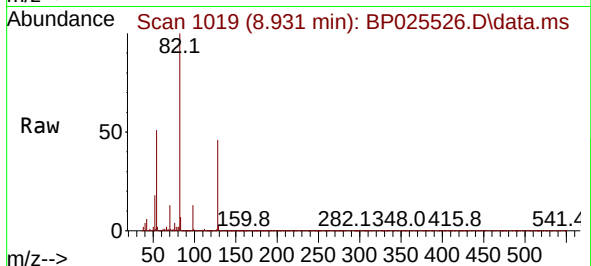




#23
Nitrobenzene-d5
Concen: 82.765 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

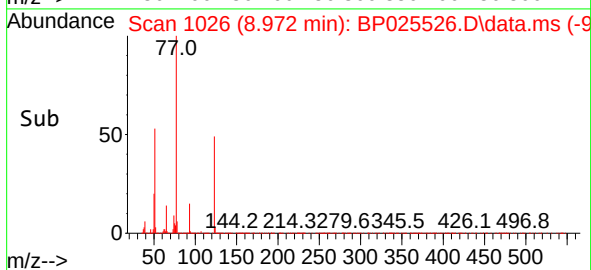
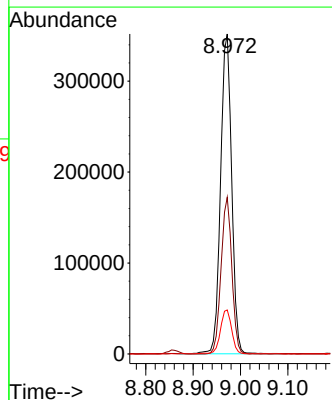
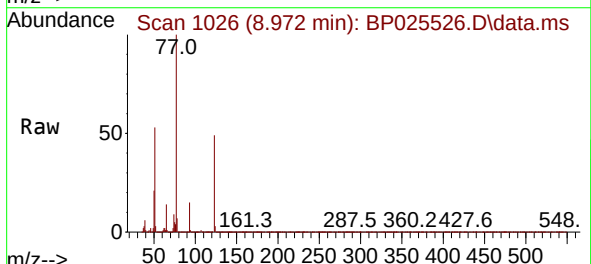
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

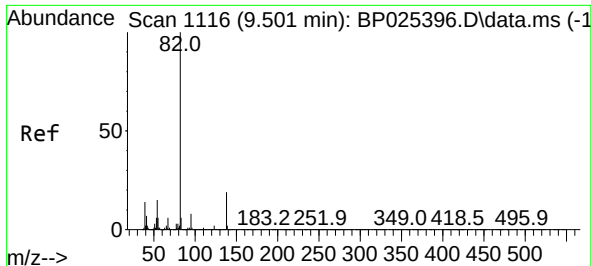
Tgt Ion: 82 Resp: 1273041
Ion Ratio Lower Upper
82 100
128 45.7 37.7 56.5
54 51.4 39.8 59.6



#24
Nitrobenzene
Concen: 41.406 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 77 Resp: 569192
Ion Ratio Lower Upper
77 100
123 48.9 38.6 58.0
65 13.8 10.6 15.8

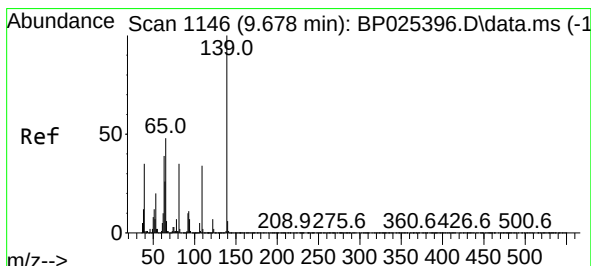
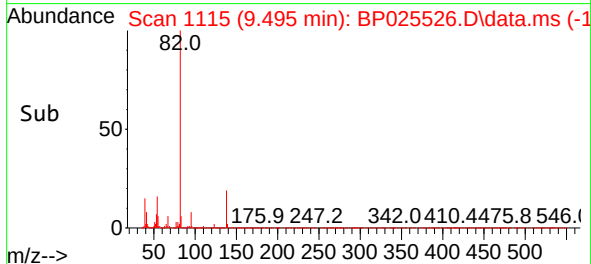
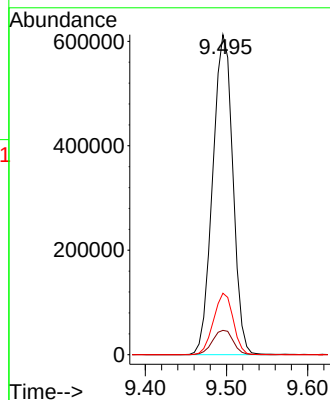
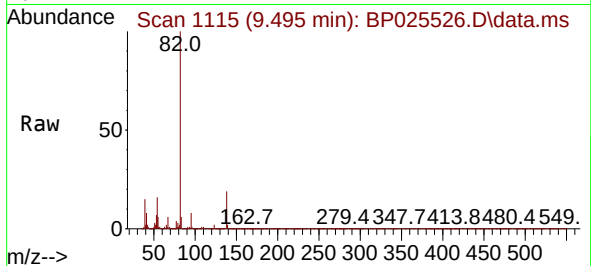




#25
Isophorone
Concen: 38.851 ng
RT: 9.495 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

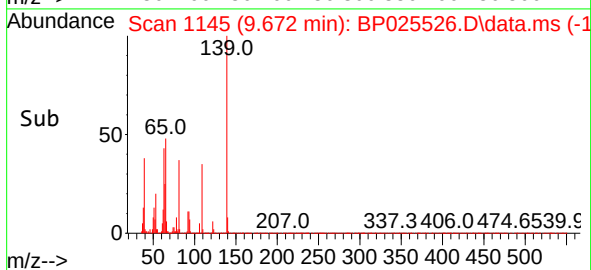
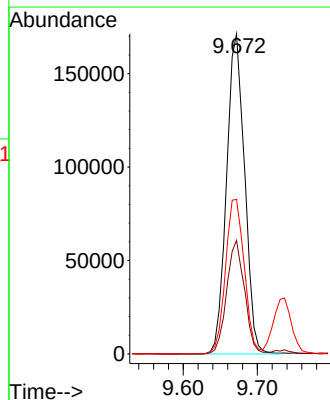
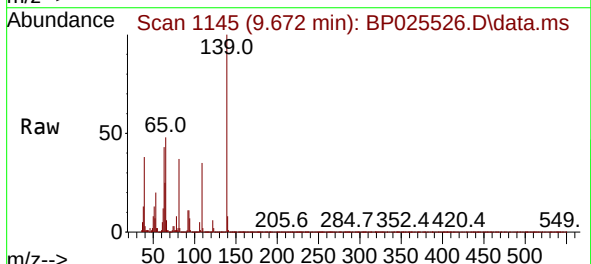
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

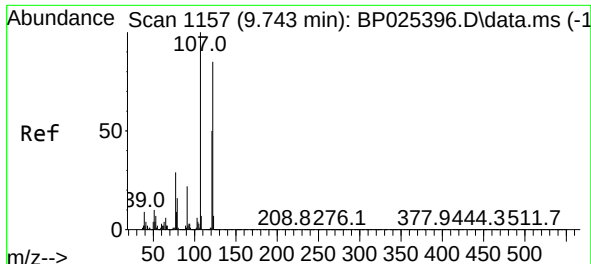
Tgt Ion: 82 Resp: 1057559
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 19.2 15.4 23.0



#26
2-Nitrophenol
Concen: 41.086 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 139 Resp: 289854
Ion Ratio Lower Upper
139 100
109 35.5 26.9 40.3
65 48.3 38.3 57.5

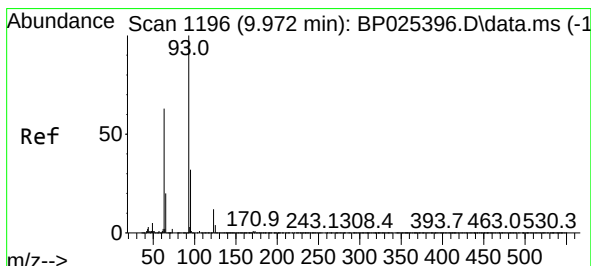
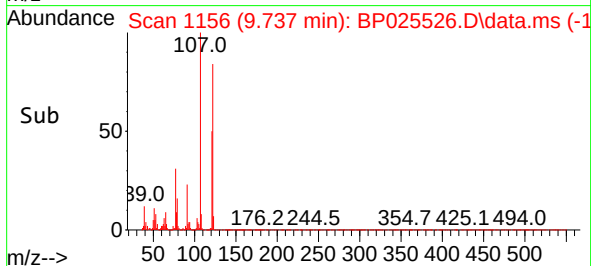
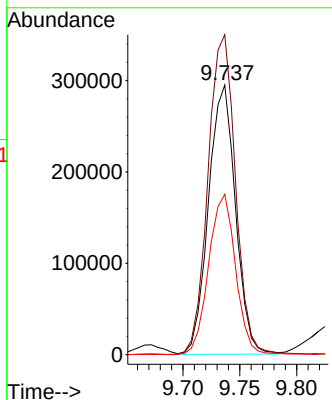
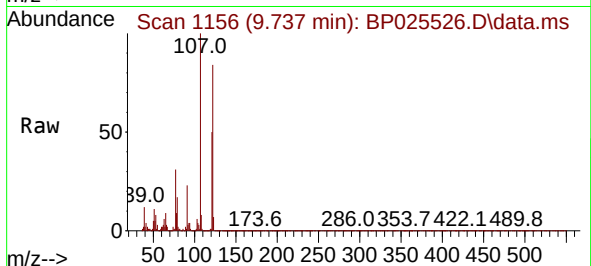




#27
2,4-Dimethylphenol
Concen: 40.225 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

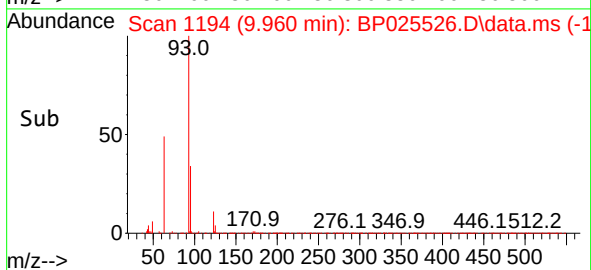
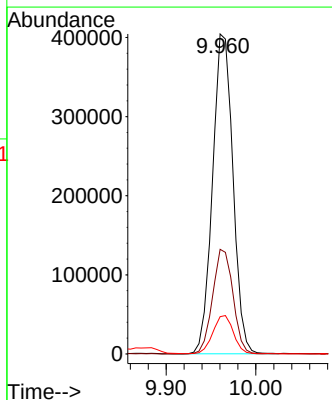
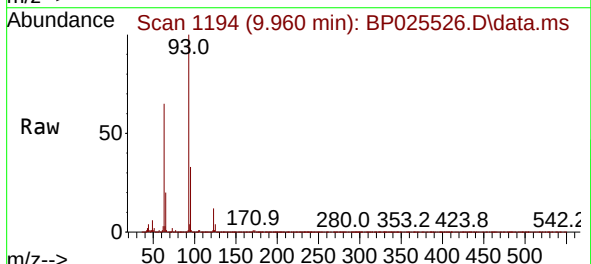
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

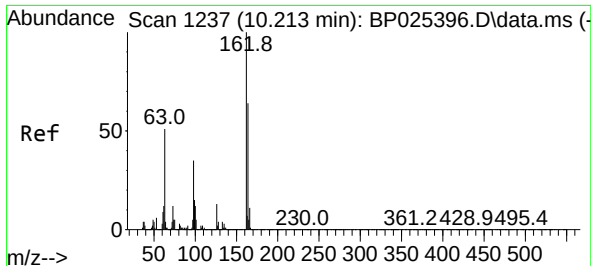
Tgt Ion:122 Resp: 488029
Ion Ratio Lower Upper
122 100
107 118.7 93.7 140.5
121 59.5 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 38.812 ng
RT: 9.960 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 93 Resp: 638647
Ion Ratio Lower Upper
93 100
95 32.7 25.4 38.0
123 11.7 9.4 14.0

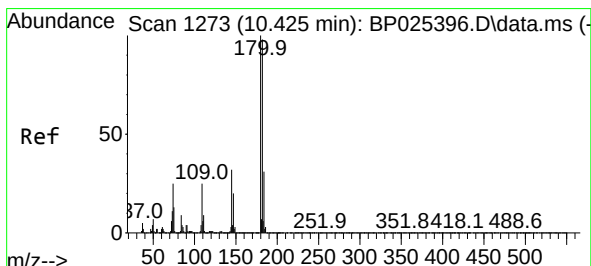
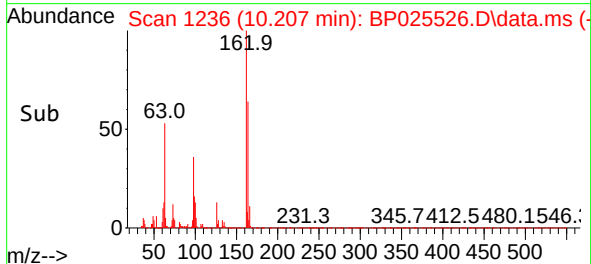
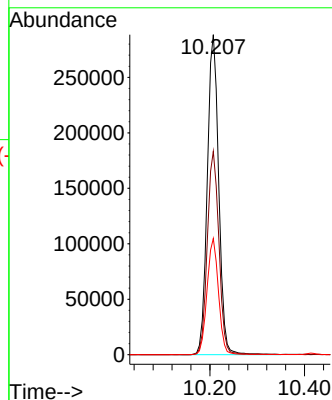
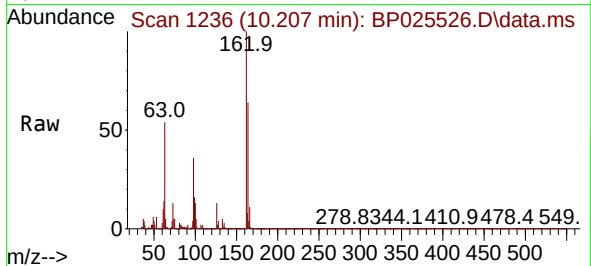




#29
2,4-Dichlorophenol
Concen: 40.055 ng
RT: 10.207 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

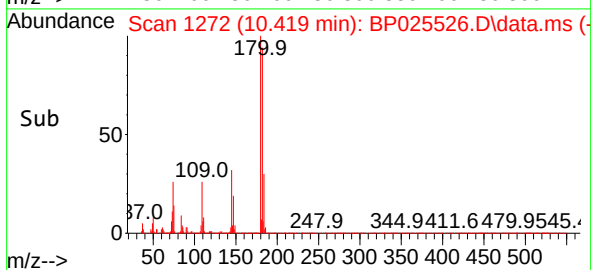
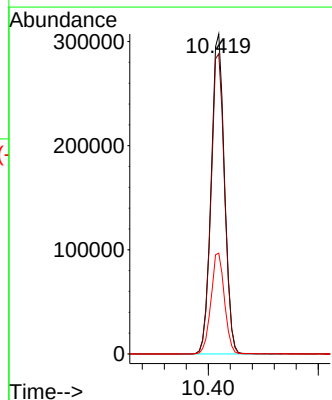
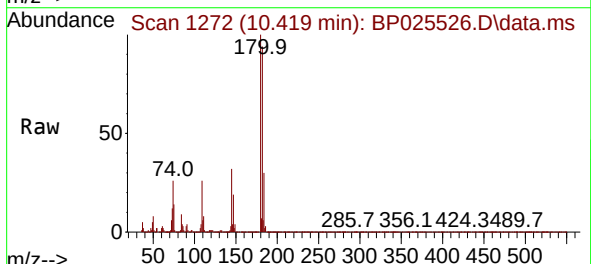
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

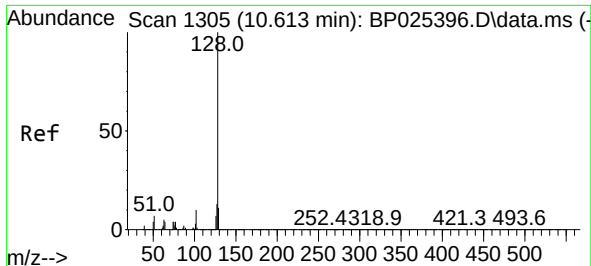
Tgt Ion:162 Resp: 482743
Ion Ratio Lower Upper
162 100
164 63.6 44.4 84.4
98 36.3 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 39.125 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:180 Resp: 516908
Ion Ratio Lower Upper
180 100
182 93.8 78.0 117.0
145 31.5 25.9 38.9

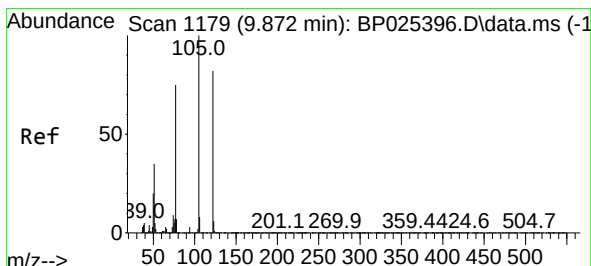
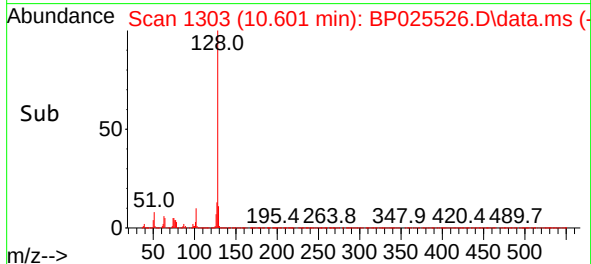
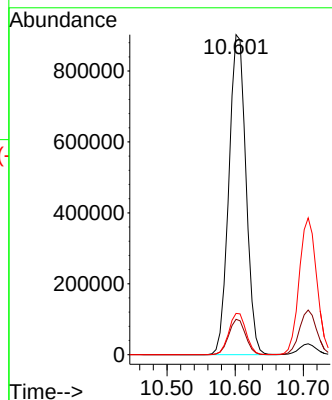
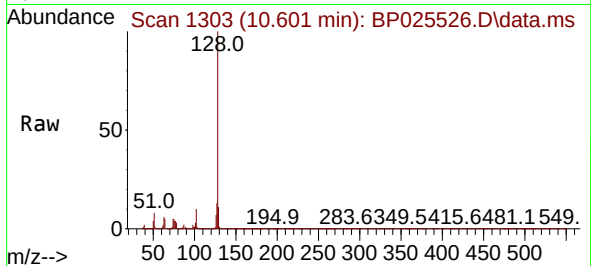




#31
Naphthalene
Concen: 38.828 ng
RT: 10.601 min Scan# 1181
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

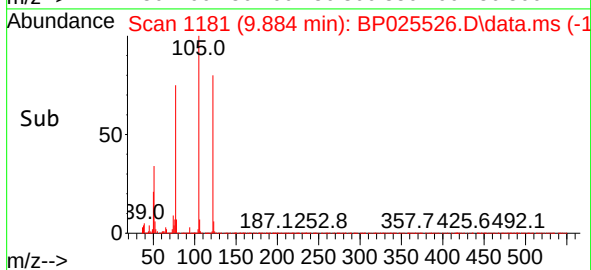
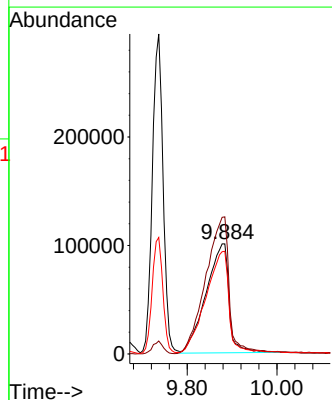
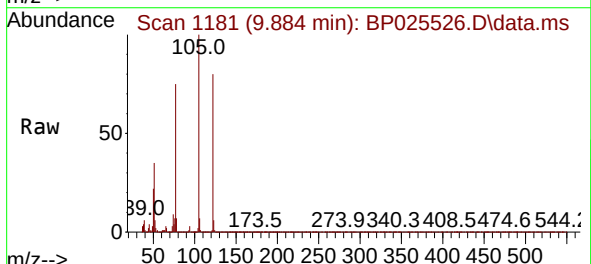
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

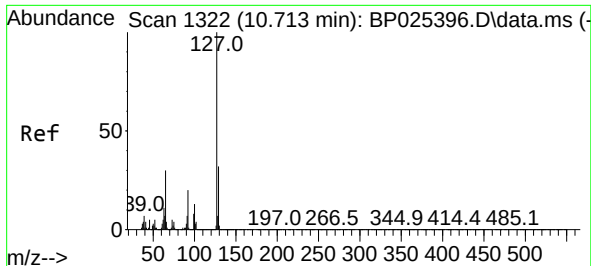
Tgt Ion:128 Resp: 1570246
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 12.9 10.7 16.1



#32
Benzoic acid
Concen: 40.049 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:122 Resp: 358720
Ion Ratio Lower Upper
122 100
105 124.5 100.6 140.6
77 93.3 71.5 111.5

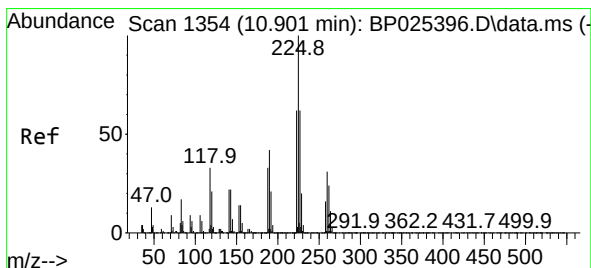
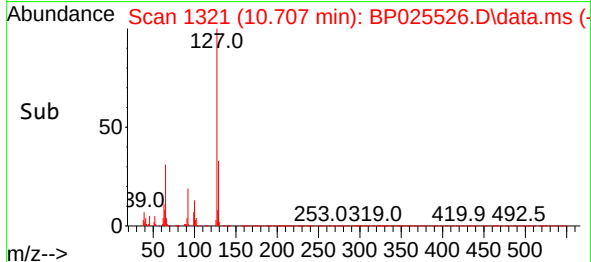
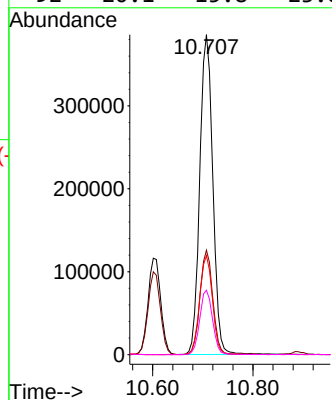
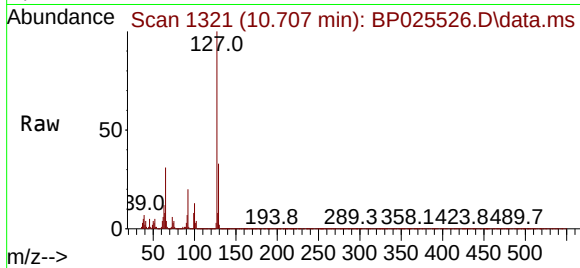




#33
4-Chloroaniline
Concen: 38.991 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

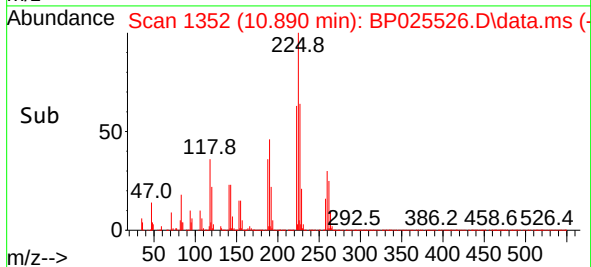
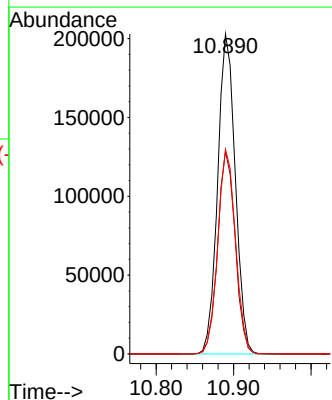
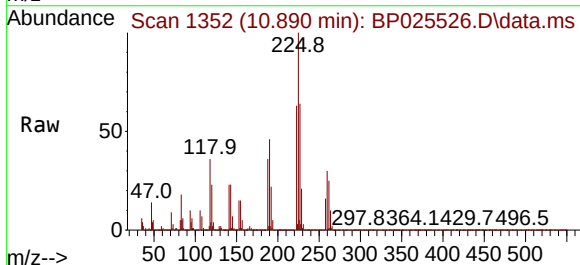
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

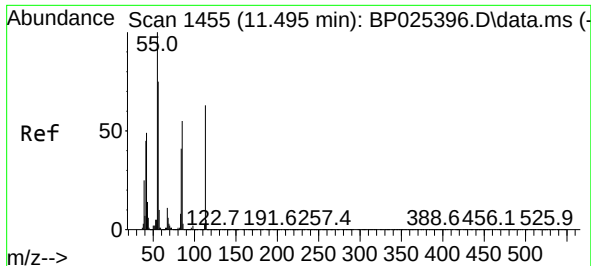
Tgt Ion:	127	Resp:	696525
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	31.0	23.8	35.6
92	20.1	15.8	23.8



#34
Hexachlorobutadiene
Concen: 39.065 ng
RT: 10.890 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:	225	Resp:	321424
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.0	75.0
227	64.0	49.7	74.5

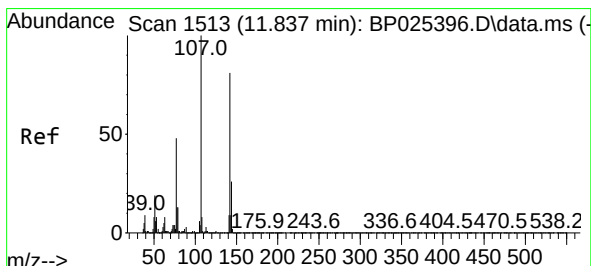
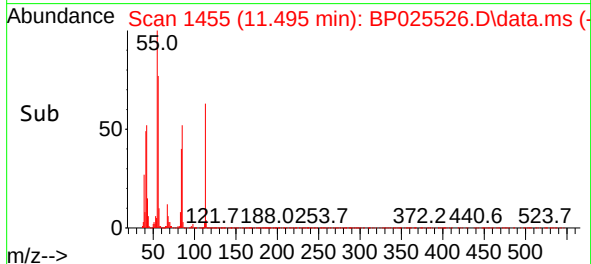
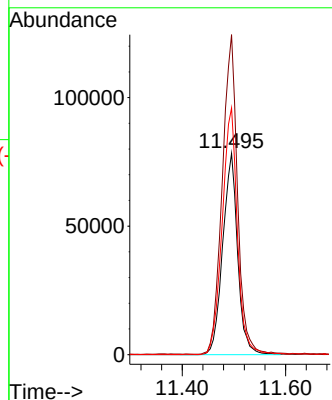
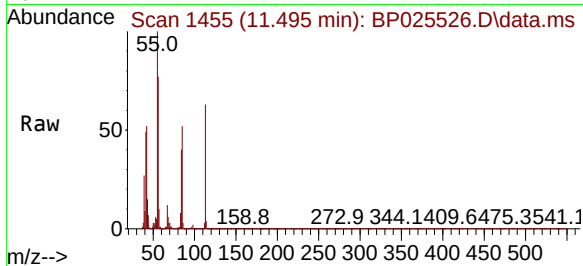




#35
Caprolactam
Concen: 35.484 ng
RT: 11.495 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

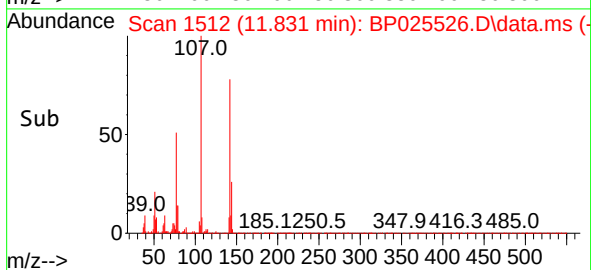
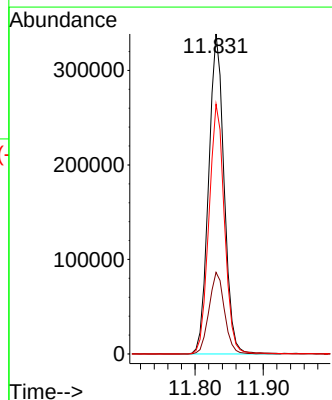
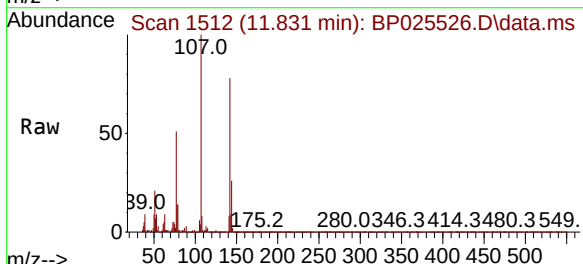
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

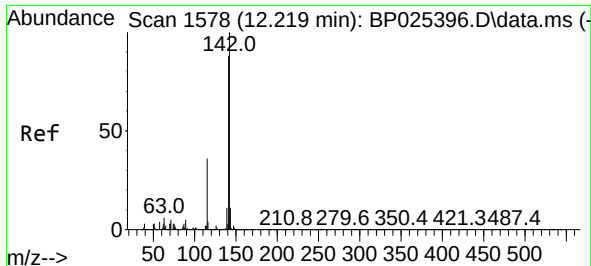
Tgt Ion:113 Resp: 156812
Ion Ratio Lower Upper
113 100
55 159.0 140.0 180.0
56 122.6 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 38.676 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:107 Resp: 534863
Ion Ratio Lower Upper
107 100
144 25.5 21.0 31.4
142 78.1 64.6 97.0

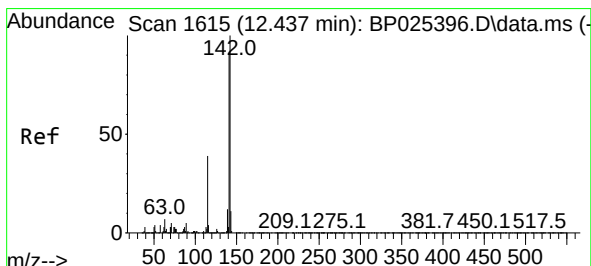
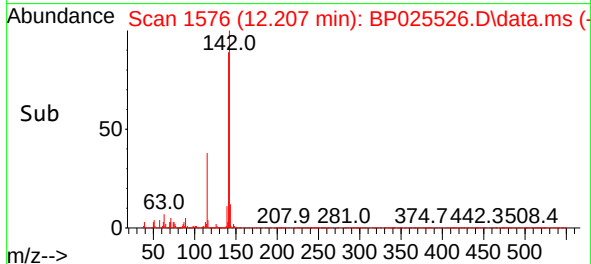
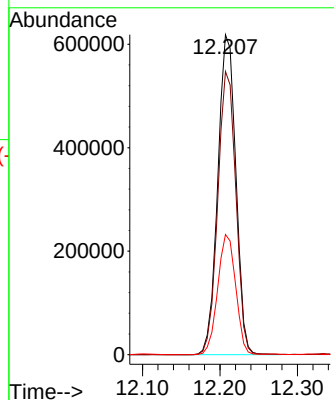
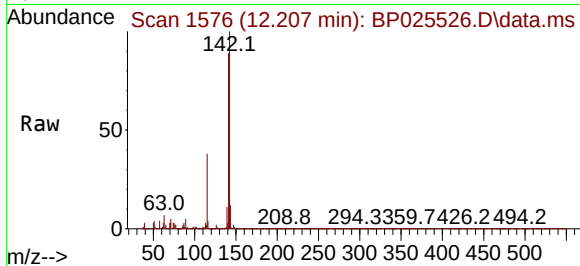




#37
2-Methylnaphthalene
Concen: 37.995 ng
RT: 12.207 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

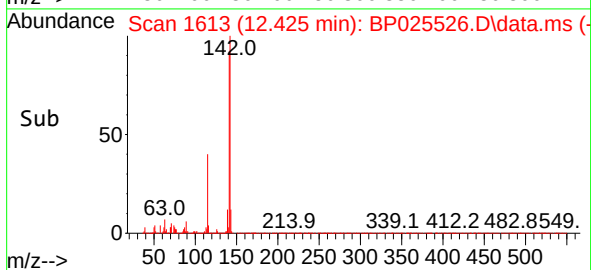
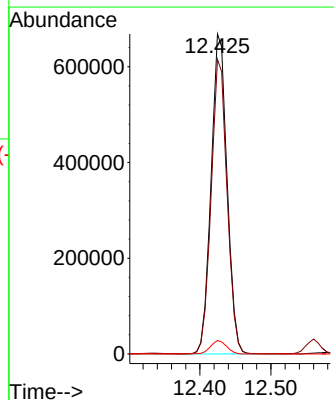
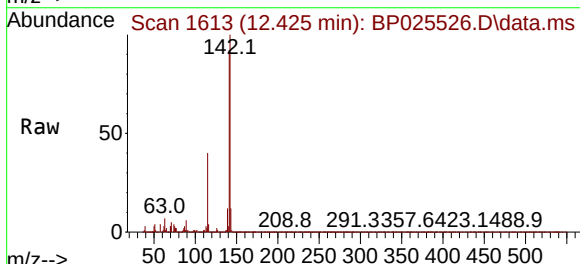
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

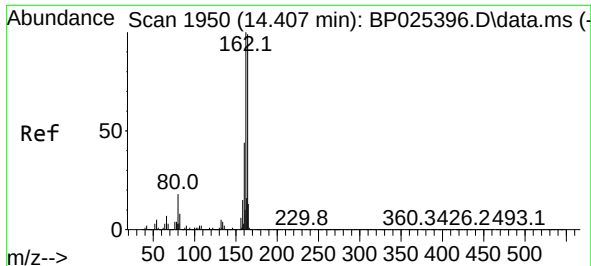
Tgt Ion:142 Resp: 999947
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 37.6 28.9 43.3



#38
1-Methylnaphthalene
Concen: 37.300 ng
RT: 12.425 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:142 Resp: 1043941
Ion Ratio Lower Upper
142 100
141 92.1 73.1 109.7
116 4.2 3.2 4.8

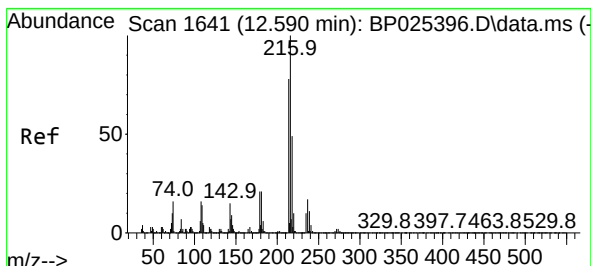
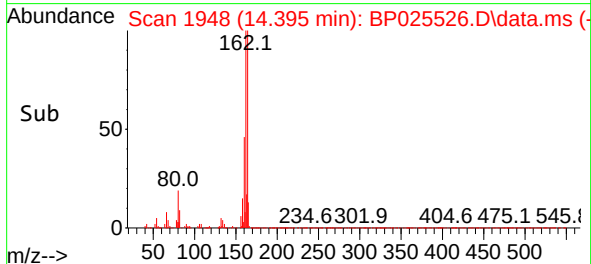
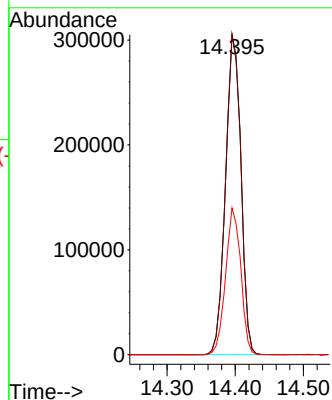
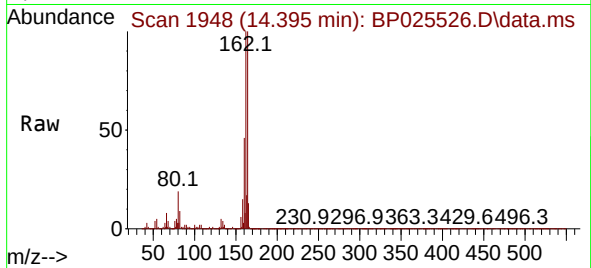




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

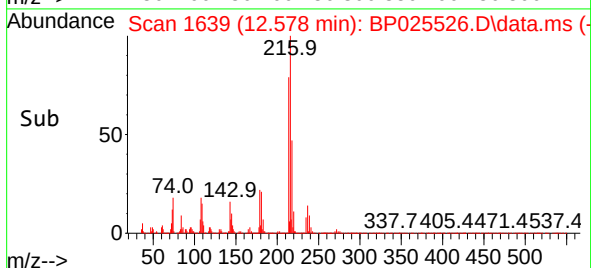
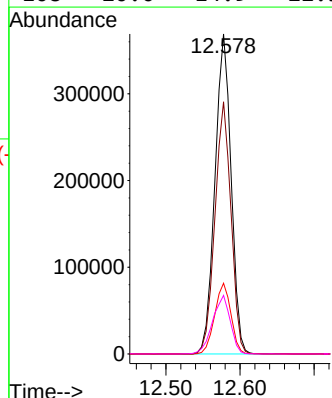
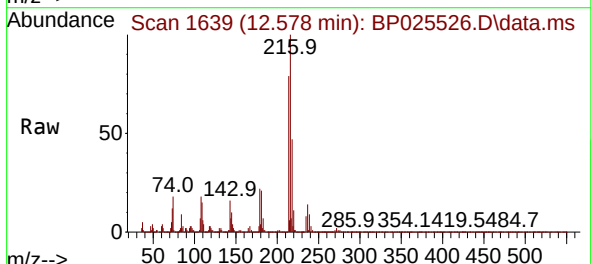
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

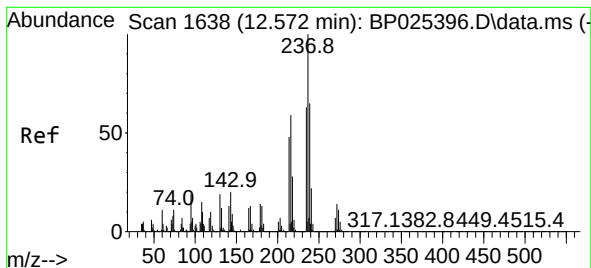
Tgt Ion:164 Resp: 480142
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.6
160 45.9 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.240 ng
RT: 12.578 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:216 Resp: 558004
Ion Ratio Lower Upper
216 100
214 78.2 63.0 94.4
179 22.3 17.1 25.7
108 20.0 14.9 22.3

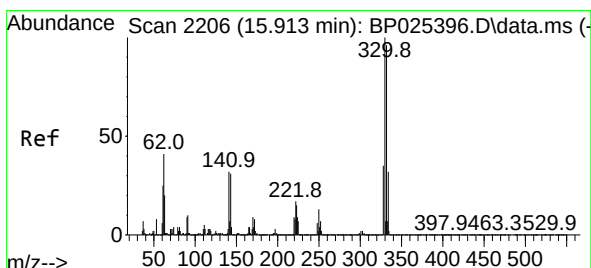
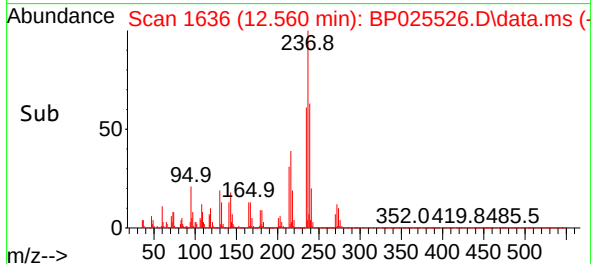
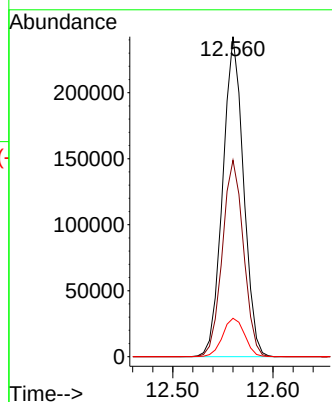
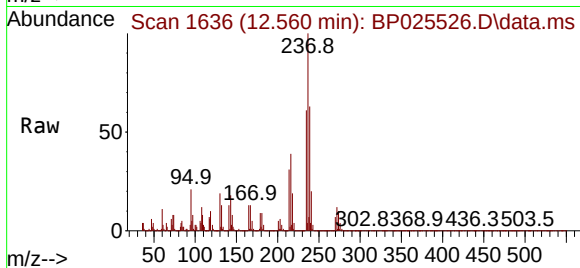




#41
Hexachlorocyclopentadiene
Concen: 41.668 ng
RT: 12.560 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

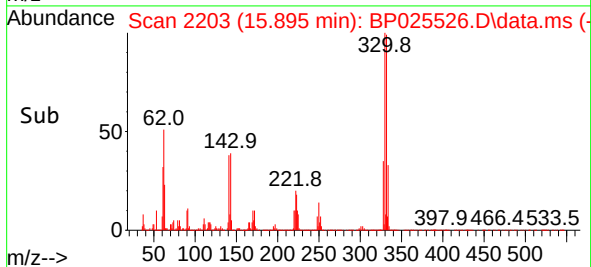
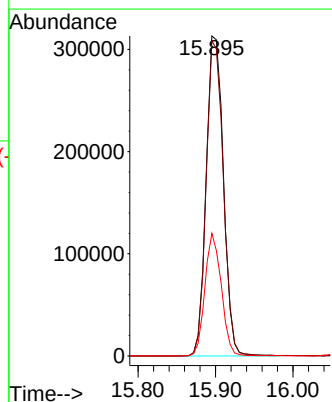
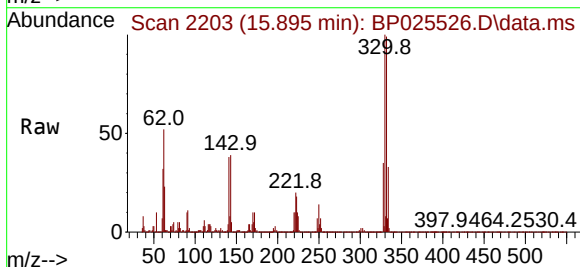
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

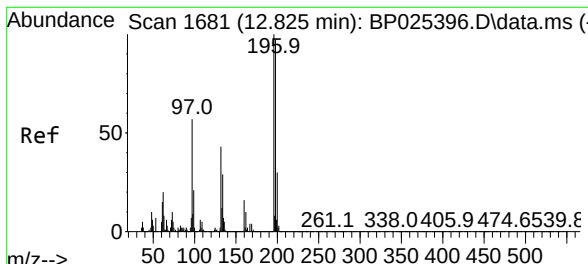
Tgt Ion:237 Resp: 349022
Ion Ratio Lower Upper
237 100
235 61.4 42.7 82.7
272 12.0 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 74.936 ng
RT: 15.895 min Scan# 2203
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:330 Resp: 484295
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 36.4 26.6 39.8

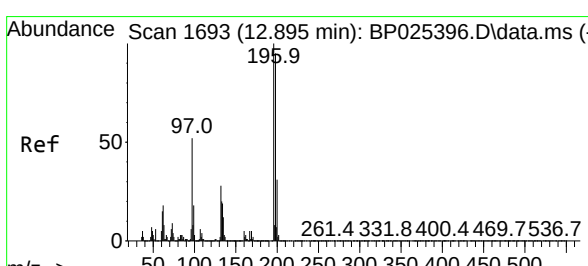
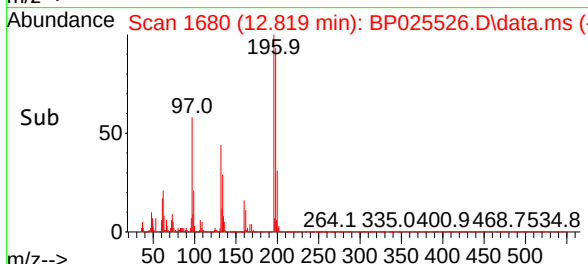
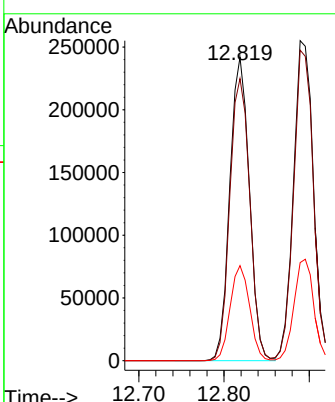
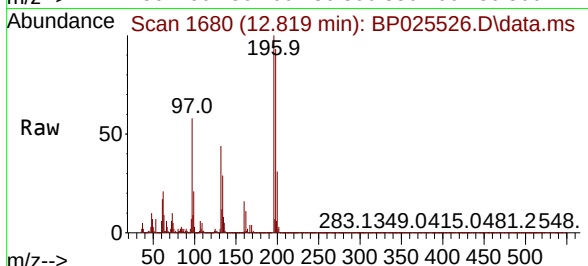




#43
 2,4,6-Trichlorophenol
 Concen: 41.205 ng
 RT: 12.819 min Scan# 1680
 Delta R.T. -0.006 min
 Lab File: BP025526.D
 Acq: 21 Aug 2025 03:59

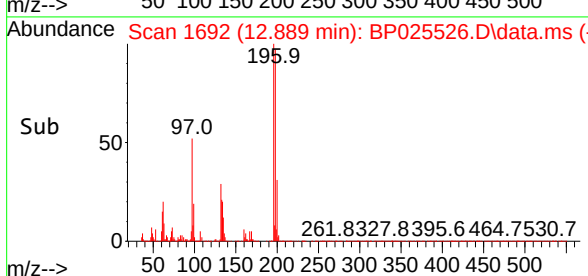
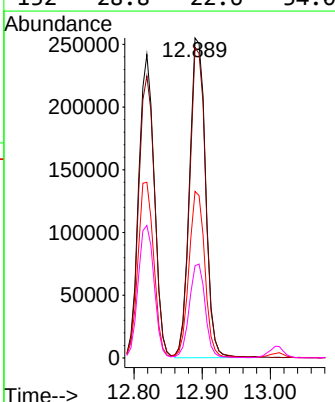
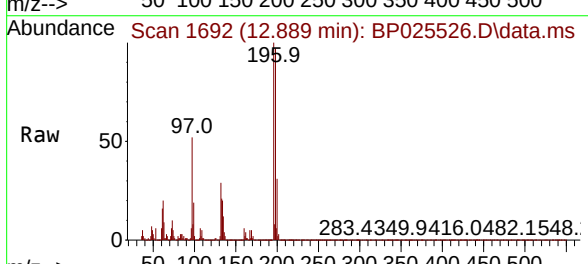
Instrument : BNA_P
 ClientSampleId : SSTDCCC040EC

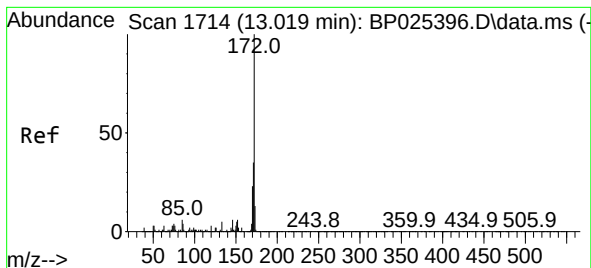
Tgt Ion:	196	Resp:	385756
Ion Ratio	Lower	Upper	
196	100		
198	92.9	77.2	115.8
200	31.3	23.9	35.9



#44
 2,4,5-Trichlorophenol
 Concen: 40.598 ng
 RT: 12.889 min Scan# 1692
 Delta R.T. -0.006 min
 Lab File: BP025526.D
 Acq: 21 Aug 2025 03:59

Tgt Ion:	196	Resp:	416547
Ion Ratio	Lower	Upper	
196	100		
198	97.0	76.2	114.2
97	52.1	41.2	61.8
132	28.8	22.6	34.0

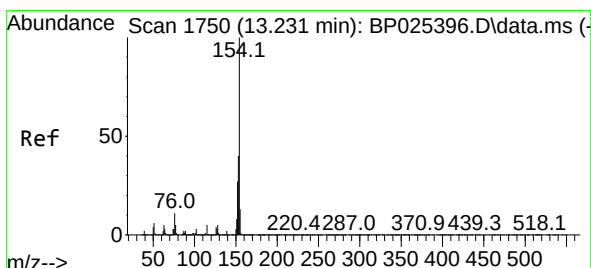
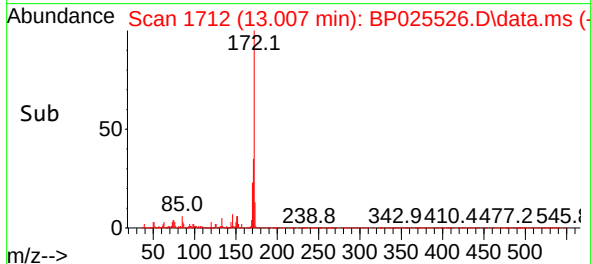
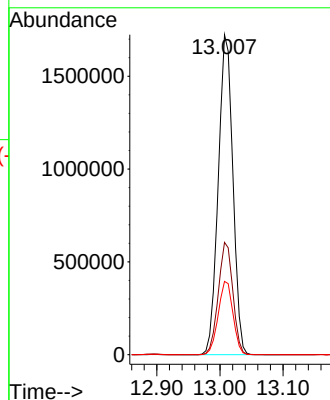
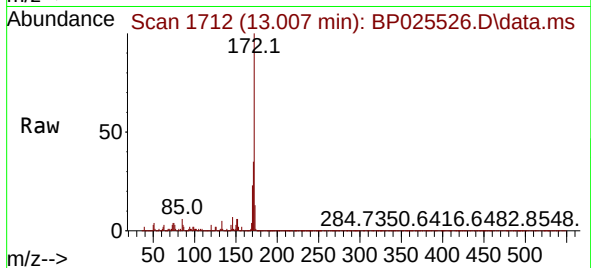




#45
2-Fluorobiphenyl
Concen: 78.794 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

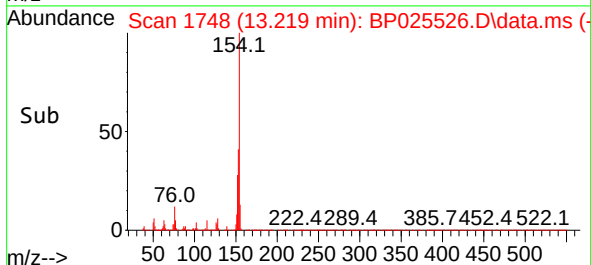
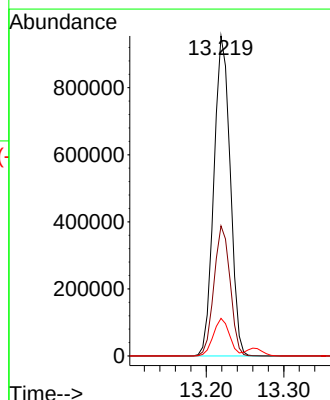
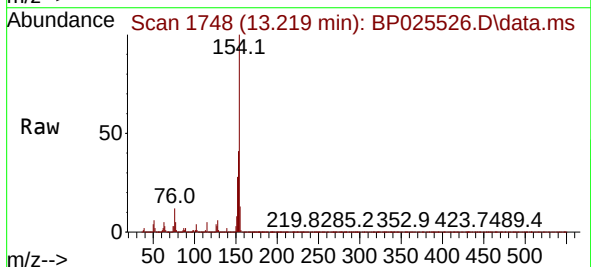
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

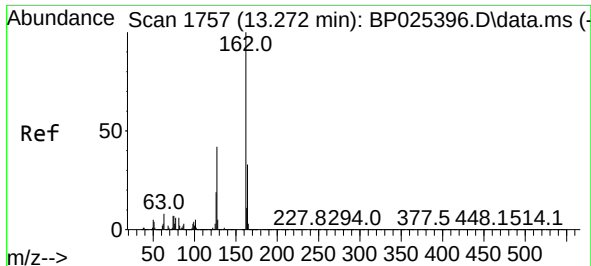
Tgt Ion:172 Resp: 2768196
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 22.9 18.6 28.0



#46
1,1'-Biphenyl
Concen: 39.995 ng
RT: 13.219 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:154 Resp: 1394649
Ion Ratio Lower Upper
154 100
153 40.6 19.5 59.5
76 11.7 0.0 31.1





#47

2-Chloronaphthalene

Concen: 40.186 ng

RT: 13.260 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

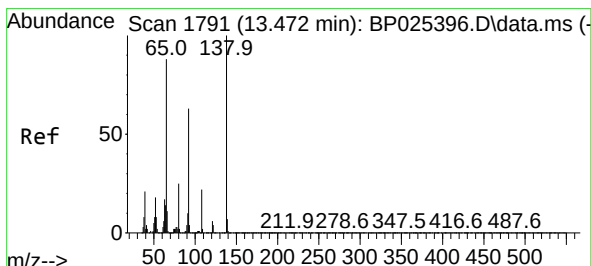
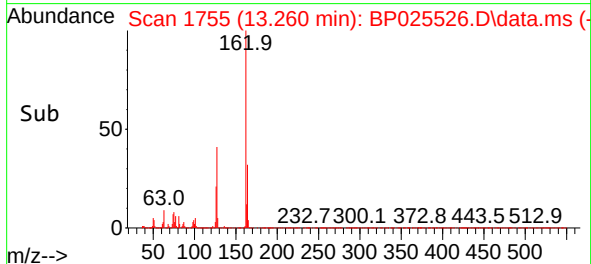
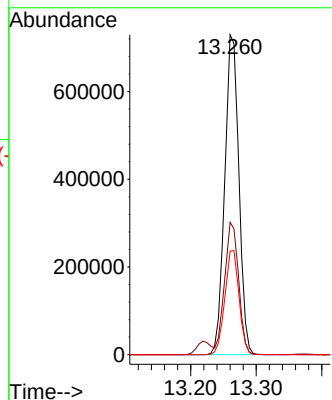
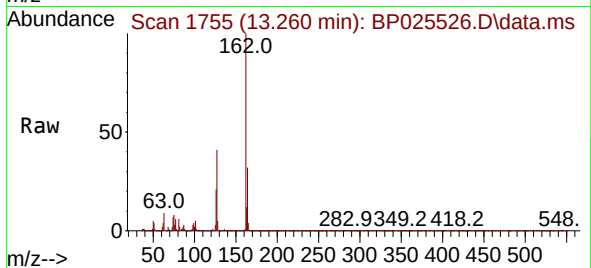
Tgt Ion:162 Resp: 1090908

Ion Ratio Lower Upper

162 100

127 41.3 33.4 50.2

164 32.3 26.2 39.2



#48

2-Nitroaniline

Concen: 42.636 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

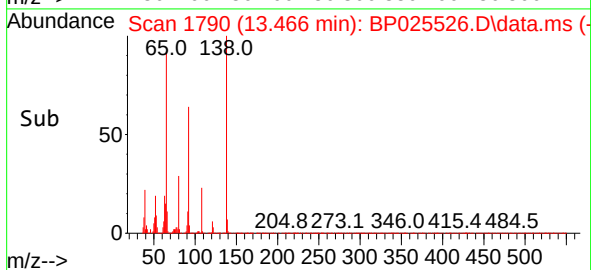
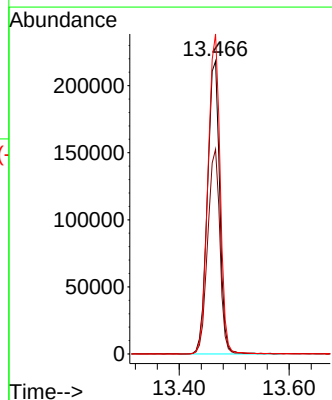
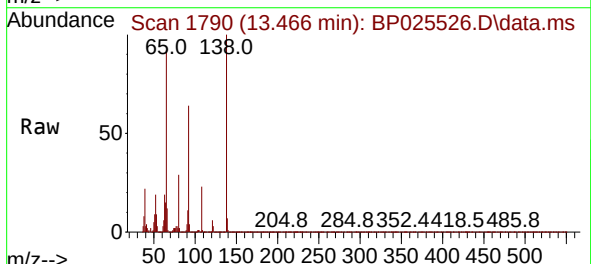
Tgt Ion: 65 Resp: 337247

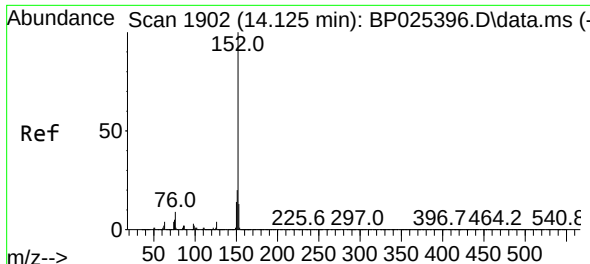
Ion Ratio Lower Upper

65 100

92 69.9 57.6 86.4

138 109.3 91.0 136.6

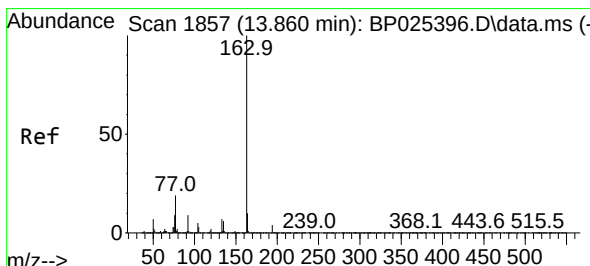
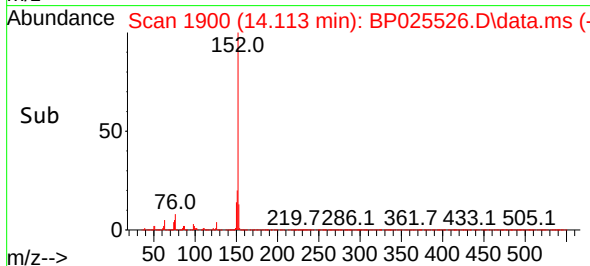
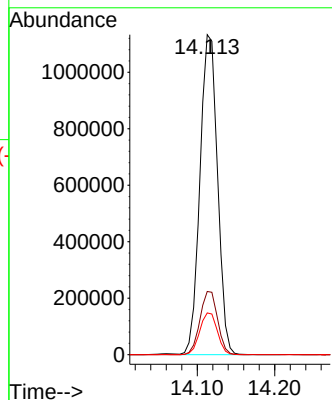
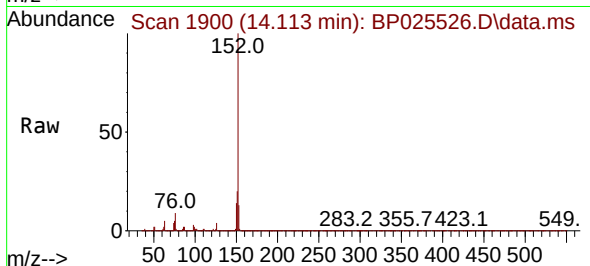




#49
Acenaphthylene
Concen: 39.644 ng
RT: 14.113 min Scan# 1902
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

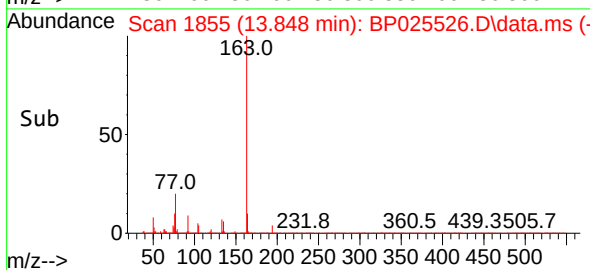
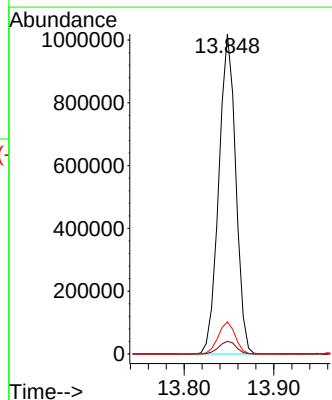
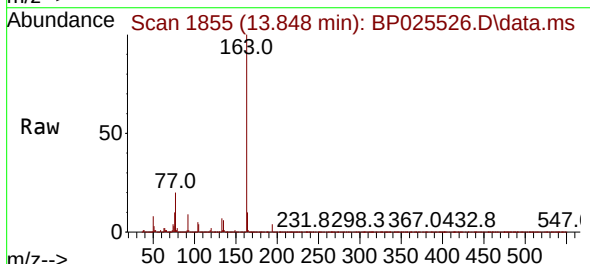
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

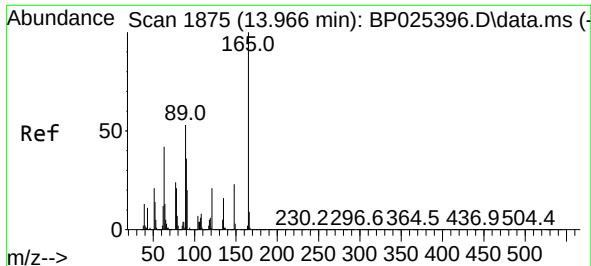
Tgt Ion:152 Resp: 1780779
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 38.020 ng
RT: 13.848 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:163 Resp: 1336804
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.1 7.9 11.9

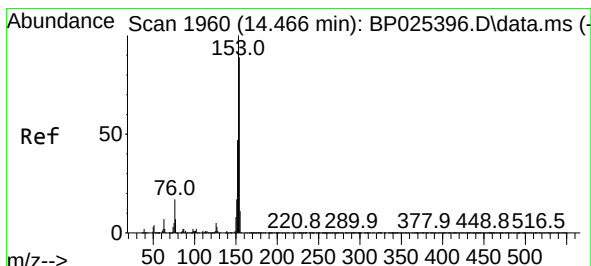
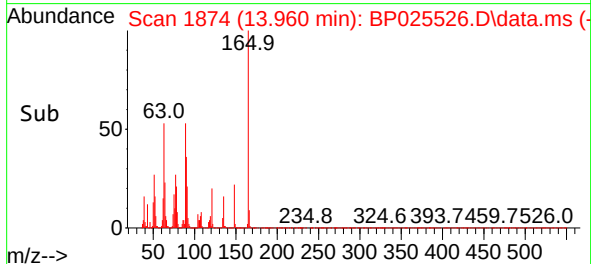
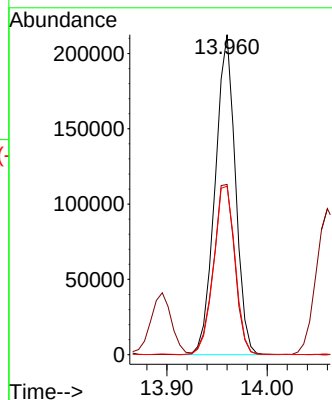
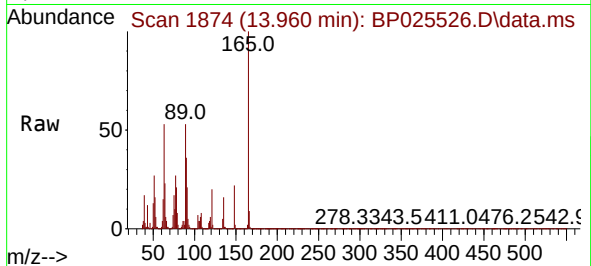




#51
2,6-Dinitrotoluene
Concen: 40.251 ng
RT: 13.960 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

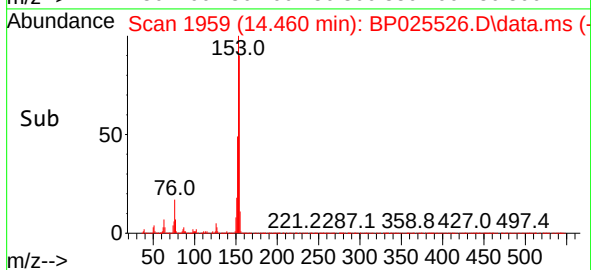
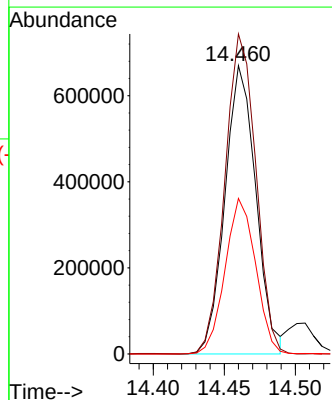
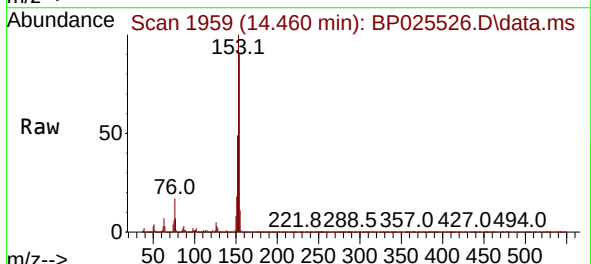
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

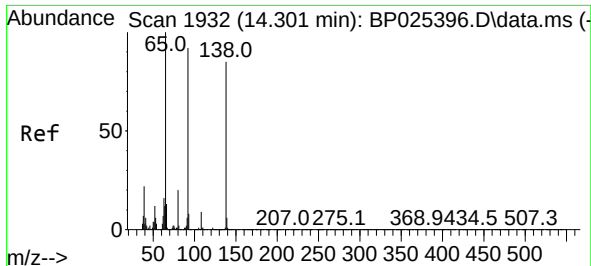
Tgt Ion:165 Resp: 298291
Ion Ratio Lower Upper
165 100
63 53.2 40.9 61.3
89 52.7 42.1 63.1



#52
Acenaphthene
Concen: 38.553 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:154 Resp: 1016517
Ion Ratio Lower Upper
154 100
153 111.0 90.2 135.2
152 54.0 42.1 63.1

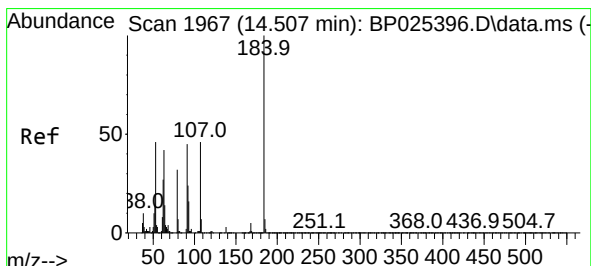
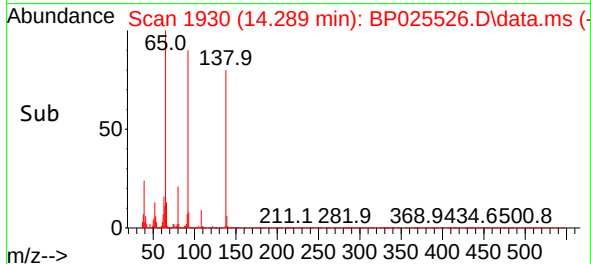
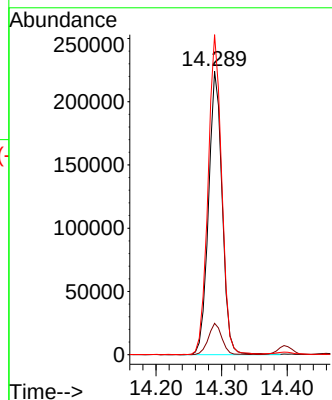
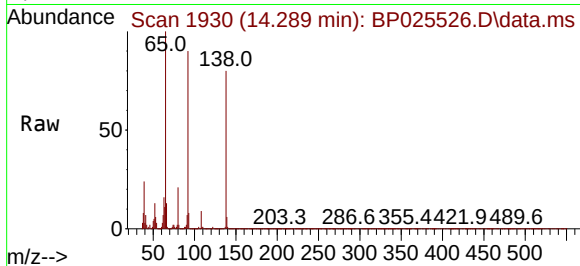




#53
3-Nitroaniline
Concen: 38.977 ng
RT: 14.289 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

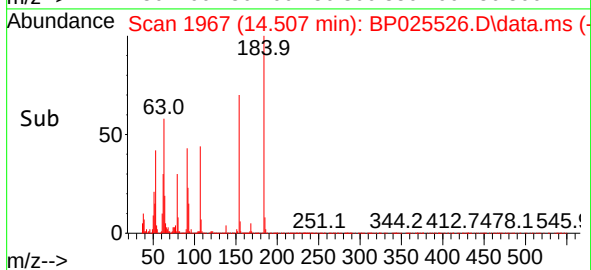
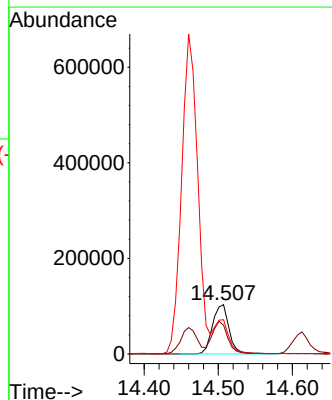
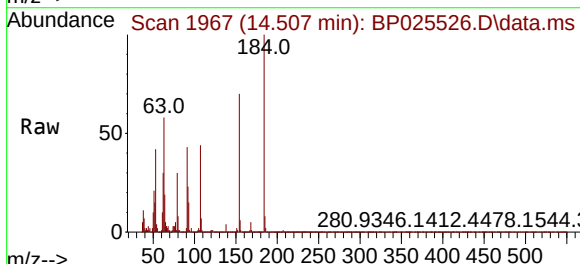
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

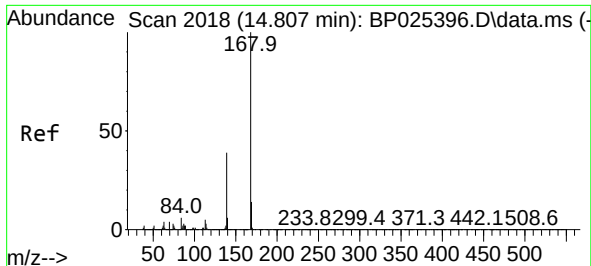
Tgt Ion:138 Resp: 324980
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 112.9 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 40.644 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:184 Resp: 160853
Ion Ratio Lower Upper
184 100
63 58.4 49.4 74.2
154 69.5 54.6 82.0

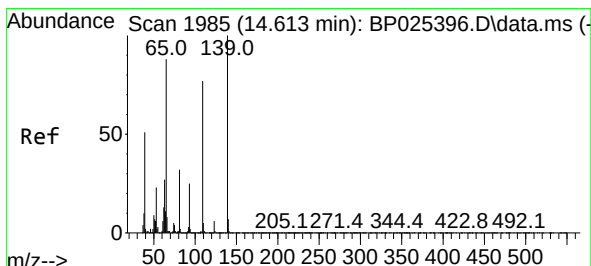
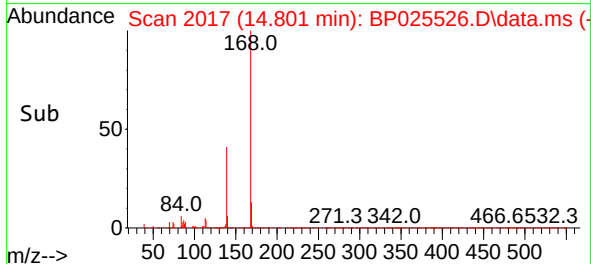
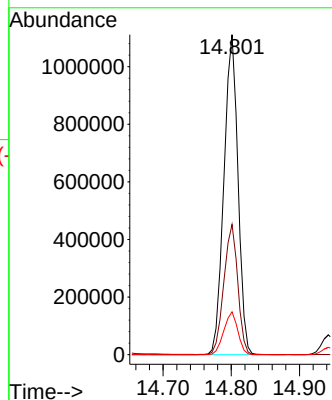
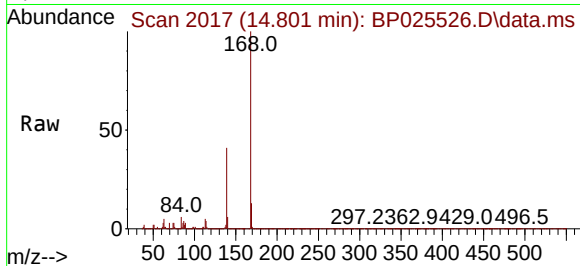




#55
Dibenzenofuran
Concen: 38.235 ng
RT: 14.801 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

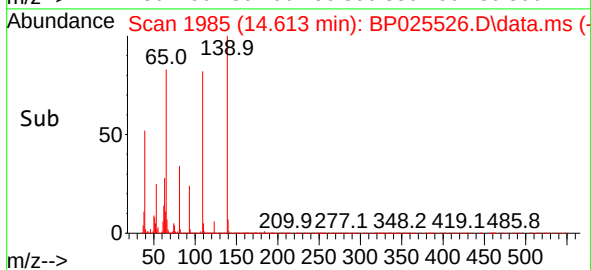
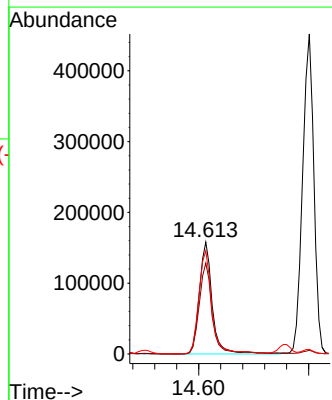
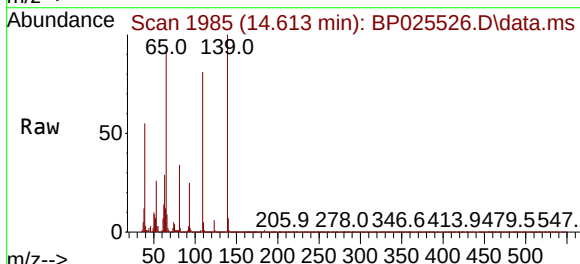
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

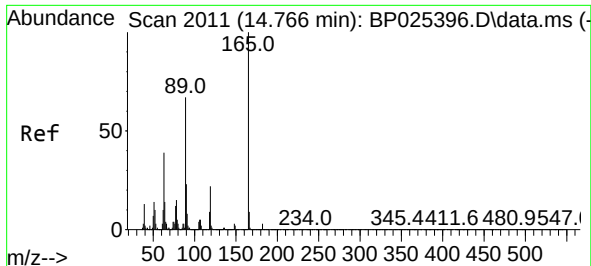
Tgt Ion:168 Resp: 1593872
Ion Ratio Lower Upper
168 100
139 40.7 31.5 47.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 37.635 ng
RT: 14.613 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:139 Resp: 257855
Ion Ratio Lower Upper
139 100
109 81.2 56.6 96.6
65 92.3 68.2 108.2

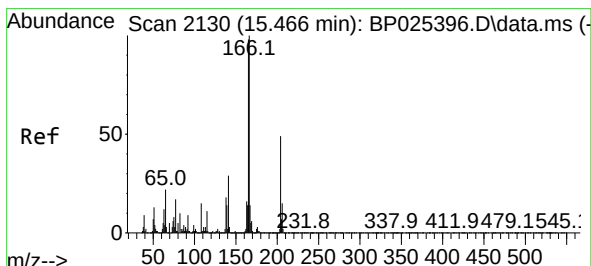
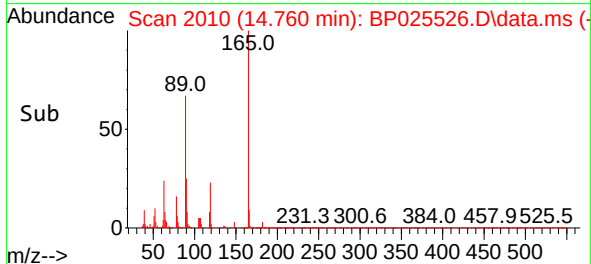
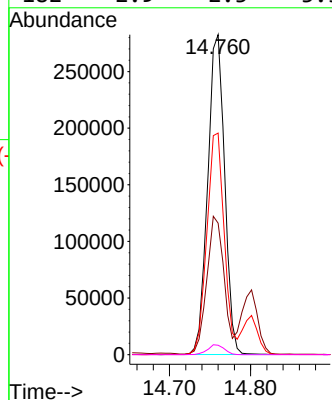
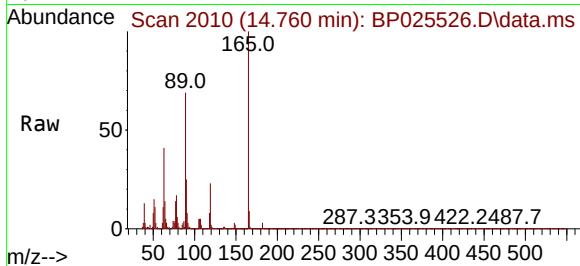




#57
2,4-Dinitrotoluene
Concen: 38.698 ng
RT: 14.760 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

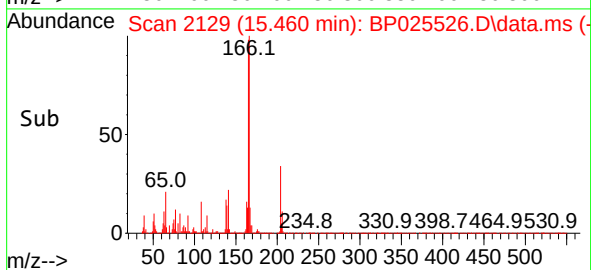
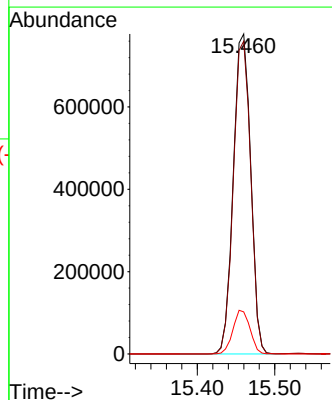
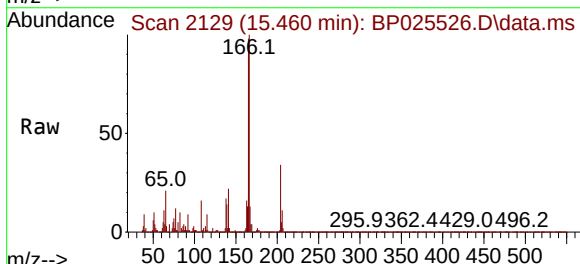
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

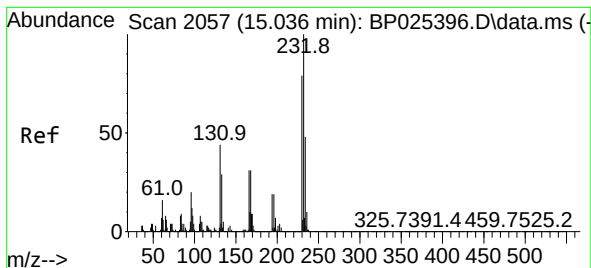
Tgt Ion:	165	Resp:	409171
Ion	Ratio	Lower	Upper
165	100		
63	41.1	31.4	47.2
89	69.3	53.3	79.9
182	2.9	2.3	3.5



#58
Fluorene
Concen: 36.973 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:	166	Resp:	1216177
Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.8	118.2
167	13.1	11.0	16.4

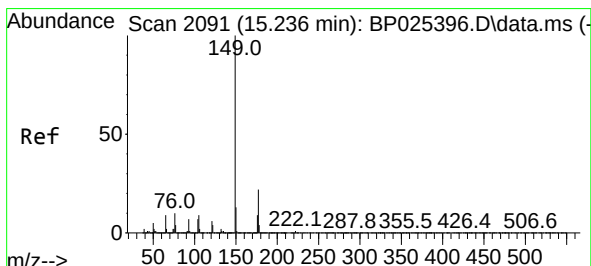
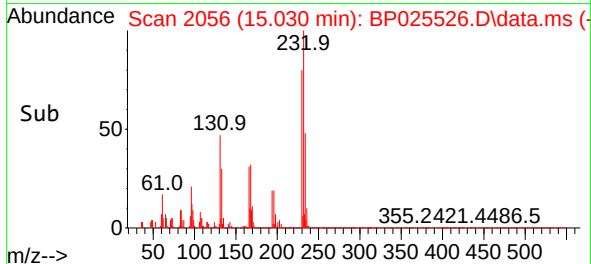
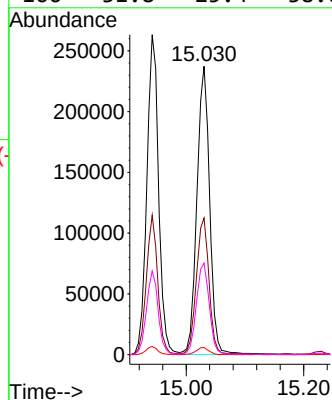
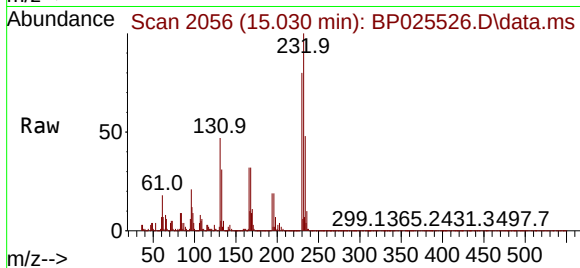




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.239 ng
RT: 15.030 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

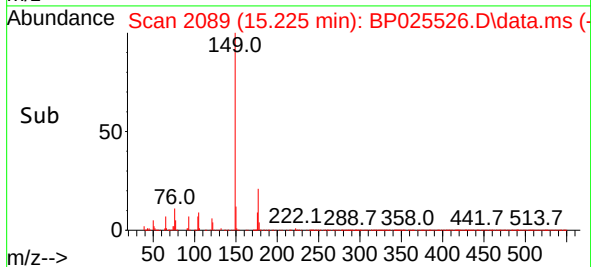
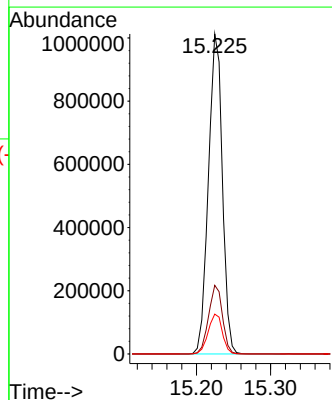
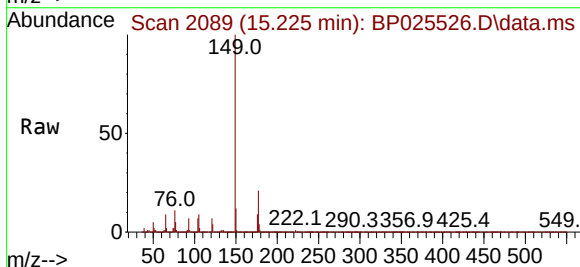
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

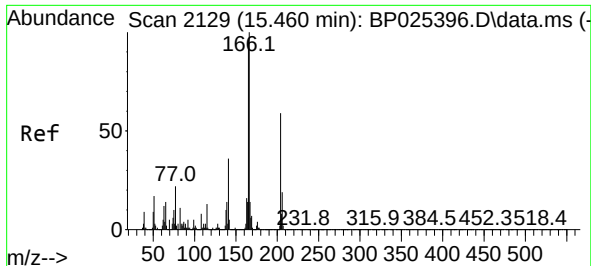
Tgt Ion:232 Resp: 355491
Ion Ratio Lower Upper
232 100
131 47.5 37.0 55.6
130 2.4 1.9 2.9
166 31.8 25.4 38.0



#60
Diethylphthalate
Concen: 37.056 ng
RT: 15.225 min Scan# 2089
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:149 Resp: 1323887
Ion Ratio Lower Upper
149 100
177 21.5 17.3 25.9
150 12.5 10.3 15.5

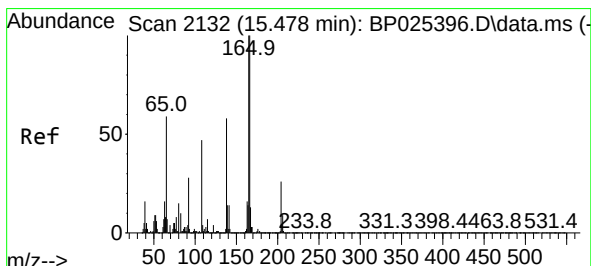
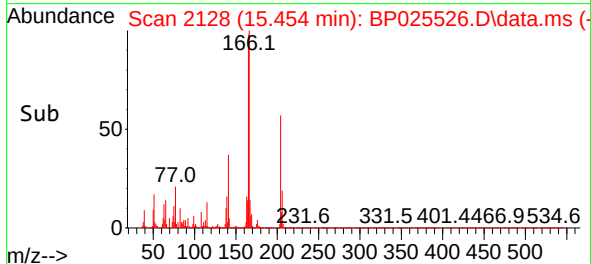
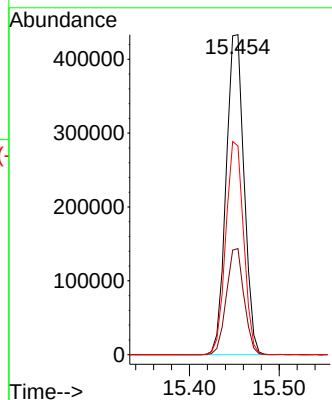
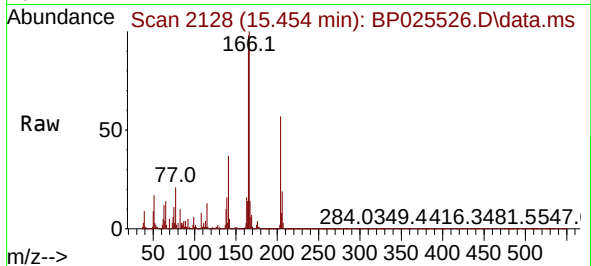




#61
4-Chlorophenyl-phenylether
Concen: 36.730 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

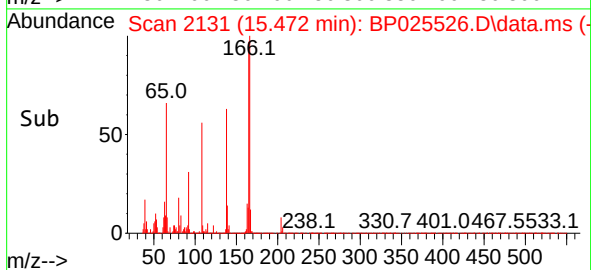
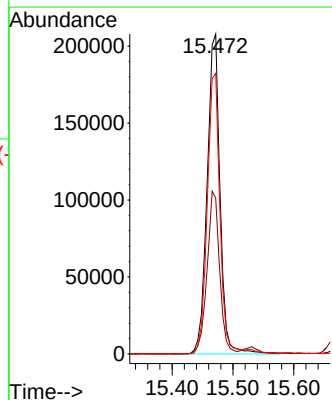
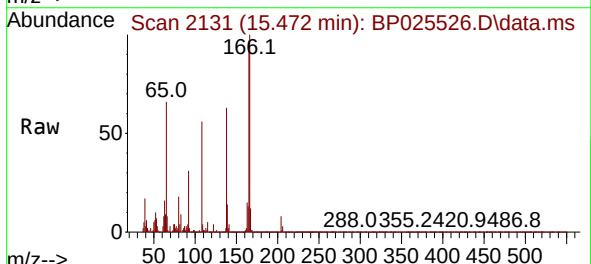
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

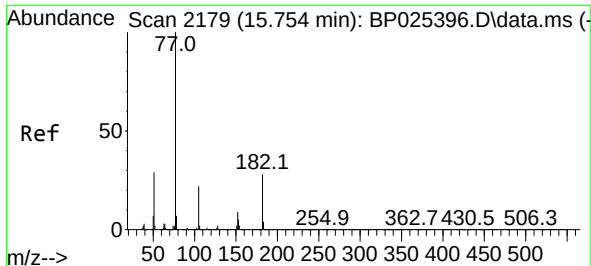
Tgt Ion:204 Resp: 600871
Ion Ratio Lower Upper
204 100
206 33.2 25.8 38.8
141 65.2 49.4 74.2



#62
4-Nitroaniline
Concen: 35.928 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:138 Resp: 307105
Ion Ratio Lower Upper
138 100
92 48.7 29.1 69.1
108 87.7 61.5 101.5



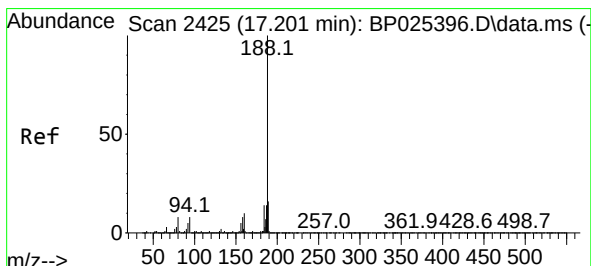
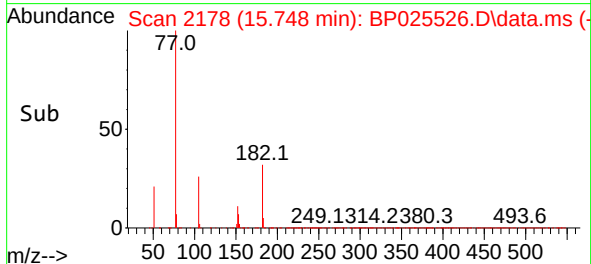
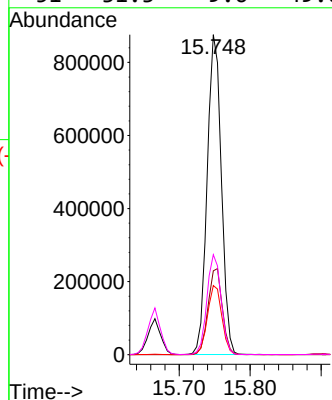
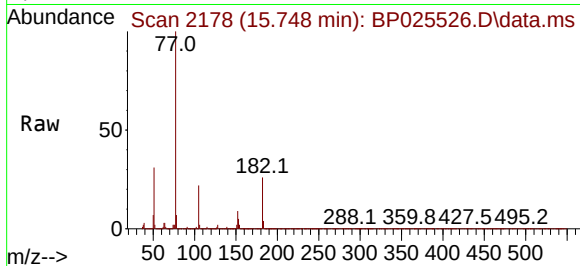


#63
Azobenzene
Concen: 39.764 ng
RT: 15.748 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1216437

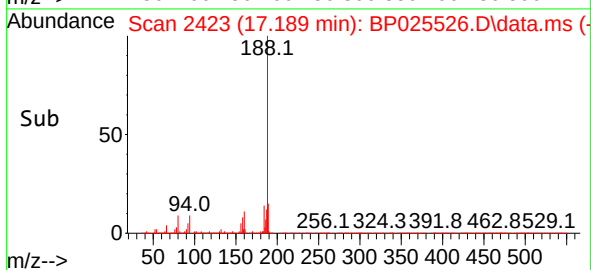
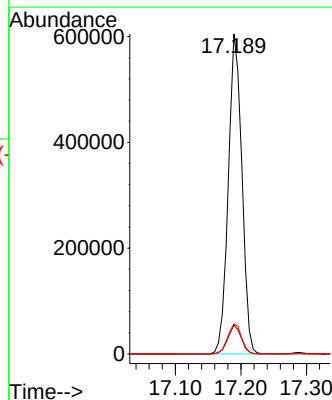
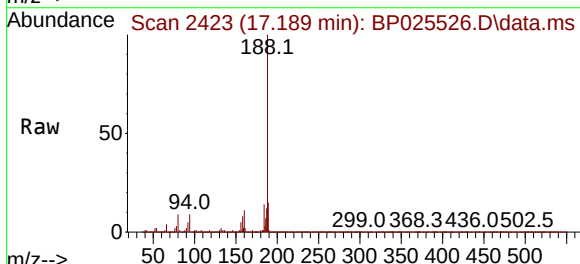
Ion	Ratio	Lower	Upper
77	100		
182	26.2	7.5	47.5
105	21.6	2.1	42.1
51	31.3	9.6	49.6

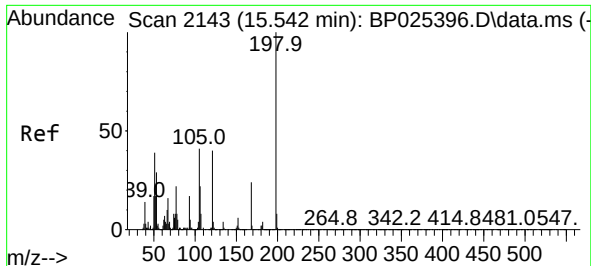


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 188 Resp: 869173

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.4	6.7	10.1

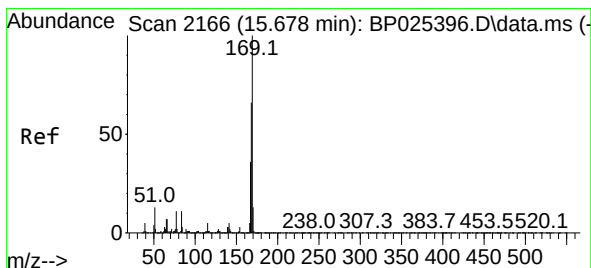
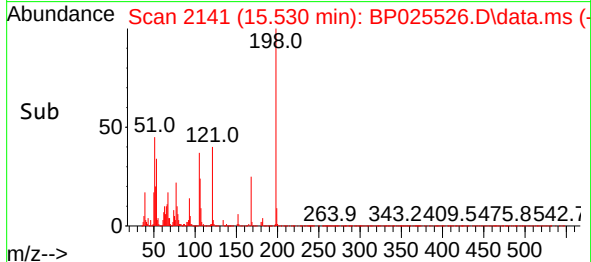
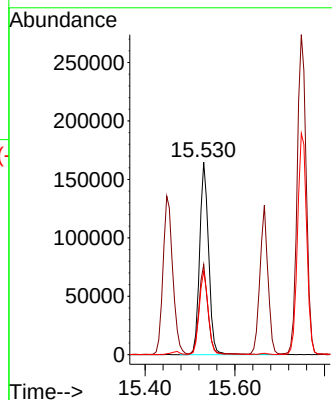
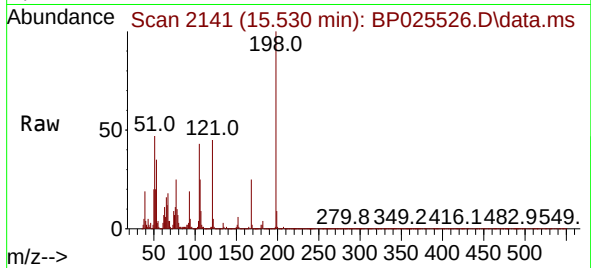




#65
4,6-Dinitro-2-methylphenol
Concen: 42.016 ng
RT: 15.530 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

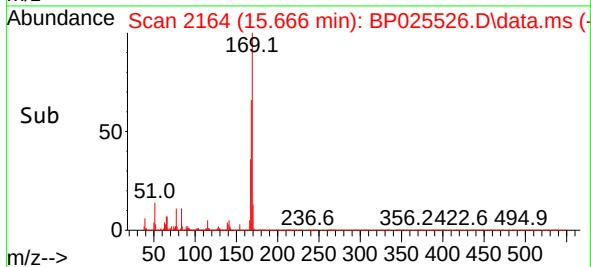
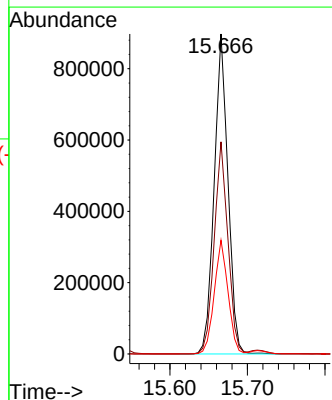
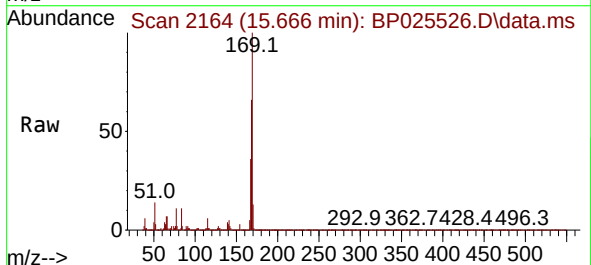
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

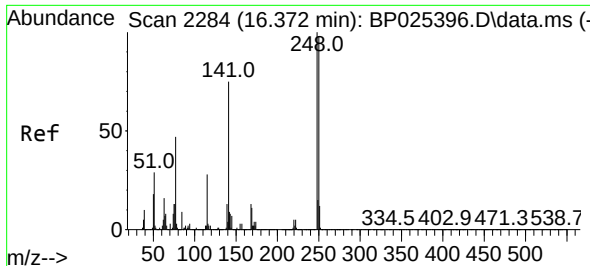
Tgt Ion:198 Resp: 227645
Ion Ratio Lower Upper
198 100
51 46.8 19.6 59.6
105 43.4 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 41.848 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:169 Resp: 1109160
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 35.6 28.7 43.1

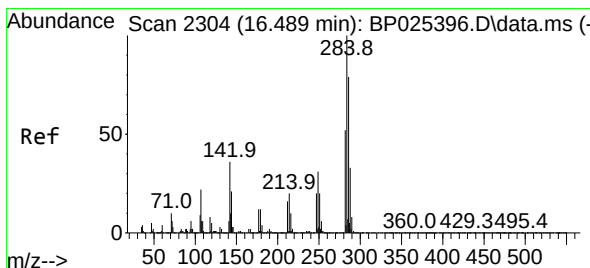
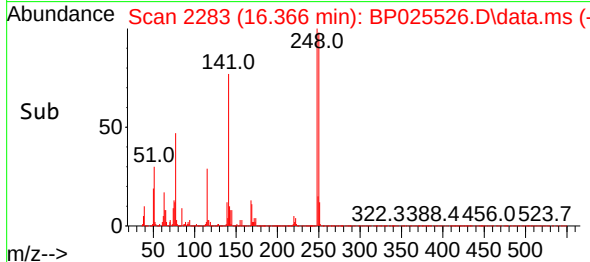
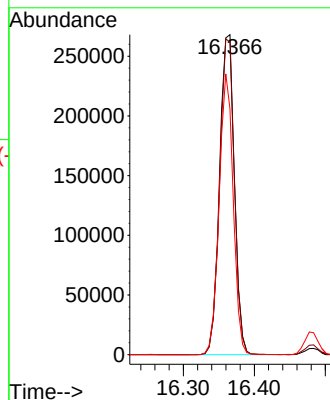
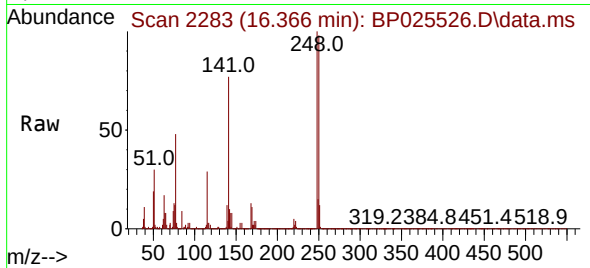




#67
4-Bromophenyl-phenylether
Concen: 40.652 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

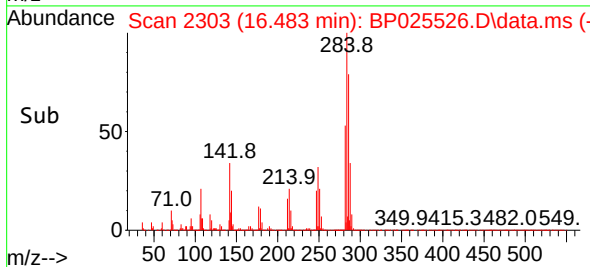
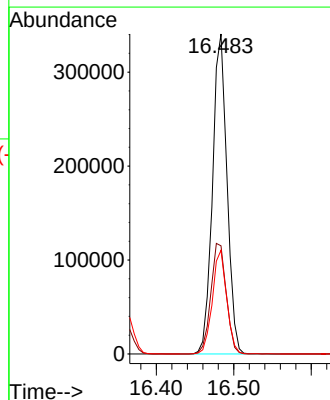
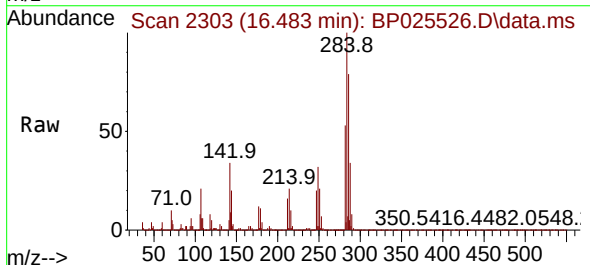
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

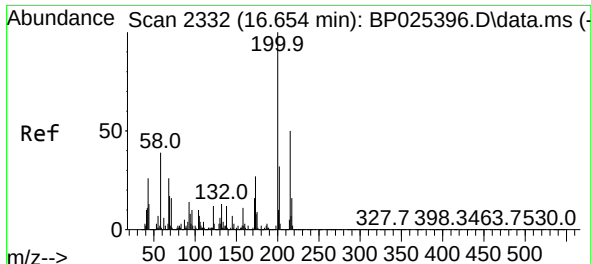
Tgt Ion:248 Resp: 388602
Ion Ratio Lower Upper
248 100
250 97.6 78.2 117.2
141 76.8 59.6 89.4



#68
Hexachlorobenzene
Concen: 39.912 ng
RT: 16.483 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:284 Resp: 442271
Ion Ratio Lower Upper
284 100
142 33.8 29.1 43.7
249 32.4 25.0 37.4

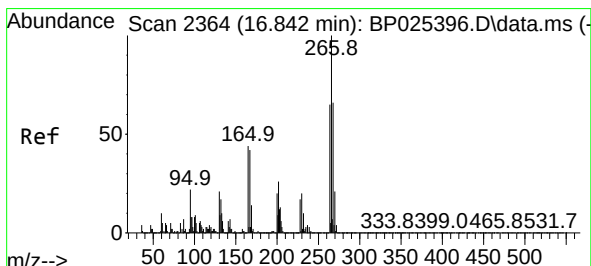
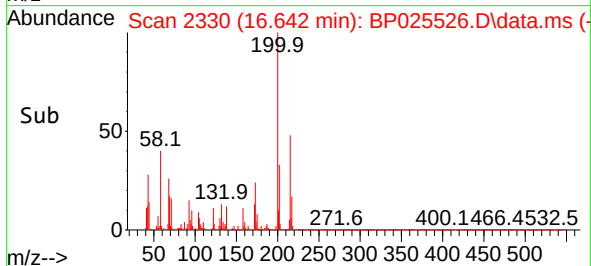
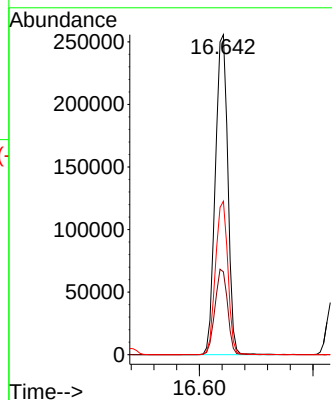
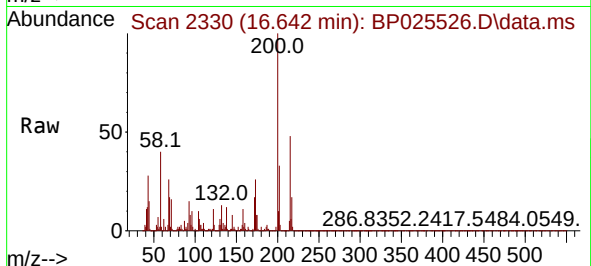




#69
Atrazine
Concen: 39.190 ng
RT: 16.642 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

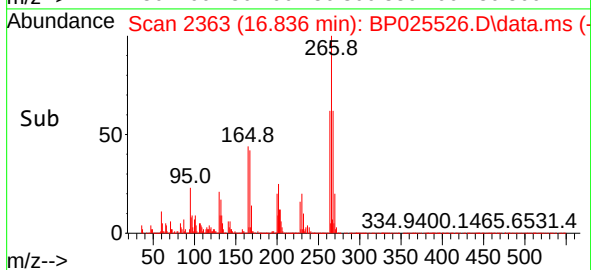
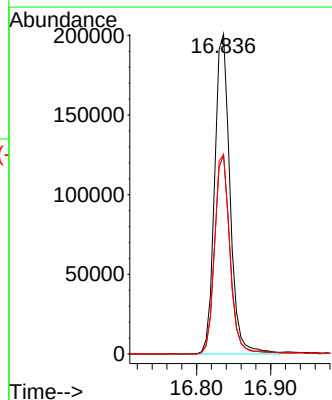
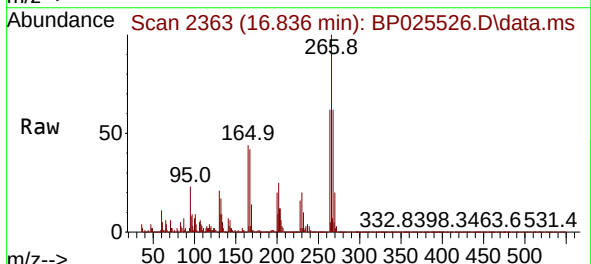
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

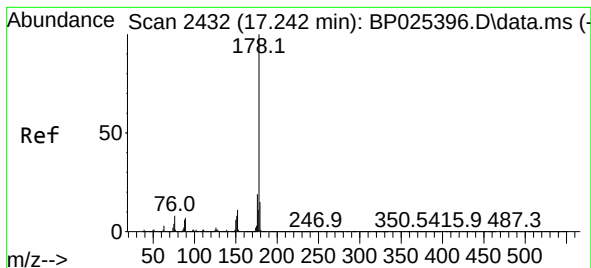
Tgt Ion:200 Resp: 388998
Ion Ratio Lower Upper
200 100
173 25.9 6.7 46.7
215 48.0 29.7 69.7



#70
Pentachlorophenol
Concen: 41.242 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:266 Resp: 288486
Ion Ratio Lower Upper
266 100
268 62.2 52.6 79.0
264 62.3 52.0 78.0





#71

Phenanthrene

Concen: 38.791 ng

RT: 17.230 min Scan# 2432

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

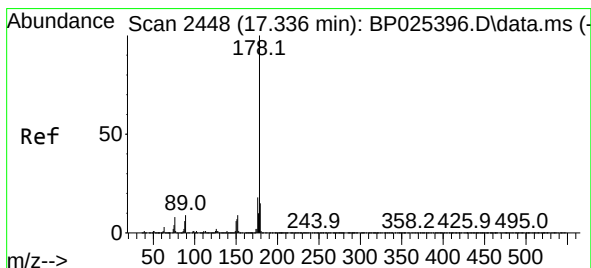
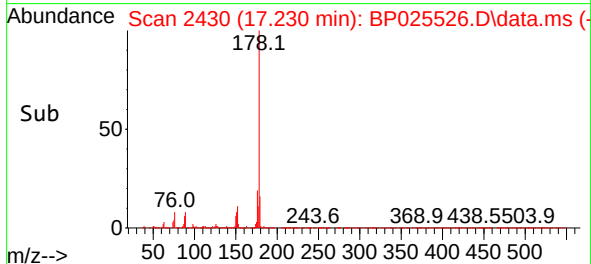
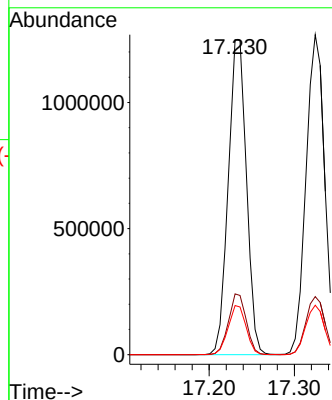
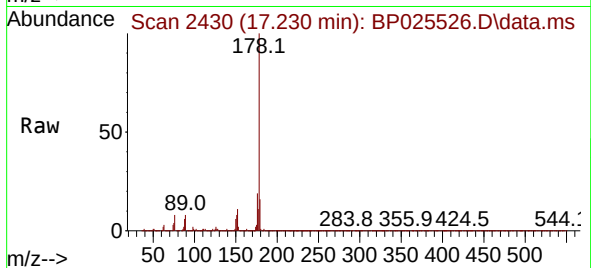
Tgt Ion:178 Resp: 1852149

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.6 12.2 18.4



#72

Anthracene

Concen: 39.524 ng

RT: 17.324 min Scan# 2446

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

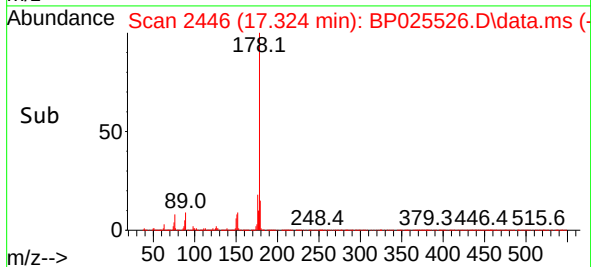
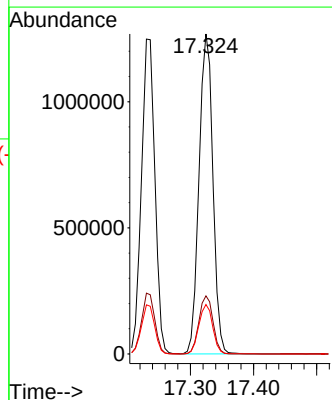
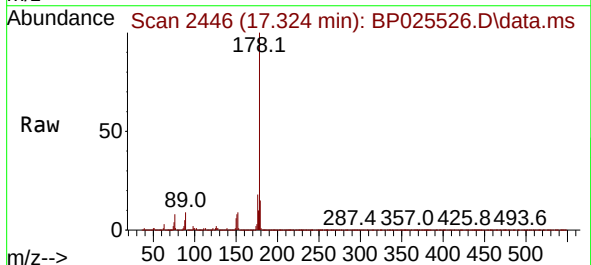
Tgt Ion:178 Resp: 1927125

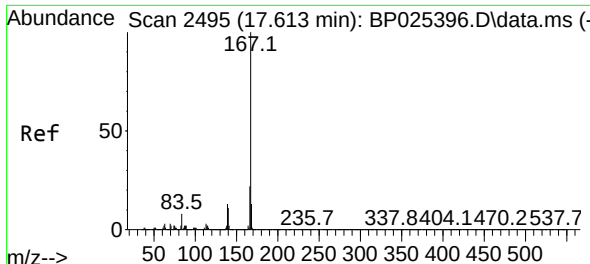
Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 15.4 12.2 18.2

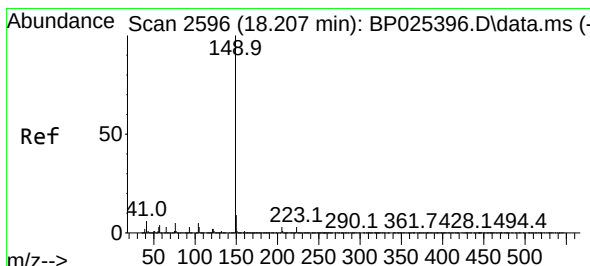
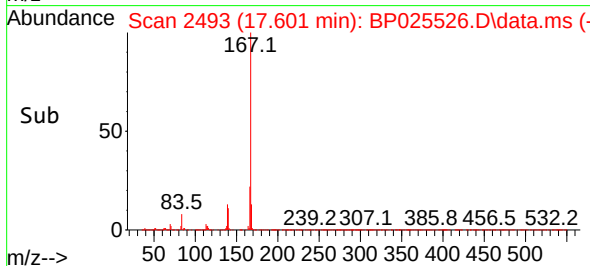
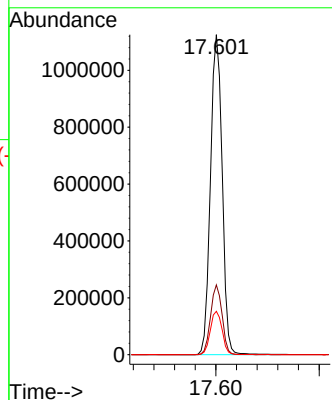
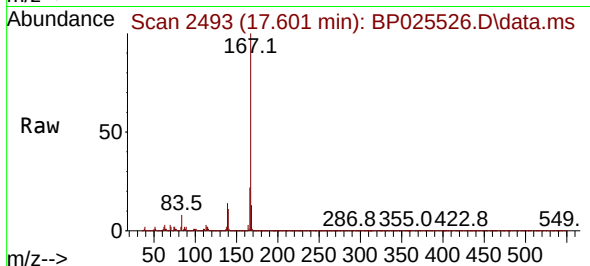




#73
 Carbazole
 Concen: 38.481 ng
 RT: 17.601 min Scan# 2493
 Delta R.T. -0.012 min
 Lab File: BP025526.D
 Acq: 21 Aug 2025 03:59

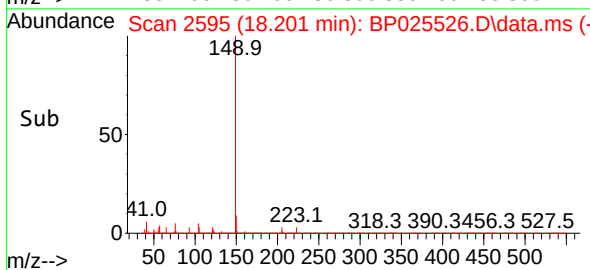
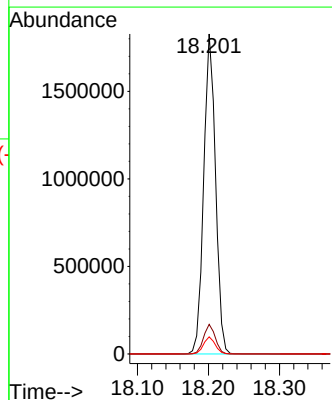
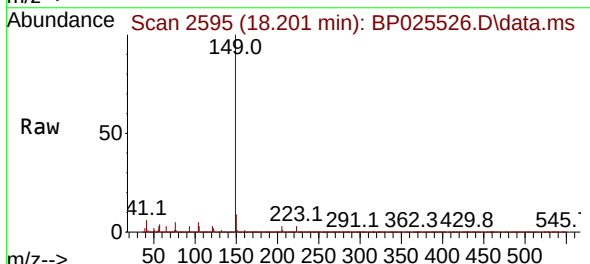
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

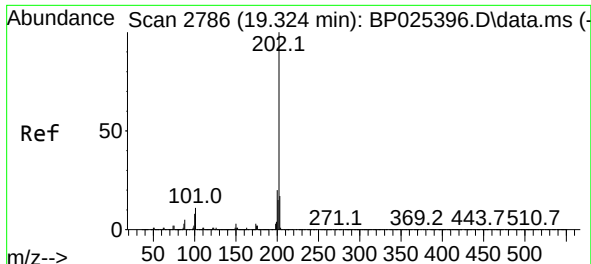
Tgt Ion:167 Resp: 1767299
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.5 26.3
 139 13.5 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 37.487 ng
 RT: 18.201 min Scan# 2595
 Delta R.T. -0.006 min
 Lab File: BP025526.D
 Acq: 21 Aug 2025 03:59

Tgt Ion:149 Resp: 2118222
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 5.4 4.2 6.2

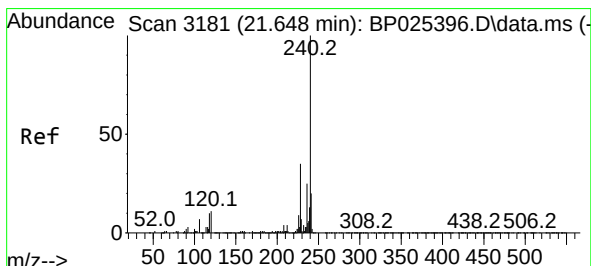
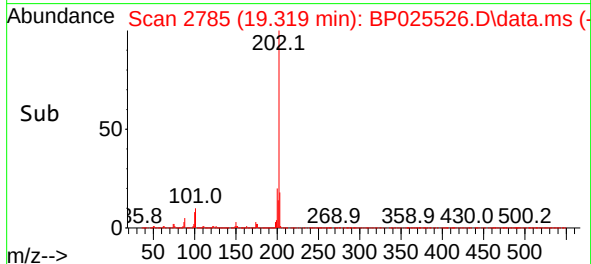
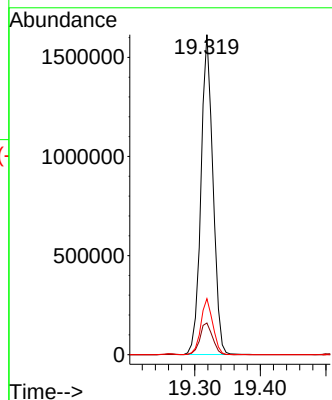
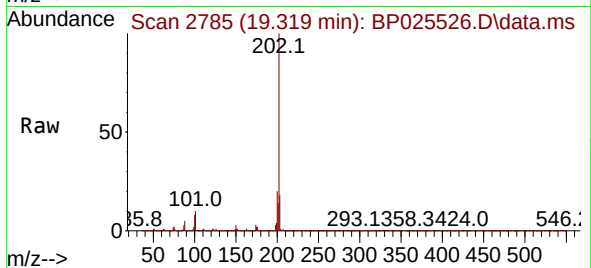




#75
Fluoranthene
Concen: 36.116 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

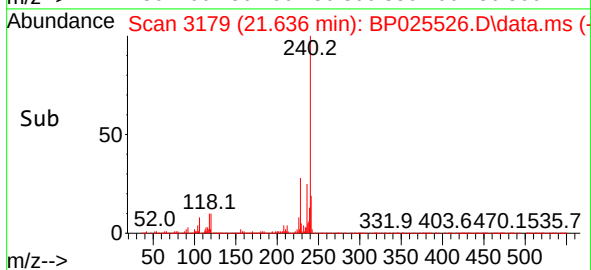
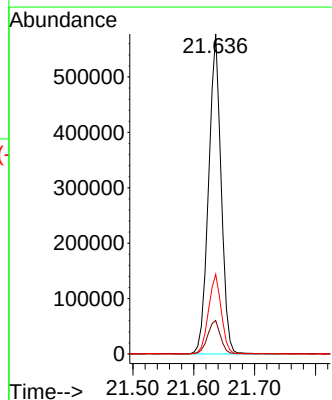
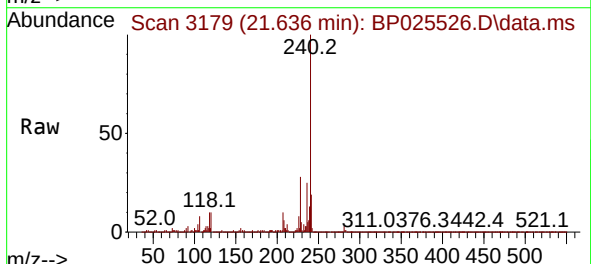
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

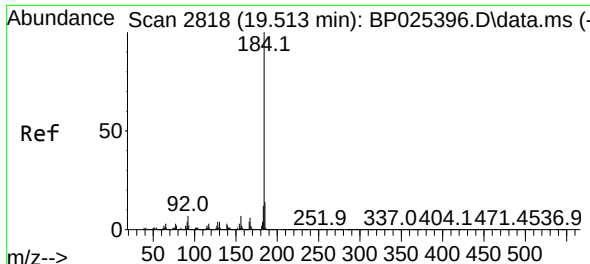
Tgt Ion:202 Resp: 2056945
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:240 Resp: 823541
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 24.9 19.8 29.8

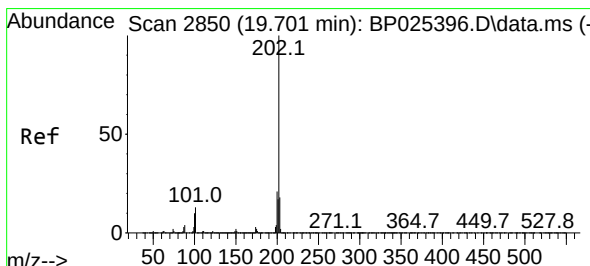
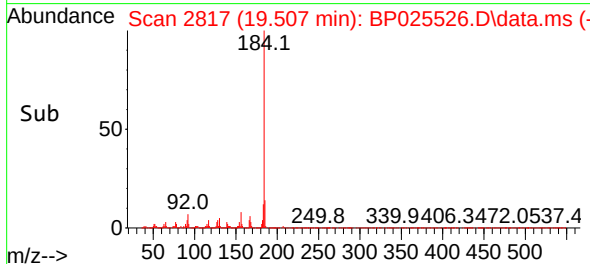
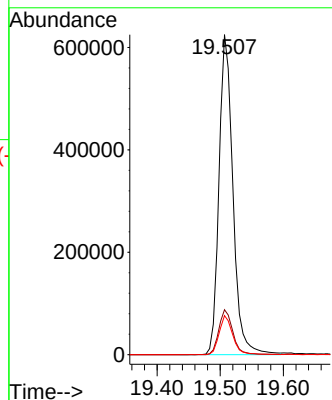
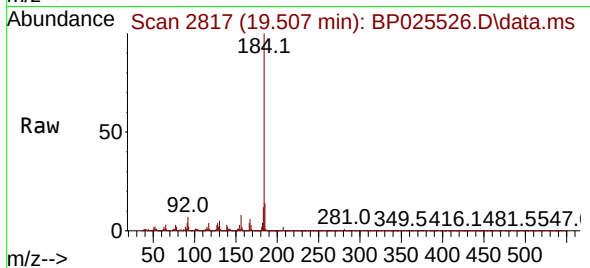




#77
Benzidine
Concen: 34.006 ng
RT: 19.507 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

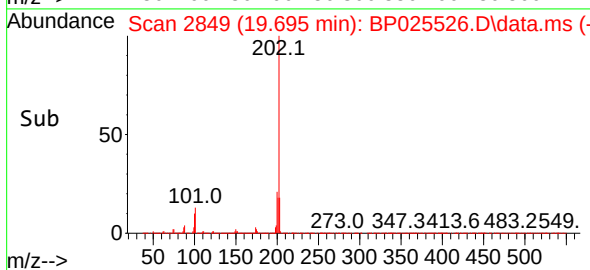
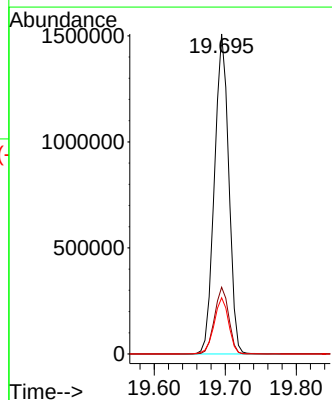
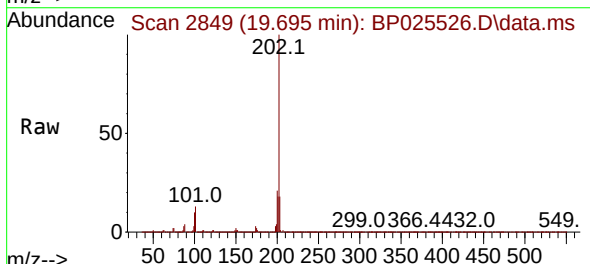
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

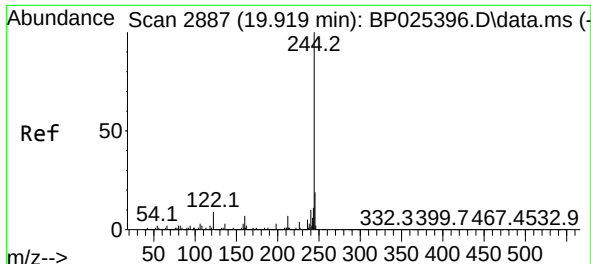
Tgt Ion:184 Resp: 955775
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 12.2 9.4 14.2



#78
Pyrene
Concen: 39.495 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:202 Resp: 2114083
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.5 14.2 21.2

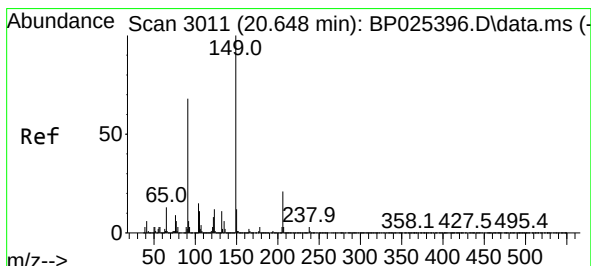
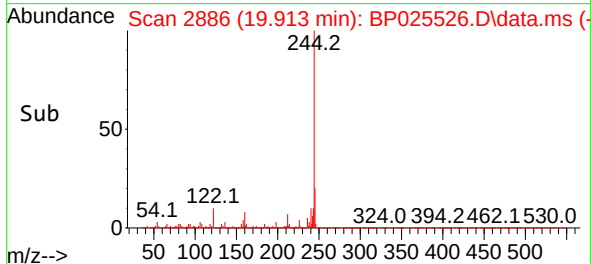
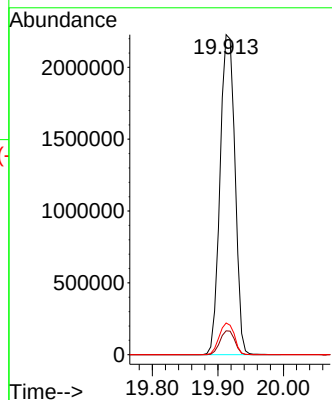
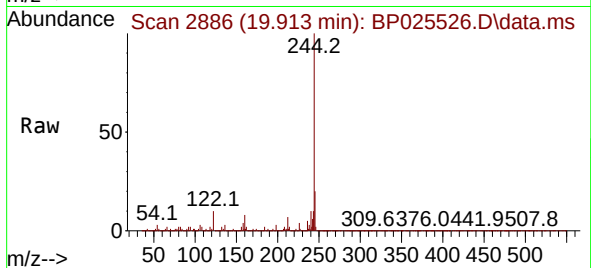




#79
 Terphenyl-d14
 Concen: 77.871 ng
 RT: 19.913 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP025526.D
 Acq: 21 Aug 2025 03:59

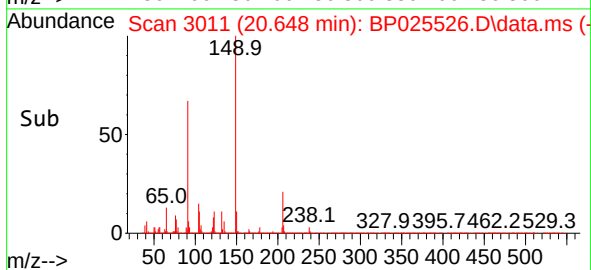
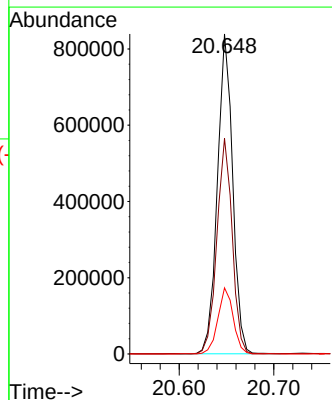
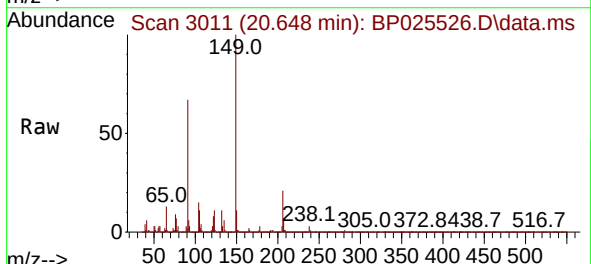
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

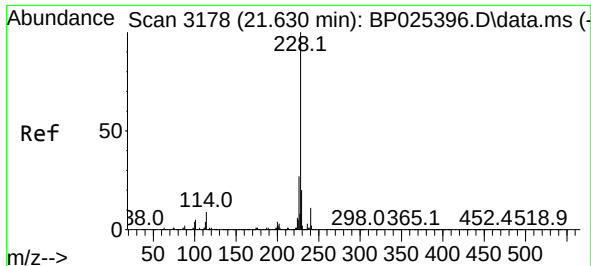
Tgt Ion:244 Resp: 3505178
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 9.9 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 38.610 ng
 RT: 20.648 min Scan# 3011
 Delta R.T. -0.000 min
 Lab File: BP025526.D
 Acq: 21 Aug 2025 03:59

Tgt Ion:149 Resp: 936663
 Ion Ratio Lower Upper
 149 100
 91 67.3 54.2 81.2
 206 20.7 16.6 24.8

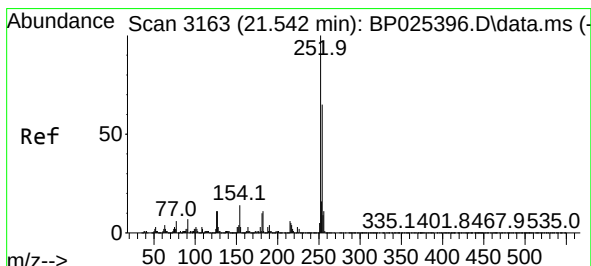
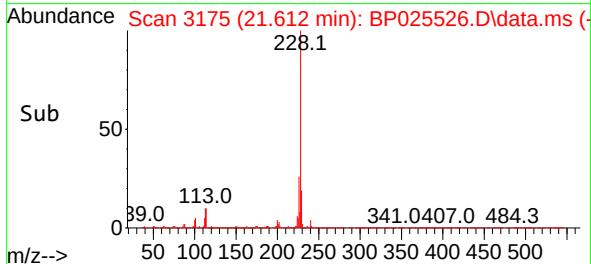
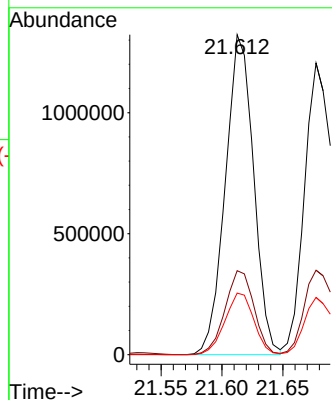
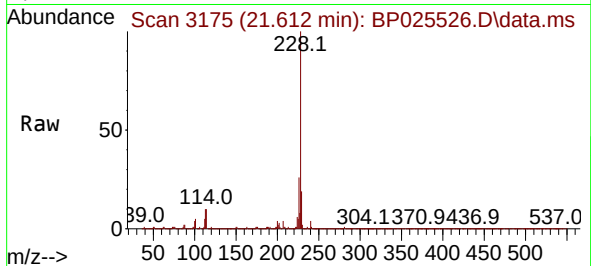




#81
Benzo(a)anthracene
Concen: 39.296 ng
RT: 21.612 min Scan# 3175
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

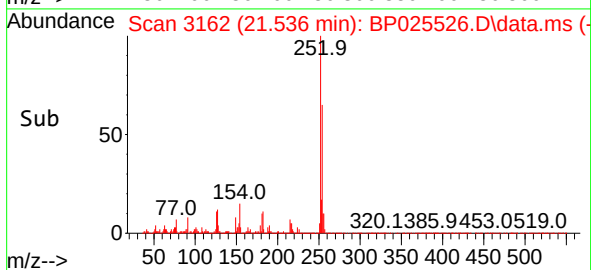
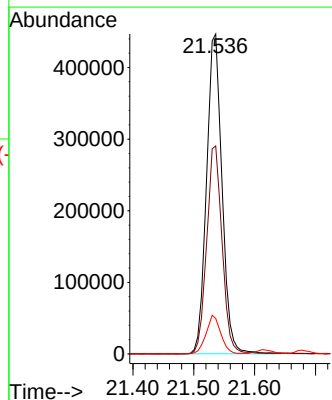
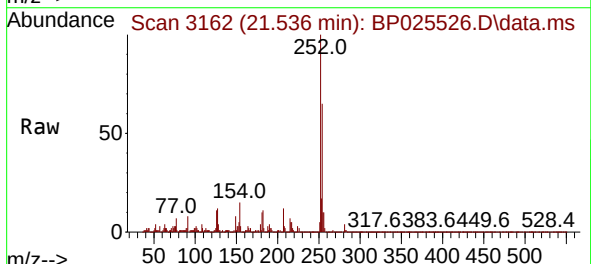
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

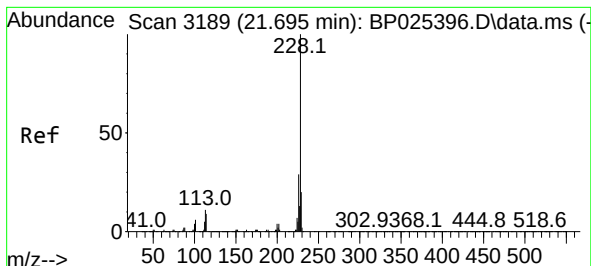
Tgt Ion:228 Resp: 2134261
Ion Ratio Lower Upper
228 100
226 26.3 21.7 32.5
229 19.3 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 38.576 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:252 Resp: 789715
Ion Ratio Lower Upper
252 100
254 65.0 51.8 77.6
126 11.1 9.1 13.7





#83

Chrysene

Concen: 39.179 ng

RT: 21.677 min Scan# 3189

Delta R.T. -0.018 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

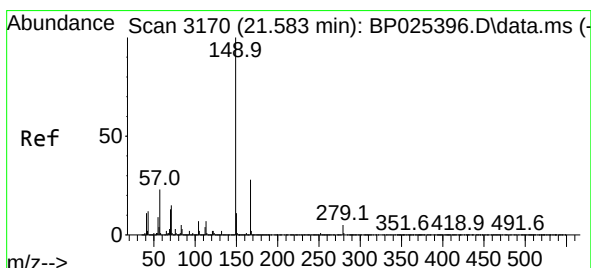
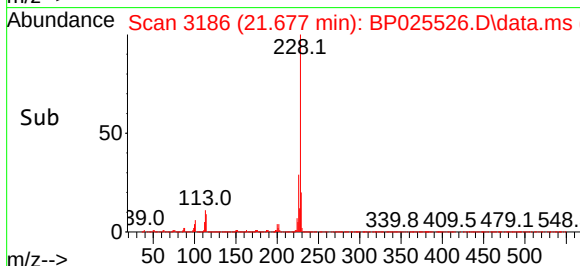
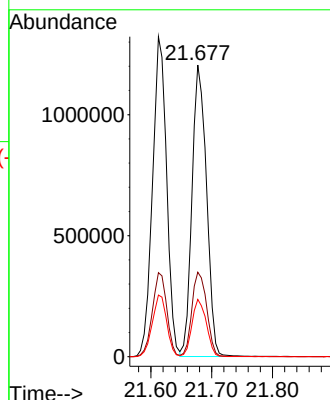
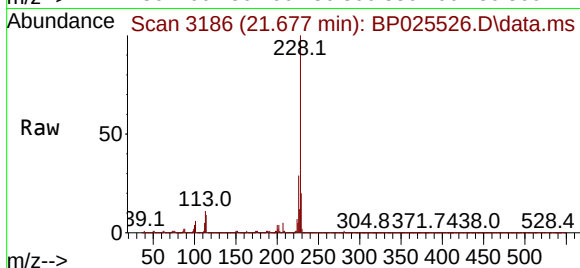
Tgt Ion:228 Resp: 1992794

Ion Ratio Lower Upper

228 100

226 29.0 23.2 34.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.334 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.024 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

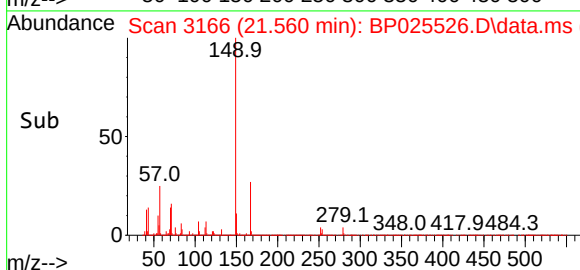
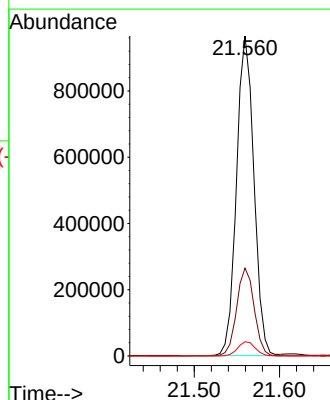
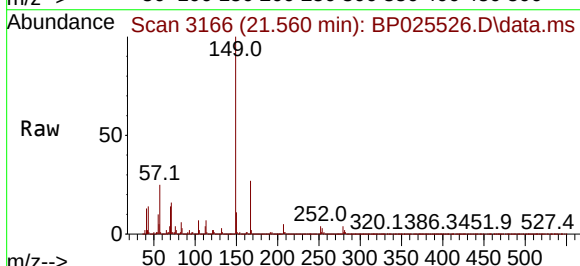
Tgt Ion:149 Resp: 1368948

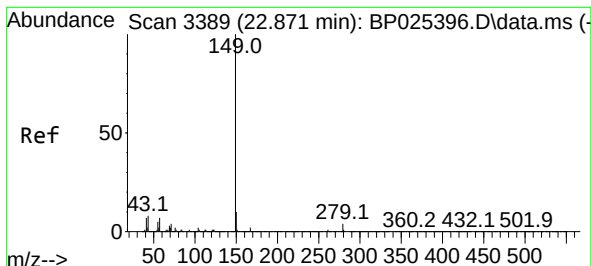
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

279 4.5 3.8 5.6

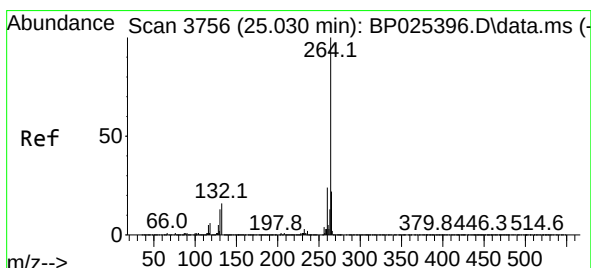
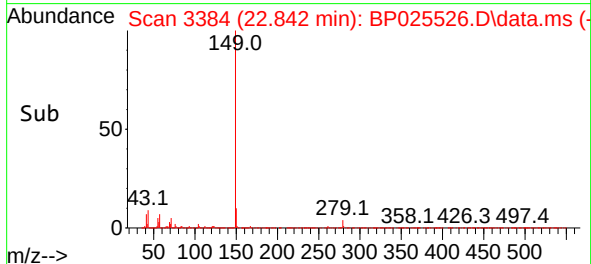
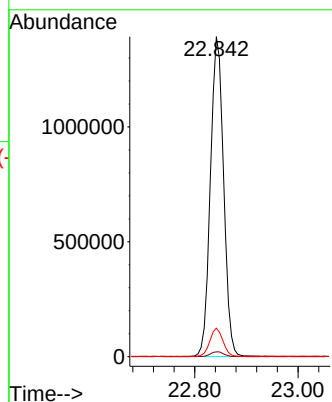
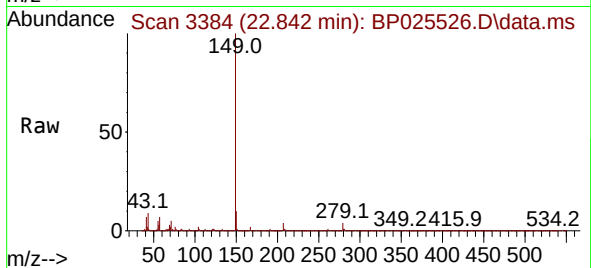




#85
Di-n-octyl phthalate
Concen: 40.160 ng
RT: 22.842 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

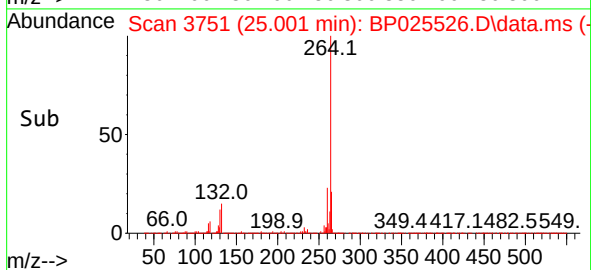
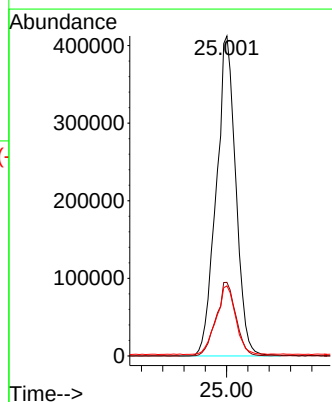
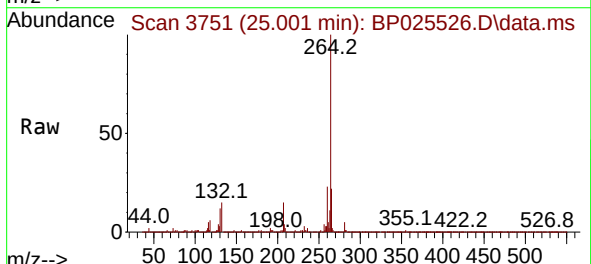
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

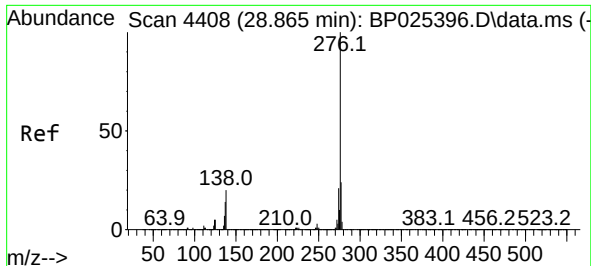
Tgt Ion:149 Resp: 2466831
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.7 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:264 Resp: 1048104
Ion Ratio Lower Upper
264 100
260 23.0 19.3 28.9
265 21.9 17.4 26.0

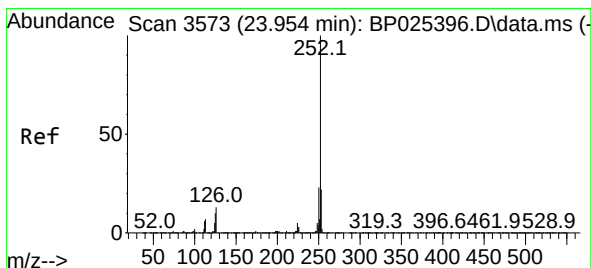
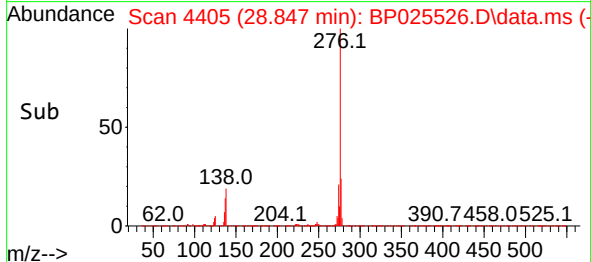
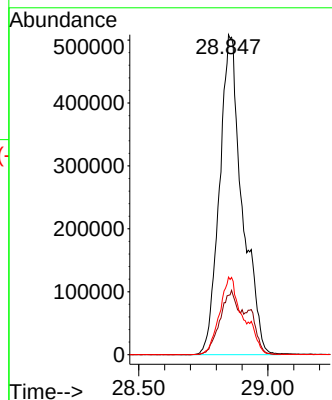
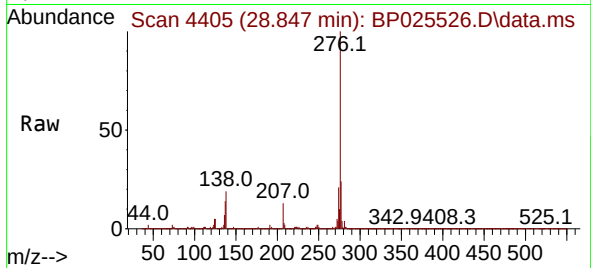




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.446 ng
RT: 28.847 min Scan# 4408
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

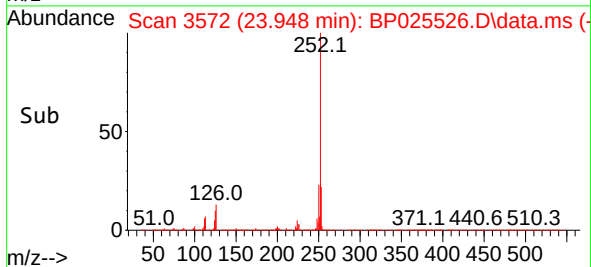
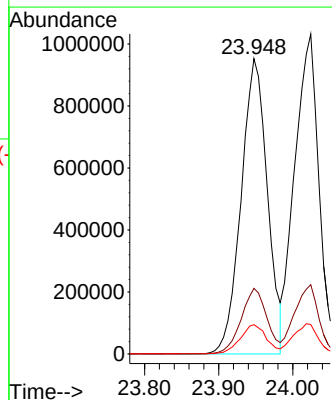
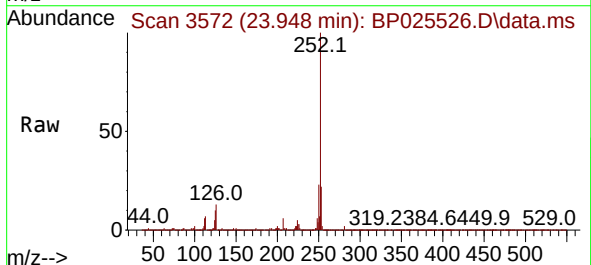
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

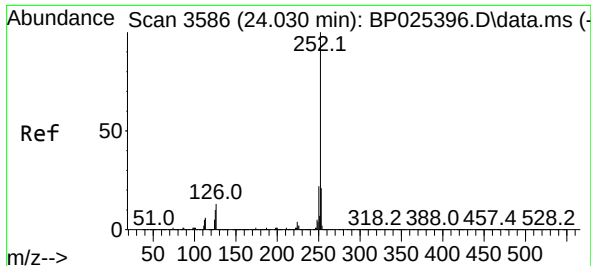
Tgt Ion:276 Resp: 3108816
Ion Ratio Lower Upper
276 100
138 17.4 12.9 19.3
277 21.5 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 37.901 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:252 Resp: 2342446
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 9.9 7.9 11.9

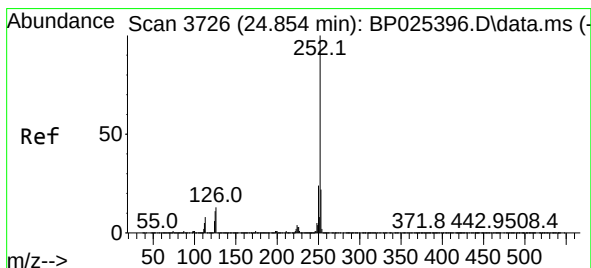
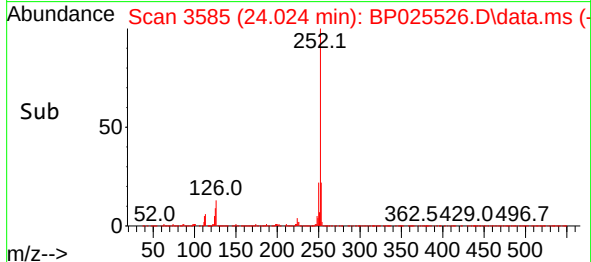
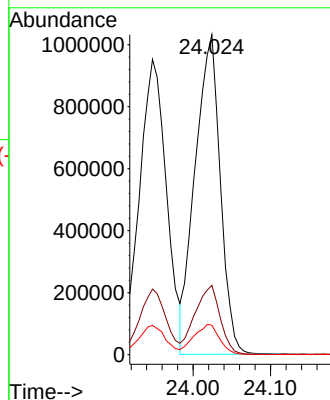
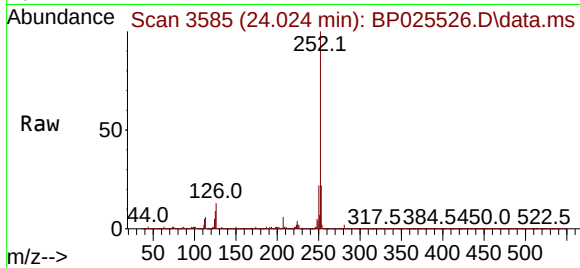




#89
Benzo(k)fluoranthene
Concen: 37.602 ng
RT: 24.024 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

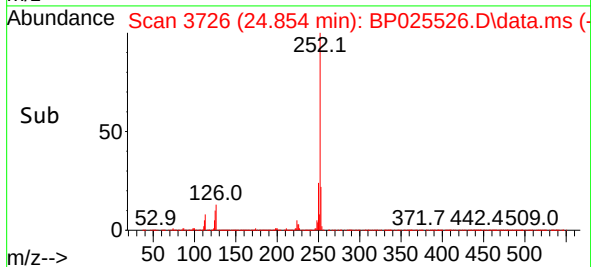
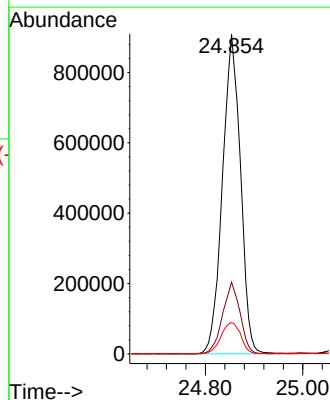
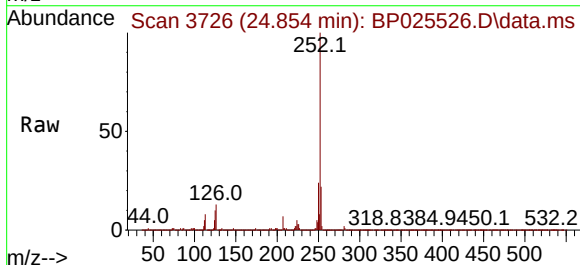
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

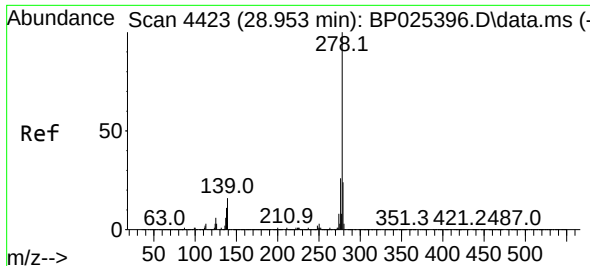
Tgt Ion:252 Resp: 2325553
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 9.2 7.8 11.6



#90
Benzo(a)pyrene
Concen: 38.843 ng
RT: 24.854 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:252 Resp: 2336844
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 9.8 8.7 13.1

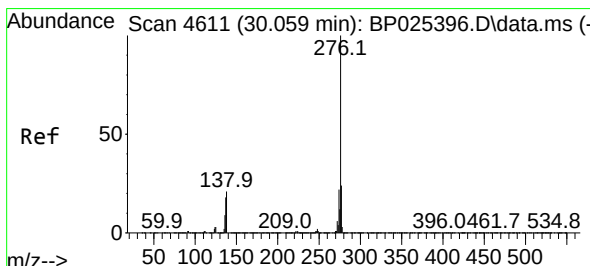
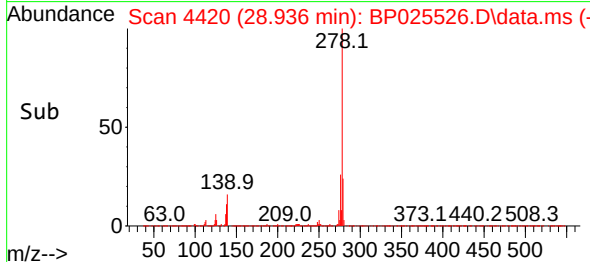
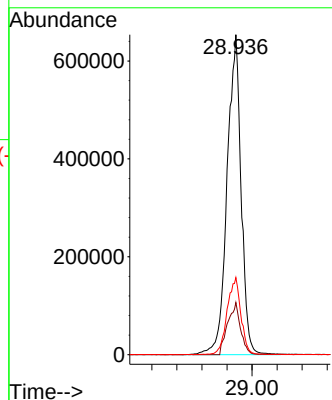
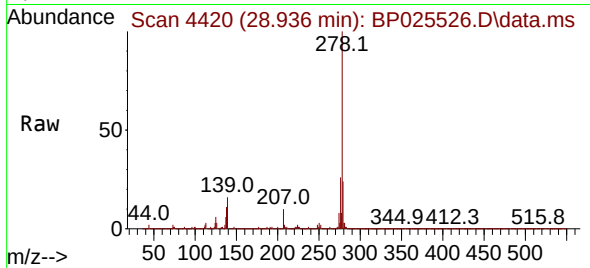




#91
Dibenzo(a,h)anthracene
Concen: 40.400 ng
RT: 28.936 min Scan# 4423
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

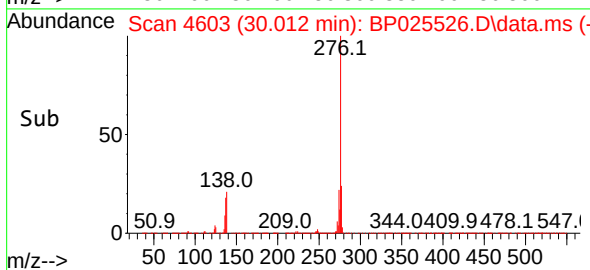
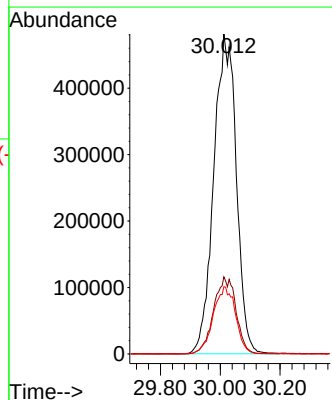
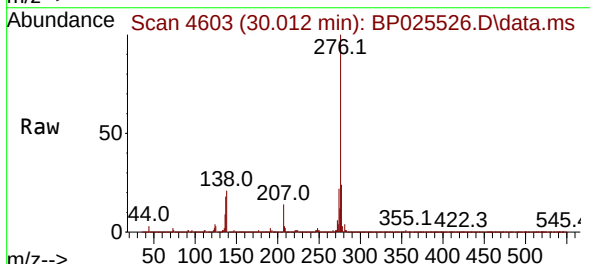
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2537691
Ion Ratio Lower Upper
278 100
139 16.3 13.0 19.4
279 24.1 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 40.739 ng
RT: 30.012 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:276 Resp: 2515443
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.0
138 21.0 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	-0.01
2	1,4-Dioxane	0.472	0.469	0.6	128	0.00
3	Pyridine	1.291	1.257	2.6	125	0.00
4	n-Nitrosodimethylamine	0.532	0.585	-10.0	139	0.00
5 S	2-Fluorophenol	1.204	1.216	-1.0	127	0.00
6	Aniline	2.080	2.061	0.9	124	0.00
7 S	Phenol-d6	1.544	1.547	-0.2	124	0.00
8	2-Chlorophenol	1.359	1.350	0.7	125	0.00
9	Benzaldehyde	1.082	1.290	-19.2	115	0.00
10 C	Phenol	1.620	1.613	0.4	125	0.00
11	bis(2-Chloroethyl)ether	1.263	1.261	0.2	126	0.00
12	1,3-Dichlorobenzene	1.499	1.485	0.9	125	0.00
13 C	1,4-Dichlorobenzene	1.532	1.500	2.1	124	-0.01
14	1,2-Dichlorobenzene	1.483	1.433	3.4	122	0.00
15	Benzyl Alcohol	1.227	1.227	0.0	125	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.733	-2.4	130	0.00
17	2-Methylphenol	1.125	1.122	0.3	123	0.00
18	Hexachloroethane	0.563	0.559	0.7	125	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	0.976	4.6	120	0.00
20	3+4-Methylphenols	1.560	1.505	3.5	120	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	117	0.00
22	Acetophenone	0.502	0.499	0.6	121	0.00
23 S	Nitrobenzene-d5	0.395	0.409	-3.5	125	0.00
24	Nitrobenzene	0.353	0.366	-3.7	125	0.00
25	Isophorone	0.700	0.680	2.9	118	0.00
26 C	2-Nitrophenol	0.181	0.186	-2.8	121	0.00
27	2,4-Dimethylphenol	0.312	0.314	-0.6	119	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.410	3.1	118	-0.01
29 C	2,4-Dichlorophenol	0.310	0.310	0.0	119	0.00
30	1,2,4-Trichlorobenzene	0.340	0.332	2.4	119	0.00
31	Naphthalene	1.040	1.009	3.0	118	-0.01
32	Benzoic acid	0.230	0.231	-0.4	119	0.01
33	4-Chloroaniline	0.459	0.448	2.4	116	0.00
34 C	Hexachlorobutadiene	0.211	0.207	1.9	118	-0.01
35	Caprolactam	0.114	0.101	11.4	108	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.344	3.1	116	0.00
37	2-Methylnaphthalene	0.676	0.643	4.9	116	-0.01
38	1-Methylnaphthalene	0.719	0.671	6.7	115	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	109	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.578	0.581	-0.5	113	-0.01
41 P	Hexachlorocyclopentadiene	0.349	0.363	-4.0	114	-0.01
42 S	2,4,6-Tribromophenol	0.269	0.252	6.3	104	-0.02
43 C	2,4,6-Trichlorophenol	0.390	0.402	-3.1	114	0.00
44	2,4,5-Trichlorophenol	0.427	0.434	-1.6	111	0.00
45 S	2-Fluorobiphenyl	1.463	1.441	1.5	113	-0.01
46	1,1'-Biphenyl	1.453	1.452	0.1	112	-0.01
47	2-Chloronaphthalene	1.131	1.136	-0.4	112	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.351	-6.7	116	0.00
49	Acenaphthylene	1.871	1.854	0.9	112	-0.01
50	Dimethylphthalate	1.465	1.392	5.0	108	-0.01
51	2,6-Dinitrotoluene	0.309	0.311	-0.6	109	0.00
52 C	Acenaphthene	1.098	1.059	3.6	111	0.00
53	3-Nitroaniline	0.347	0.338	2.6	108	-0.01
54 P	2,4-Dinitrophenol	0.165	0.168	-1.8	112	0.00
55	Dibenzofuran	1.736	1.660	4.4	108	0.00
56 P	4-Nitrophenol	0.285	0.269	5.6	105	0.00
57	2,4-Dinitrotoluene	0.440	0.426	3.2	106	0.00
58	Fluorene	1.370	1.266	7.6	106	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.370	1.9	110	0.00
60	Diethylphthalate	1.488	1.379	7.3	105	-0.01
61	4-Chlorophenyl-phenylether	0.681	0.626	8.1	105	0.00
62	4-Nitroaniline	0.356	0.320	10.1	99	0.00
63	Azobenzene	1.274	1.267	0.5	111	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	-0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.131	-4.8	105	-0.01
66 c	n-Nitrosodiphenylamine	0.610	0.638	-4.6	106	-0.01
67	4-Bromophenyl-phenylether	0.220	0.224	-1.8	103	0.00
68	Hexachlorobenzene	0.255	0.254	0.4	103	0.00
69	Atrazine	0.228	0.224	1.8	101	-0.01
70 C	Pentachlorophenol	0.161	0.166	-3.1	104	0.00
71	Phenanthrene	1.099	1.065	3.1	101	-0.01
72	Anthracene	1.122	1.109	1.2	101	-0.01
73	Carbazole	1.057	1.017	3.8	99	-0.01
74	Di-n-butylphthalate	1.300	1.219	6.2	96	0.00
75 C	Fluoranthene	1.311	1.183	9.8	95	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	92	-0.01
77	Benzydine	0.683	0.580	15.1	55	0.00
78	Pyrene	1.300	1.284	1.2	92	0.00
79 S	Terphenyl-d14	1.093	1.064	2.7	93	0.00
80	Butylbenzylphthalate	0.589	0.569	3.4	90	0.00
81	Benzo(a)anthracene	1.319	1.296	1.7	94	-0.02
82	3,3'-Dichlorobenzidine	0.497	0.479	3.6	90	0.00
83	Chrysene	1.235	1.210	2.0	94	-0.02
84	Bis(2-ethylhexyl)phthalate	0.867	0.831	4.2	92	-0.02
85 c	Di-n-octyl phthalate	1.492	1.498	-0.4	95	-0.03
86 I	Perylene-d12	1.000	1.000	0.0	103	-0.03
87	Indeno(1,2,3-cd)pyrene	1.467	1.483	-1.1	108	-0.02
88	Benzo(b)fluoranthene	1.179	1.117	5.3	101	0.00
89	Benzo(k)fluoranthene	1.180	1.109	6.0	101	0.00
90 C	Benzo(a)pyrene	1.148	1.115	2.9	103	0.00
91	Dibenzo(a,h)anthracene	1.199	1.211	-1.0	107	-0.02
92	Benzo(g,h,i)perylene	1.178	1.200	-1.9	108	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
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Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	122	-0.01
2	1,4-Dioxane	40.000	39.729	0.7	128	0.00
3	Pyridine	40.000	38.955	2.6	125	0.00
4	n-Nitrosodimethylamine	40.000	43.959	-9.9	139	0.00
5 S	2-Fluorophenol	80.000	80.749	-0.9	127	0.00
6	Aniline	40.000	39.629	0.9	124	0.00
7 S	Phenol-d6	80.000	80.152	-0.2	124	0.00
8	2-Chlorophenol	40.000	39.746	0.6	125	0.00
9	Benzaldehyde	40.000	47.711	-19.3	115	0.00
10 C	Phenol	40.000	39.828	0.4	125	0.00
11	bis(2-Chloroethyl)ether	40.000	39.942	0.1	126	0.00
12	1,3-Dichlorobenzene	40.000	39.651	0.9	125	0.00
13 C	1,4-Dichlorobenzene	40.000	39.168	2.1	124	-0.01
14	1,2-Dichlorobenzene	40.000	38.659	3.4	122	0.00
15	Benzyl Alcohol	40.000	40.000	0.0	125	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.975	-2.4	130	0.00
17	2-Methylphenol	40.000	39.881	0.3	123	0.00
18	Hexachloroethane	40.000	39.729	0.7	125	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.186	4.5	120	0.00
20	3+4-Methylphenols	40.000	38.594	3.5	120	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	117	0.00
22	Acetophenone	40.000	39.831	0.4	121	0.00
23 S	Nitrobenzene-d5	80.000	82.765	-3.5	125	0.00
24	Nitrobenzene	40.000	41.406	-3.5	125	0.00
25	Isophorone	40.000	38.851	2.9	118	0.00
26 C	2-Nitrophenol	40.000	41.086	-2.7	121	0.00
27	2,4-Dimethylphenol	40.000	40.225	-0.6	119	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.812	3.0	118	-0.01
29 C	2,4-Dichlorophenol	40.000	40.055	-0.1	119	0.00
30	1,2,4-Trichlorobenzene	40.000	39.125	2.2	119	0.00
31	Naphthalene	40.000	38.828	2.9	118	-0.01
32	Benzoic acid	40.000	40.049	-0.1	119	0.01
33	4-Chloroaniline	40.000	38.991	2.5	116	0.00
34 C	Hexachlorobutadiene	40.000	39.065	2.3	118	-0.01
35	Caprolactam	40.000	35.484	11.3	108	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.676	3.3	116	0.00
37	2-Methylnaphthalene	40.000	37.995	5.0	116	-0.01
38	1-Methylnaphthalene	40.000	37.300	6.8	115	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	109	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	40.240	-0.6	113	-0.01
41 P	Hexachlorocyclopentadiene	40.000	41.668	-4.2	114	-0.01
42 S	2,4,6-Tribromophenol	80.000	74.936	6.3	104	-0.02
43 C	2,4,6-Trichlorophenol	40.000	41.205	-3.0	114	0.00
44	2,4,5-Trichlorophenol	40.000	40.598	-1.5	111	0.00
45 S	2-Fluorobiphenyl	80.000	78.794	1.5	113	-0.01
46	1,1'-Biphenyl	40.000	39.995	0.0	112	-0.01
47	2-Chloronaphthalene	40.000	40.186	-0.5	112	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.636	-6.6	116	0.00
49	Acenaphthylene	40.000	39.644	0.9	112	-0.01
50	Dimethylphthalate	40.000	38.020	4.9	108	-0.01
51	2,6-Dinitrotoluene	40.000	40.251	-0.6	109	0.00
52 C	Acenaphthene	40.000	38.553	3.6	111	0.00
53	3-Nitroaniline	40.000	38.977	2.6	108	-0.01
54 P	2,4-Dinitrophenol	40.000	40.644	-1.6	112	0.00
55	Dibenzofuran	40.000	38.235	4.4	108	0.00
56 P	4-Nitrophenol	40.000	37.635	5.9	105	0.00
57	2,4-Dinitrotoluene	40.000	38.698	3.3	106	0.00
58	Fluorene	40.000	36.973	7.6	106	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.239	1.9	110	0.00
60	Diethylphthalate	40.000	37.056	7.4	105	-0.01
61	4-Chlorophenyl-phenylether	40.000	36.730	8.2	105	0.00
62	4-Nitroaniline	40.000	35.928	10.2	99	0.00
63	Azobenzene	40.000	39.764	0.6	111	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	98	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	42.016	-5.0	105	-0.01
66 c	n-Nitrosodiphenylamine	40.000	41.848	-4.6	106	-0.01
67	4-Bromophenyl-phenylether	40.000	40.652	-1.6	103	0.00
68	Hexachlorobenzene	40.000	39.912	0.2	103	0.00
69	Atrazine	40.000	39.190	2.0	101	-0.01
70 C	Pentachlorophenol	40.000	41.242	-3.1	104	0.00
71	Phenanthrene	40.000	38.791	3.0	101	-0.01
72	Anthracene	40.000	39.524	1.2	101	-0.01
73	Carbazole	40.000	38.481	3.8	99	-0.01
74	Di-n-butylphthalate	40.000	37.487	6.3	96	0.00
75 C	Fluoranthene	40.000	36.116	9.7	95	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	92	-0.01
77	Benzydine	40.000	34.006	15.0	55	0.00
78	Pyrene	40.000	39.495	1.3	92	0.00
79 S	Terphenyl-d14	80.000	77.871	2.7	93	0.00
80	Butylbenzylphthalate	40.000	38.610	3.5	90	0.00
81	Benzo(a)anthracene	40.000	39.296	1.8	94	-0.02
82	3,3'-Dichlorobenzidine	40.000	38.576	3.6	90	0.00
83	Chrysene	40.000	39.179	2.1	94	-0.02
84	Bis(2-ethylhexyl)phthalate	40.000	38.334	4.2	92	-0.02
85 c	Di-n-octyl phthalate	40.000	40.160	-0.4	95	-0.03
86 I	Perylene-d12	20.000	20.000	0.0	103	-0.03
87	Indeno(1,2,3-cd)pyrene	40.000	40.446	-1.1	108	-0.02
88	Benzo(b)fluoranthene	40.000	37.901	5.2	101	0.00
89	Benzo(k)fluoranthene	40.000	37.602	6.0	101	0.00
90 C	Benzo(a)pyrene	40.000	38.843	2.9	103	0.00
91	Dibenzo(a,h)anthracene	40.000	40.400	-1.0	107	-0.02
92	Benzo(g,h,i)perylene	40.000	40.739	-1.8	108	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



QC SAMPLE DATA

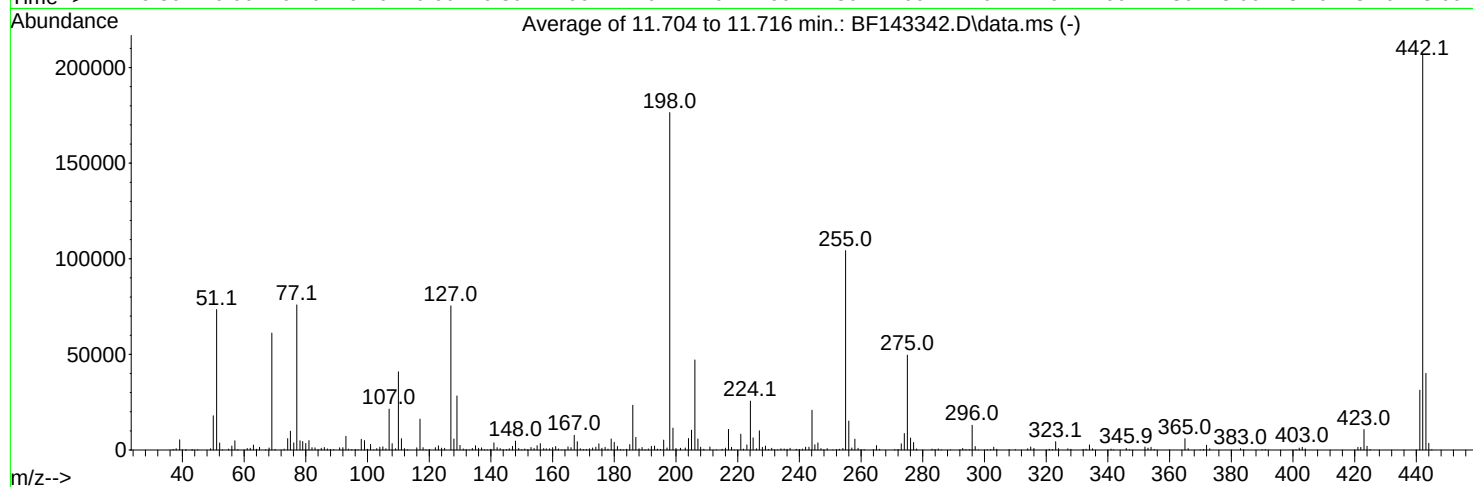
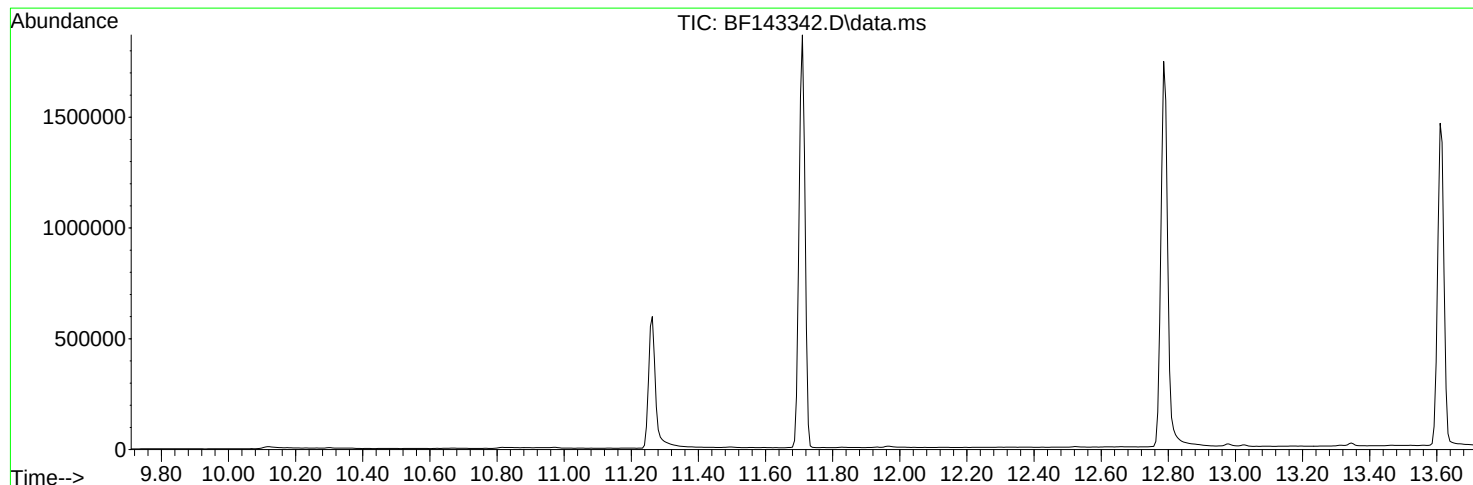
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025



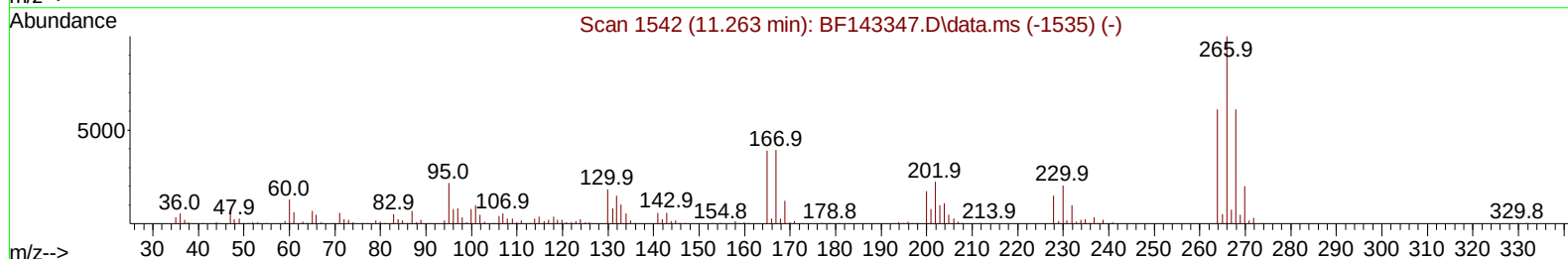
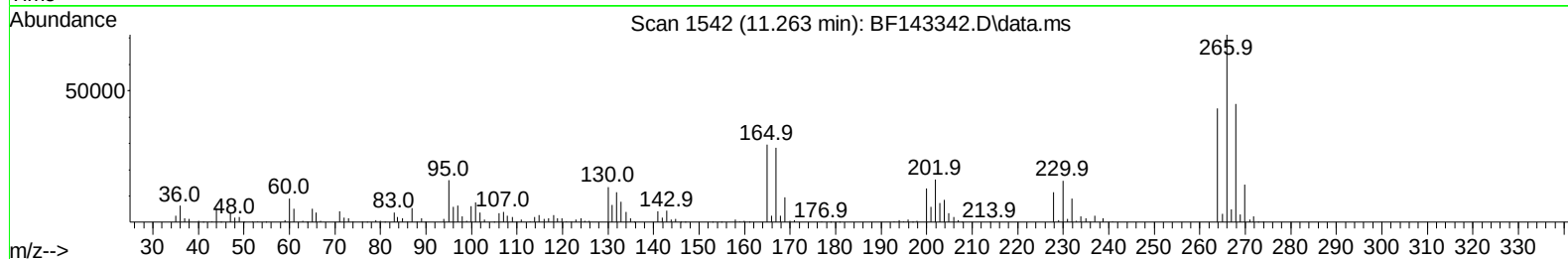
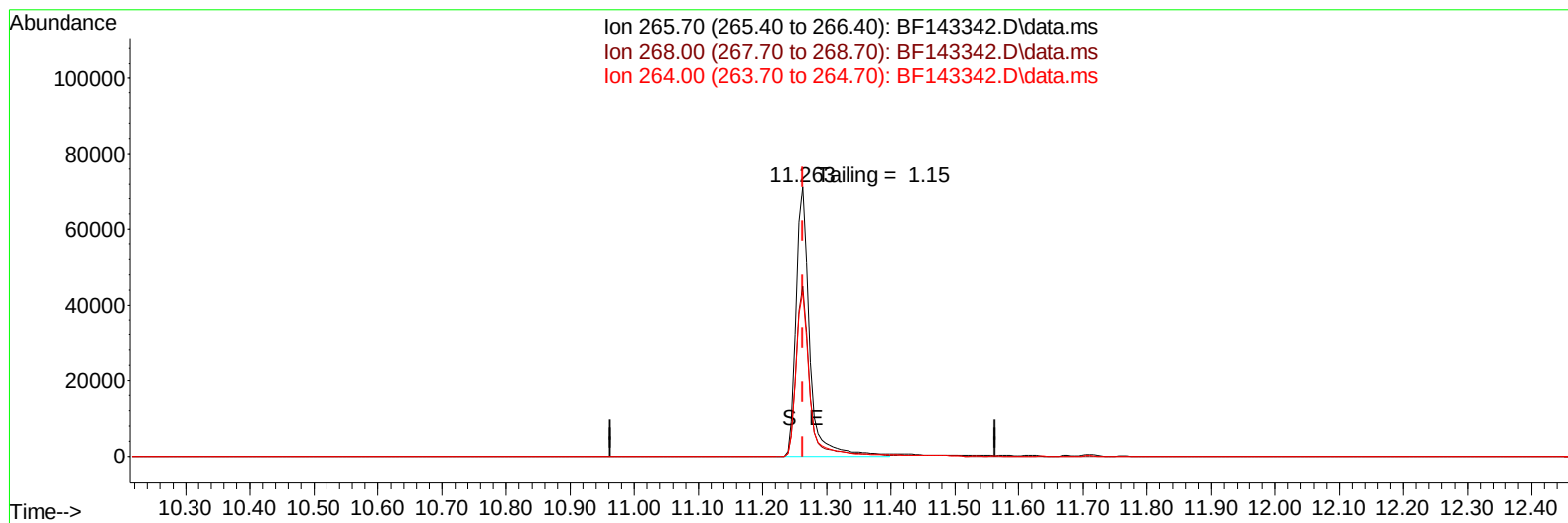
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	1075	PASS
69	69	100	100	100.0	61205	PASS
70	69	0.00	2	0.5	326	PASS
197	198	0.00	2	0.6	1092	PASS
198	198	100	100	100.0	176469	PASS
199	198	5	9	6.5	11438	PASS
365	198	1	100	3.4	5927	PASS
441	443	0.01	150	77.9	31269	PASS
442	442	100	100	100.0	206464	PASS
443	442	15	24	19.4	40120	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 13:28:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



TIC: BF143342.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.000) 127995.01 ng

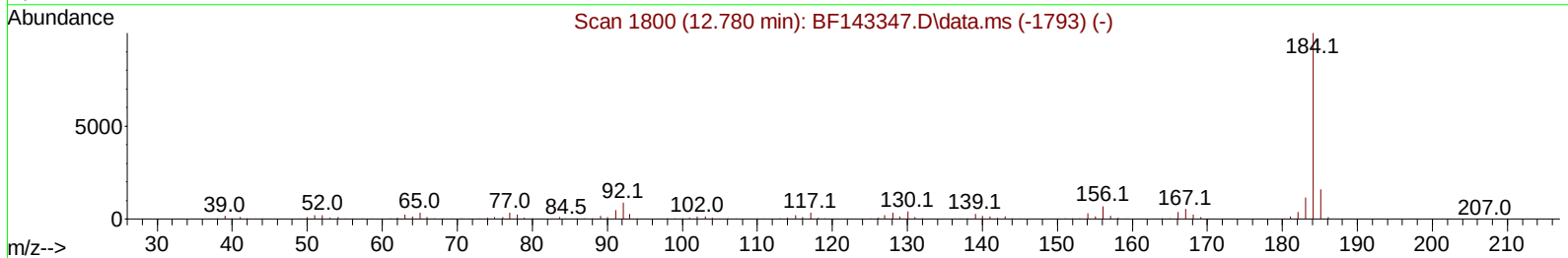
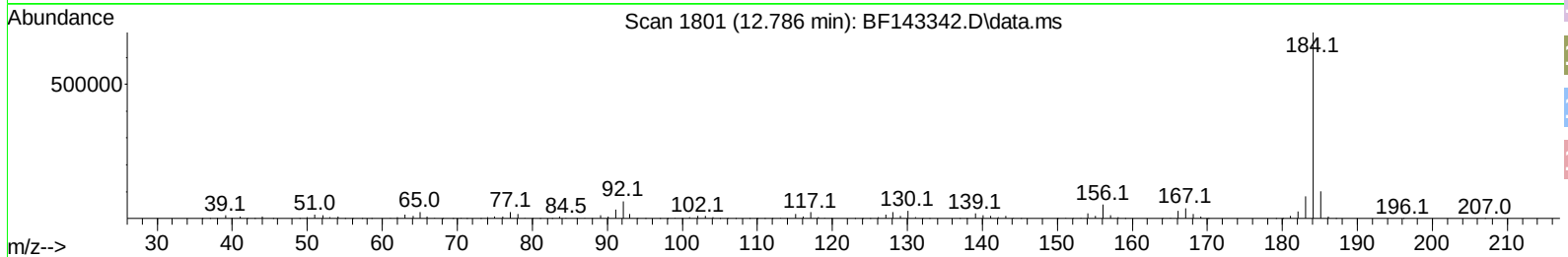
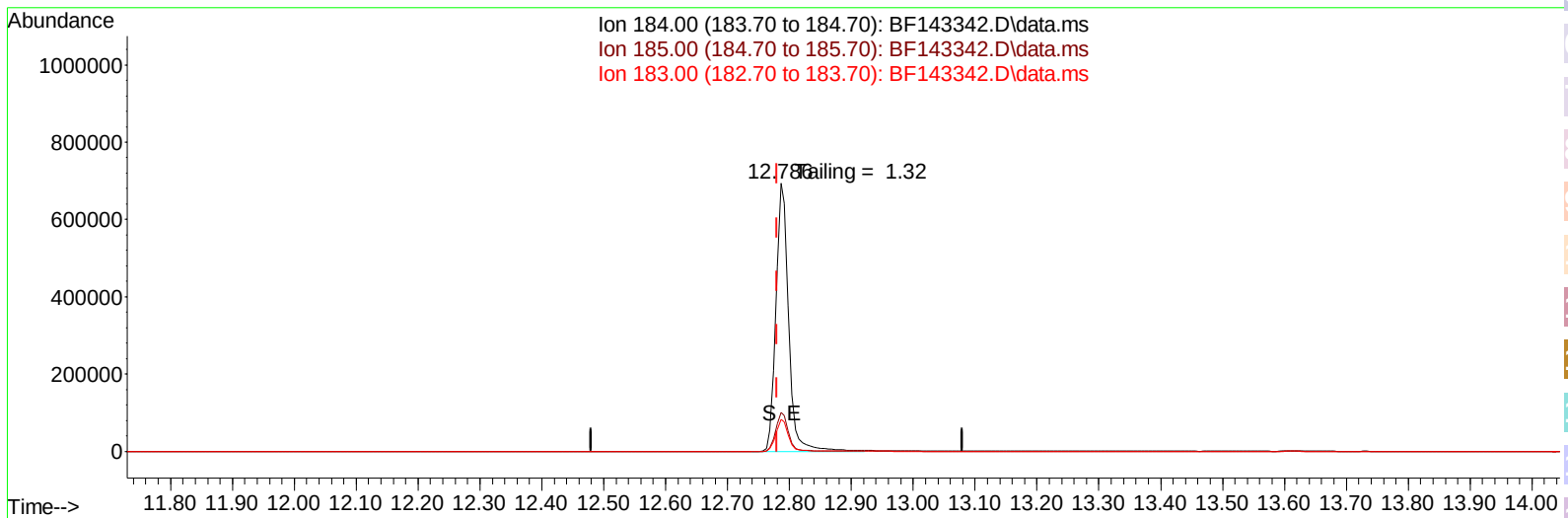
response 106759

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.00	63.14
264.00	61.00	60.85
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 13:28:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



TIC: BF143342.D\data.ms

(77) Benzidine

12.786min (+ 0.006) 0.00 ng

response 1006924

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	16.00	14.63
183.00	11.60	11.87
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

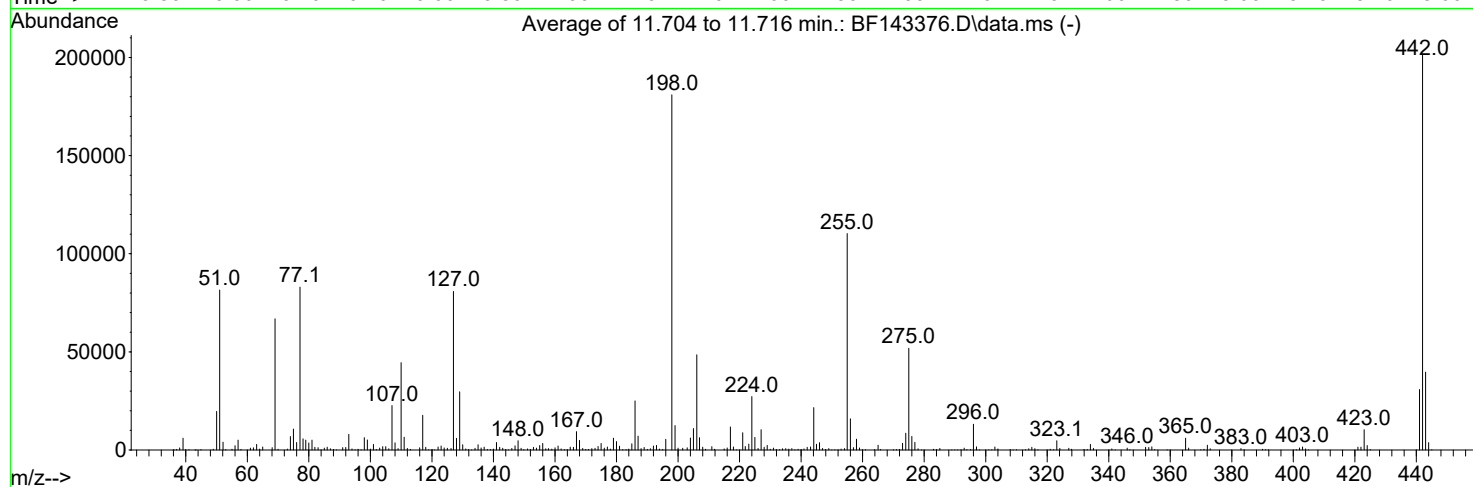
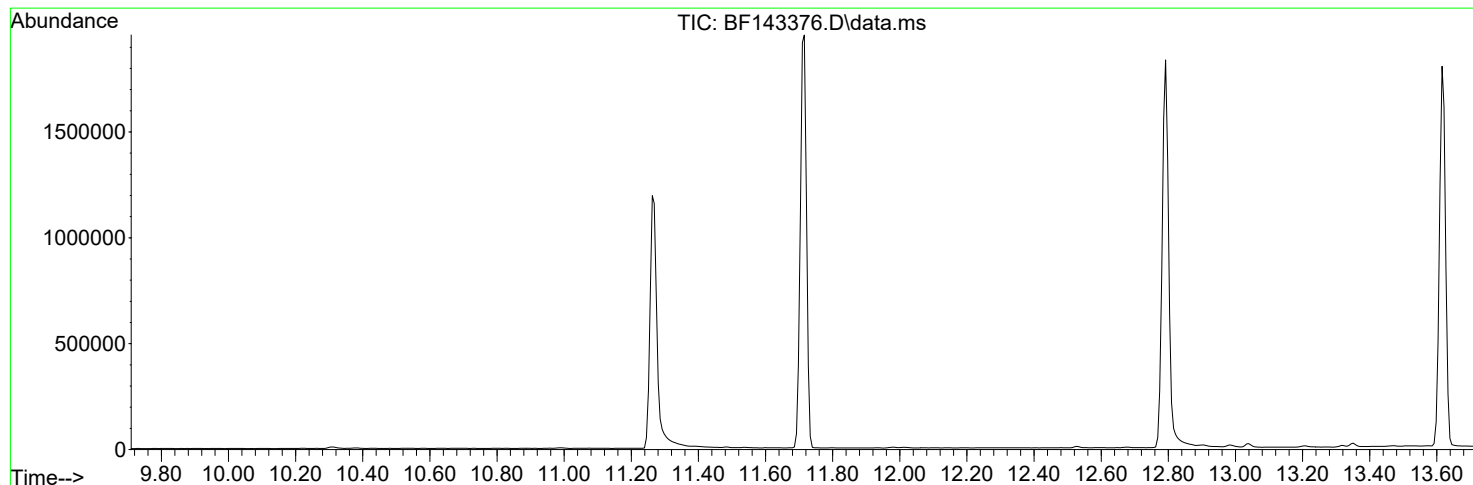
Date	Instrument Name	DFTPP Data File
8/12/2025	BNA_F	<u>BF143342.D</u>
Compound Name	Response	Retention Time
DDT	266385	13.61
DDD	3780	13.345
DDE	3356	12.98
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
7136	273521	2.61

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143376.D
Acq On : 14 Aug 2025 11:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025



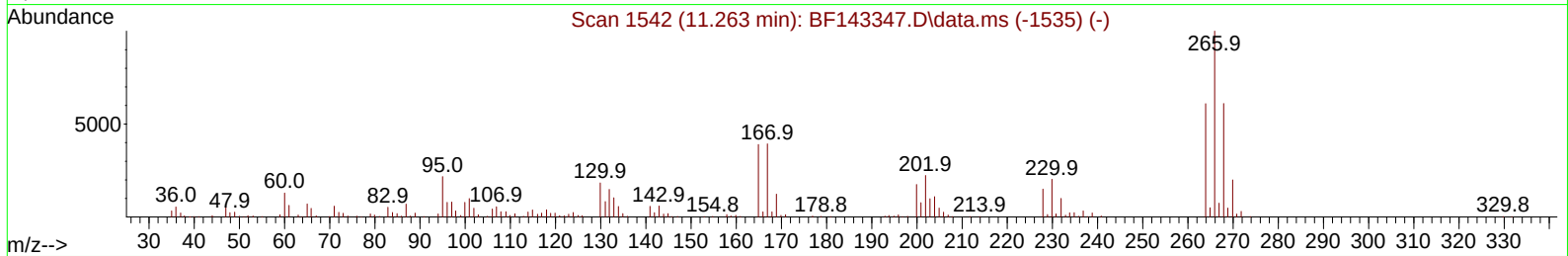
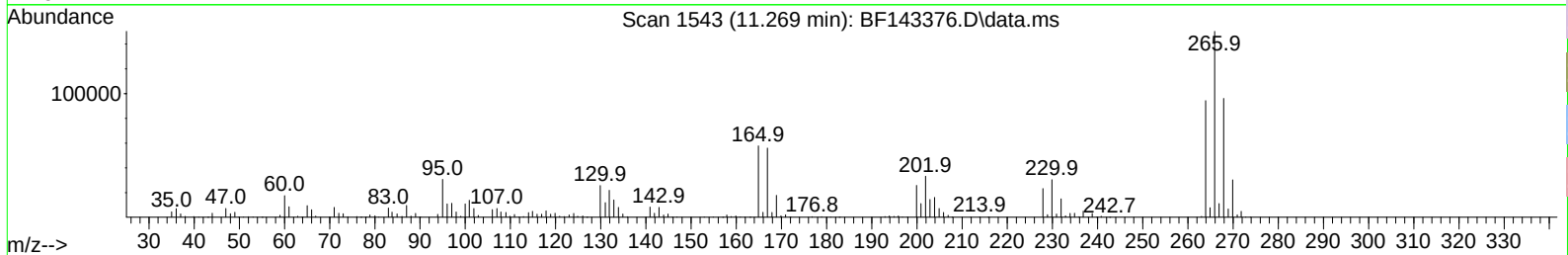
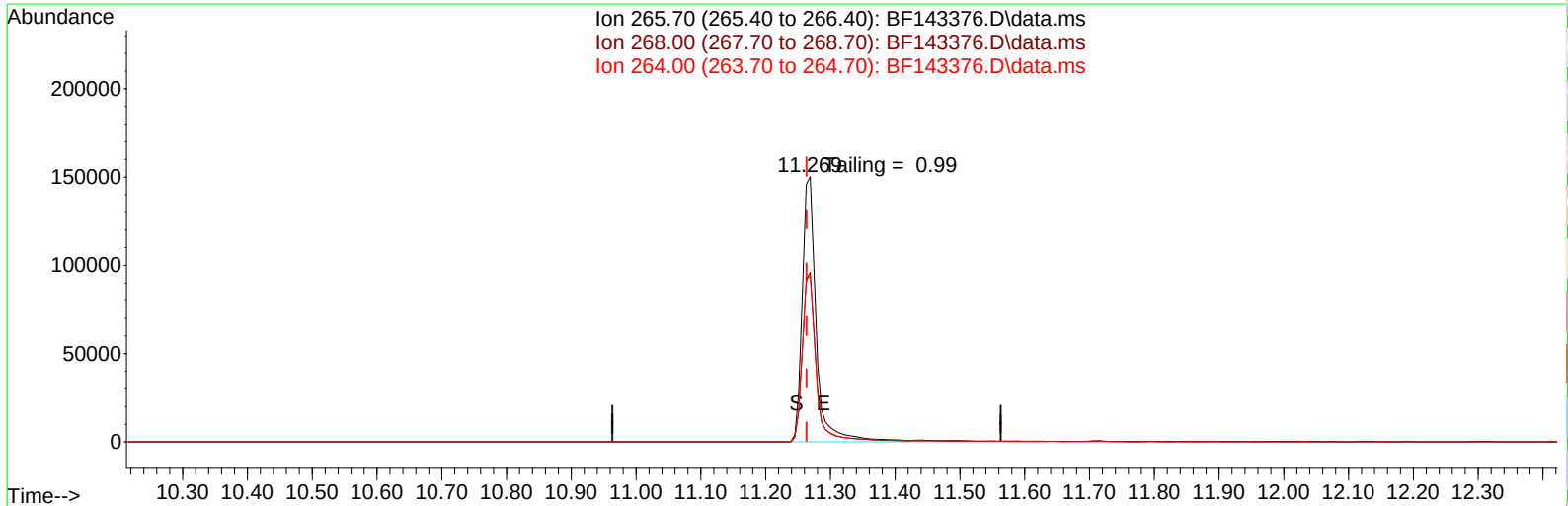
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1611

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	1210	PASS
69	69	100	100	100.0	66827	PASS
70	69	0.00	2	0.6	419	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	180963	PASS
199	198	5	9	6.9	12493	PASS
365	198	1	100	3.3	6022	PASS
441	443	0.01	150	77.7	30860	PASS
442	442	100	100	100.0	201176	PASS
443	442	15	24	19.8	39741	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143376.D
Acq On : 14 Aug 2025 11:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 14 12:58:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



TIC: BF143376.D\data.ms

(70) Pentachlorophenol (C)

11.269min (+ 0.006) 295541.56 ng

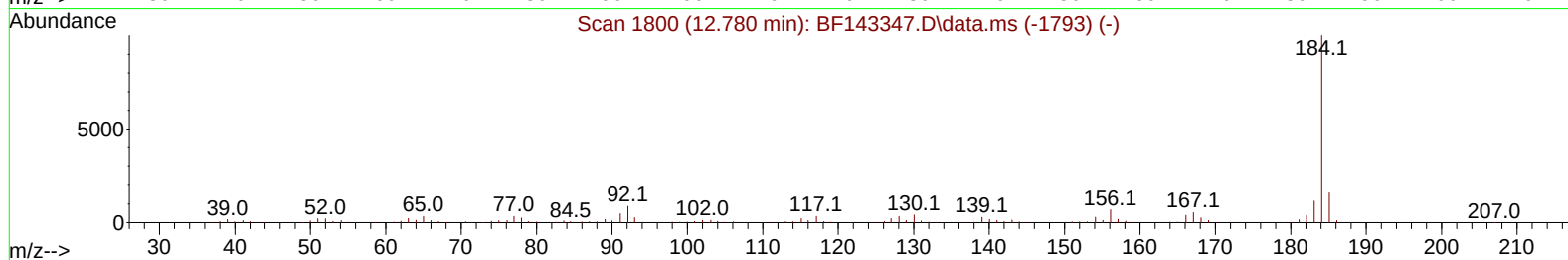
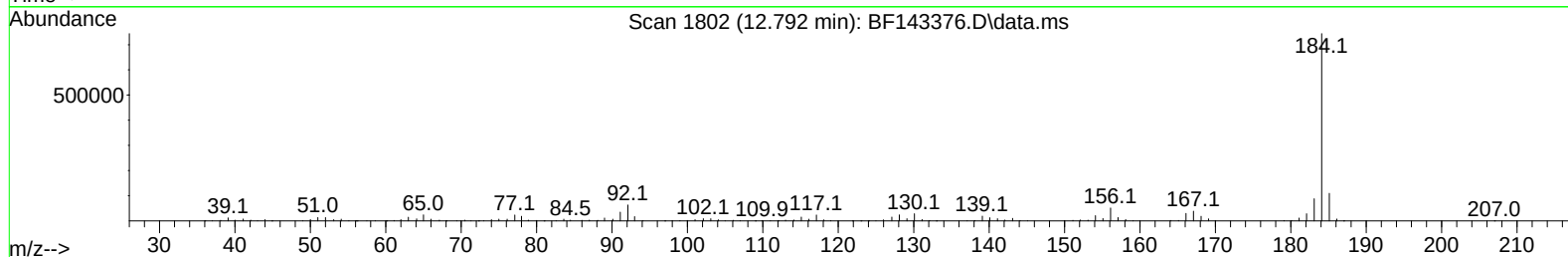
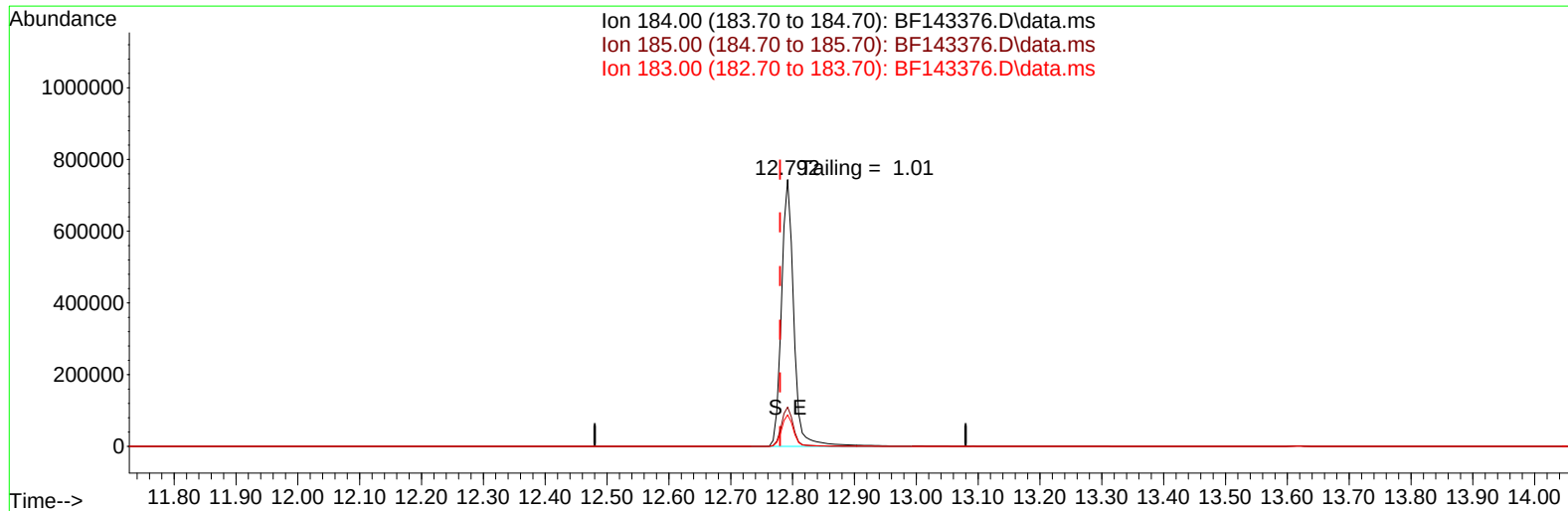
response 227255

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.00	63.95
264.00	61.00	62.73
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143376.D
Acq On : 14 Aug 2025 11:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 14 12:58:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



TIC: BF143376.D\data.ms

(77) Benzidine

12.792min (+ 0.012) 0.00 ng

response 1039955

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	16.00	14.73
183.00	11.60	11.82
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

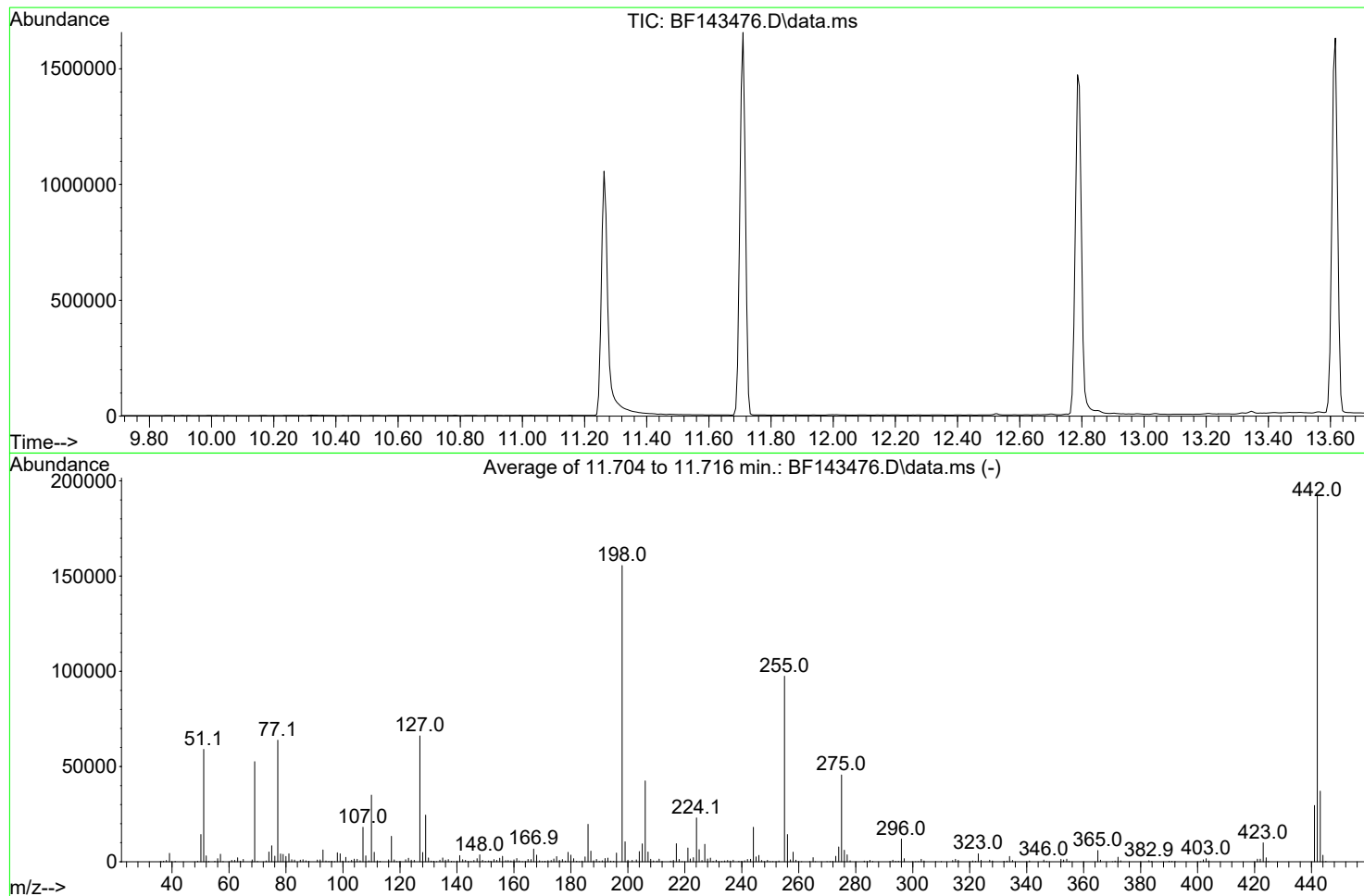
Date	Instrument Name	DFTPP Data File
8/14/2025	BNA_F	<u>BF143376.D</u>
Compound Name	Response	Retention Time
DDT	444870	13.616
DDD	6873	13.351
DDE	3527	12.986
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10400	455270	2.28

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143476.D
Acq On : 20 Aug 2025 10:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025



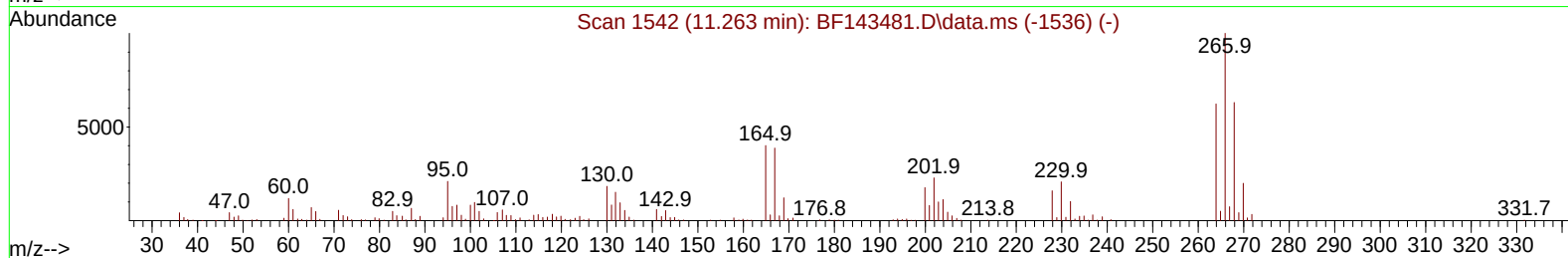
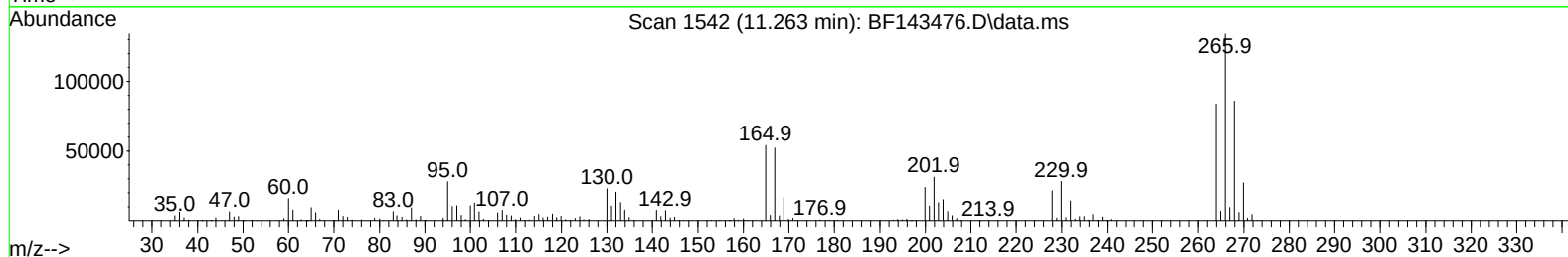
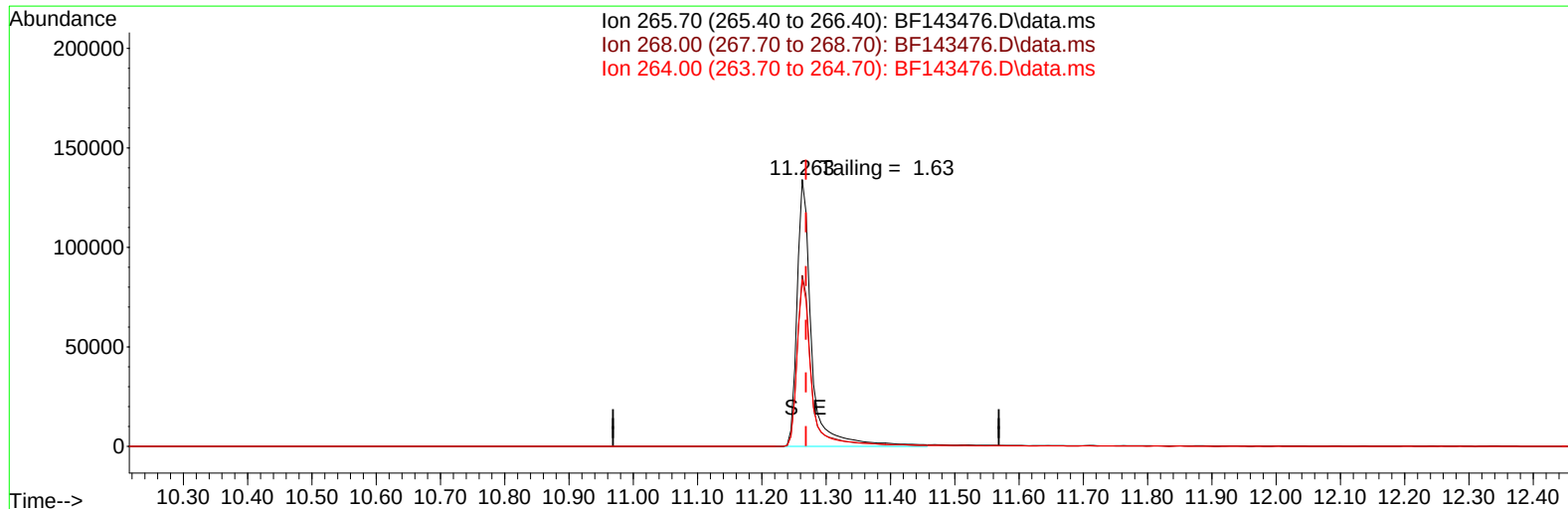
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.9	985	PASS
69	69	100	100	100.0	52563	PASS
70	69	0.00	2	0.5	276	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	155509	PASS
199	198	5	9	6.8	10536	PASS
365	198	1	100	3.8	5904	PASS
441	443	0.01	150	79.6	29523	PASS
442	442	100	100	100.0	191893	PASS
443	442	15	24	19.3	37093	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143476.D
Acq On : 20 Aug 2025 10:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



TIC: BF143476.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.006) 46358.19 ng

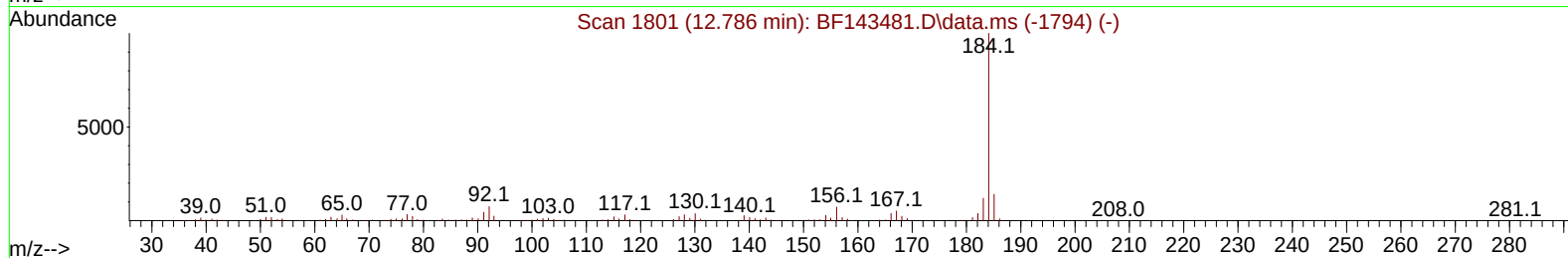
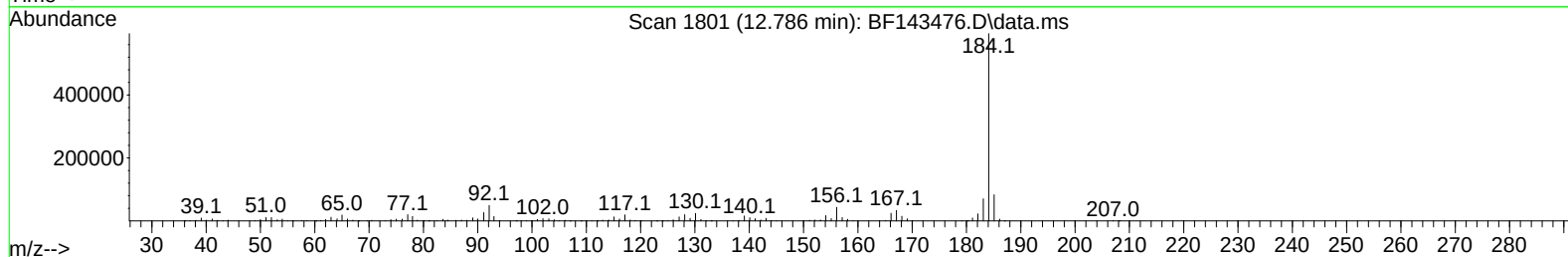
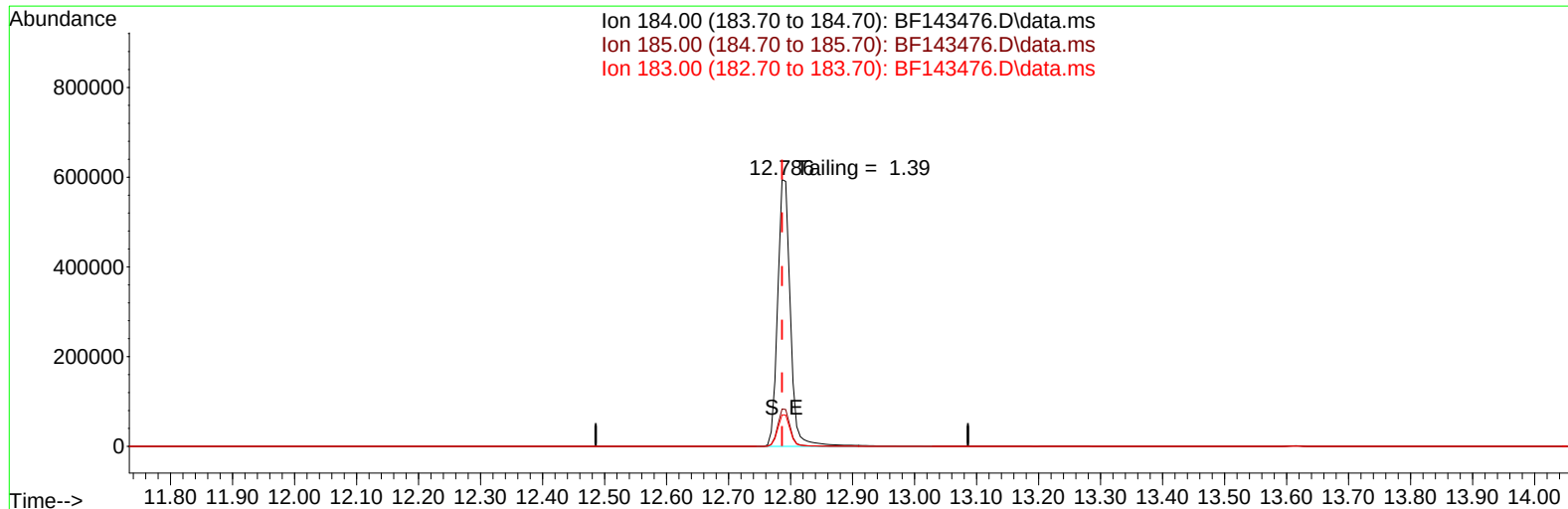
response 211078

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	64.07
264.00	62.30	62.45
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143476.D
Acq On : 20 Aug 2025 10:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



TIC: BF143476.D\data.ms

(77) Benzidine

12.786min (+ 0.000) 0.00 ng

response 857686

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.00
183.00	11.90	11.84
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

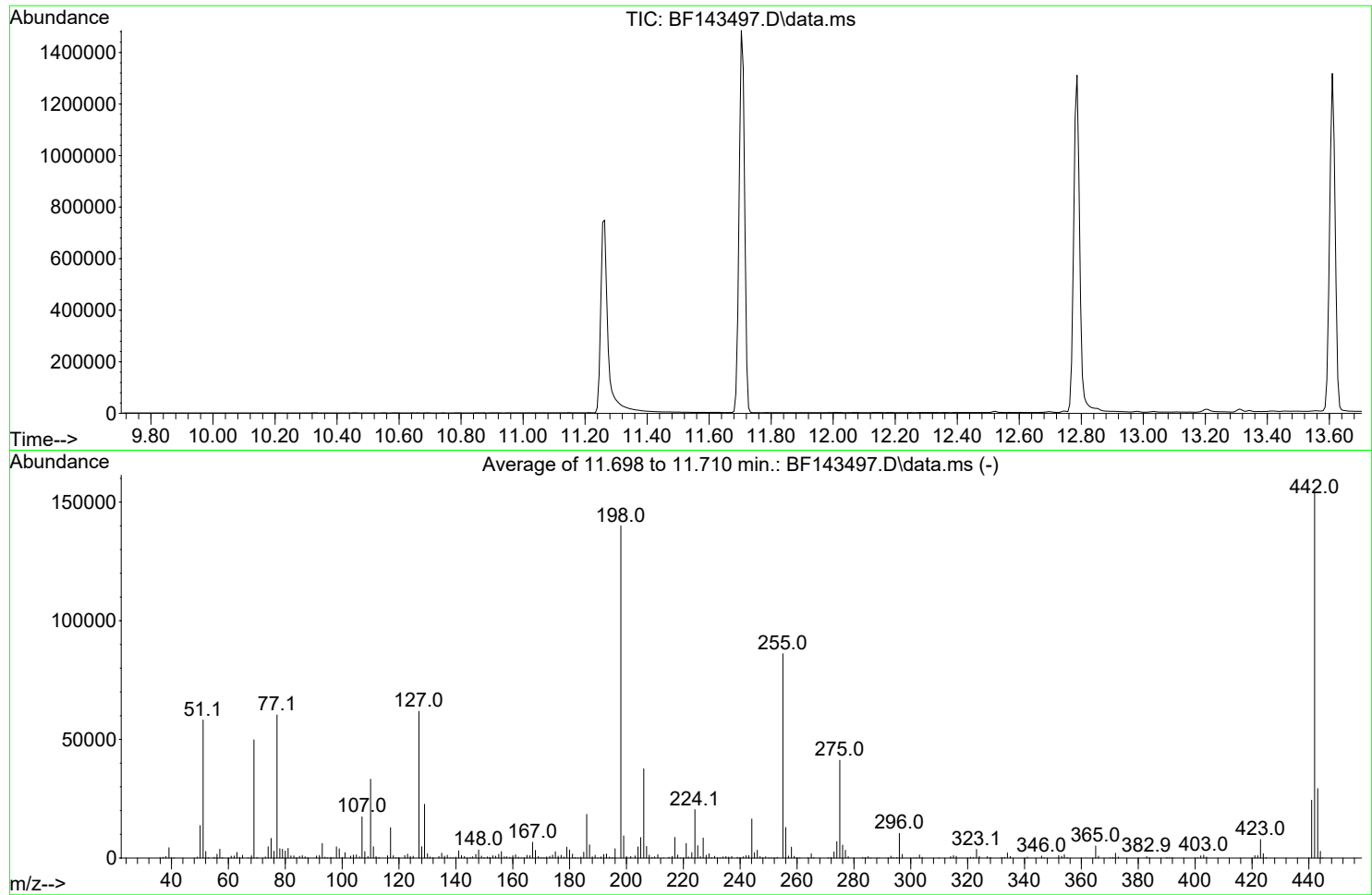
Date	Instrument Name	DFTPP Data File
8/20/2025	BNA_F	<u>BF143476.D</u>
Compound Name	Response	Retention Time
DDT	414933	13.616
DDD	4692	13.345
DDE	1143	12.98
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5835	420768	1.39

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143497.D
Acq On : 20 Aug 2025 21:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025



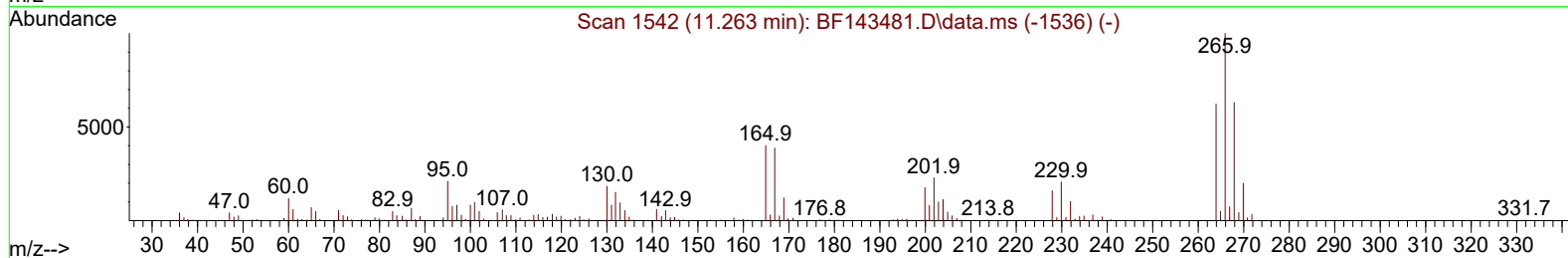
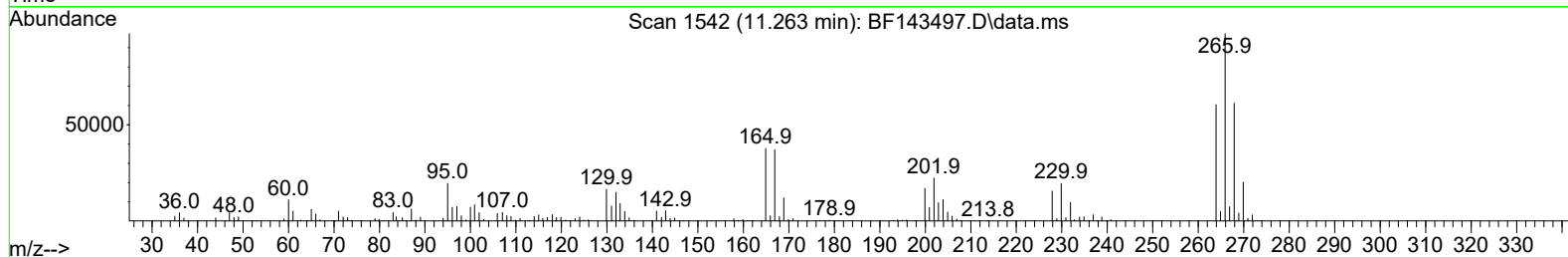
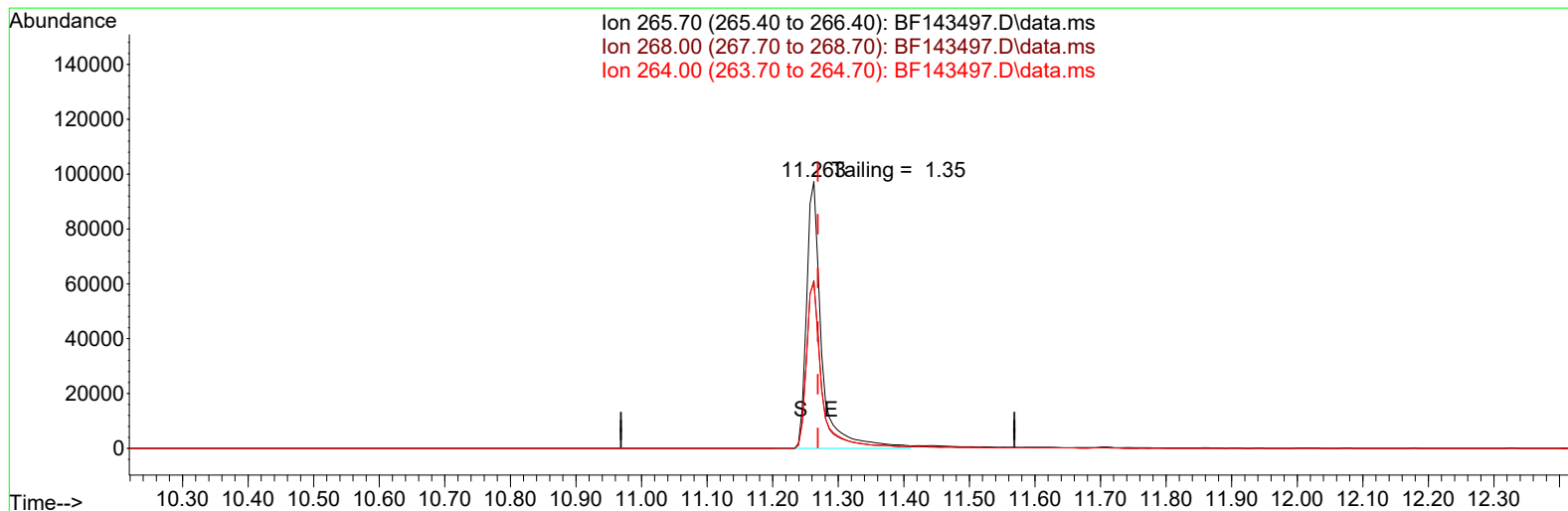
AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	2.0	984	PASS
69	69	100	100	100.0	49792	PASS
70	69	0.00	2	0.6	289	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	139989	PASS
199	198	5	9	6.7	9329	PASS
365	198	1	100	3.6	5107	PASS
441	443	0.01	150	83.2	24347	PASS
442	442	100	100	100.0	153672	PASS
443	442	15	24	19.0	29261	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143497.D
Acq On : 20 Aug 2025 21:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 02:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



TIC: BF143497.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.006) 130789.27 ng

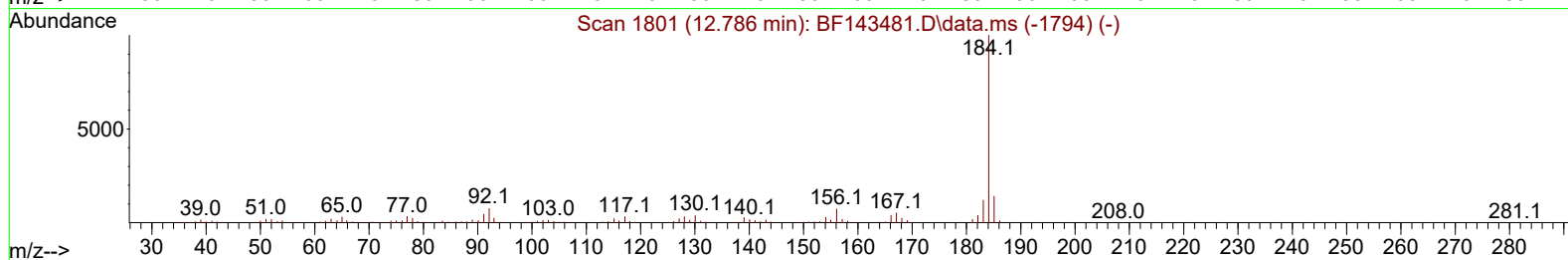
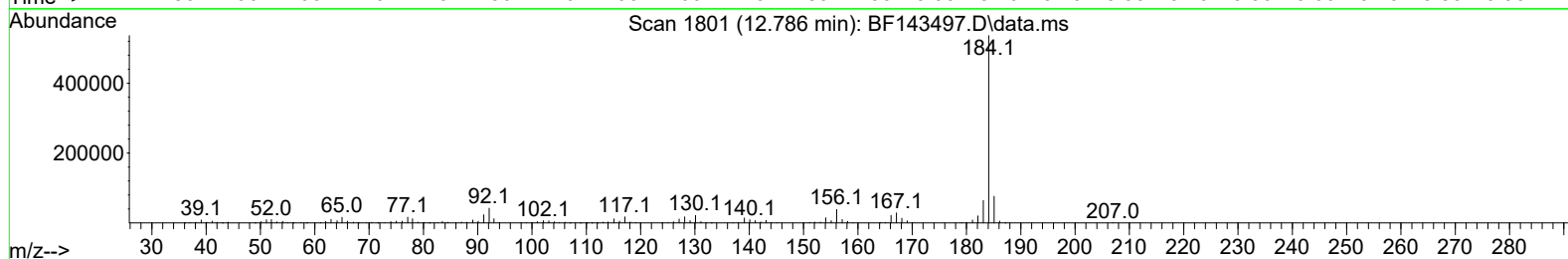
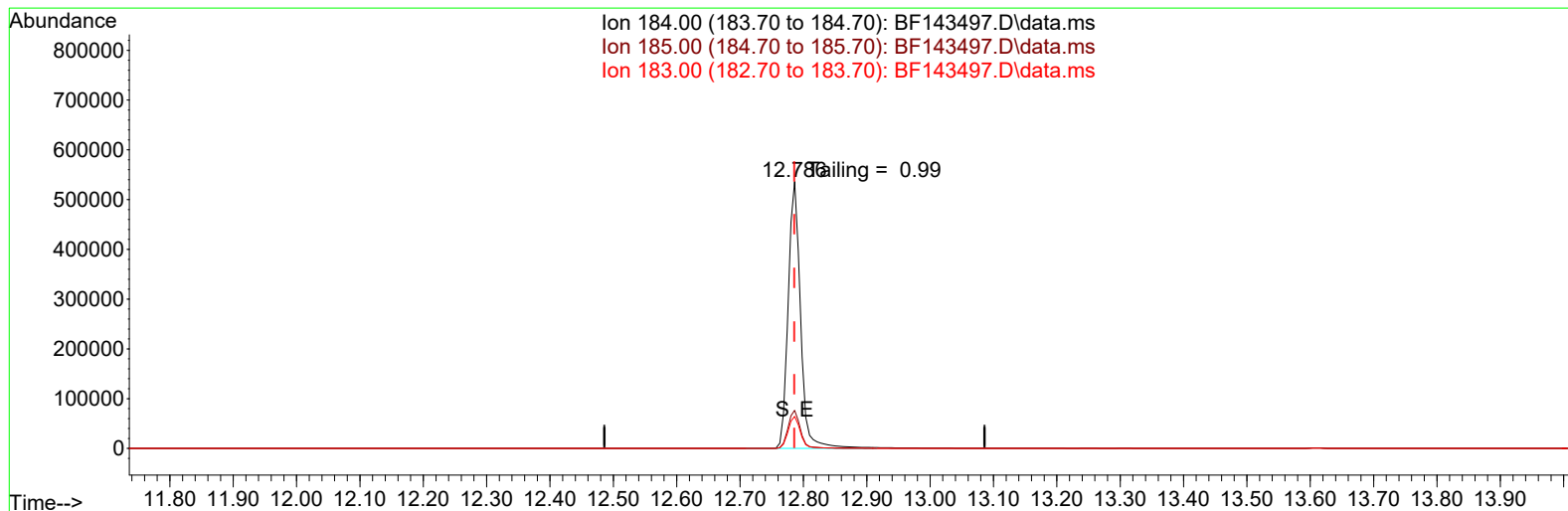
response 157159

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	62.88
264.00	62.30	62.11
0.00	0.00	0.00


```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\  
Data File : BF143497.D  
Acq On    : 20 Aug 2025   21:36  
Operator  : RC/JU  
Sample    : DFTPP  
Misc      :  
ALS Vial  : 1    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 02:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



TIC: BF143497.D\data.ms

(77) Benzidine

12.786min (+ 0.000) 0.00 ng

response **737567**

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.26
183.00	11.90	12.02
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

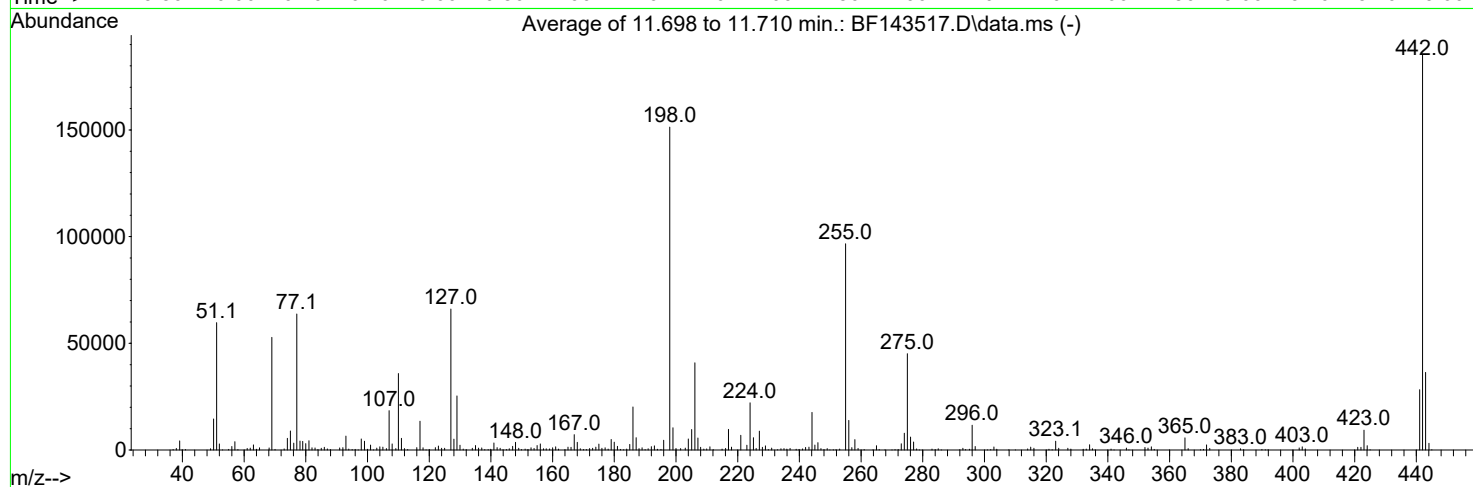
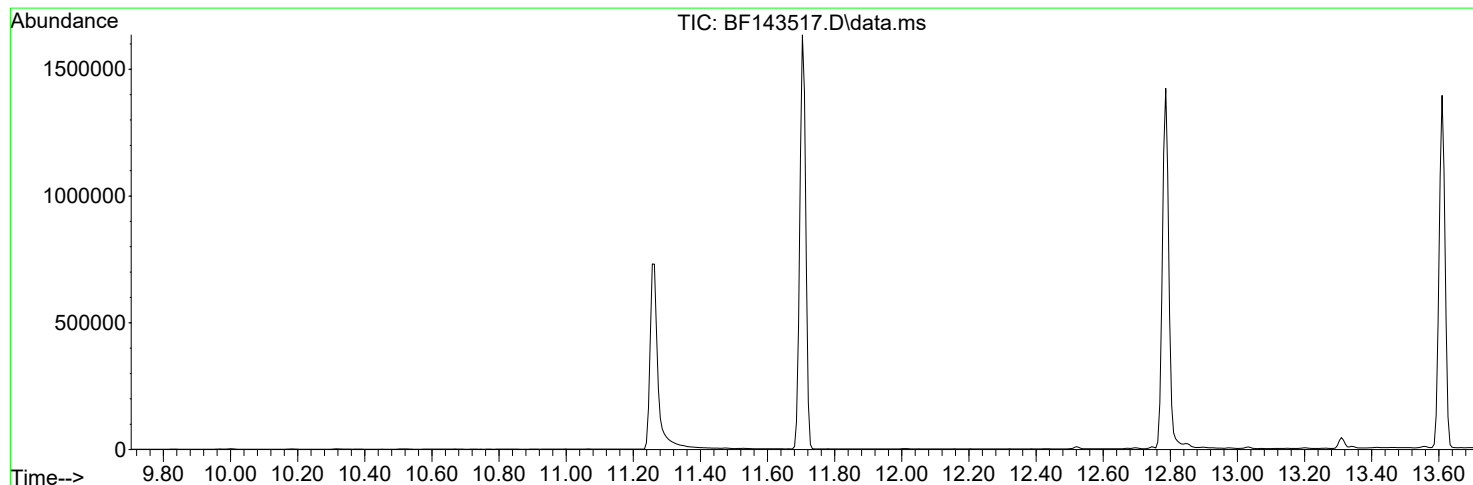
Date	Instrument Name	DFTPP Data File
8/20/2025	BNA_F	<u>BF143497.D</u>
Compound Name	Response	Retention Time
DDT	312124	13.61
DDD	5317	13.31
DDE	1164	12.98
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6481	318605	2.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143517.D
Acq On : 21 Aug 2025 08:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025



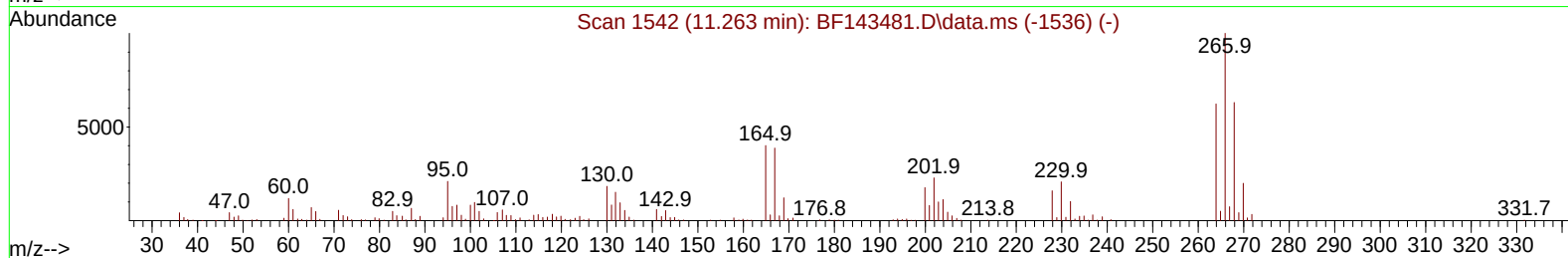
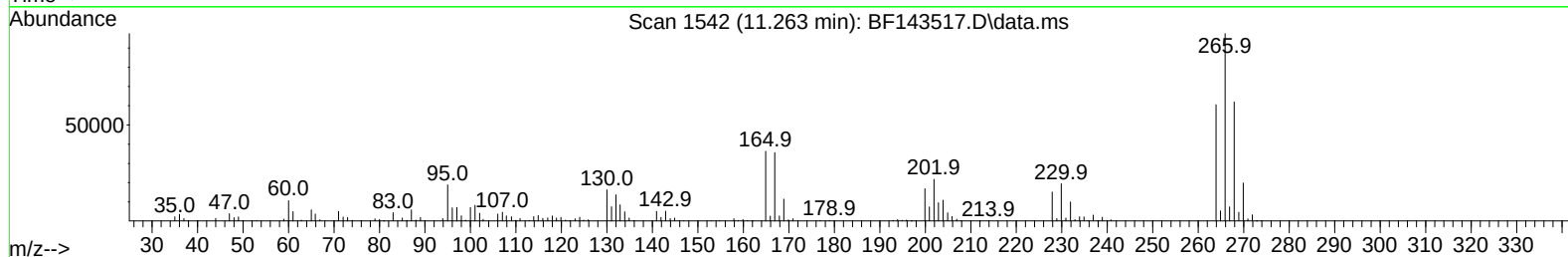
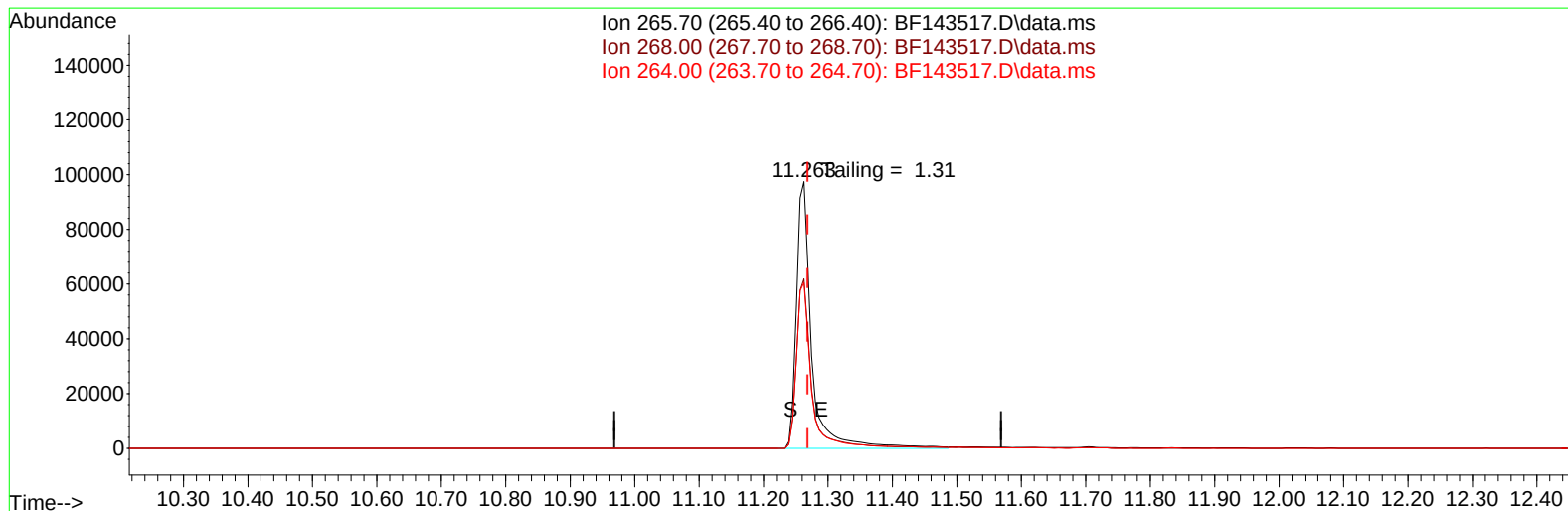
AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.9	984	PASS
69	69	100	100	100.0	52787	PASS
70	69	0.00	2	0.6	326	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	151288	PASS
199	198	5	9	6.9	10453	PASS
365	198	1	100	3.8	5742	PASS
441	443	0.01	150	77.6	28243	PASS
442	442	100	100	100.0	185035	PASS
443	442	15	24	19.7	36395	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143517.D
Acq On : 21 Aug 2025 08:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 08:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



TIC: BF143517.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.006) 27043.48 ng

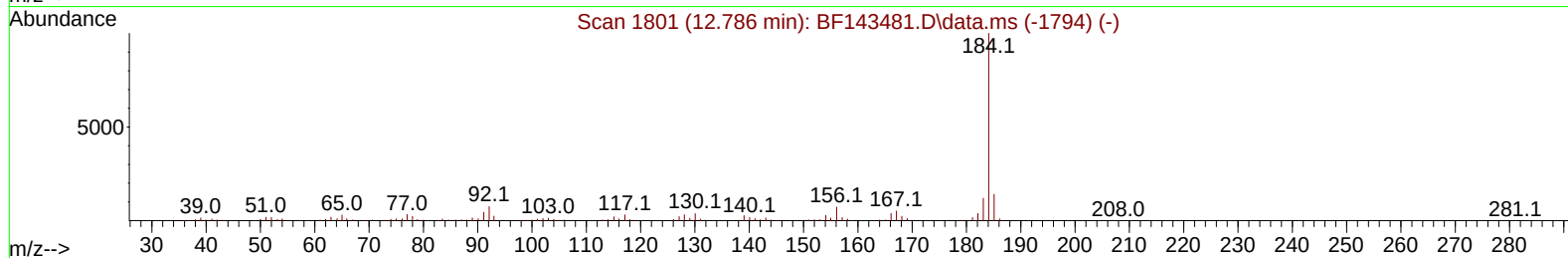
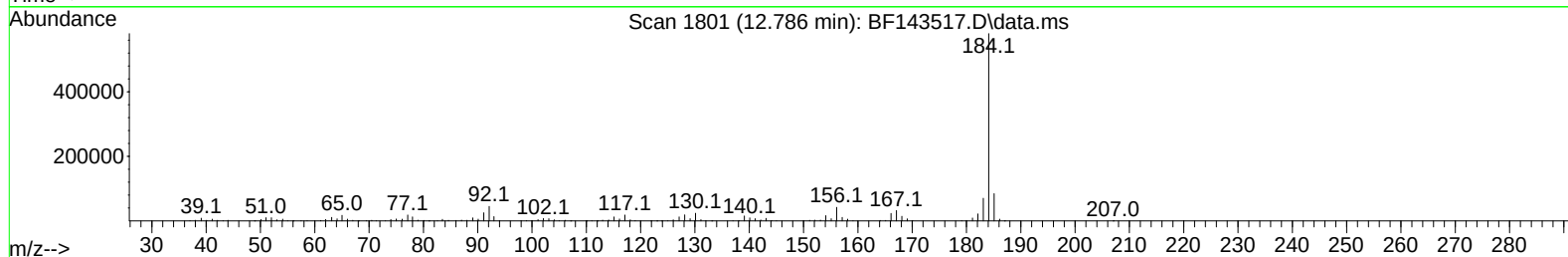
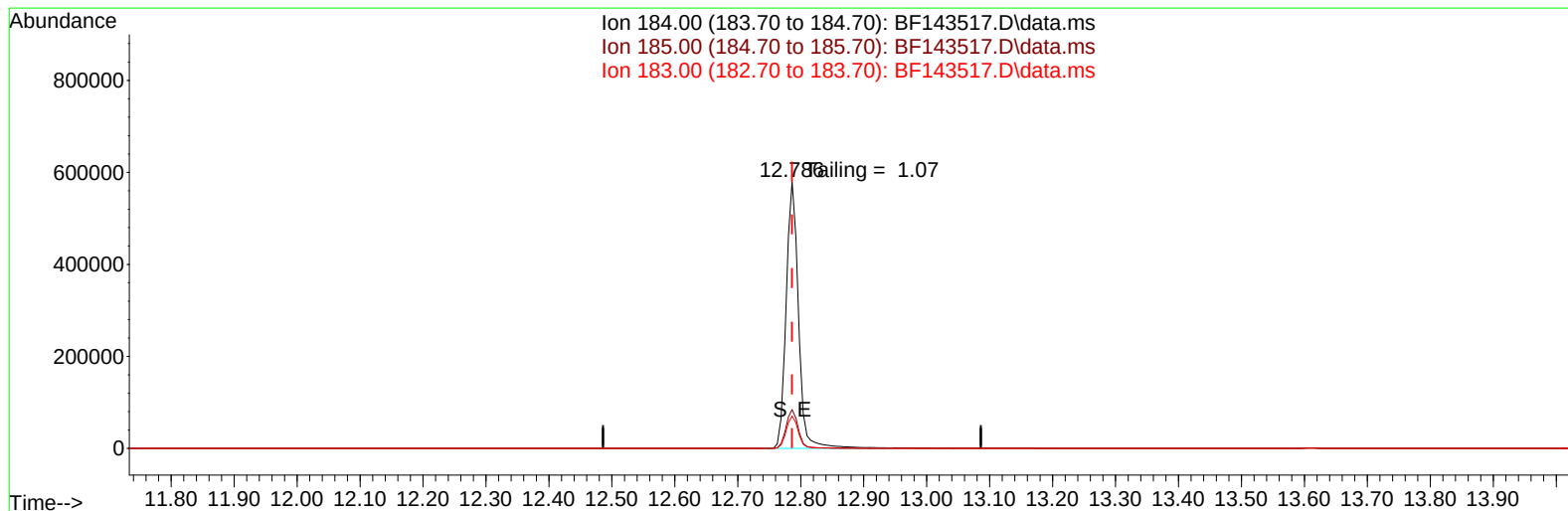
response 160887

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.52
264.00	62.30	62.15
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143517.D
Acq On : 21 Aug 2025 08:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 08:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



TIC: BF143517.D\data.ms

(77) Benzidine

12.786min (+ 0.000) 116738.94 ng

response 796205

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.54
183.00	11.90	12.13
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

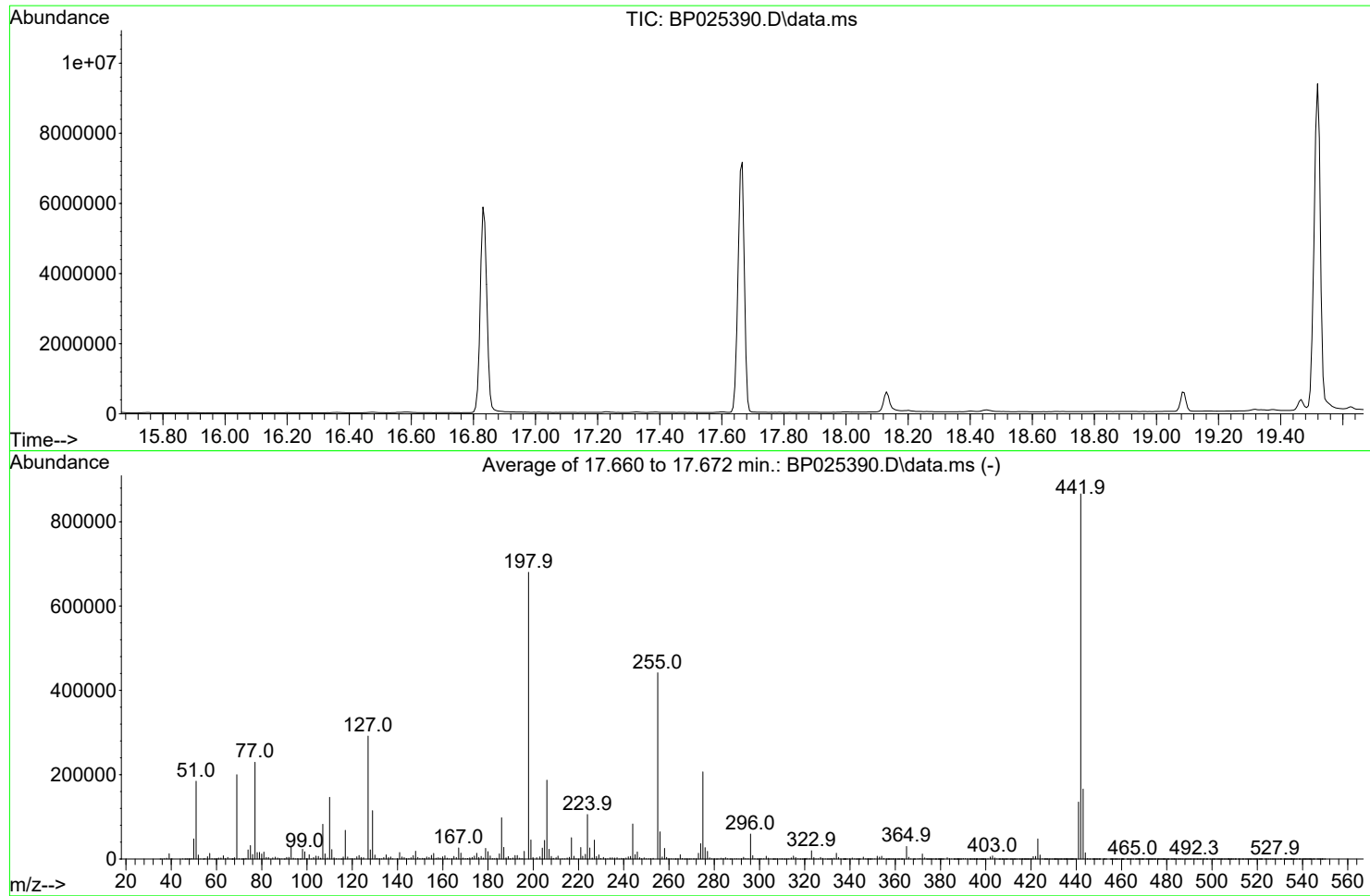
Date	Instrument Name	DFTPP Data File
8/21/2025	BNA_F	<u>BF143517.D</u>
Compound Name	Response	Retention Time
DDT	346568	13.61
DDD	14042	13.31
DDE	896	12.974
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
14938	361506	4.13

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



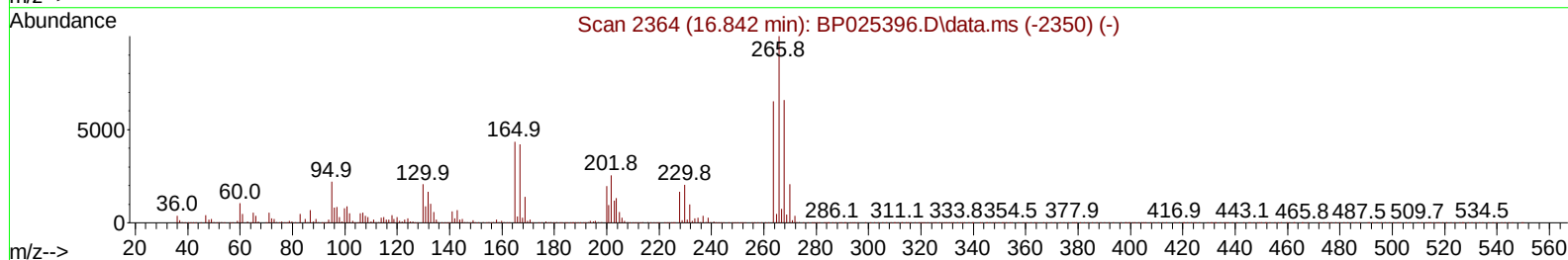
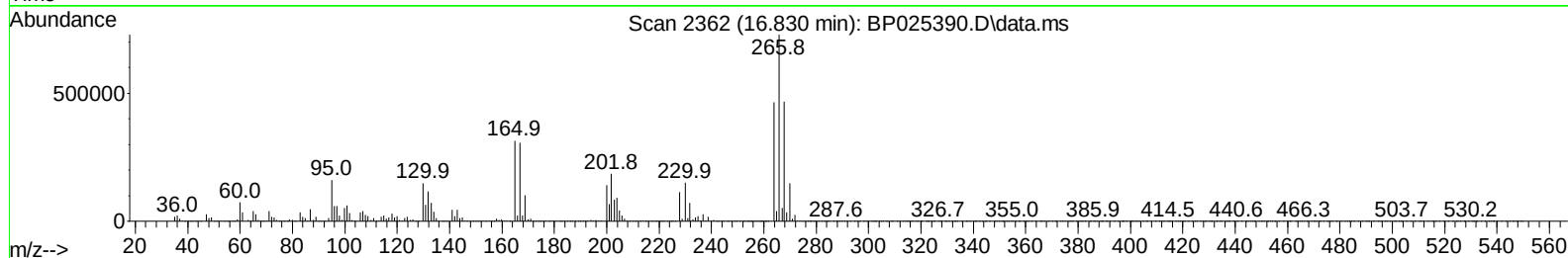
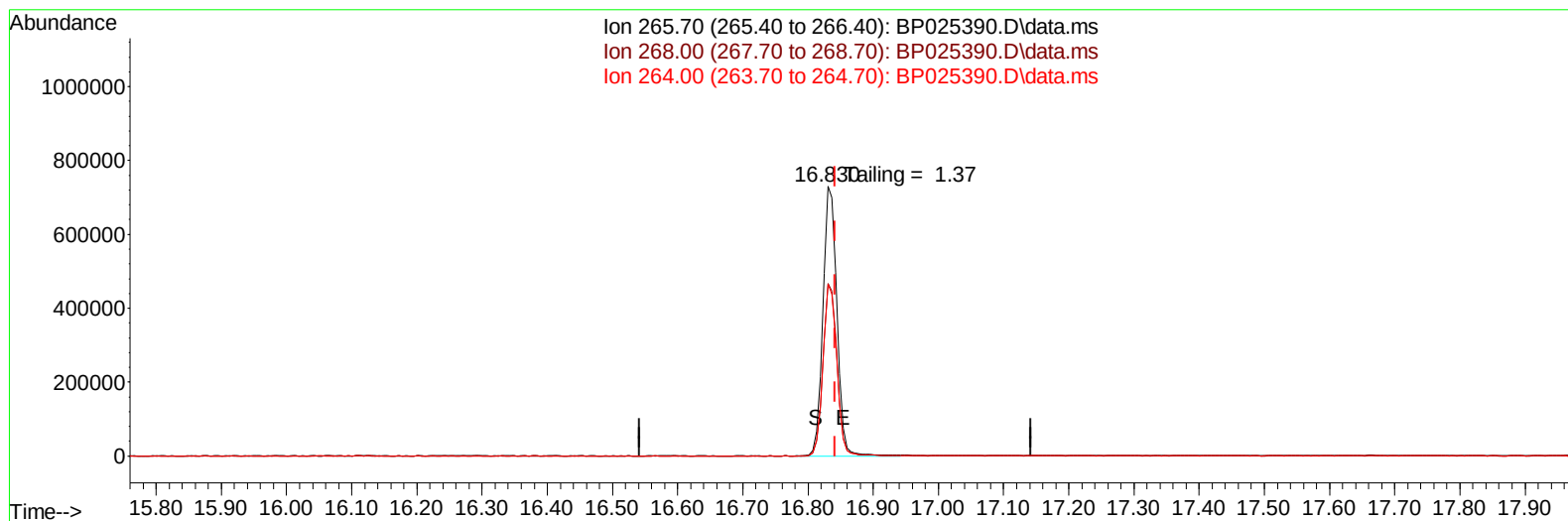
AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2494

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.6	3290	PASS
69	69	100	100	100.0	199967	PASS
70	69	0.00	2	0.4	716	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	680138	PASS
199	198	5	9	6.7	45247	PASS
365	198	1	100	4.4	29981	PASS
441	443	0.01	150	81.3	135091	PASS
442	442	100	100	100.0	866023	PASS
443	442	15	24	19.2	166133	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025390.D\data.ms

(70) Pentachlorophenol (C)

16.830min (-0.012) 61985.64 ng

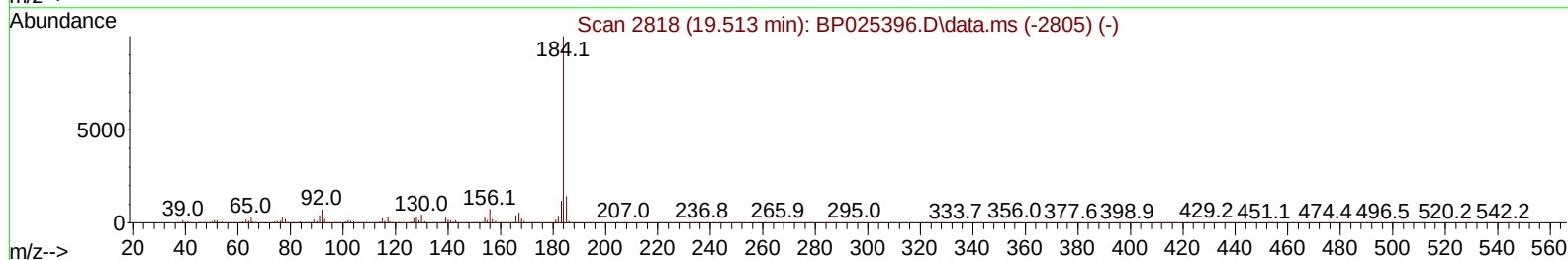
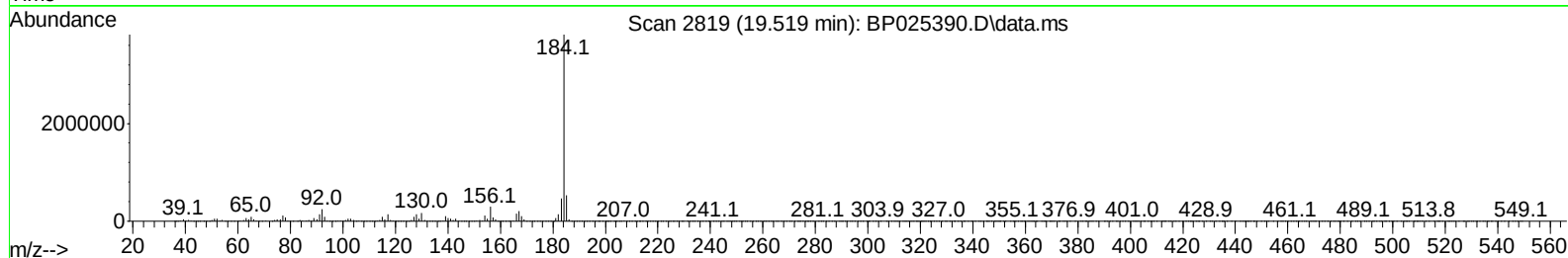
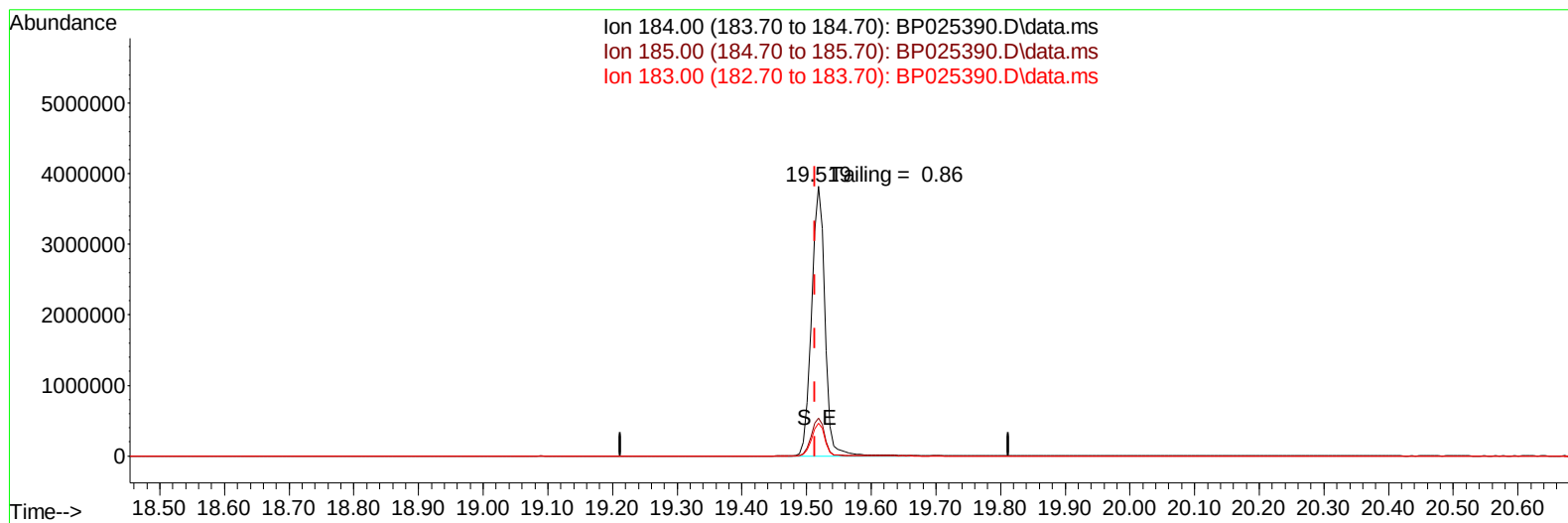
response 1096483

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.04
264.00	65.00	63.79
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025390.D\data.ms

(77) Benzidine

19.519min (+ 0.006) 64482.34 ng

response 5499416

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.03
183.00	11.80	12.10
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

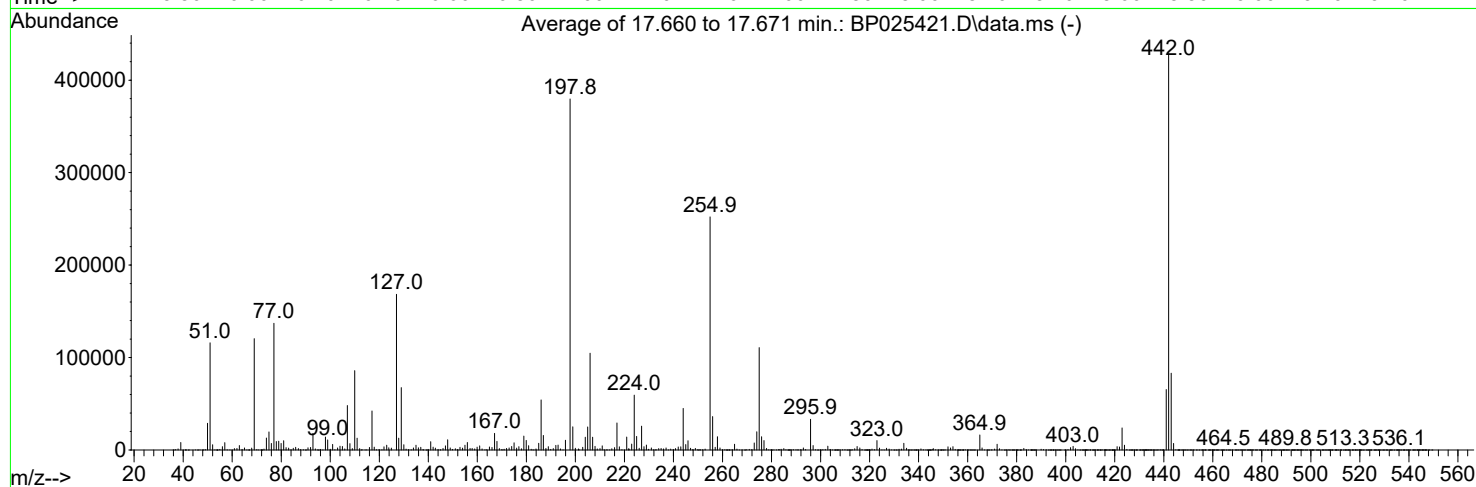
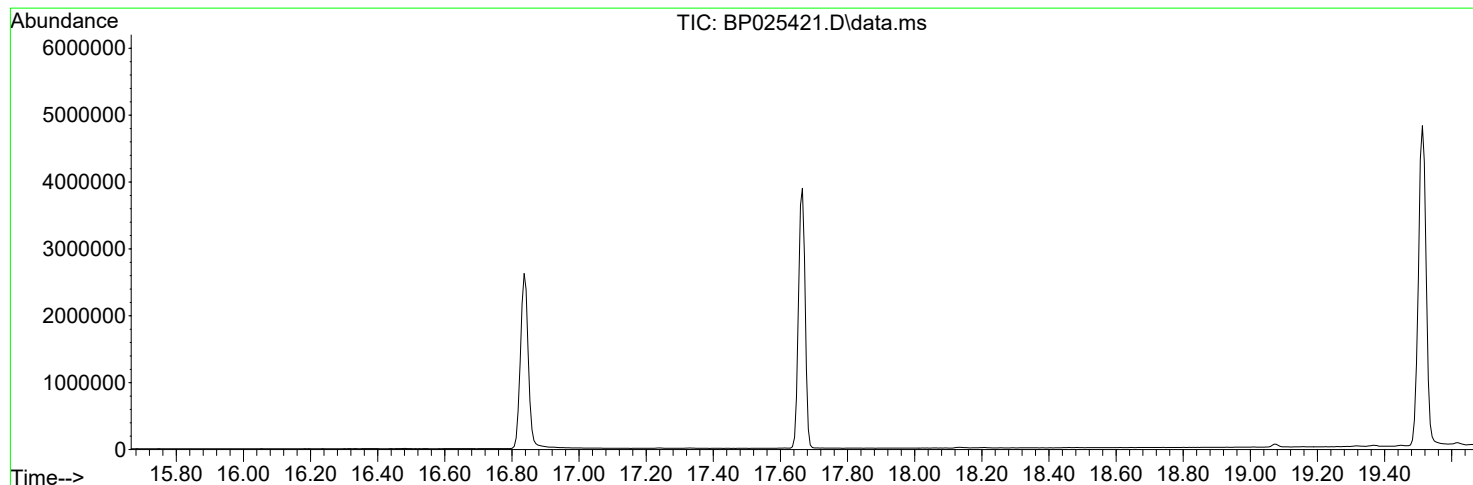
Date	Instrument Name	DFTPP Data File
8/14/2025	BNA_P	<u>BP025390.D</u>
Compound Name	Response	Retention Time
DDT	2976098	20.818
DDD	52170	20.407
DDE	9165	19.824
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
61335	3037433	2.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025421.D
Acq On : 15 Aug 2025 09:55
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



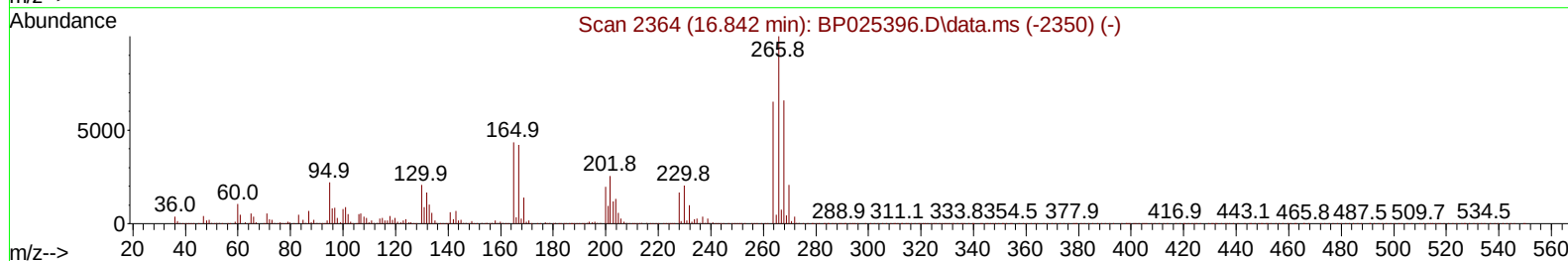
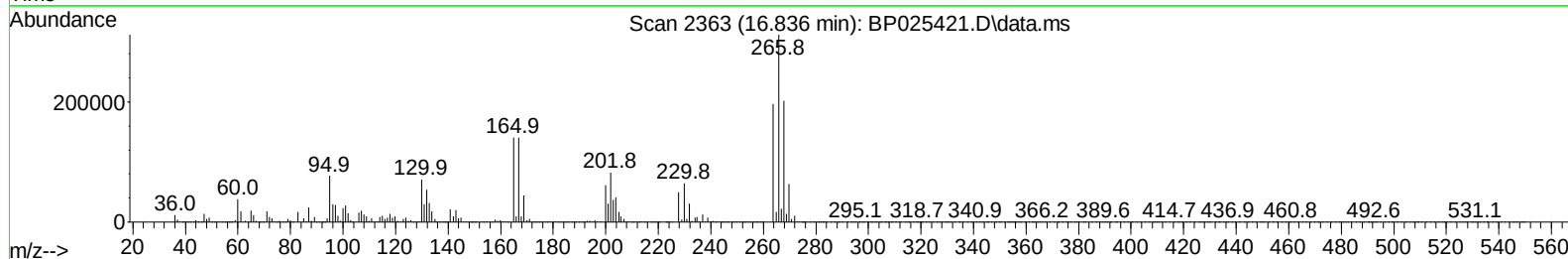
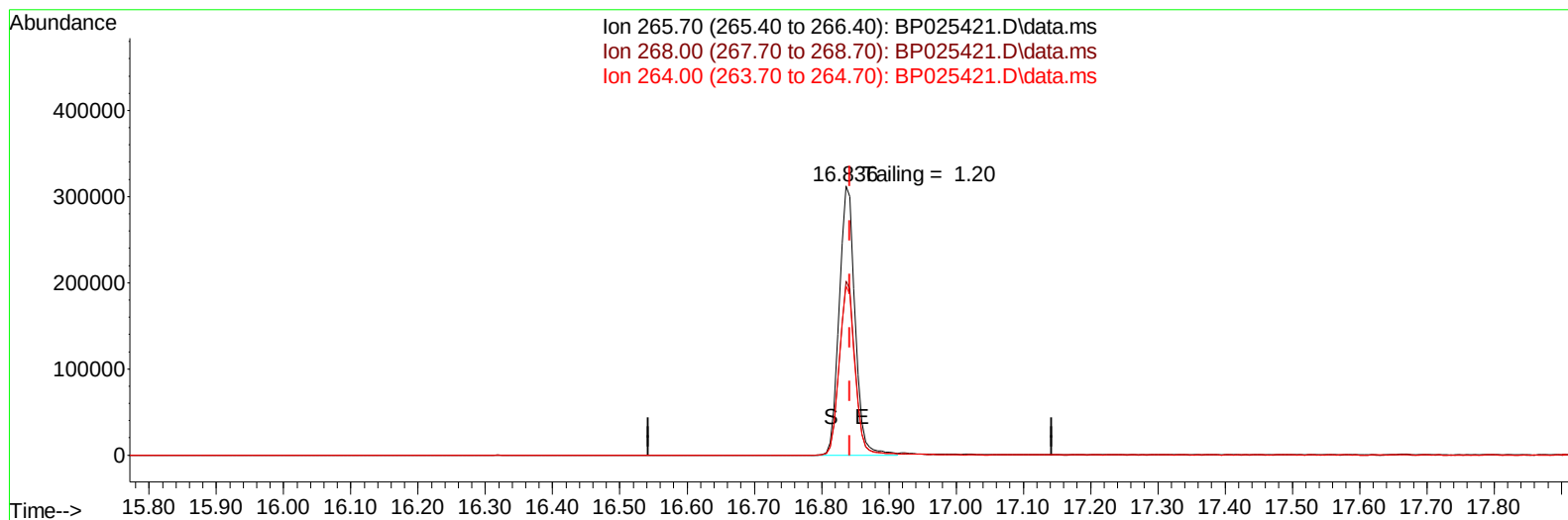
AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2494

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	2159	PASS
69	69	100	100	100.0	120418	PASS
70	69	0.00	2	0.5	621	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	379747	PASS
199	198	5	9	6.6	25040	PASS
365	198	1	100	4.3	16274	PASS
441	443	0.01	150	78.6	65352	PASS
442	442	100	100	100.0	427047	PASS
443	442	15	24	19.5	83115	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025421.D
Acq On : 15 Aug 2025 09:55
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 15 11:28:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025421.D\data.ms

(70) Pentachlorophenol (C)

16.836min (-0.006) 99008.85 ng

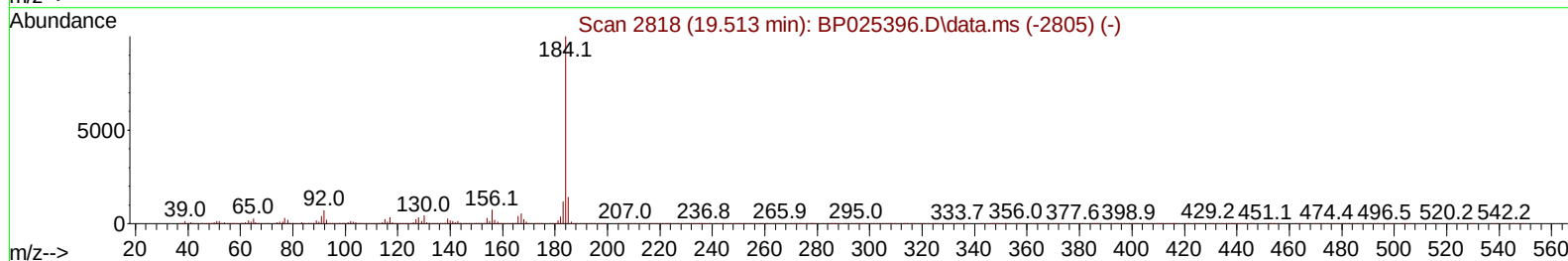
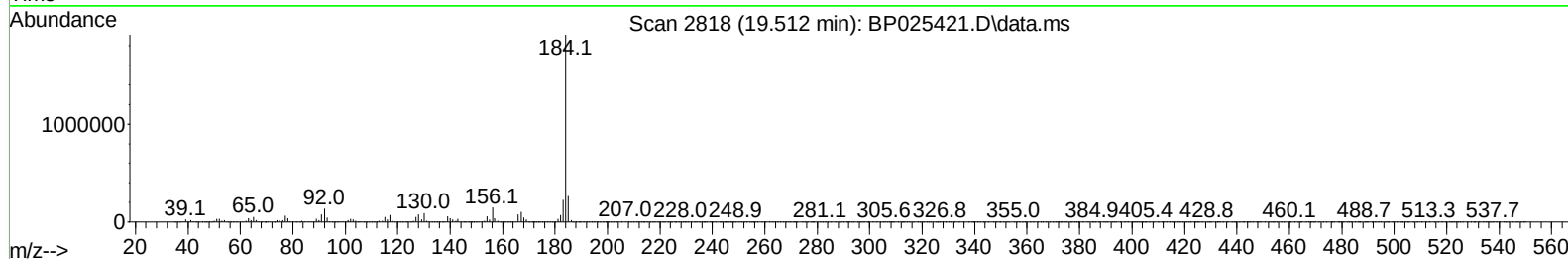
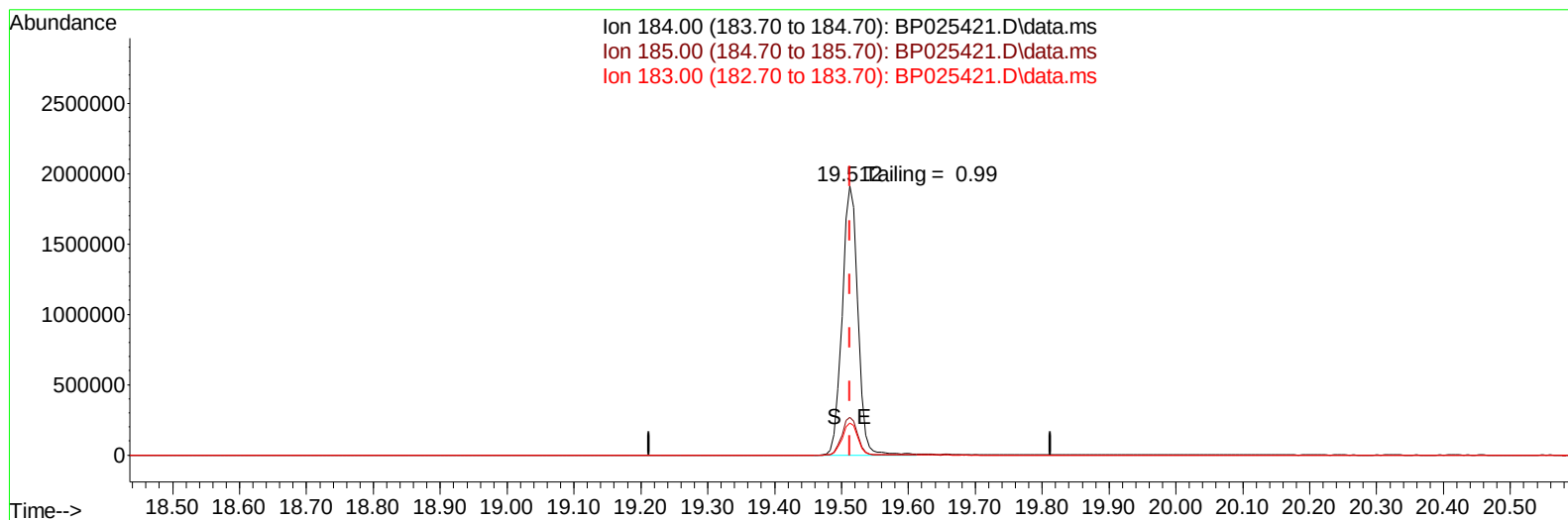
response 510758

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.63
264.00	65.00	62.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025421.D
Acq On : 15 Aug 2025 09:55
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 15 11:28:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025421.D\data.ms

(77) Benzidine

19.512min (-0.000) 55650.72 ng

response 3124253

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.04
183.00	11.80	11.97
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

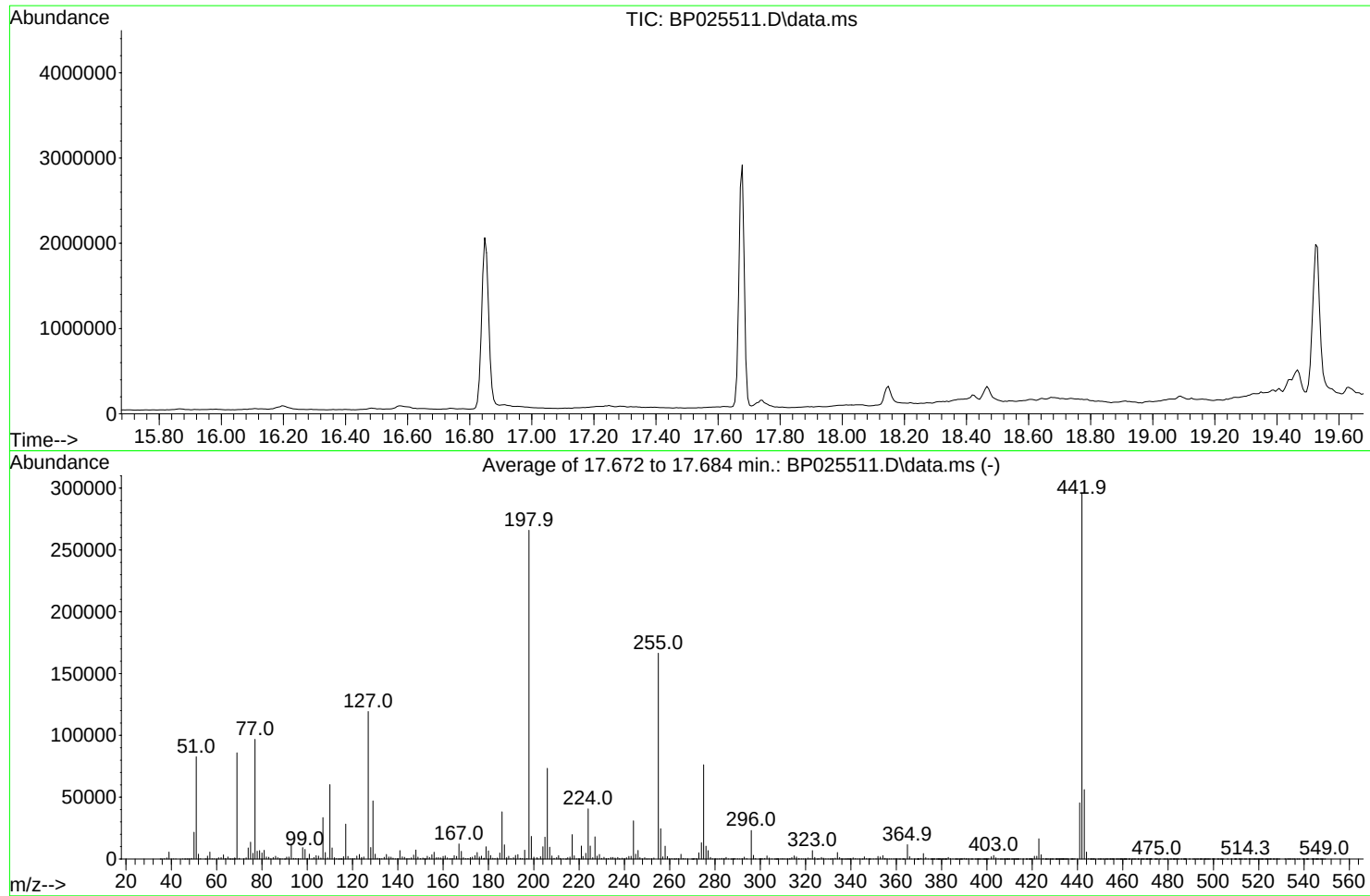
Date	Instrument Name	DFTPP Data File
8/15/2025	BNA_P	<u>BP025421.D</u>
Compound Name	Response	Retention Time
DDT	1519310	20.812
DDD	29585	20.348
DDE	4915	19.818
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
34500	1553810	2.22

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025511.D
Acq On : 20 Aug 2025 17:04
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



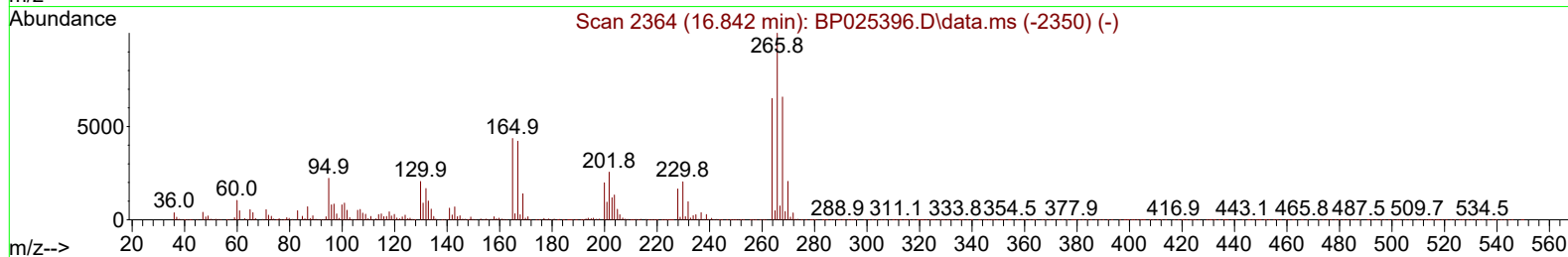
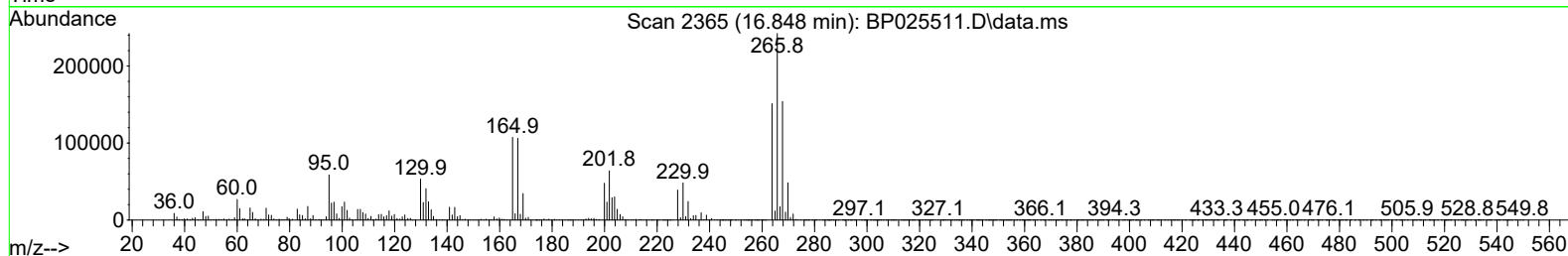
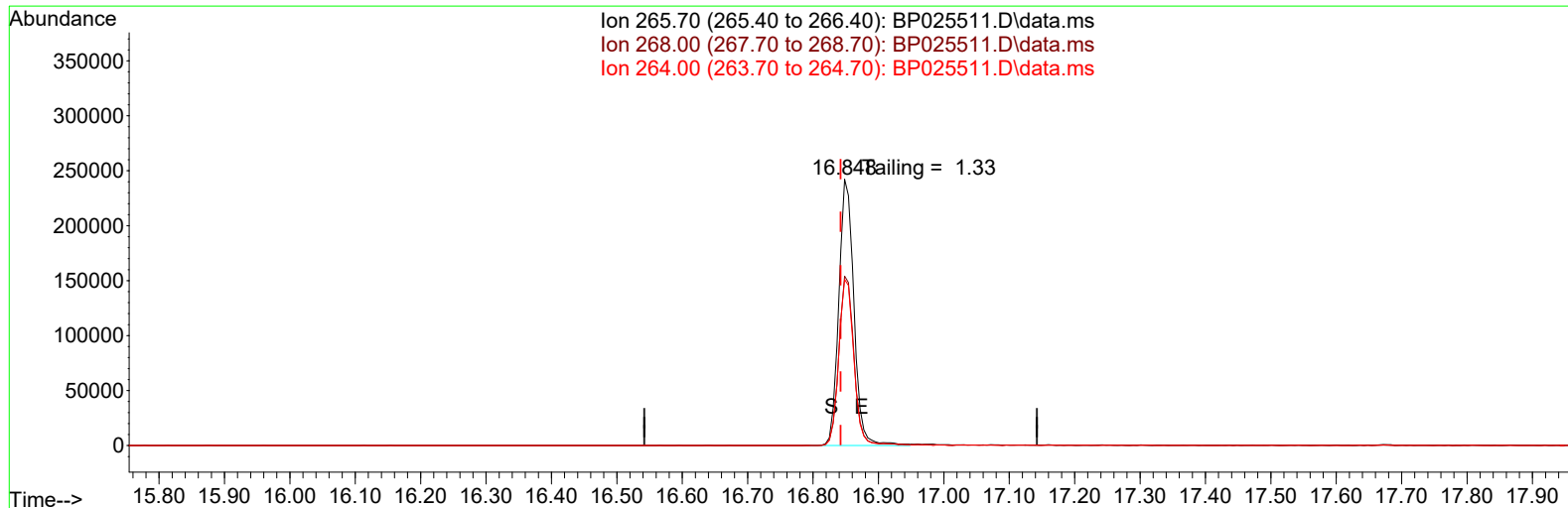
AutoFind: Scans 2505, 2506, 2507; Background Corrected with Scan 2494

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.1	967	PASS
69	69	100	100	100.0	85970	PASS
70	69	0.00	2	0.7	593	PASS
197	198	0.00	2	0.2	540	PASS
198	198	100	100	100.0	265973	PASS
199	198	5	9	6.9	18267	PASS
365	198	1	100	4.4	11643	PASS
441	443	0.01	150	80.9	45462	PASS
442	442	100	100	100.0	295314	PASS
443	442	15	24	19.0	56176	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025511.D
Acq On : 20 Aug 2025 17:04
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:41:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025511.D\data.ms

(70) Pentachlorophenol (C)

16.848min (+ 0.006) 19981.54 ng

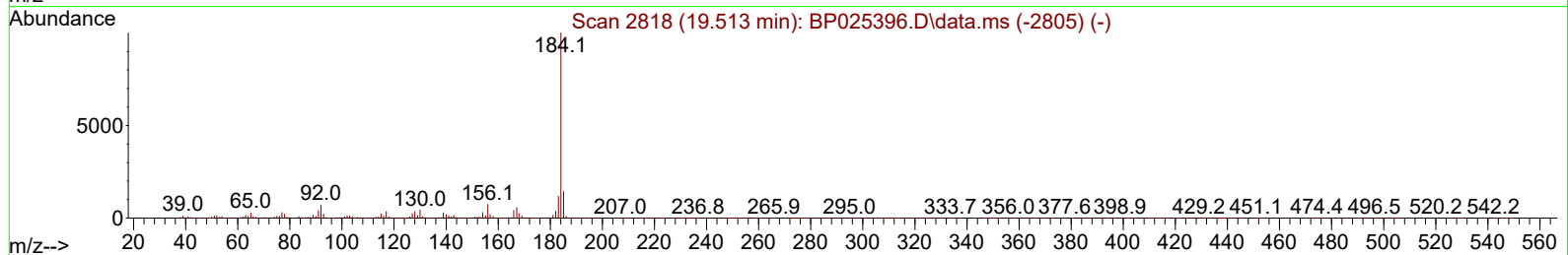
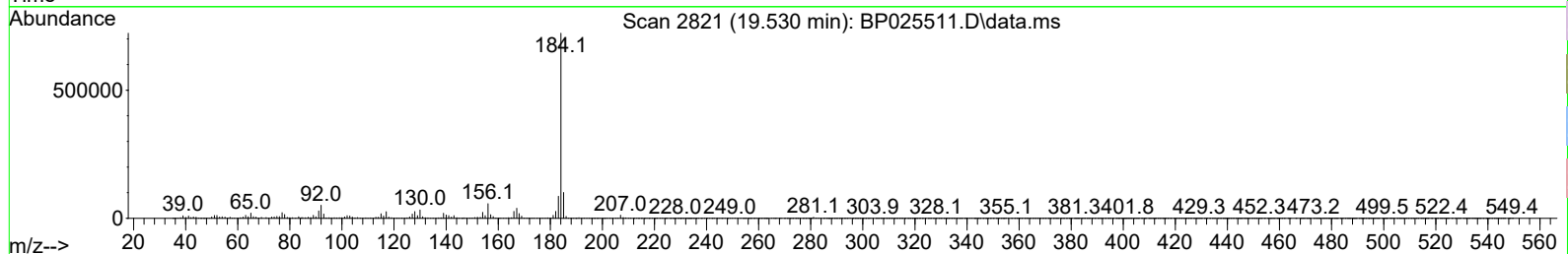
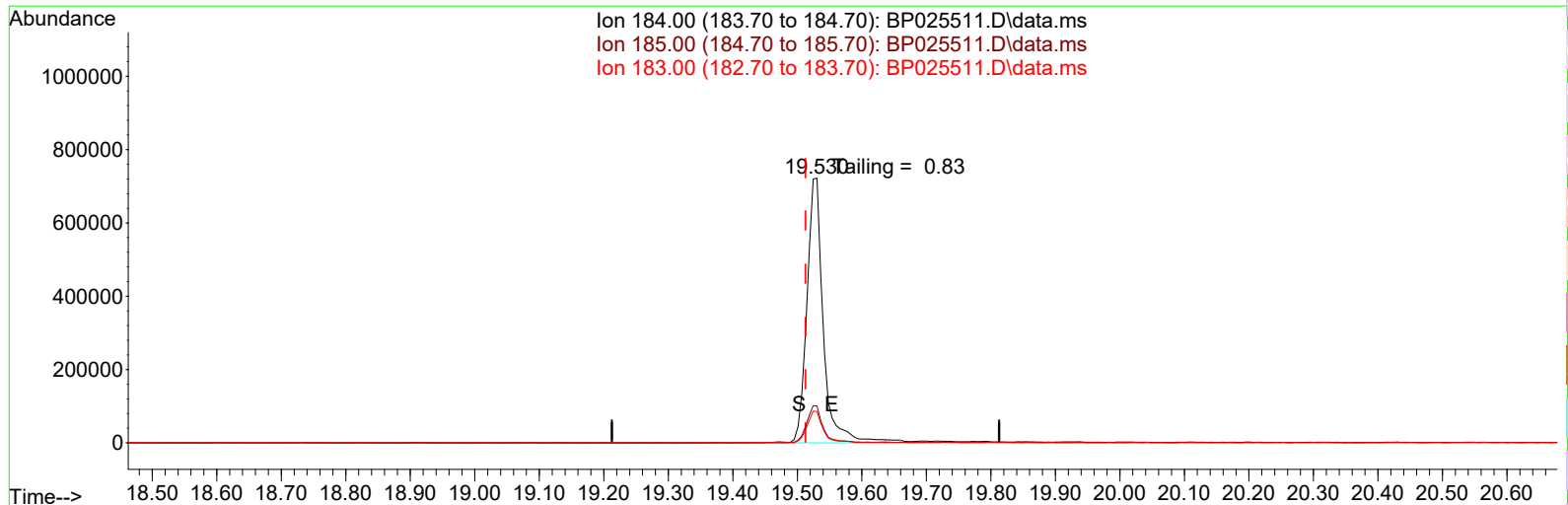
response 390285

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	63.60
264.00	65.00	62.36
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025511.D
Acq On : 20 Aug 2025 17:04
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:41:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025511.D\data.ms

(77) Benzidine

19.530min (+ 0.018) 12499.23 ng

response 1286969

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.98
183.00	11.80	11.89
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/20/2025	BNA_P	<u>BP025511.D</u>
Compound Name	Response	Retention Time
DDT	1084945	20.825
DDD	23682	20.366
DDE	2473	19.836
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
26155	1111100	2.35

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BL	SDG No.:	Q2814
Lab Sample ID:	PB169223BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143378.D	1	08/12/25 09:55	08/14/25 13:25	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BL	SDG No.:	Q2814
Lab Sample ID:	PB169223BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143378.D	1	08/12/25 09:55	08/14/25 13:25	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BL	SDG No.:	Q2814
Lab Sample ID:	PB169223BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143378.D	1	08/12/25 09:55	08/14/25 13:25	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122		19 - 119		81%	SPK: 150
13127-88-3	Phenol-d6	120		10 - 130		80%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.4		44 - 120		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.7		44 - 119		85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		43 - 140		106%	SPK: 150
1718-51-0	Terphenyl-d14	90.2		50 - 134		90%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155000		6.934			
1146-65-2	Naphthalene-d8	597000		8.21			
15067-26-2	Acenaphthene-d10	323000		9.969			
1517-22-2	Phenanthrene-d10	522000		11.457			
1719-03-5	Chrysene-d12	333000		14.098			
1520-96-3	Perylene-d12	283000		15.592			
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.30	J			2.31	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.90	A			5.17	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BL	SDG No.:	Q2814
Lab Sample ID:	PB169223BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143378.D	1	08/12/25 09:55	08/14/25 13:25	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143378.D
Acq On : 14 Aug 2025 13:25
Operator : RC/JU
Sample : PB169223BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169223BL

Quant Time: Aug 14 13:47:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	154726	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	596838	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	323008	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	521634	20.000	ng	0.00
76) Chrysene-d12	14.098	240	333271	20.000	ng	0.00
86) Perylene-d12	15.592	264	283492	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1089189	121.731	ng	0.01
7) Phenol-d6	6.563	99	1377178	120.025	ng	0.00
23) Nitrobenzene-d5	7.487	82	895271	93.412	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	375791	159.192	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1613674	84.716	ng	0.00
79) Terphenyl-d14	13.039	244	1682986	90.158	ng	0.00

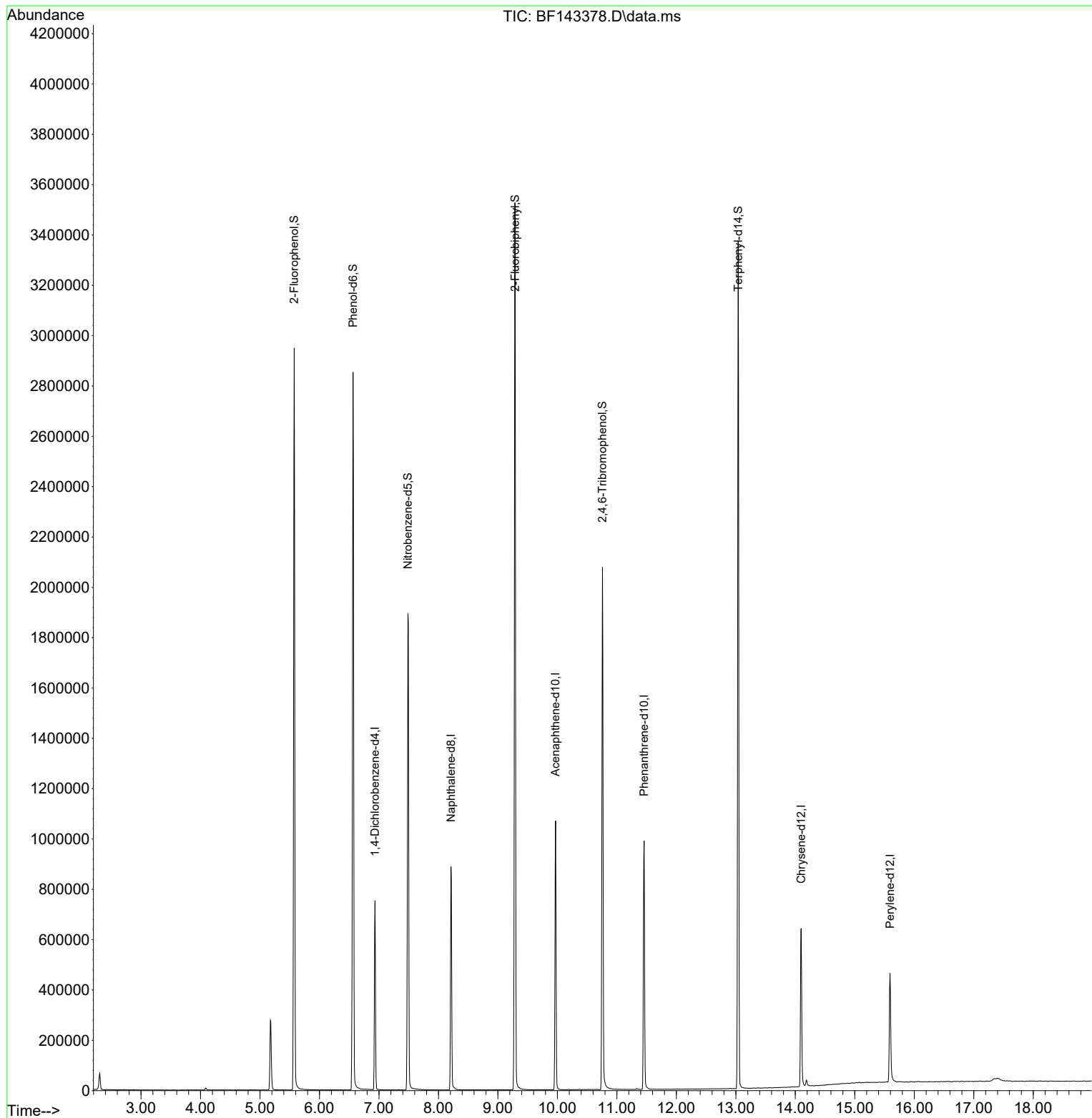
Target Compounds	Qvalue

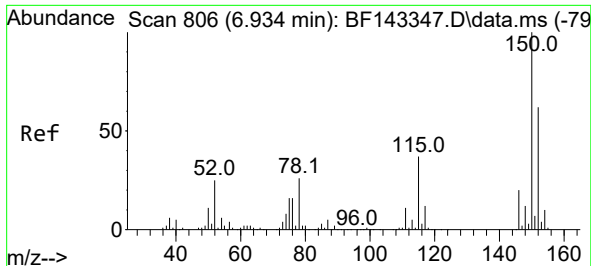
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143378.D
Acq On : 14 Aug 2025 13:25
Operator : RC/JU
Sample : PB169223BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169223BL

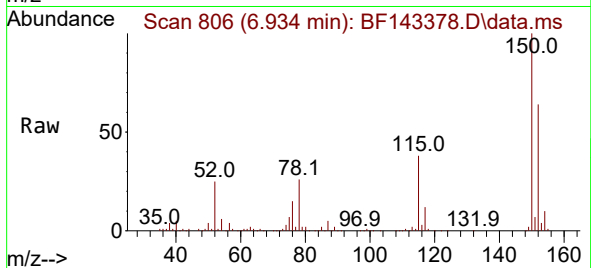
Quant Time: Aug 14 13:47:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



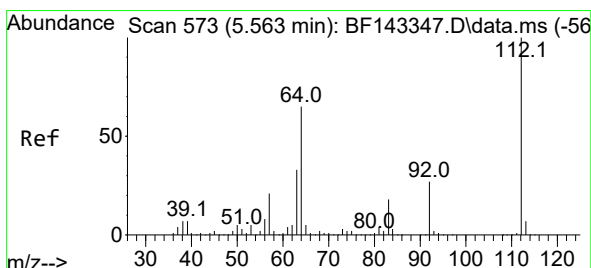
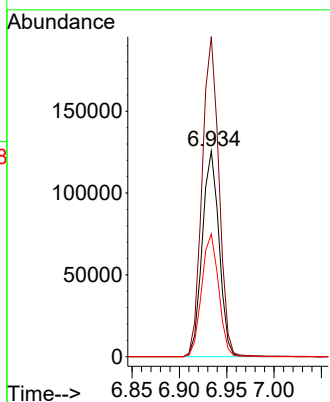
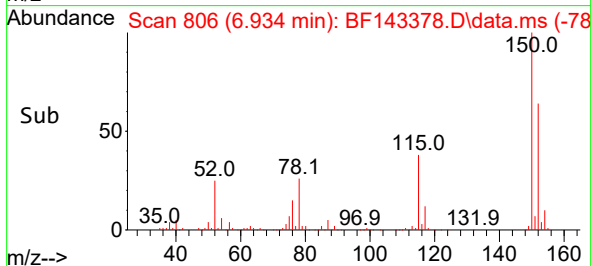


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143378.D
Acq: 14 Aug 2025 13:25

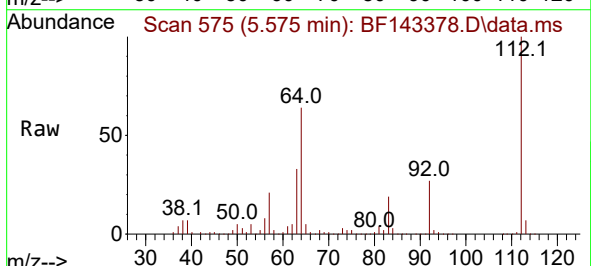
Instrument :
BNA_F
ClientSampleId :
PB169223BL



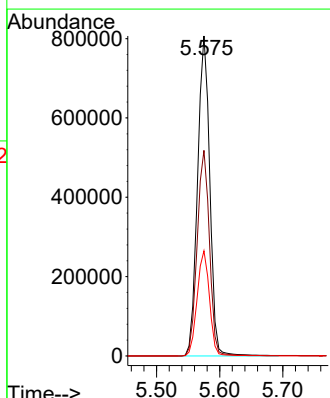
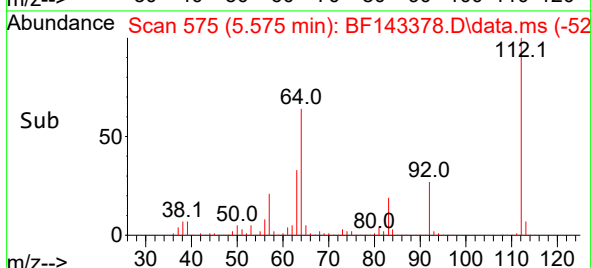
Tgt Ion:152 Resp: 154726
Ion Ratio Lower Upper
152 100
150 155.6 129.8 194.8
115 59.7 47.8 71.8

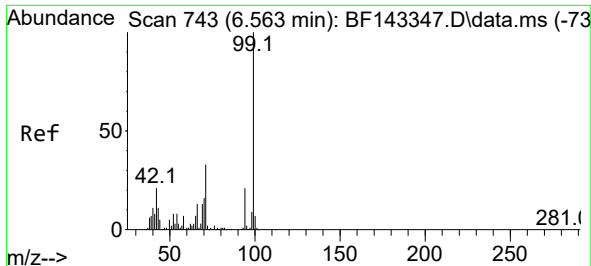


#5
2-Fluorophenol
Concen: 121.731 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143378.D
Acq: 14 Aug 2025 13:25



Tgt Ion:112 Resp: 1089189
Ion Ratio Lower Upper
112 100
64 64.2 52.1 78.1
63 32.8 26.6 39.8

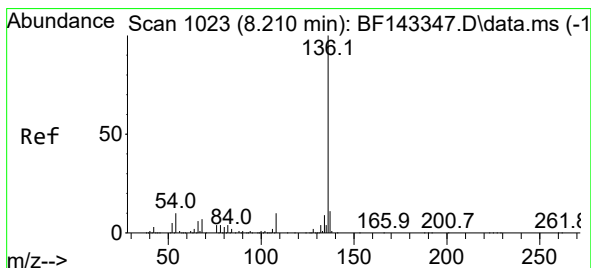
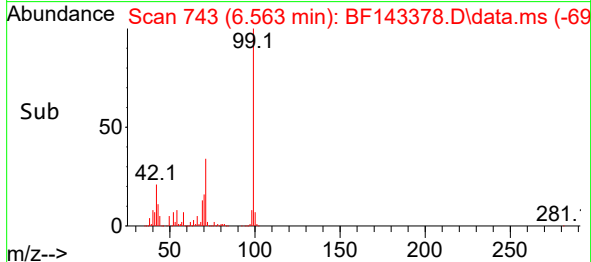
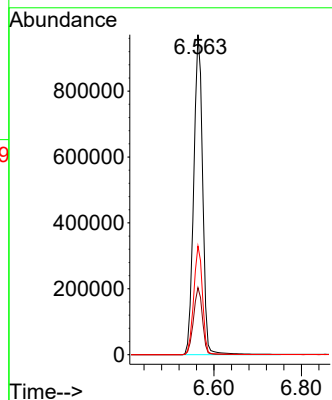
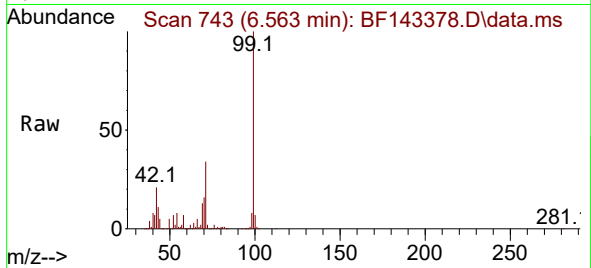




#7
Phenol-d6
Concen: 120.025 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143378.D
Acq: 14 Aug 2025 13:25

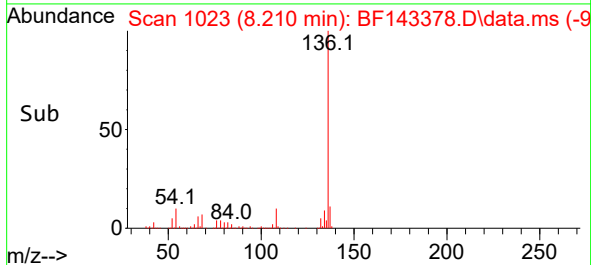
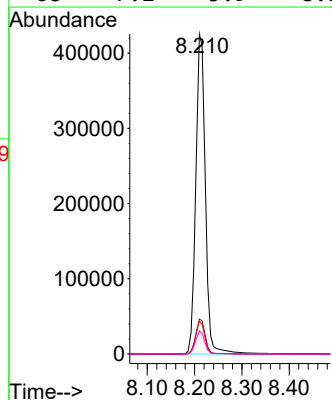
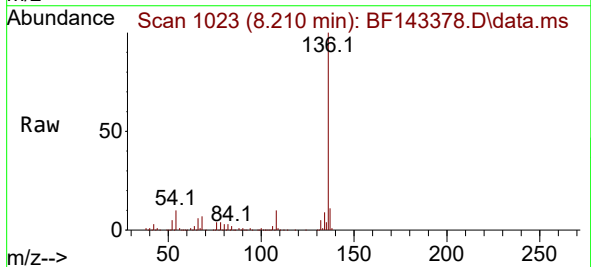
Instrument :
BNA_F
ClientSampleId :
PB169223BL

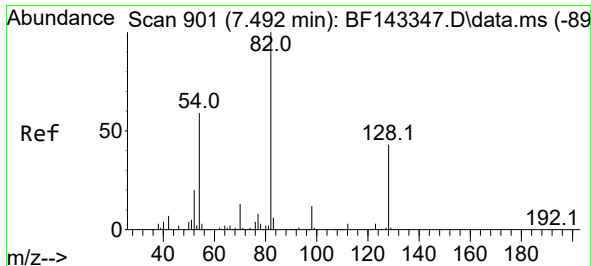
Tgt Ion: 99 Resp: 1377178
Ion Ratio Lower Upper
99 100
42 21.0 16.6 25.0
71 33.9 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143378.D
Acq: 14 Aug 2025 13:25

Tgt Ion: 136 Resp: 596838
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.2 8.4 12.6
68 7.2 5.9 8.9





#23

Nitrobenzene-d5

Concen: 93.412 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143378.D

Acq: 14 Aug 2025 13:25

Instrument :

BNA_F

ClientSampleId :

PB169223BL

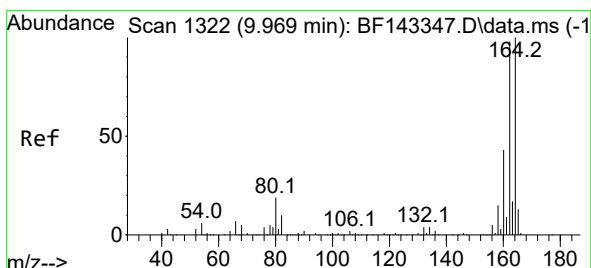
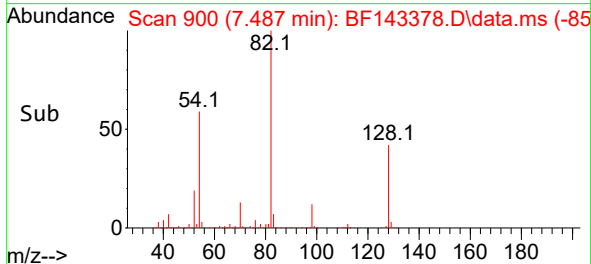
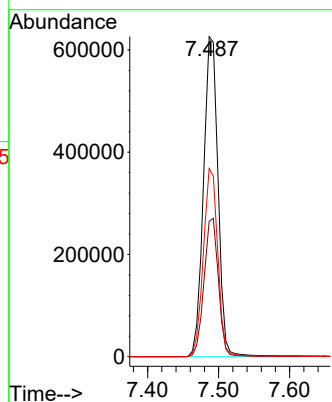
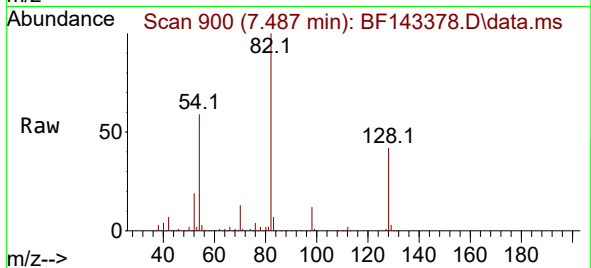
Tgt Ion: 82 Resp: 895271

Ion Ratio Lower Upper

82 100

128 42.3 33.5 50.3

54 58.8 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143378.D

Acq: 14 Aug 2025 13:25

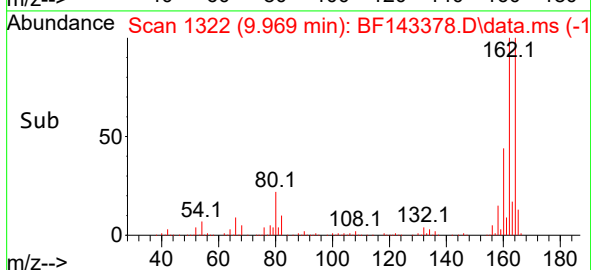
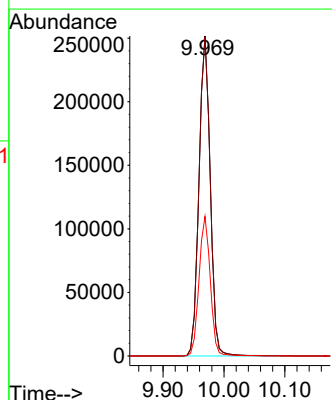
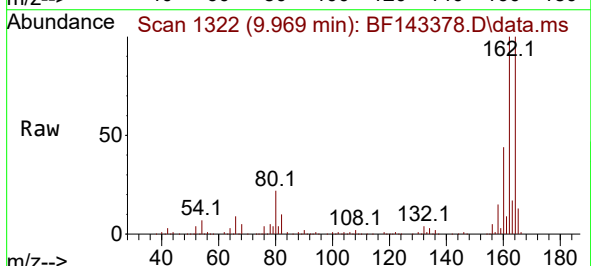
Tgt Ion: 164 Resp: 323008

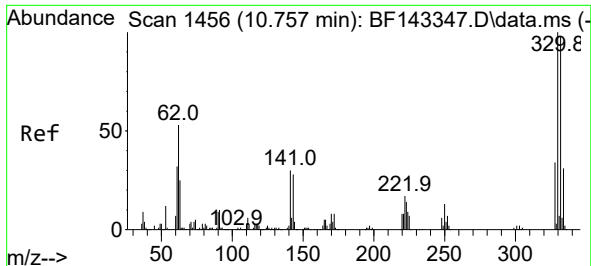
Ion Ratio Lower Upper

164 100

162 99.8 78.6 118.0

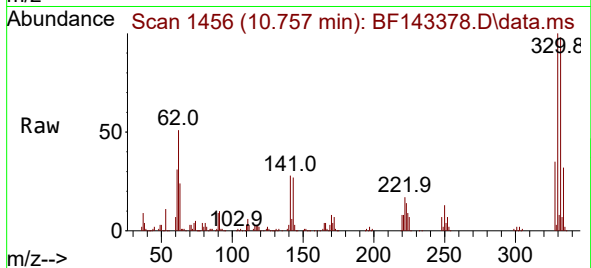
160 43.6 34.4 51.6



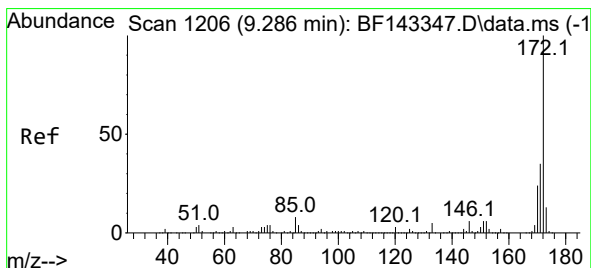
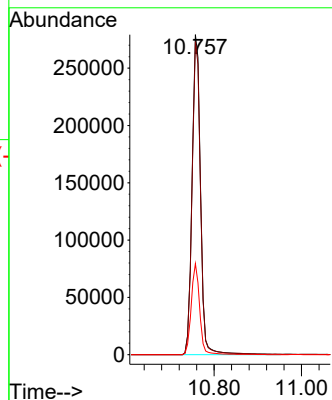
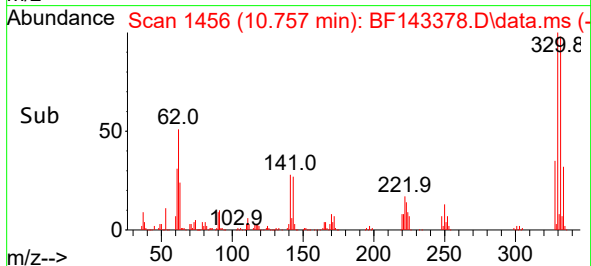


#42
2,4,6-Tribromophenol
Concen: 159.192 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143378.D
Acq: 14 Aug 2025 13:25

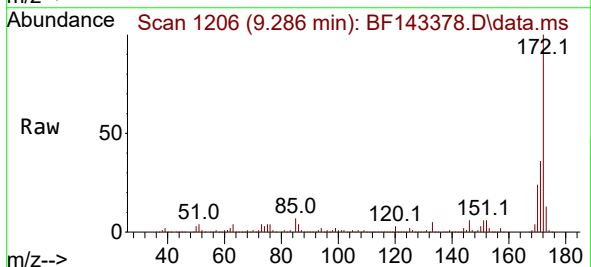
Instrument :
BNA_F
ClientSampleId :
PB169223BL



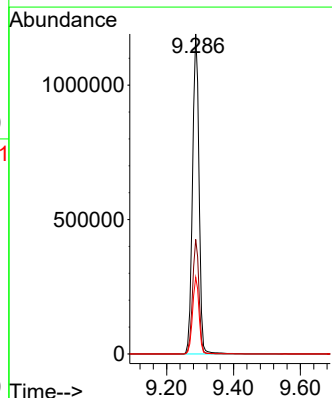
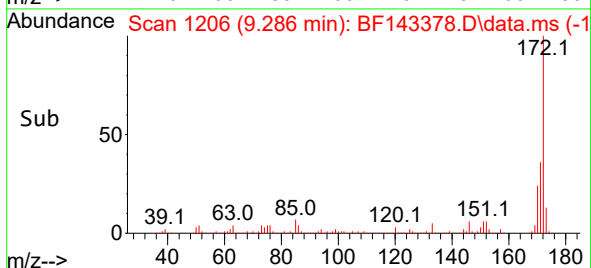
Tgt Ion:330 Resp: 375791
Ion Ratio Lower Upper
330 100
332 97.5 78.1 117.1
141 28.4 25.4 38.0

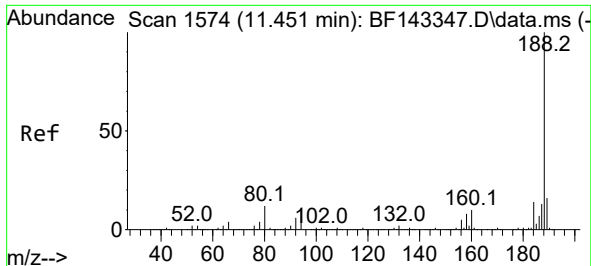


#45
2-Fluorobiphenyl
Concen: 84.716 ng
RT: 9.286 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143378.D
Acq: 14 Aug 2025 13:25



Tgt Ion:172 Resp: 1613674
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 24.0 19.1 28.7

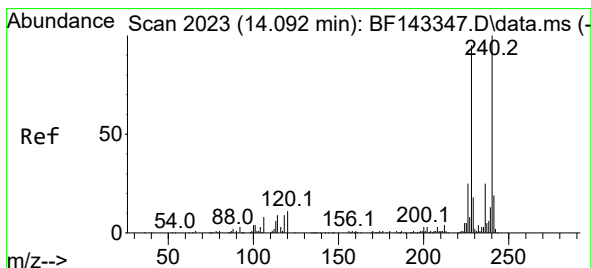
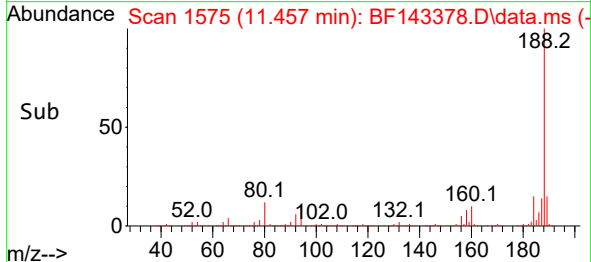
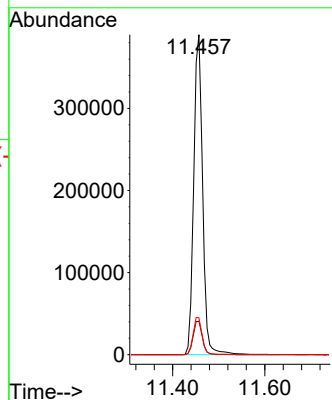
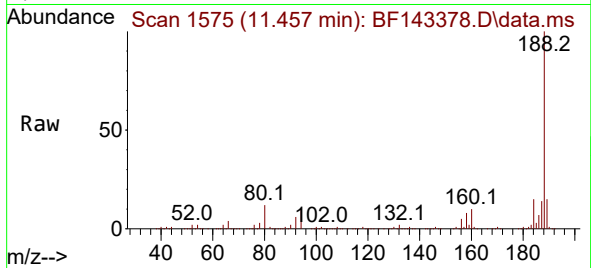




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143378.D
Acq: 14 Aug 2025 13:25

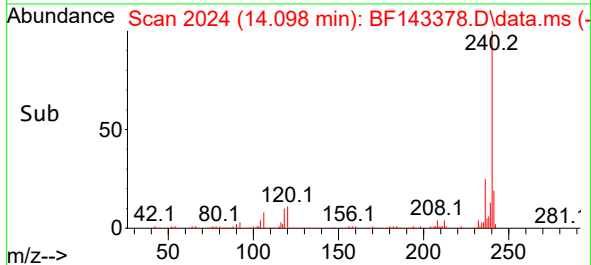
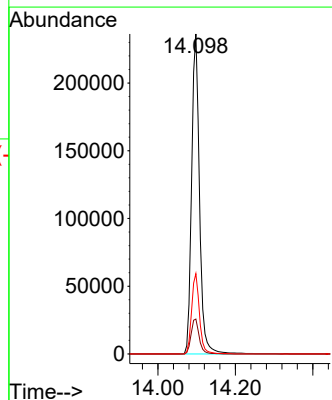
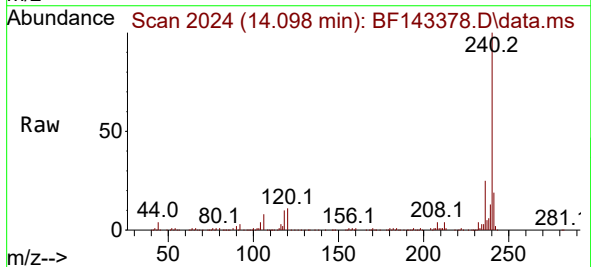
Instrument :
BNA_F
ClientSampleId :
PB169223BL

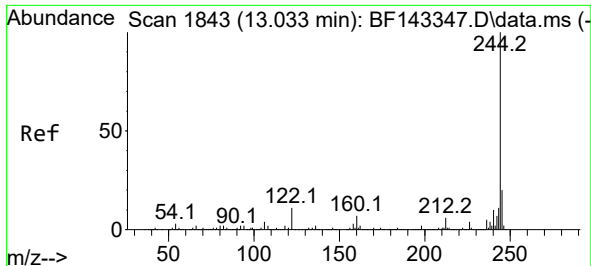
Tgt Ion:188 Resp: 521634
Ion Ratio Lower Upper
188 100
94 10.4 8.8 13.2
80 11.6 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143378.D
Acq: 14 Aug 2025 13:25

Tgt Ion:240 Resp: 333271
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 25.1 19.9 29.9

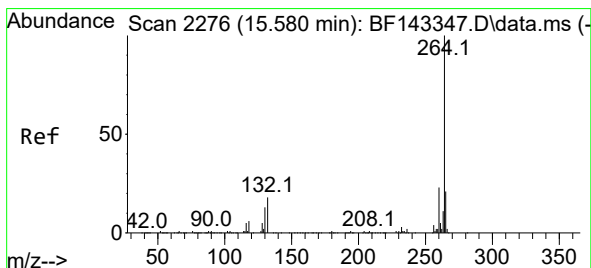
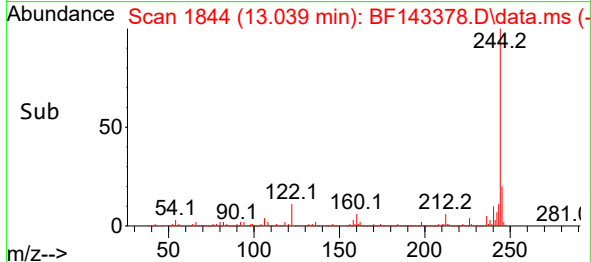
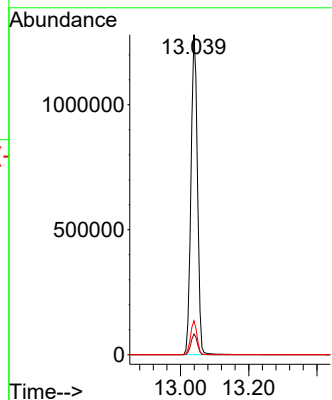
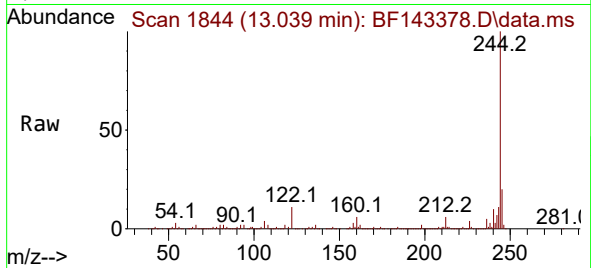




#79
 Terphenyl-d14
 Concen: 90.158 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143378.D
 Acq: 14 Aug 2025 13:25

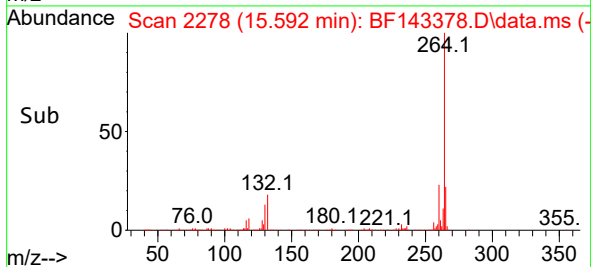
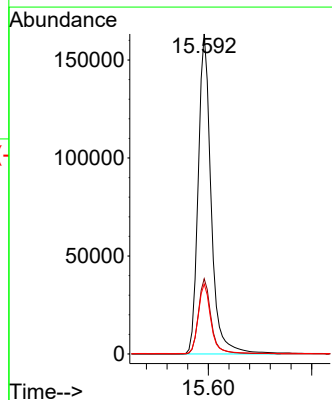
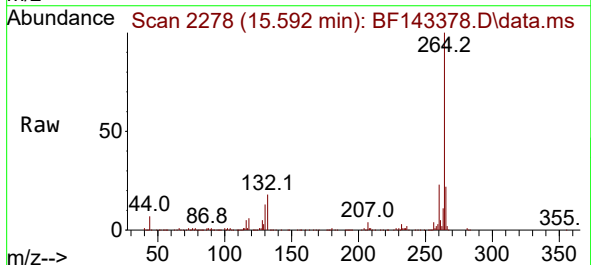
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BL

Tgt Ion:244 Resp: 1682986
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 10.6 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. 0.012 min
 Lab File: BF143378.D
 Acq: 14 Aug 2025 13:25

Tgt Ion:264 Resp: 283492
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.8 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143378.D
Acq On : 14 Aug 2025 13:25
Operator : RC/JU
Sample : PB169223BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169223BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143378.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.305	10	19	25	rVB	63241	107119	2.26%	0.360%
2	5.175	501	507	523	rBV	276202	458509	9.69%	1.541%
3	5.575	569	575	595	rBV	2948383	3997821	84.48%	13.434%
4	6.563	737	743	768	rBV	2852207	4053539	85.66%	13.622%
5	6.934	801	806	811	rBV	751048	928139	19.61%	3.119%
6	7.487	894	900	931	rBV	1893572	2737598	57.85%	9.199%
7	8.210	1017	1023	1045	rBV	887839	1231415	26.02%	4.138%
8	9.286	1200	1206	1233	rBV	3524589	4732312	100.00%	15.902%
9	9.969	1316	1322	1338	rBV	1068792	1374487	29.04%	4.619%
10	10.757	1450	1456	1475	rBV	2076295	2779597	58.74%	9.341%
11	11.457	1569	1575	1595	rBV	988037	1319395	27.88%	4.434%
12	13.039	1838	1844	1863	rBV	3369237	4417687	93.35%	14.845%
13	14.098	2018	2024	2034	rBV	628959	879170	18.58%	2.954%
14	15.592	2272	2278	2298	rBV	433301	741513	15.67%	2.492%

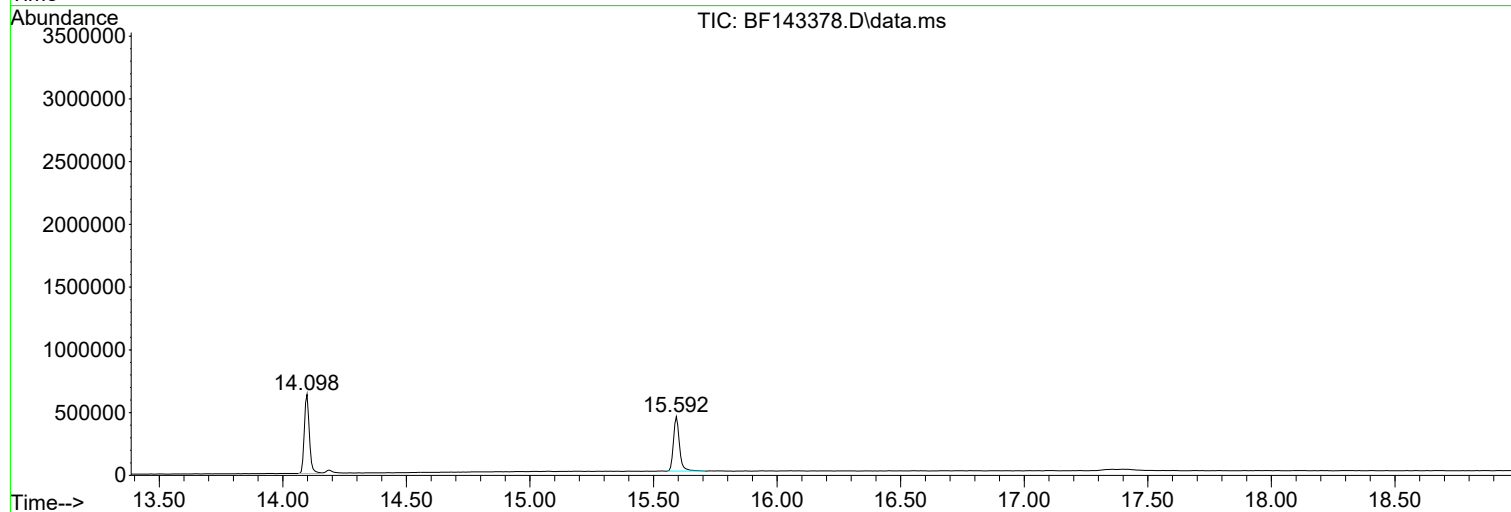
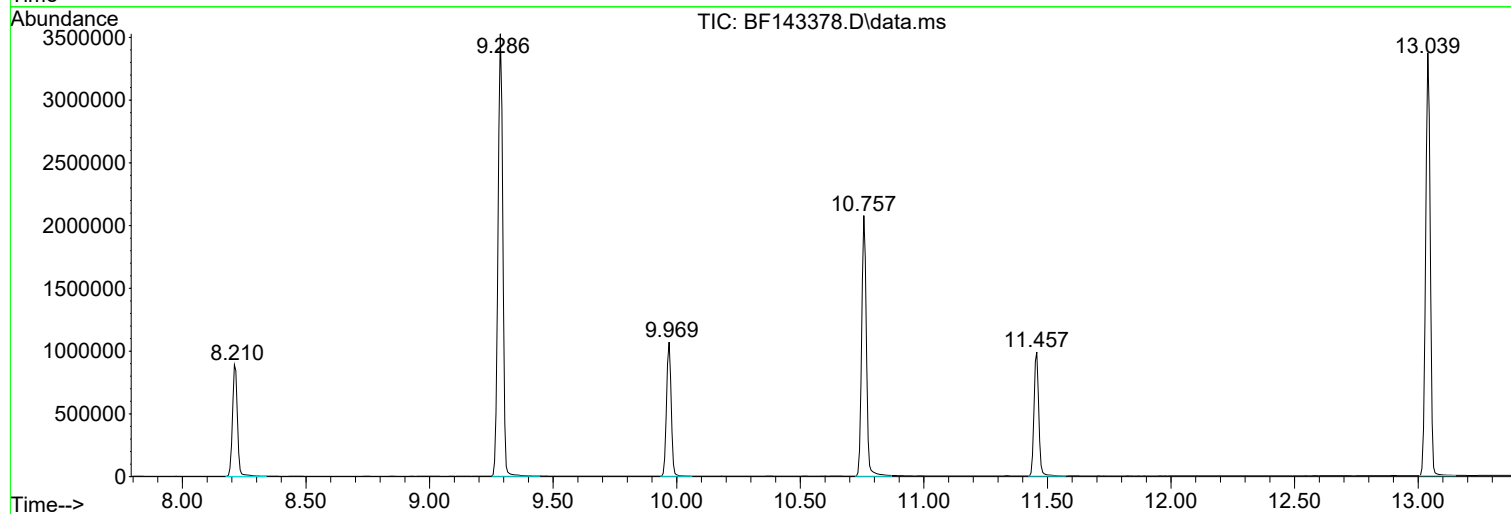
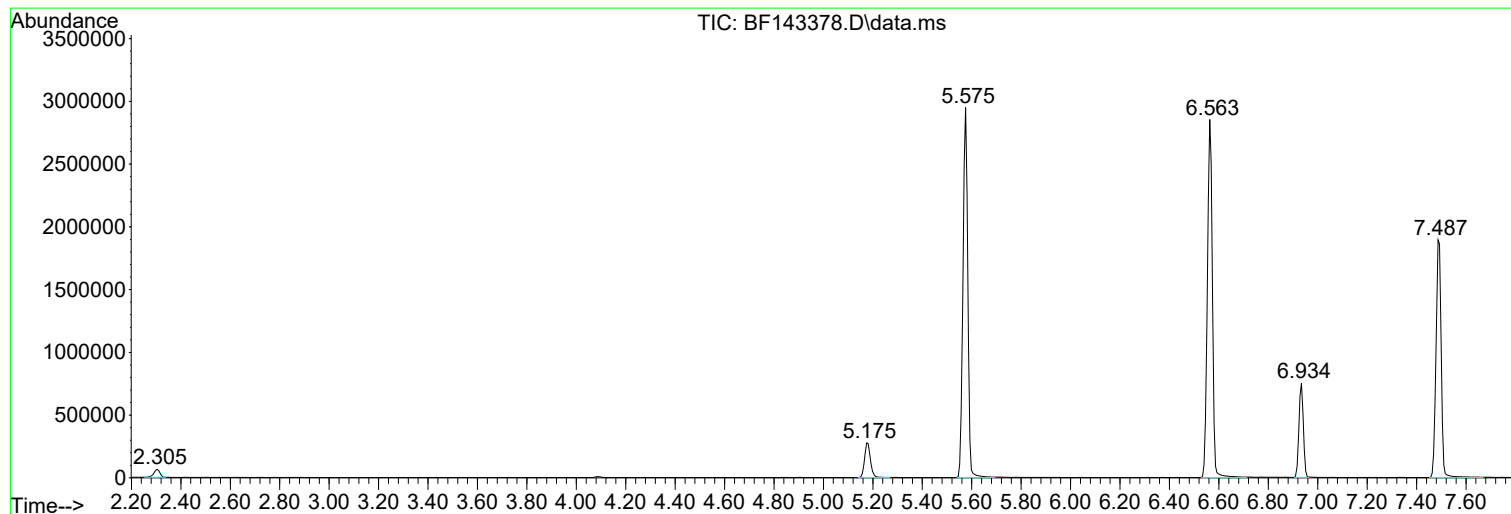
Sum of corrected areas: 29758301

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143378.D
Acq On : 14 Aug 2025 13:25
Operator : RC/JU
Sample : PB169223BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169223BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143378.D
Acq On : 14 Aug 2025 13:25
Operator : RC/JU
Sample : PB169223BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169223BL

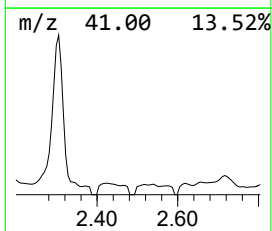
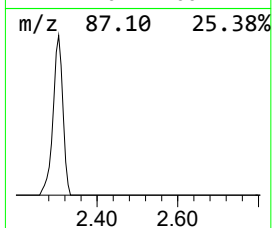
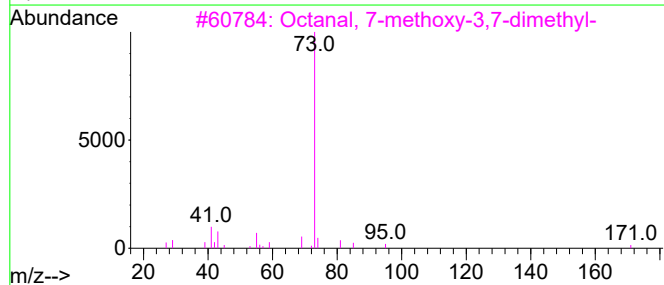
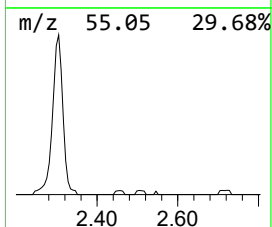
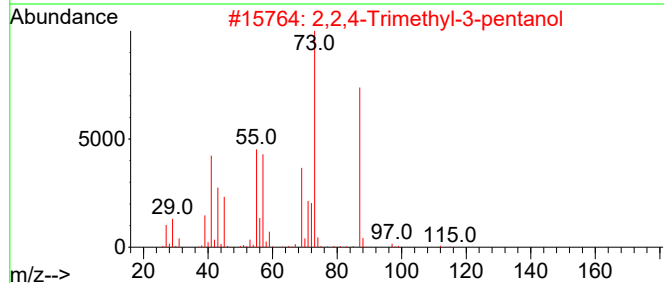
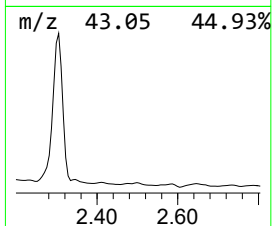
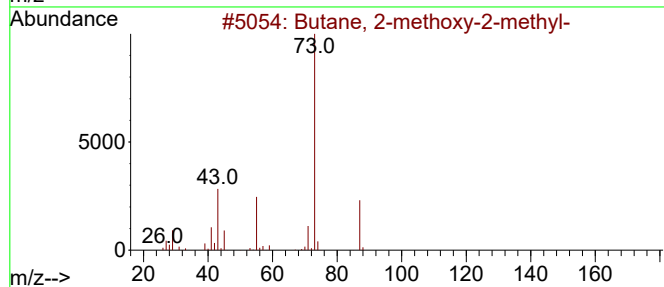
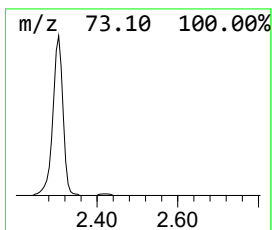
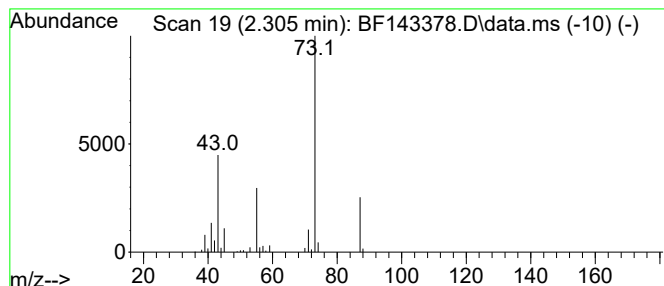
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.305	2.31 ng	107119	1,4-Dichlorobenzene-d4	6.934

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143378.D
Acq On : 14 Aug 2025 13:25
Operator : RC/JU
Sample : PB169223BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169223BL

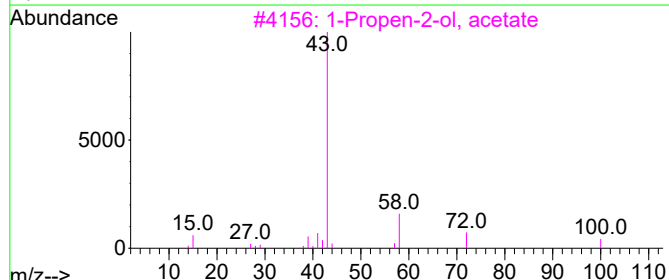
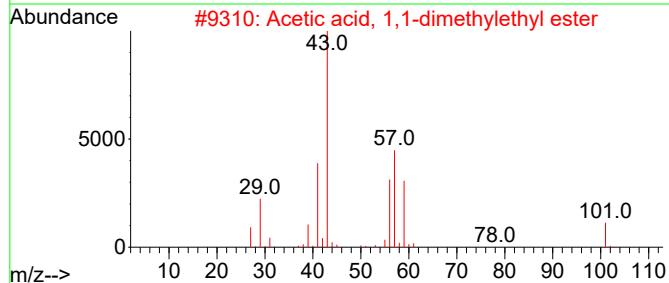
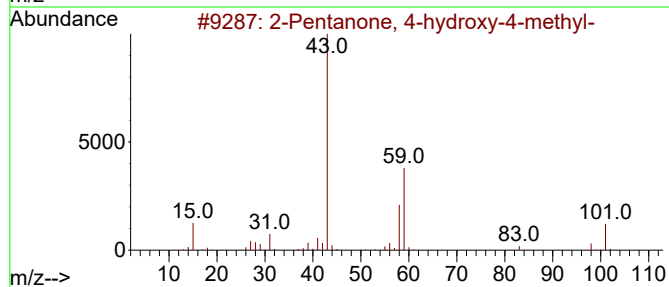
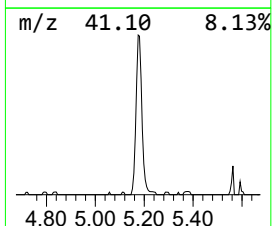
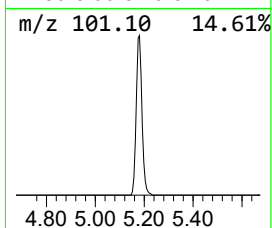
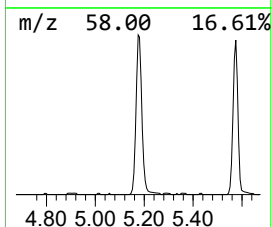
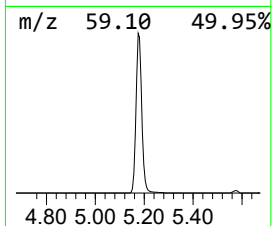
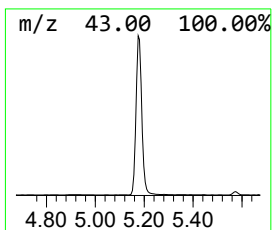
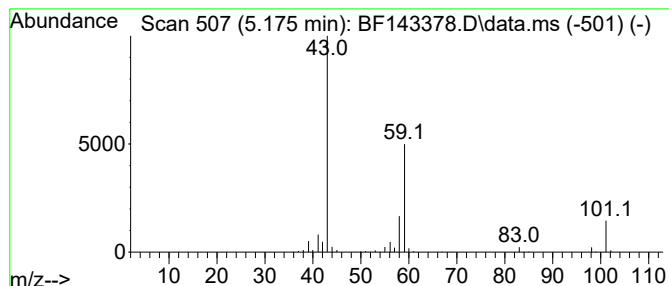
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.175	9.88 ng	458509	1,4-Dichlorobenzene-d4	6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23	
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12	
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10	
5	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143378.D
Acq On : 14 Aug 2025 13:25
Operator : RC/JU
Sample : PB169223BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169223BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.305	2.3	ng	107119	1	6.934	928139	20.0
2-Pentanone, 4-...	5.175	9.9	ng	458509	1	6.934	928139	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BS	SDG No.:	Q2814
Lab Sample ID:	PB169223BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143500.D	1	08/12/25 09:55	08/20/25 23:03	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	27.0		3.90	8.00	10.0	ug/L
108-95-2	Phenol	40.2		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.6		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	41.6		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	42.7		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.0		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	42.9		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.1		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.4		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	40.5		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	42.2		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	43.9		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	44.1		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	46.3		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.3		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	42.7		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	41.4		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	40.4		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.8		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	49.3		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.7		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	38.6		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	100	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.4		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	43.2		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	43.3		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.7		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	45.7		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	45.8		0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BS	SDG No.:	Q2814
Lab Sample ID:	PB169223BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143500.D	1	08/12/25 09:55	08/20/25 23:03	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.7		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	47.4		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	39.6		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	45.6		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	76.8		6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	92.9	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	43.2		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.0		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	46.3		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.8		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	43.4		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	45.6		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.7		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	45.0		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.5		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	44.8		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	48.5		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	90.0	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	43.3		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	43.4		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	44.2		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.2		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	42.9		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	45.4		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.1		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	40.5		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.2		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	45.1		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.0		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.7		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.6		0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BS	SDG No.:	Q2814
Lab Sample ID:	PB169223BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143500.D	1	08/12/25 09:55	08/20/25 23:03	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	44.1		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.9		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.5		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.6		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	47.1		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.1		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	34.2		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.3		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	112		19 - 119		75%	SPK: 150
13127-88-3	Phenol-d6	114		10 - 130		76%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.1		44 - 120		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.9		44 - 119		83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		43 - 140		85%	SPK: 150
1718-51-0	Terphenyl-d14	91.9		50 - 134		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131000	6.928				
1146-65-2	Naphthalene-d8	493000	8.21				
15067-26-2	Acenaphthene-d10	270000	9.969				
1517-22-2	Phenanthrene-d10	417000	11.457				
1719-03-5	Chrysene-d12	228000	14.098				
1520-96-3	Perylene-d12	266000	15.592				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143500.D
 Acq On : 20 Aug 2025 23:03
 Operator : RC/JU
 Sample : PB169223BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

Quant Time: Aug 21 06:15:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131186	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	492884	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	270237	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	416818	20.000	ng	0.00
76) Chrysene-d12	14.098	240	228118	20.000	ng	0.00
86) Perylene-d12	15.592	264	266176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	844659	112.429	ng	0.01
7) Phenol-d6	6.569	99	1058961	114.184	ng	0.00
23) Nitrobenzene-d5	7.486	82	710526	84.122	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	322470	128.193	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1355856	82.919	ng	0.00
79) Terphenyl-d14	13.039	244	1200740	91.853	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.840	88	118960	34.181	ng	99
3) Pyridine	3.598	79	315644	34.051	ng	99
4) n-Nitrosodimethylamine	3.540	42	178922	42.937	ng	98
6) Aniline	6.592	93	455595	36.752	ng	96
8) 2-Chlorophenol	6.716	128	345347	41.618	ng	100
9) Benzaldehyde	6.475	77	202831	27.013	ng	97
10) Phenol	6.581	94	429646	40.214	ng	97
11) bis(2-Chloroethyl)ether	6.657	93	324476	40.641	ng	100
12) 1,3-Dichlorobenzene	6.869	146	378602	40.607	ng	99
13) 1,4-Dichlorobenzene	6.945	146	384169	41.077	ng	100
14) 1,2-Dichlorobenzene	7.098	146	365259	41.250	ng	99
15) Benzyl Alcohol	7.069	79	298873	43.044	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	523318	40.970	ng	98
17) 2-Methylphenol	7.181	107	284449	42.710	ng	96
18) Hexachloroethane	7.439	117	128886	40.532	ng	97
19) n-Nitroso-di-n-propyla...	7.339	70	240395	42.409	ng	99
20) 3+4-Methylphenols	7.334	107	342541	43.085	ng	99
22) Acetophenone	7.334	105	456555	42.875	ng	99
24) Nitrobenzene	7.510	77	367167	42.236	ng	99
25) Isophorone	7.745	82	679763	43.904	ng	99
26) 2-Nitrophenol	7.822	139	187617	44.059	ng	97
27) 2,4-Dimethylphenol	7.863	122	307096	46.263	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	411823	43.281	ng	100
29) 2,4-Dichlorophenol	8.069	162	302376	42.651	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	321220	44.069	ng	100
31) Naphthalene	8.233	128	978696	41.359	ng	100
32) Benzoic acid	7.992	122	153463	41.551	ng	99
33) 4-Chloroaniline	8.281	127	338991	40.362	ng	100
34) Hexachlorobutadiene	8.351	225	198748	41.793	ng	99
35) Caprolactam	8.645	113	83934m	49.338	ng	
36) 4-Chloro-3-methylphenol	8.763	107	317848	44.738	ng	99
37) 2-Methylnaphthalene	8.922	142	609862	38.588	ng	100
38) 1-Methylnaphthalene	9.022	142	628292	41.560	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	325599	42.123	ng	99
41) Hexachlorocyclopentadiene	9.080	237	312701	102.172	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	211292	44.423	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143500.D
 Acq On : 20 Aug 2025 23:03
 Operator : RC/JU
 Sample : PB169223BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

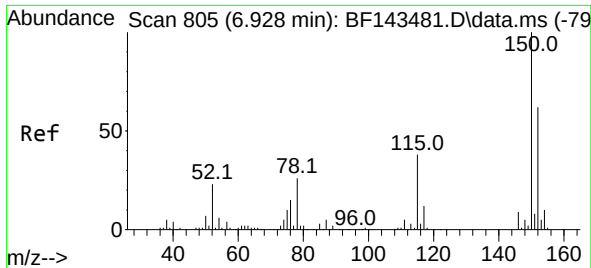
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

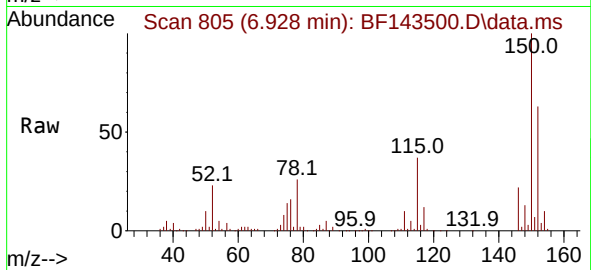
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	224442	43.200	ng	98
46) 1,1'-Biphenyl	9.386	154	831130	43.331	ng	100
47) 2-Chloronaphthalene	9.410	162	642470	42.690	ng	98
48) 2-Nitroaniline	9.504	65	201092	45.656	ng	99
49) Acenaphthylene	9.827	152	1028329	47.720	ng	100
50) Dimethylphthalate	9.686	163	745057	45.777	ng	100
51) 2,6-Dinitrotoluene	9.745	165	160042	47.445	ng	97
52) Acenaphthene	10.004	154	667045	45.591	ng	99
53) 3-Nitroaniline	9.916	138	144290	39.586	ng	99
54) 2,4-Dinitrophenol	10.027	184	138052	76.758	ng	99
55) Dibenzofuran	10.175	168	901702	43.227	ng	99
56) 4-Nitrophenol	10.086	139	201396	92.862	ng	96
57) 2,4-Dinitrotoluene	10.151	165	216352	48.035	ng	96
58) Fluorene	10.516	166	696847	43.405	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	190110	49.253	ng	99
60) Diethylphthalate	10.380	149	675090	46.264	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	343405	42.770	ng	99
62) 4-Nitroaniline	10.533	138	152819	45.645	ng	98
63) Azobenzene	10.663	77	684241	45.223	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	107407	45.701	ng	97
66) n-Nitrosodiphenylamine	10.622	169	603271	44.973	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	221455	44.529	ng	99
68) Hexachlorobenzene	11.069	284	240151	44.797	ng	99
69) Atrazine	11.145	200	167924	48.496	ng	99
70) Pentachlorophenol	11.263	266	220853	89.954	ng	99
71) Phenanthrene	11.480	178	965407	43.251	ng	100
72) Anthracene	11.533	178	981619	43.411	ng	100
73) Carbazole	11.686	167	819392	44.223	ng	100
74) Di-n-butylphthalate	12.010	149	833115	48.199	ng	99
75) Fluoranthene	12.668	202	859377	42.907	ng	100
77) Benzidine	12.786	184	398812	71.772	ng	99
78) Pyrene	12.898	202	851461	45.376	ng	100
80) Butylbenzylphthalate	13.510	149	246733	48.132	ng	99
81) Benzo(a)anthracene	14.086	228	634750	43.220	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	170528	40.545	ng	98
83) Chrysene	14.121	228	595587	45.126	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	358873	45.966	ng	100
85) Di-n-octyl phthalate	14.680	149	661323	45.724	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	888766	46.466	ng	100
88) Benzo(b)fluoranthene	15.157	252	660057	44.611	ng	99
89) Benzo(k)fluoranthene	15.186	252	624234	44.065	ng	100
90) Benzo(a)pyrene	15.533	252	643530	46.858	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	729486	47.620	ng	99
92) Benzo(g,h,i)perylene	17.592	276	718142	47.146	ng	100

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

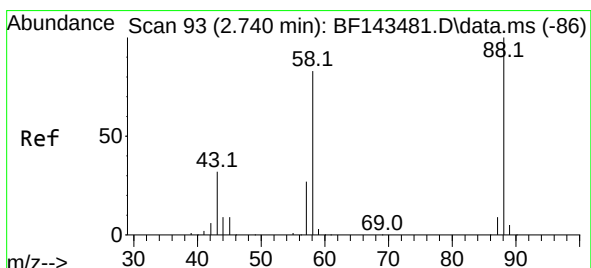
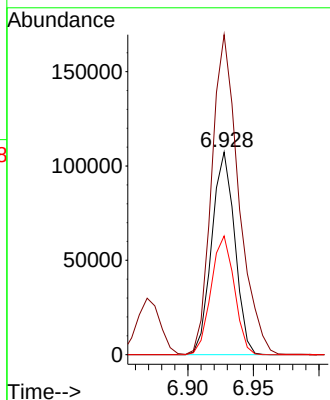
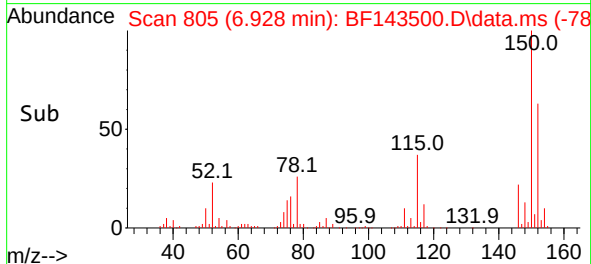
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS



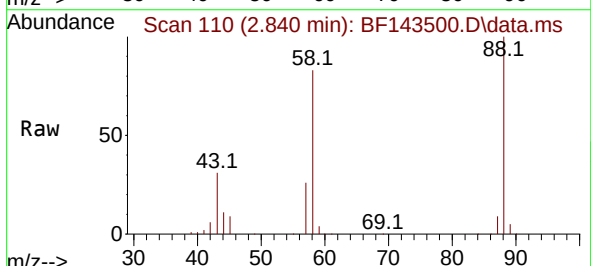
Tgt Ion: 152 Resp: 131180
 Ion Ratio Lower Upper
 152 100
 150 157.9 128.9 193.3
 115 58.6 49.2 73.8

Manual Integrations
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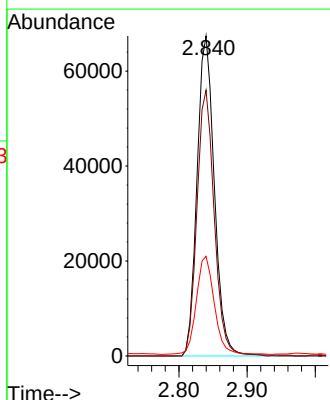
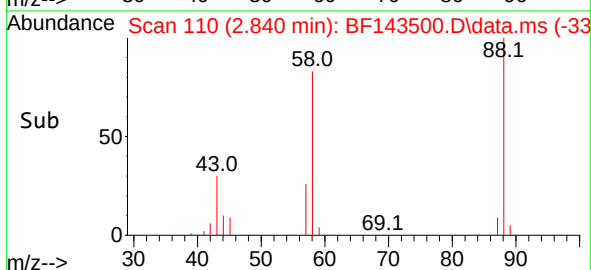
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

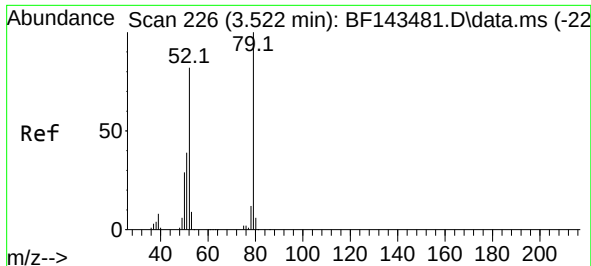


#2
 1,4-Dioxane
 Concen: 34.181 ng
 RT: 2.840 min Scan# 110
 Delta R.T. 0.106 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03



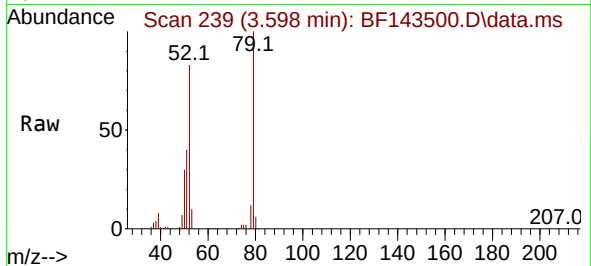
Tgt Ion: 88 Resp: 118960
 Ion Ratio Lower Upper
 88 100
 58 83.2 66.7 100.1
 43 31.6 25.8 38.8





#3
Pyridine
Concen: 34.051 ng
RT: 3.598 min Scan# 219
Delta R.T. 0.082 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

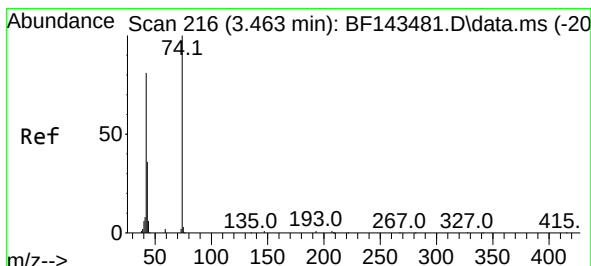
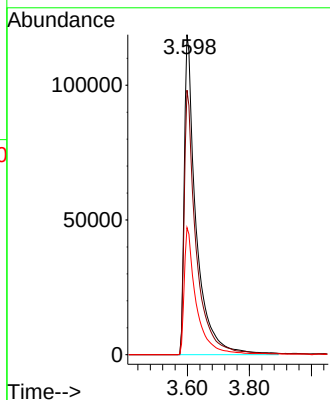
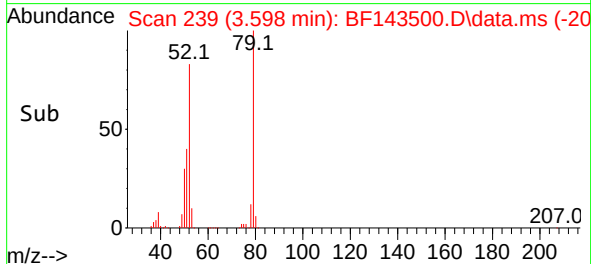
Instrument :
BNA_F
ClientSampleId :
PB169223BS



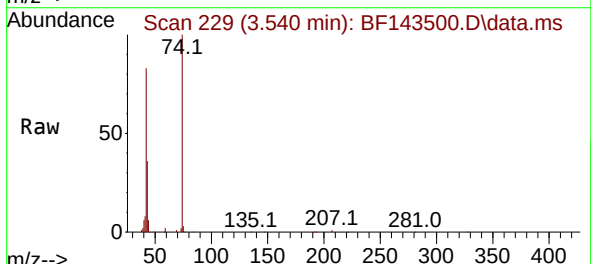
Tgt Ion: 79 Resp: 31564
Ion Ratio Lower Upper
79 100
52 82.6 65.6 98.4
51 39.7 31.2 46.8

Manual Integrations
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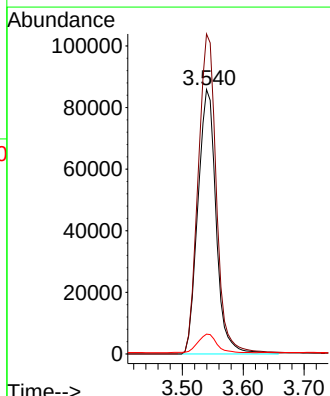
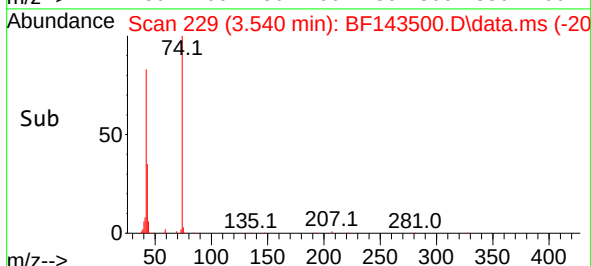
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

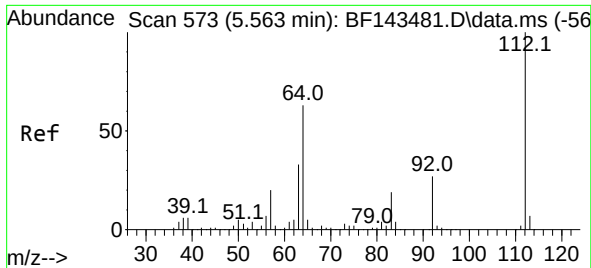


#4
n-Nitrosodimethylamine
Concen: 42.937 ng
RT: 3.540 min Scan# 229
Delta R.T. 0.065 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion: 42 Resp: 178922
Ion Ratio Lower Upper
42 100
74 121.0 98.6 148.0
44 7.5 5.8 8.8





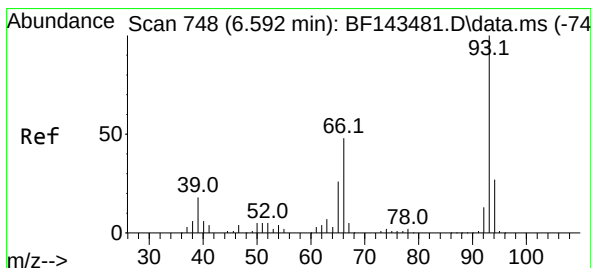
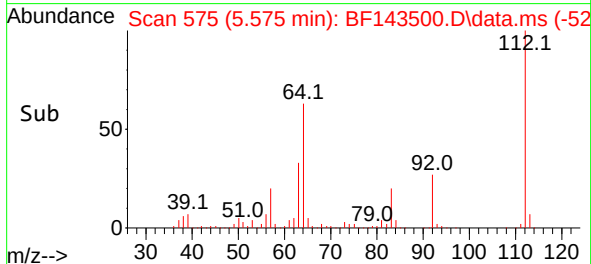
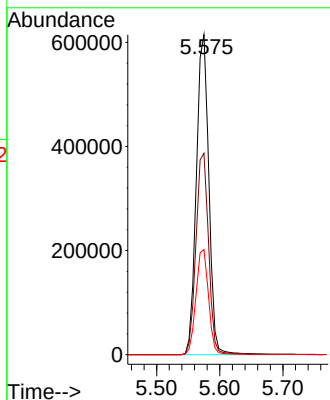
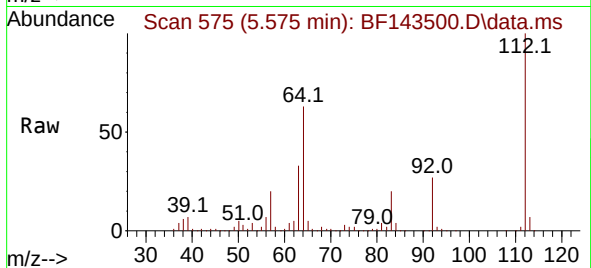
#5
2-Fluorophenol
Concen: 112.429 ng
RT: 5.575 min Scan# 512
Delta R.T. 0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :
BNA_F
ClientSampleId :
PB169223BS

Tgt Ion:112 Resp: 844659
Ion Ratio Lower Upper
112 100
64 63.0 50.4 75.6
63 32.9 26.4 39.6

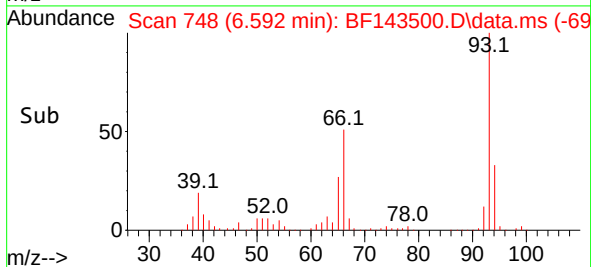
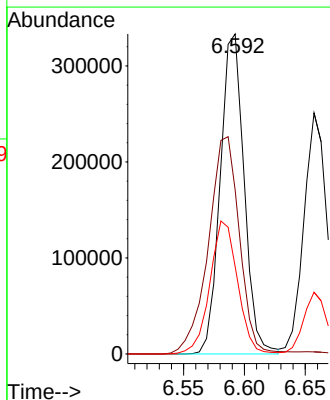
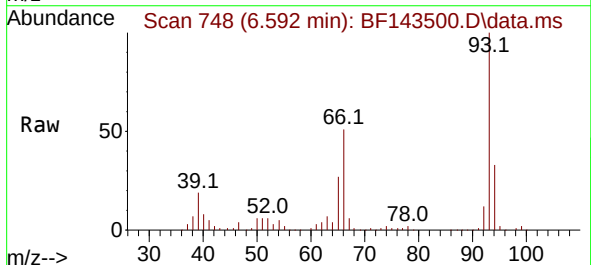
Manual Integrations
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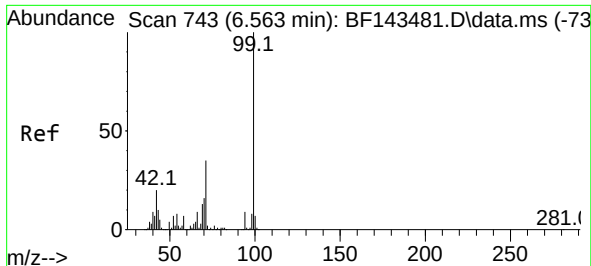
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#6
Aniline
Concen: 36.752 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

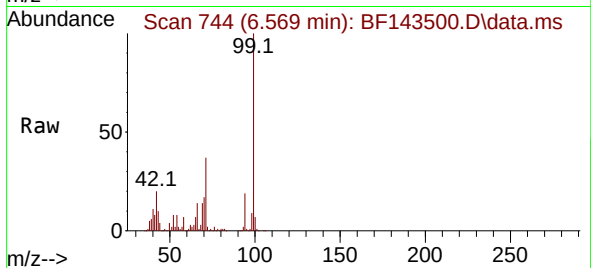
Tgt Ion: 93 Resp: 455595
Ion Ratio Lower Upper
93 100
66 51.2 38.9 58.3
65 27.3 20.6 30.8





#7
Phenol-d6
Concen: 114.184 ng
RT: 6.569 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

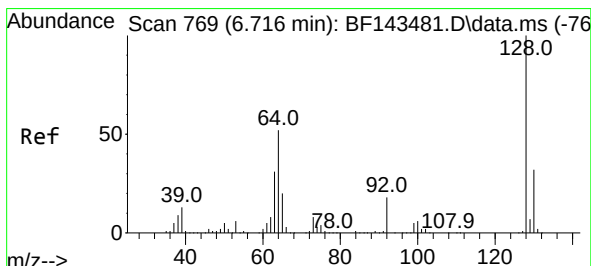
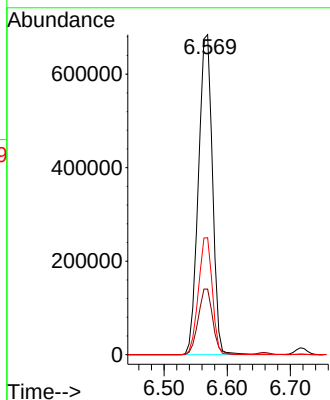
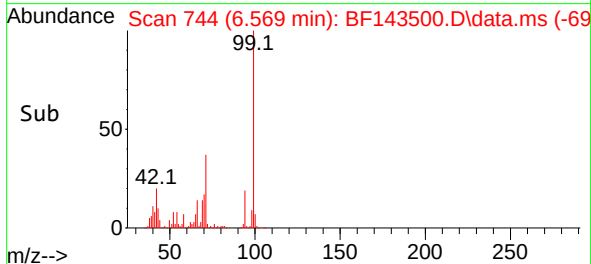
Instrument :
BNA_F
ClientSampleId :
PB169223BS



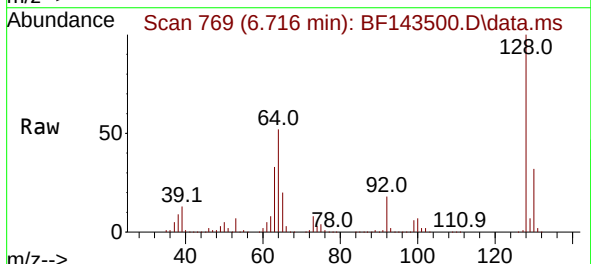
Tgt Ion: 99 Resp: 105896
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 36.6 28.2 42.2

Manual Integrations
APPROVED

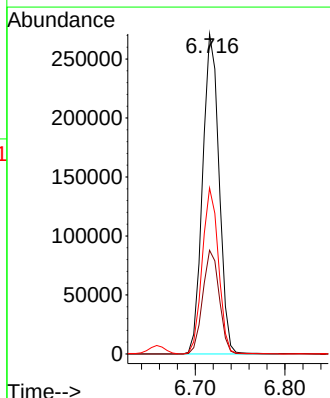
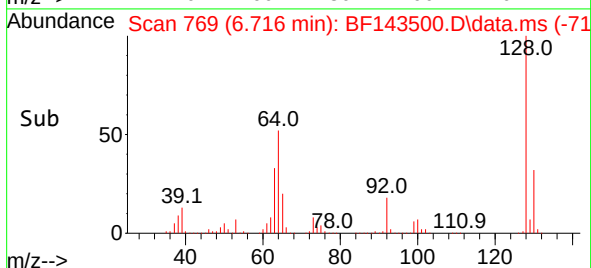
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

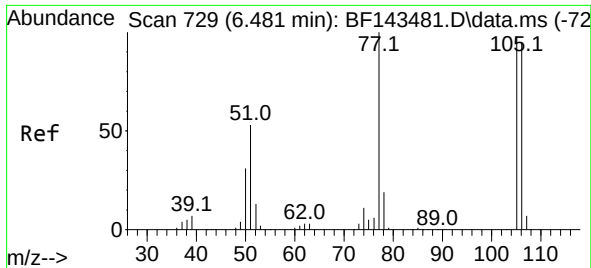


#8
2-Chlorophenol
Concen: 41.618 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



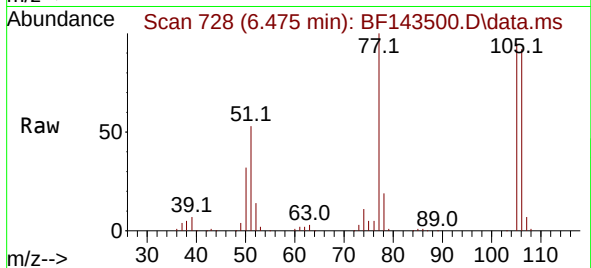
Tgt Ion:128 Resp: 345347
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 51.9 31.6 71.6





#9
Benzaldehyde
Concen: 27.013 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

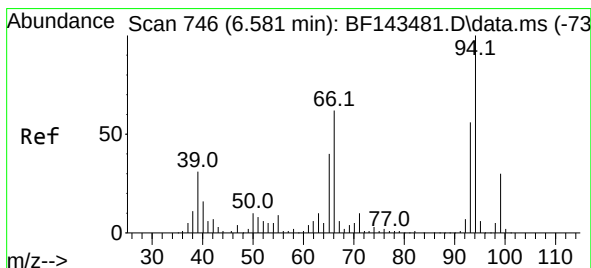
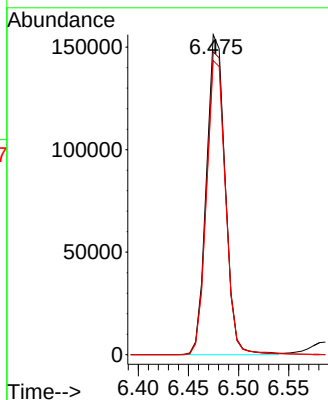
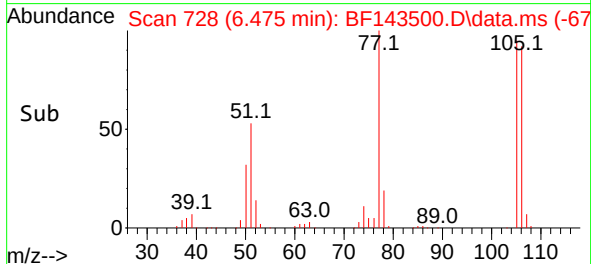
Instrument :
BNA_F
ClientSampleId :
PB169223BS



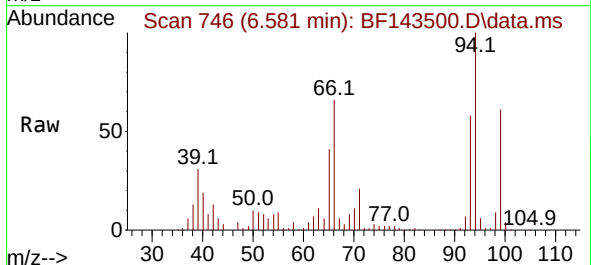
Tgt Ion: 77 Resp: 20283
Ion Ratio Lower Upper
77 100
105 94.7 78.1 118.1
106 91.9 74.9 114.9

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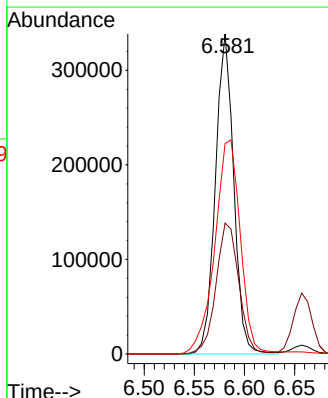
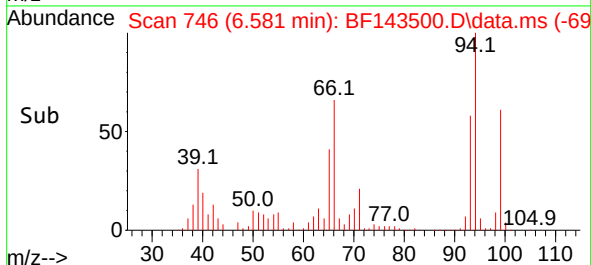
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

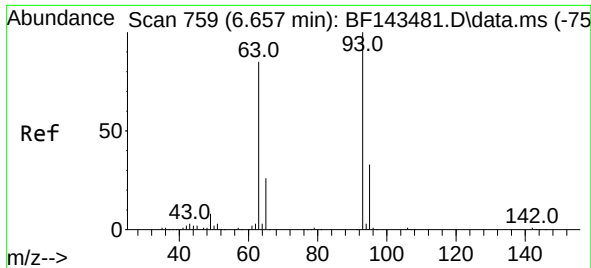


#10
Phenol
Concen: 40.214 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion: 94 Resp: 429646
Ion Ratio Lower Upper
94 100
65 40.9 19.5 59.5
66 65.8 42.5 82.5





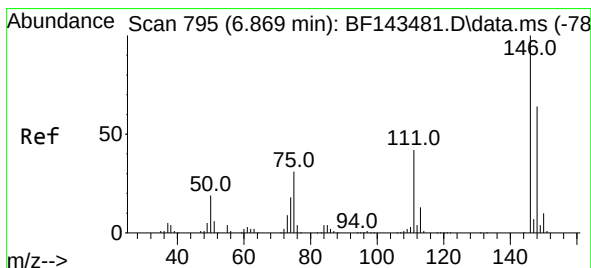
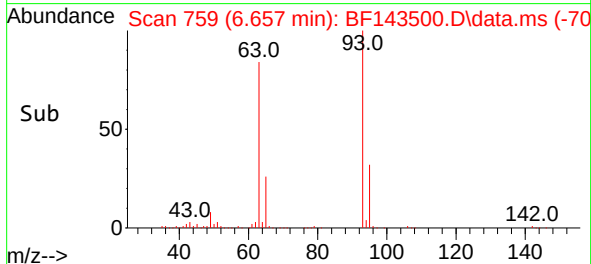
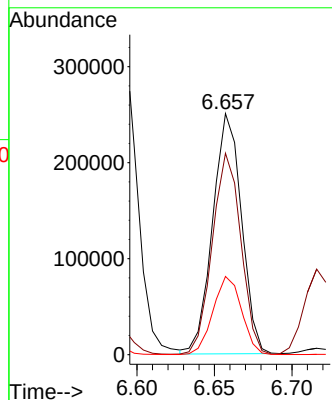
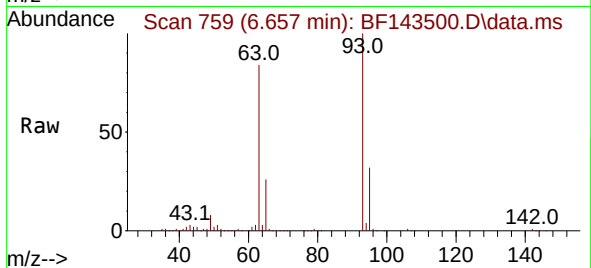
#11
bis(2-Chloroethyl)ether
Concen: 40.641 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :
BNA_F
ClientSampleId :
PB169223BS

Tgt Ion: 93 Resp: 324470
Ion Ratio Lower Upper
93 100
63 83.6 63.6 103.6
95 32.5 12.8 52.8

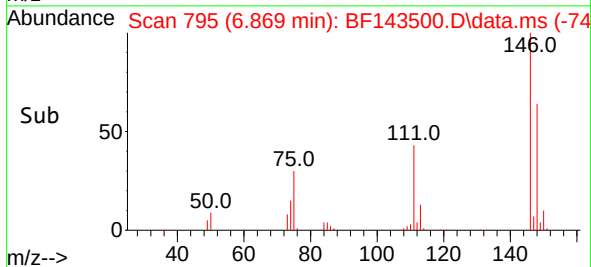
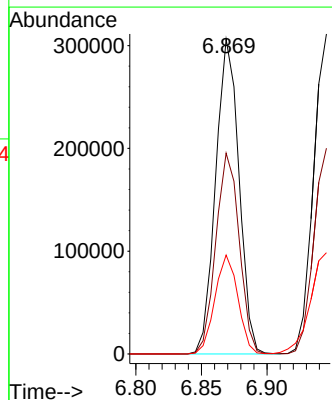
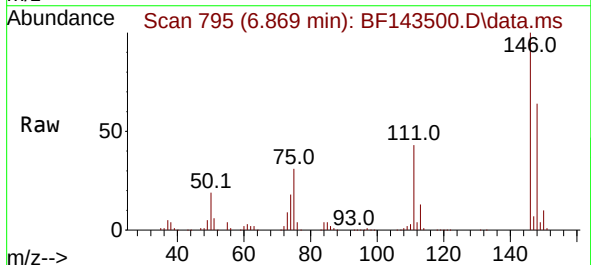
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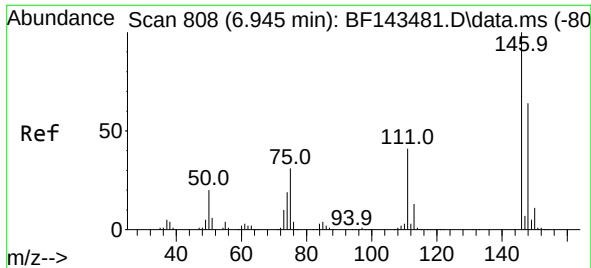
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#12
1,3-Dichlorobenzene
Concen: 40.607 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

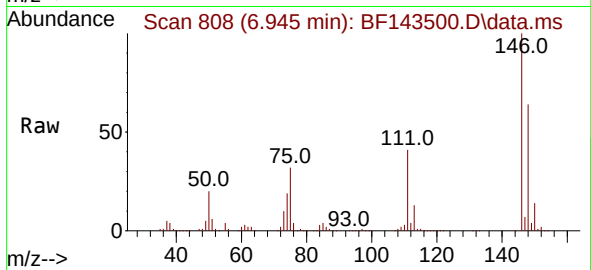
Tgt Ion:146 Resp: 378602
Ion Ratio Lower Upper
146 100
148 63.8 51.3 76.9
75 31.4 24.7 37.1





#13
1,4-Dichlorobenzene
Concen: 41.077 ng
RT: 6.945 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

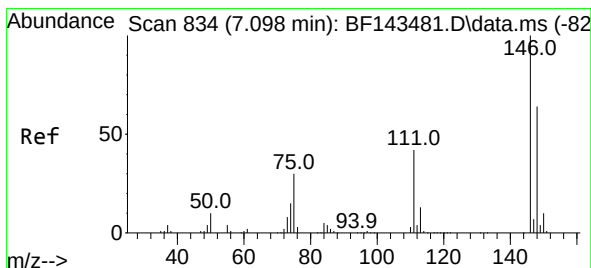
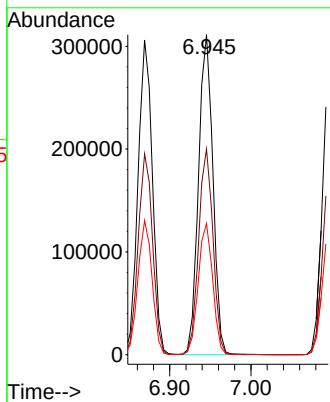
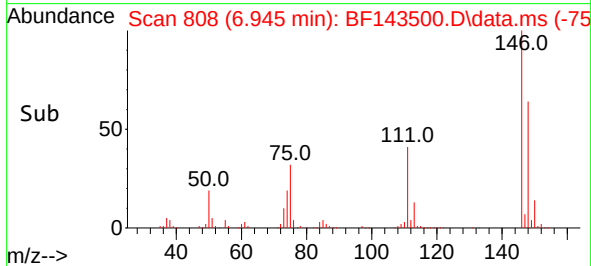
Instrument :
BNA_F
ClientSampleId :
PB169223BS



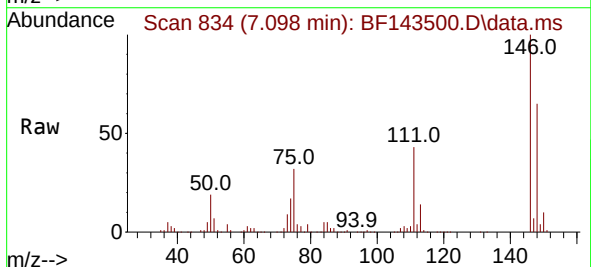
Tgt Ion:146 Resp: 384169
Ion Ratio Lower Upper
146 100
148 64.3 51.5 77.3
111 41.0 32.6 49.0

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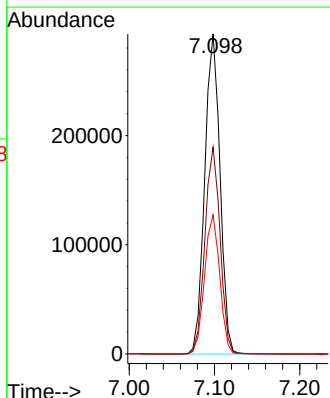
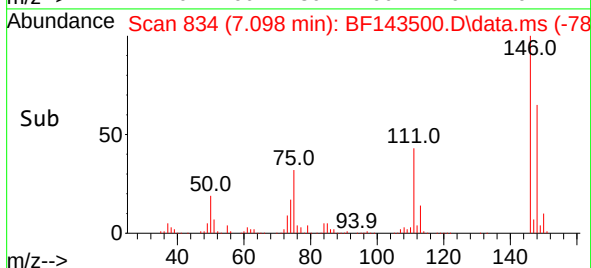
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

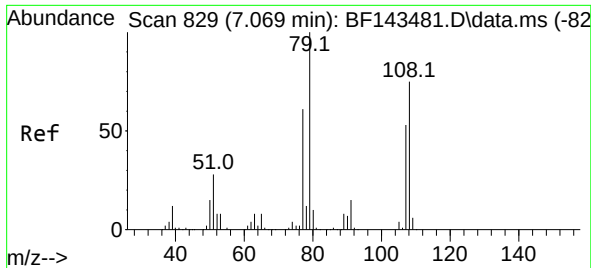


#14
1,2-Dichlorobenzene
Concen: 41.250 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:146 Resp: 365259
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
111 43.4 34.0 51.0





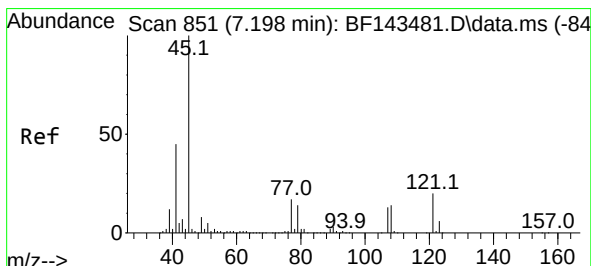
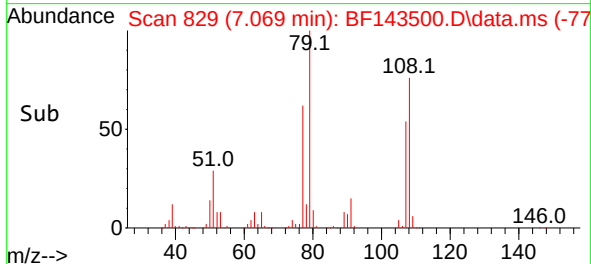
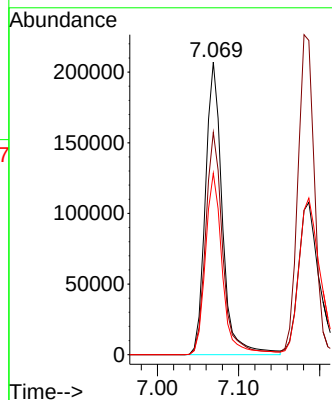
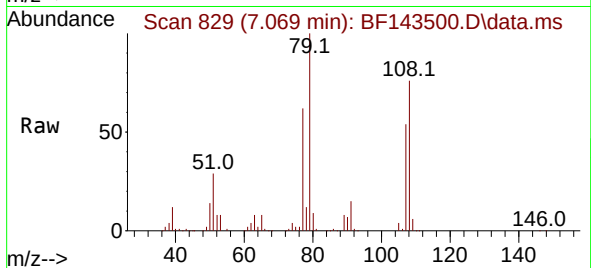
#15
Benzyl Alcohol
Concen: 43.044 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :
BNA_F
ClientSampleId :
PB169223BS

Tgt Ion: 79 Resp: 29887
Ion Ratio Lower Upper
79 100
108 76.0 59.8 89.6
77 62.0 49.0 73.4

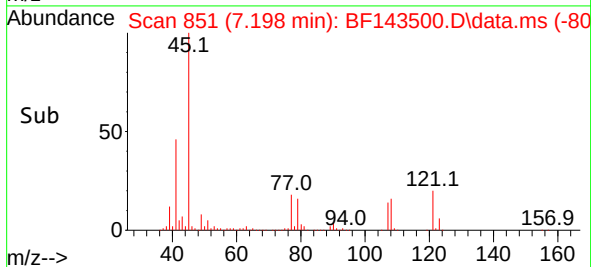
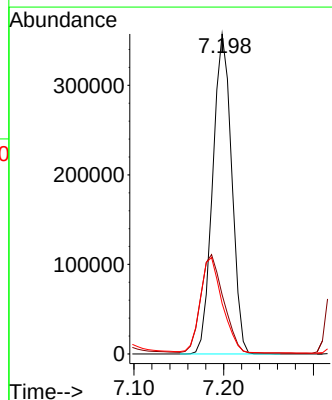
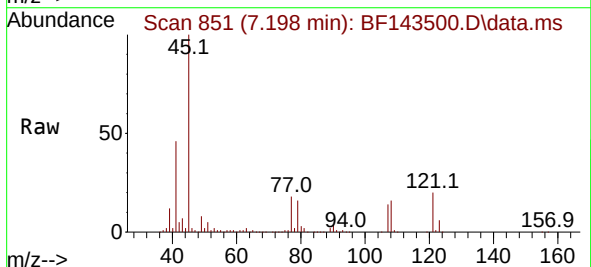
Manual Integrations
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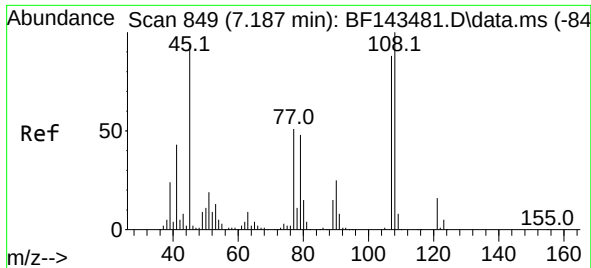
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.970 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

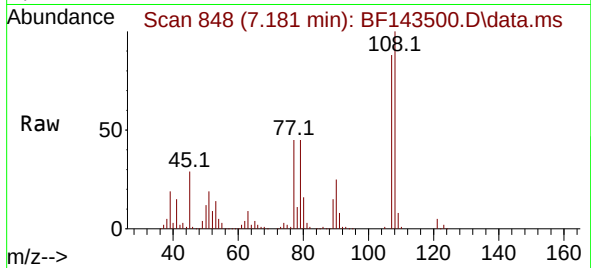
Tgt Ion: 45 Resp: 523318
Ion Ratio Lower Upper
45 100
77 18.5 0.0 37.9
79 15.7 0.0 34.7





#17
2-Methylphenol
Concen: 42.710 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

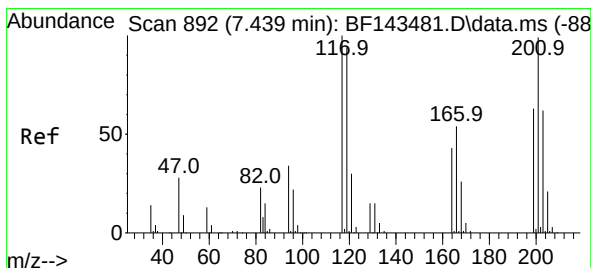
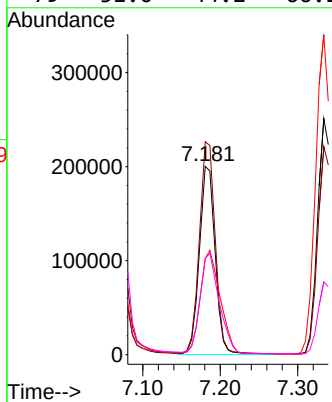
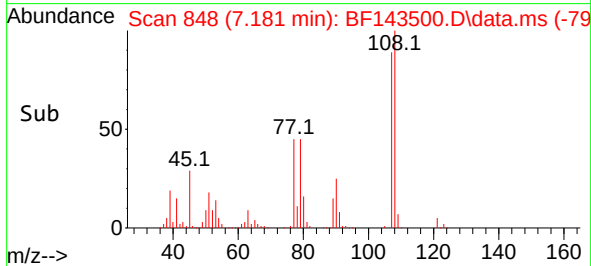
Instrument :
BNA_F
ClientSampleId :
PB169223BS



Tgt Ion:107 Resp: 284449
Ion Ratio Lower Upper
107 100
108 113.1 91.1 136.7
77 51.0 46.2 69.4
79 51.0 44.2 66.2

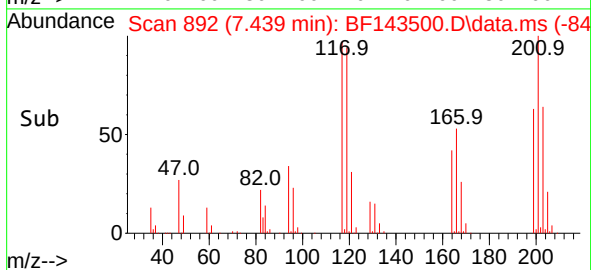
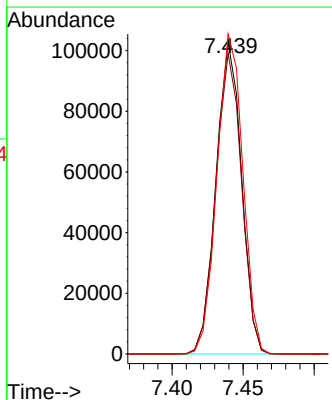
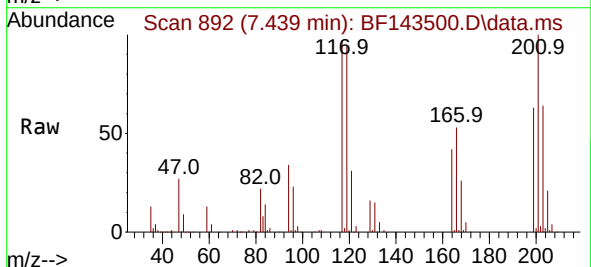
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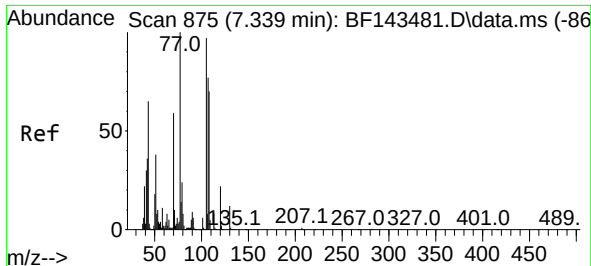
Reviewed By :Rahul Chavli 08/21/2025
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#18
Hexachloroethane
Concen: 40.532 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

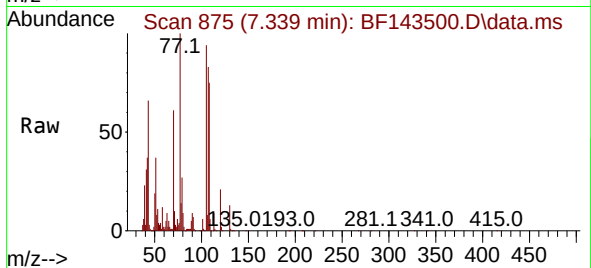
Tgt Ion:117 Resp: 128886
Ion Ratio Lower Upper
117 100
119 96.4 75.4 113.0
201 102.6 79.0 118.4





#19
n-Nitroso-di-n-propylamine
Concen: 42.409 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

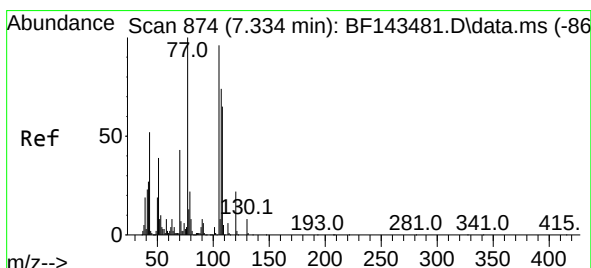
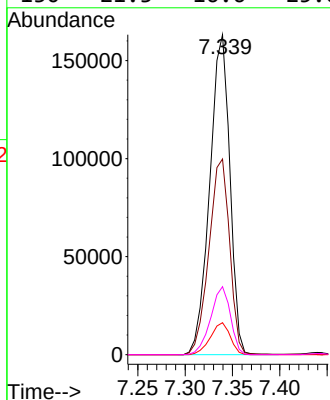
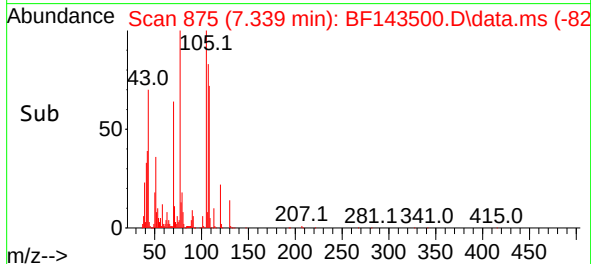
Instrument :
BNA_F
ClientSampleId :
PB169223BS



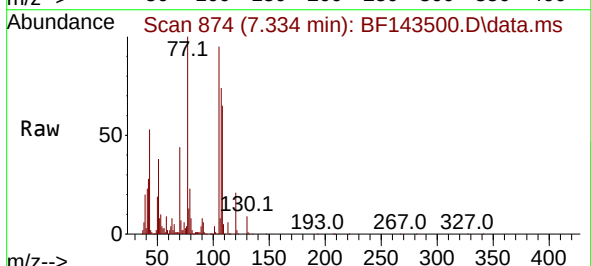
Tgt Ion: 70 Resp: 24039
Ion Ratio Lower Upper
70 100
42 61.2 49.3 73.9
101 10.0 7.8 11.8
130 21.3 16.6 25.0

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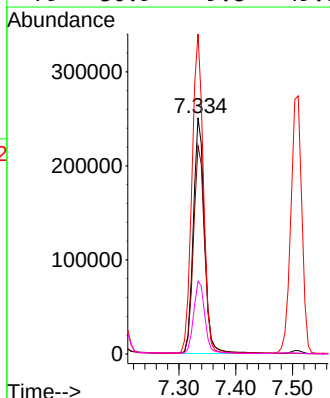
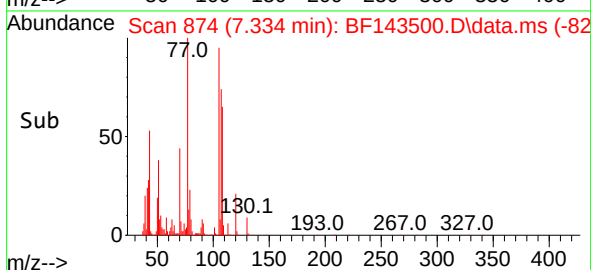
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

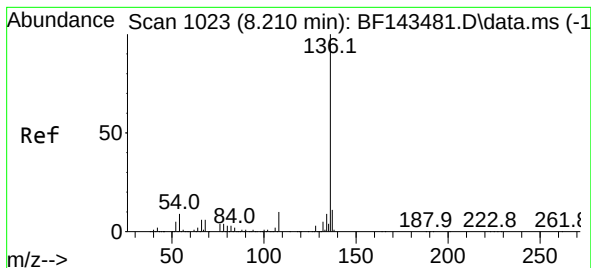


#20
3+4-Methylphenols
Concen: 43.085 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



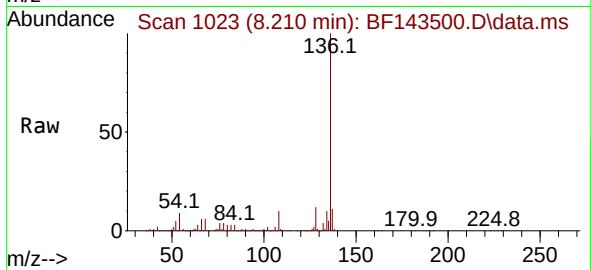
Tgt Ion:107 Resp: 342541
Ion Ratio Lower Upper
107 100
108 88.1 68.4 108.4
77 135.5 116.1 156.1
79 30.9 9.8 49.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :
BNA_F
ClientSampleId :
PB169223BS

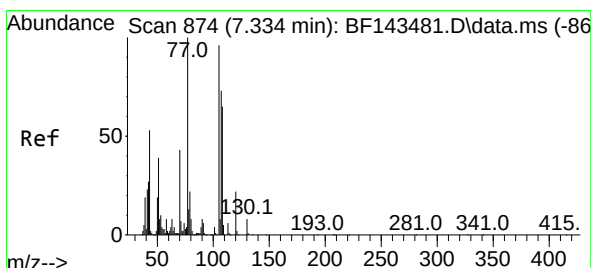
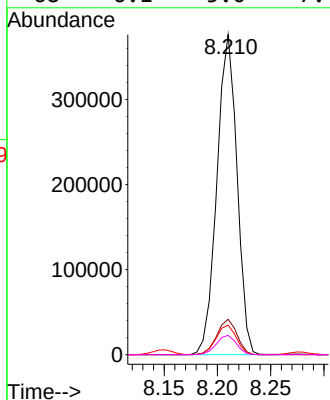
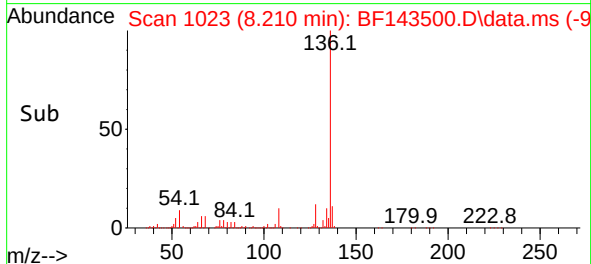


Tgt Ion:136 Resp: 492884

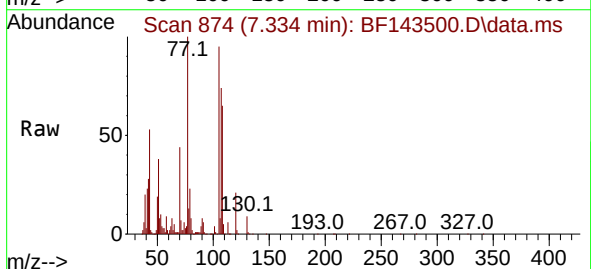
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.3	7.4	11.2
68	6.1	5.0	7.4

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Supervised By :Jagrut Upadhyay 08/21/2025

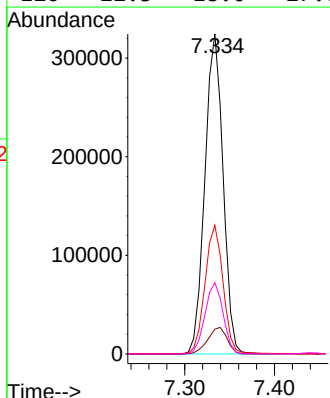
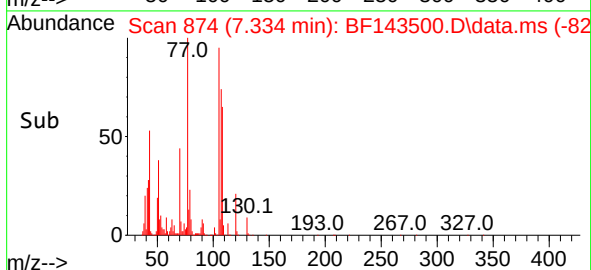


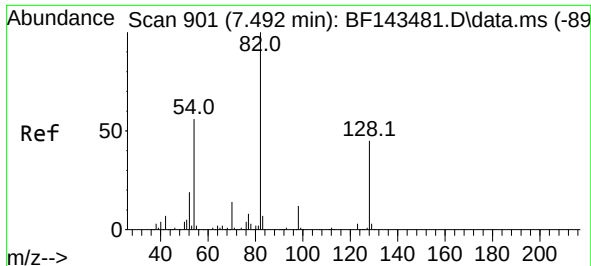
#22
Acetophenone
Concen: 42.875 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:105 Resp: 456555

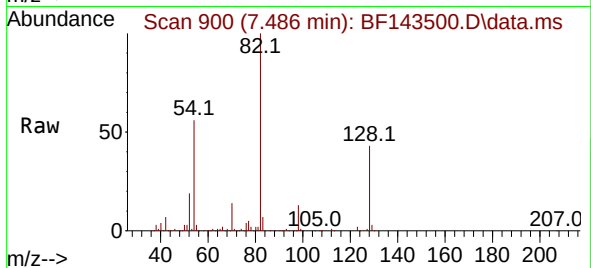
Ion	Ratio	Lower	Upper
105	100		
71	7.7	5.9	8.9
51	40.2	32.5	48.7
120	22.3	18.0	27.0





#23
Nitrobenzene-d5
Concen: 84.122 ng
RT: 7.486 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

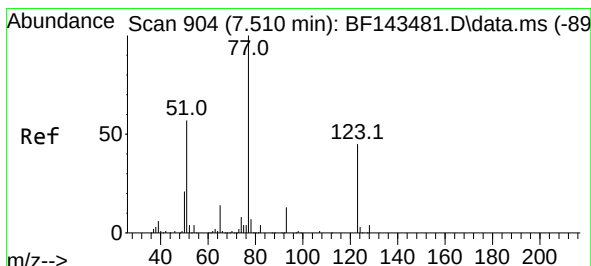
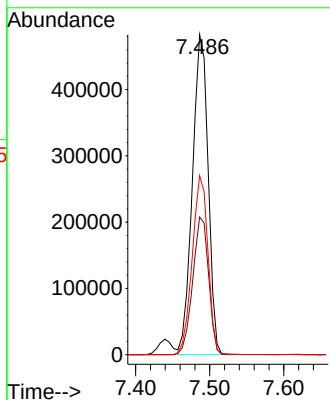
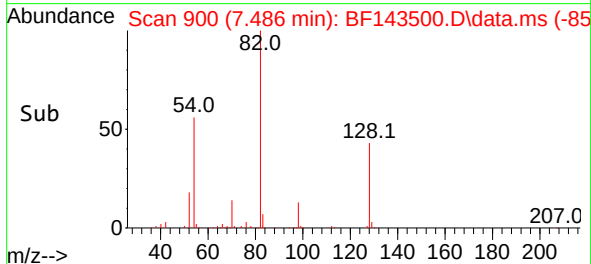
Instrument :
BNA_F
ClientSampleId :
PB169223BS



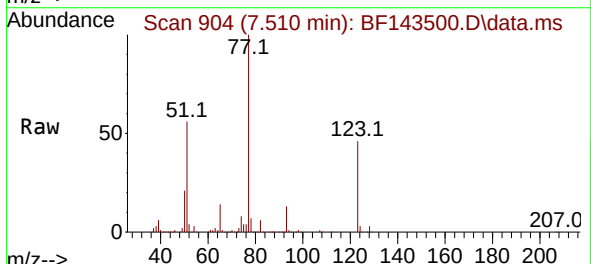
Tgt Ion: 82 Resp: 710520
Ion Ratio Lower Upper
82 100
128 43.0 35.5 53.3
54 55.9 44.3 66.5

Manual Integrations
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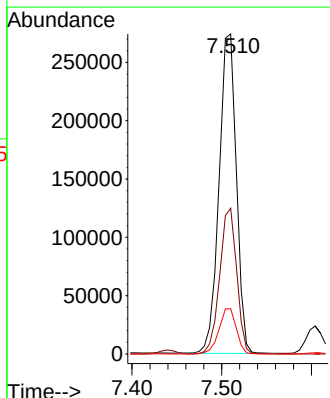
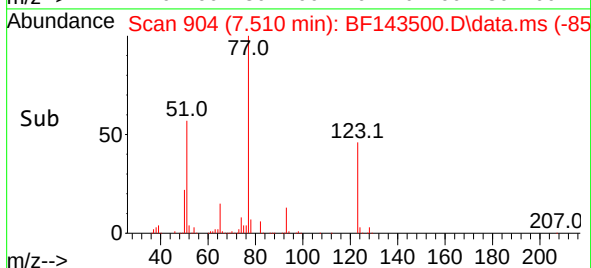
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

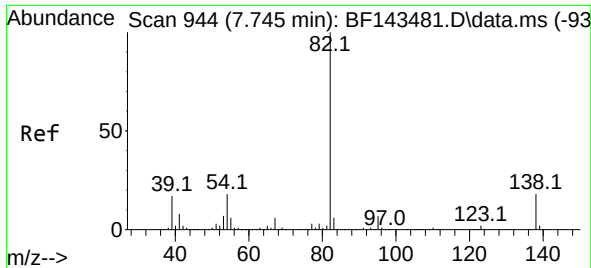


#24
Nitrobenzene
Concen: 42.236 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



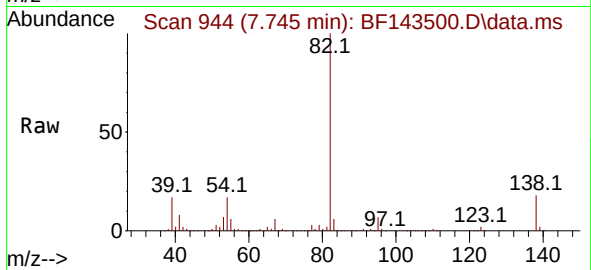
Tgt Ion: 77 Resp: 367167
Ion Ratio Lower Upper
77 100
123 45.6 36.1 54.1
65 14.2 11.0 16.6





#25
Isophorone
Concen: 43.904 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

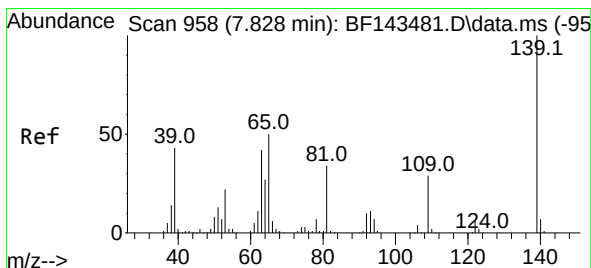
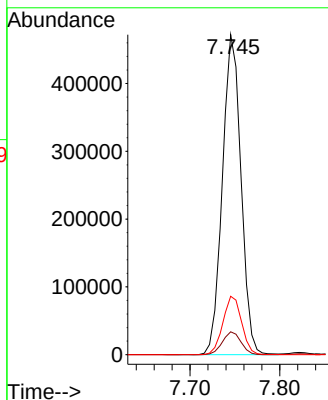
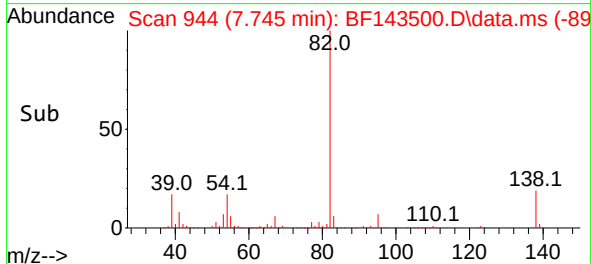
Instrument :
BNA_F
Client SampleId :
PB169223BS



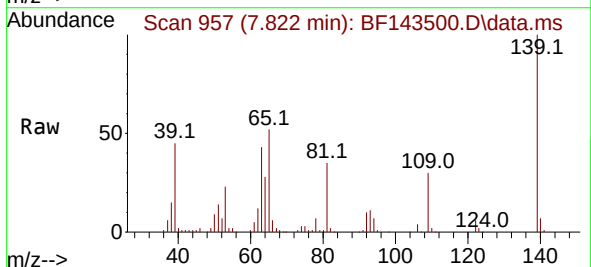
Tgt Ion: 82 Resp: 67976
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 18.2 14.2 21.4

Manual Integrations
APPROVED

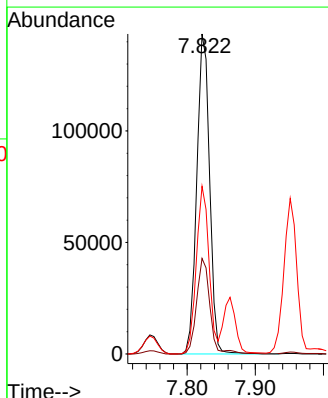
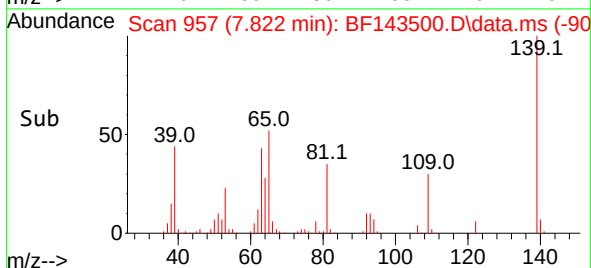
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

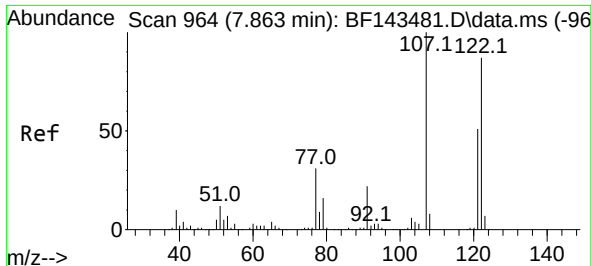


#26
2-Nitrophenol
Concen: 44.059 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:139 Resp: 187617
Ion Ratio Lower Upper
139 100
109 29.9 23.0 34.6
65 52.4 40.3 60.5





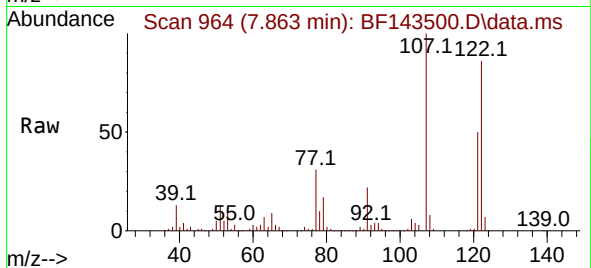
#27
2,4-Dimethylphenol
Concen: 46.263 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

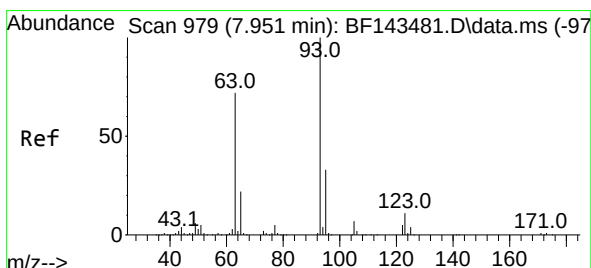
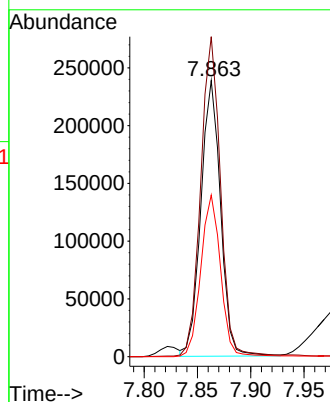
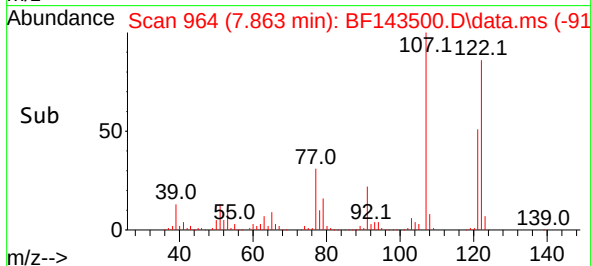
PB169223BS



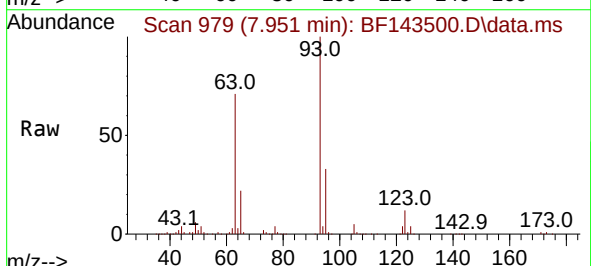
Tgt Ion:122 Resp: 307090
Ion Ratio Lower Upper
122 100
107 115.8 91.5 137.3
121 58.5 47.0 70.4

Manual Integrations
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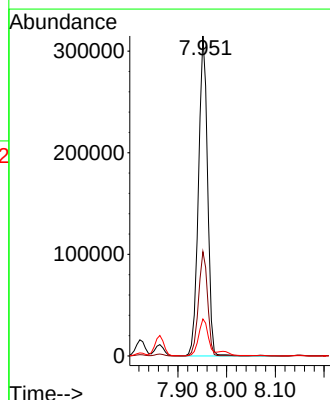
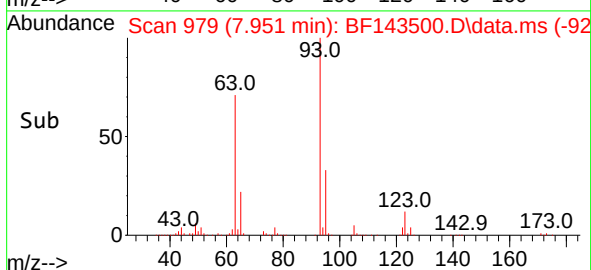
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

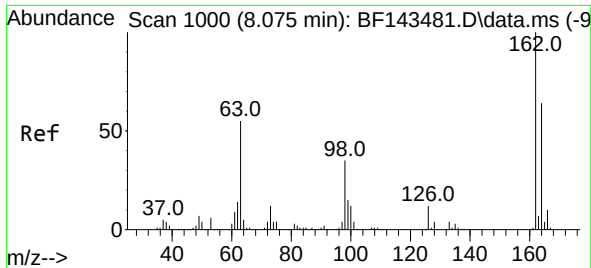


#28
bis(2-Chloroethoxy)methane
Concen: 43.281 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



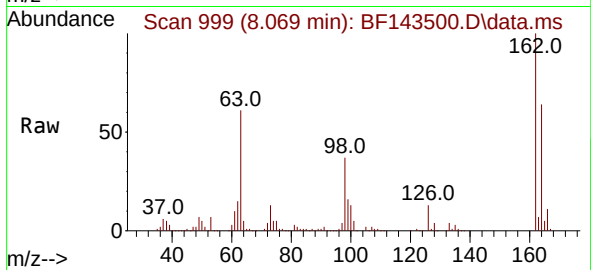
Tgt Ion: 93 Resp: 411823
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 11.6 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 42.651 ng
RT: 8.069 min Scan# 999
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

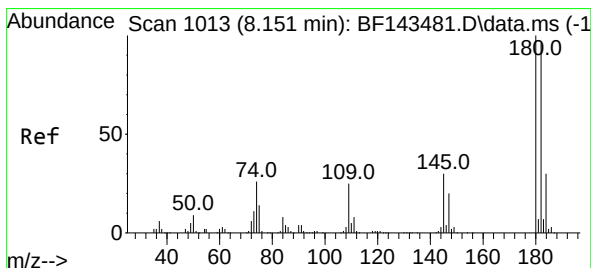
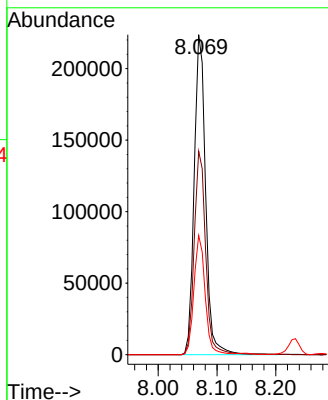
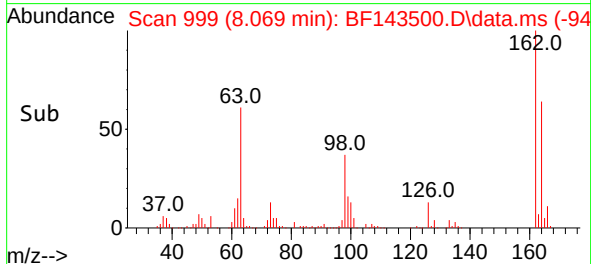
Instrument :
BNA_F
ClientSampleId :
PB169223BS



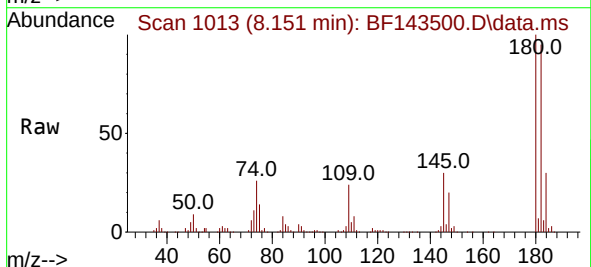
Tgt Ion:162 Resp: 302370
Ion Ratio Lower Upper
162 100
164 63.6 43.5 83.5
98 37.2 15.1 55.1

Manual Integrations
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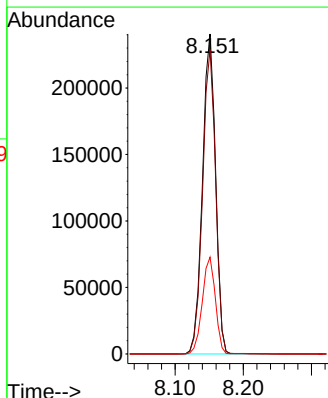
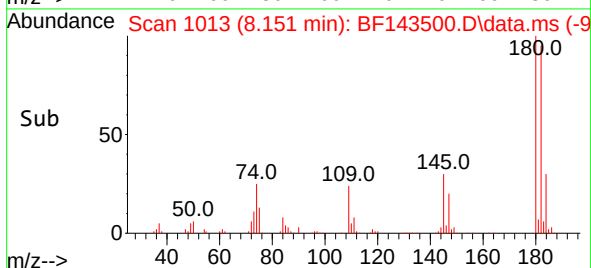
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

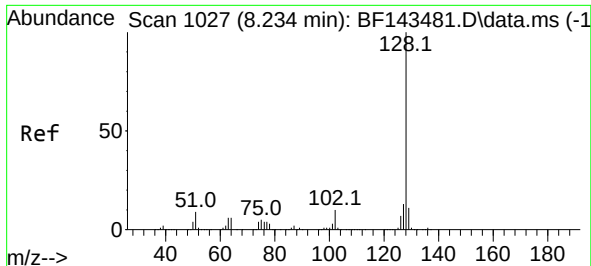


#30
1,2,4-Trichlorobenzene
Concen: 44.069 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



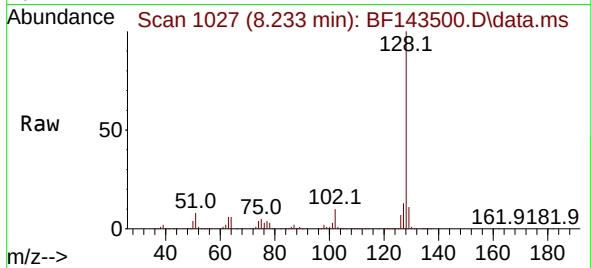
Tgt Ion:180 Resp: 321220
Ion Ratio Lower Upper
180 100
182 95.2 76.6 114.8
145 30.2 24.3 36.5





#31
Naphthalene
Concen: 41.359 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

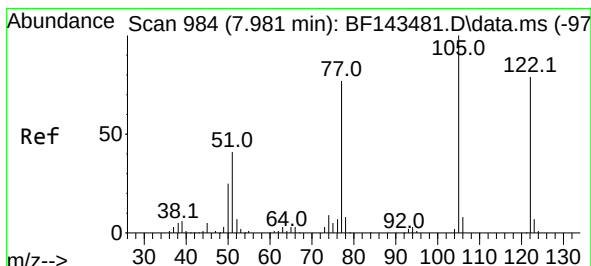
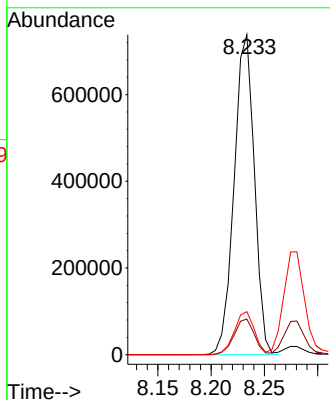
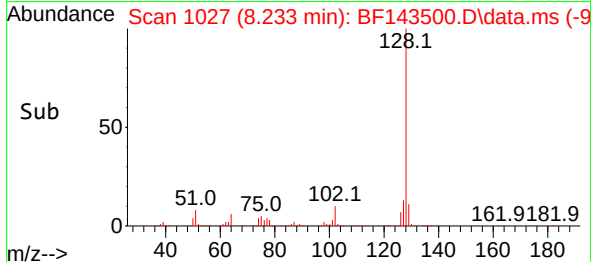
Instrument :
BNA_F
ClientSampleId :
PB169223BS



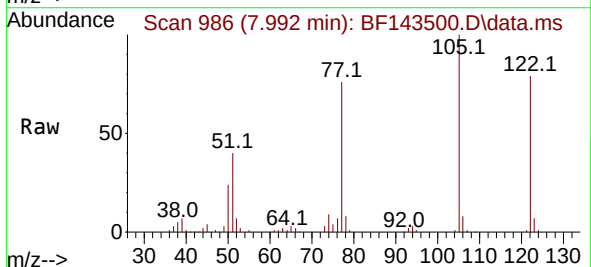
Tgt Ion:128 Resp: 978690
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.4 10.6 16.0

Manual Integrations
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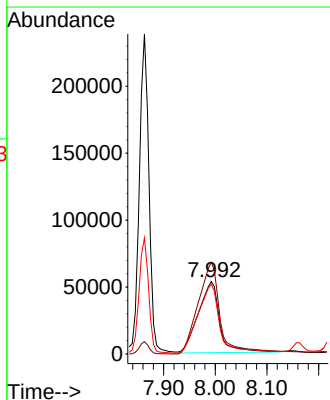
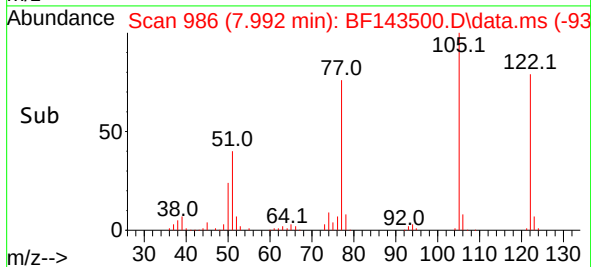
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

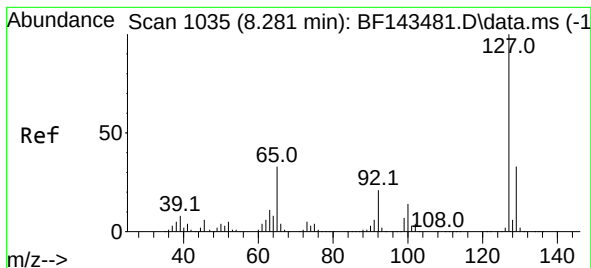


#32
Benzoic acid
Concen: 41.551 ng
RT: 7.992 min Scan# 986
Delta R.T. -0.018 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



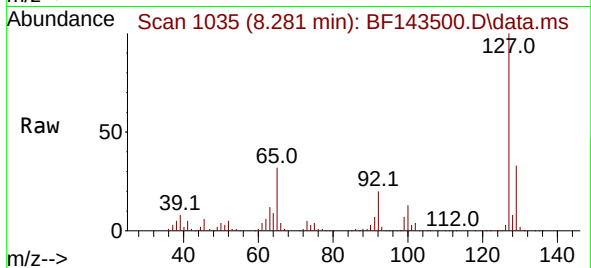
Tgt Ion:122 Resp: 153463
Ion Ratio Lower Upper
122 100
105 126.5 104.7 144.7
77 96.4 77.3 117.3





#33
4-Chloroaniline
Concen: 40.362 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

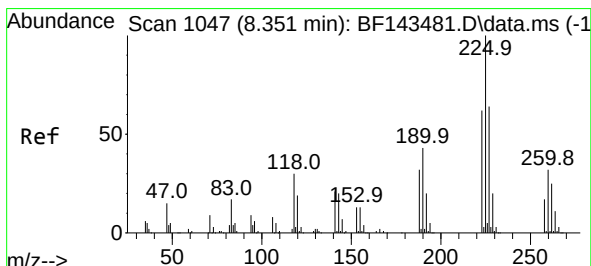
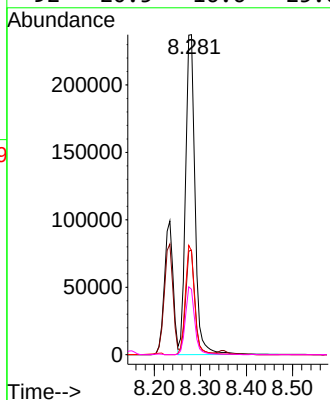
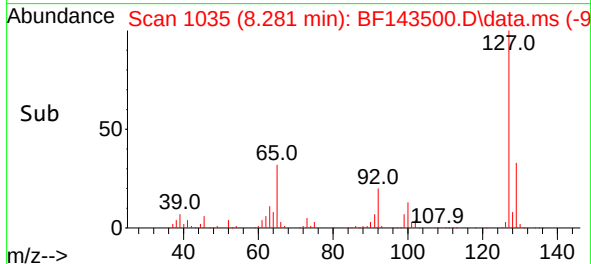
Instrument :
BNA_F
ClientSampleId :
PB169223BS



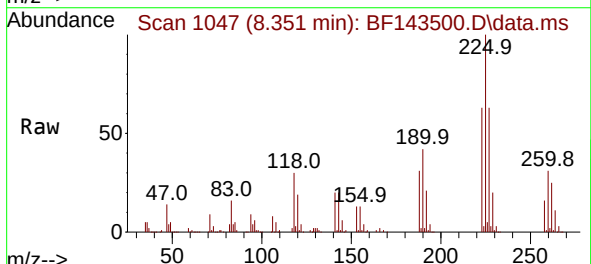
Tgt Ion:127 Resp: 33899
Ion Ratio Lower Upper
127 100
129 32.6 26.1 39.1
65 32.5 26.2 39.2
92 20.5 16.6 25.0

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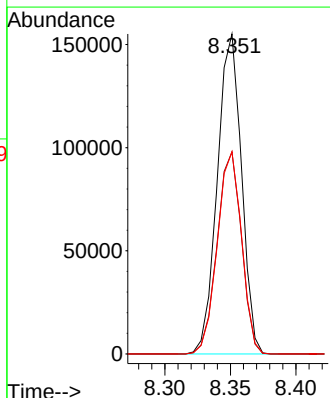
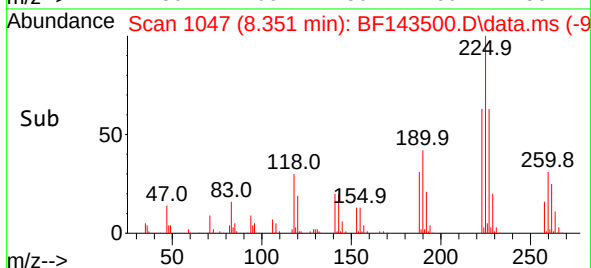
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

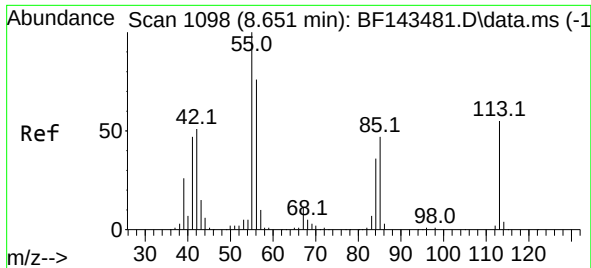


#34
Hexachlorobutadiene
Concen: 41.793 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



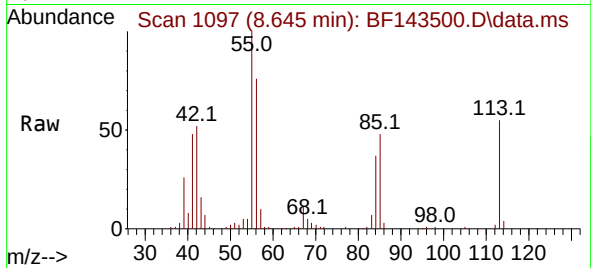
Tgt Ion:225 Resp: 198748
Ion Ratio Lower Upper
225 100
223 63.1 49.9 74.9
227 63.2 50.9 76.3





#35
Caprolactam
Concen: 49.338 ng m
RT: 8.645 min Scan# 1097
Delta R.T. -0.030 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

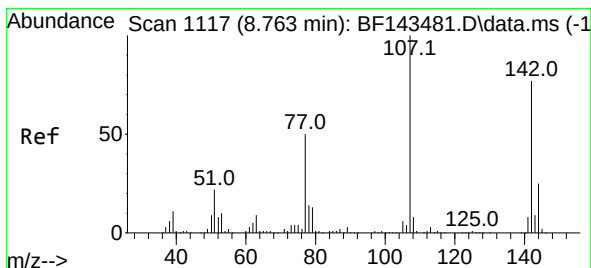
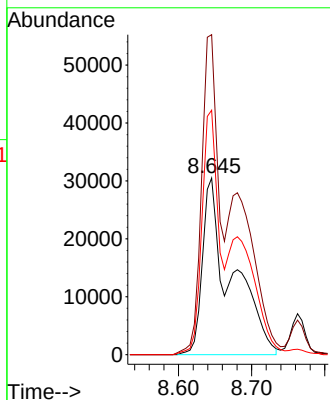
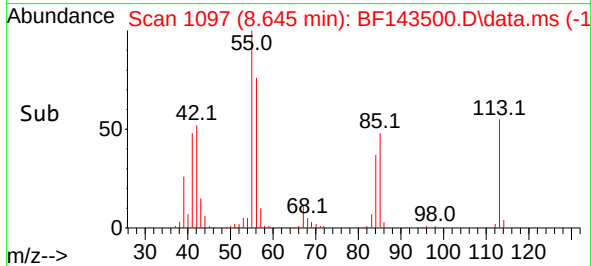
Instrument :
BNA_F
ClientSampleId :
PB169223BS



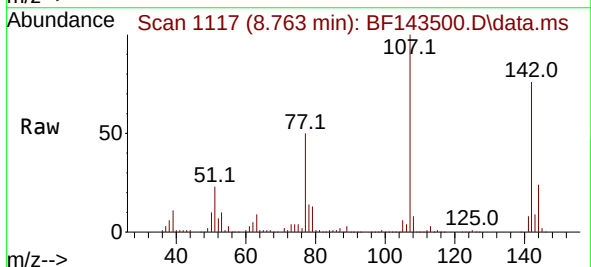
Tgt Ion:113 Resp: 83934
Ion Ratio Lower Upper
113 100
55 181.1 162.8 202.8
56 138.4 118.1 158.1

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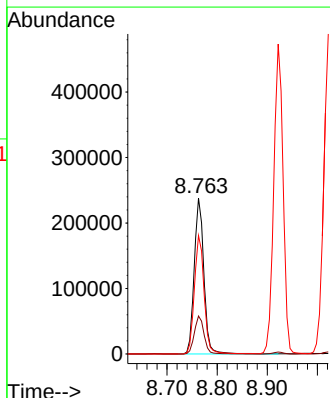
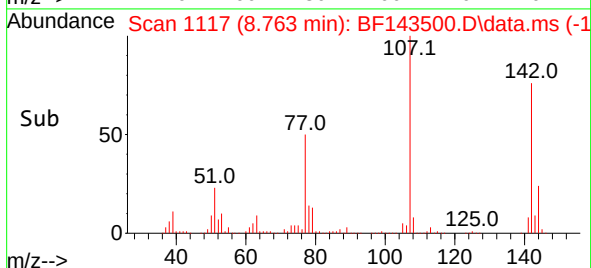
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

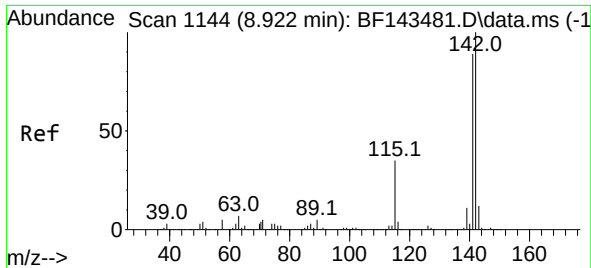


#36
4-Chloro-3-methylphenol
Concen: 44.738 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



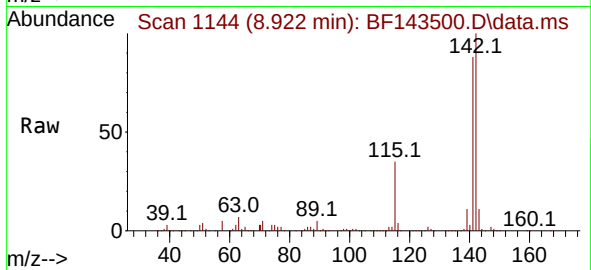
Tgt Ion:107 Resp: 317848
Ion Ratio Lower Upper
107 100
144 24.3 19.9 29.9
142 75.9 61.8 92.8





#37
2-Methylnaphthalene
Concen: 38.588 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

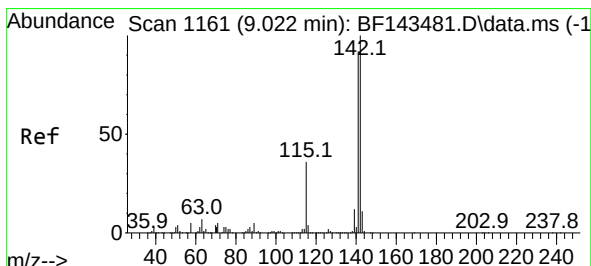
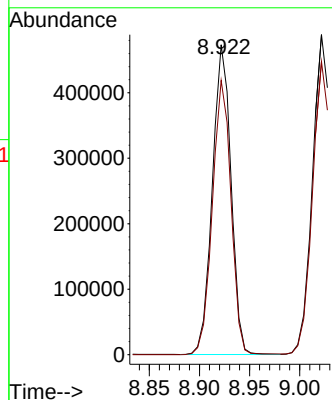
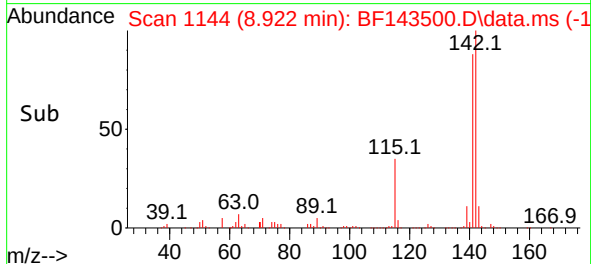
Instrument :
BNA_F
ClientSampleId :
PB169223BS



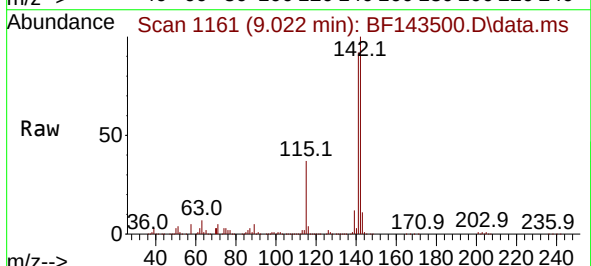
Tgt Ion:142 Resp: 609862
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.4

Manual Integrations
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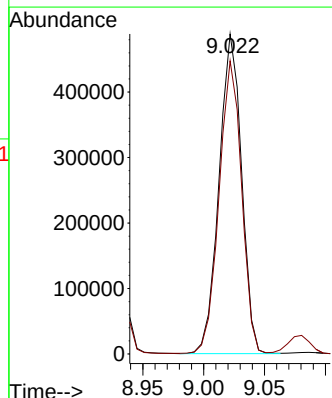
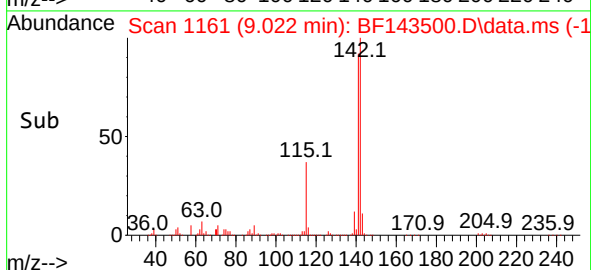
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

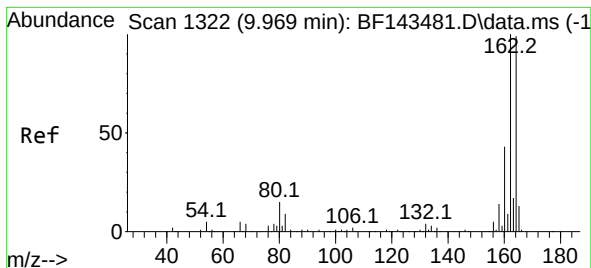


#38
1-Methylnaphthalene
Concen: 41.560 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:142 Resp: 628292
Ion Ratio Lower Upper
142 100
141 91.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143500.D

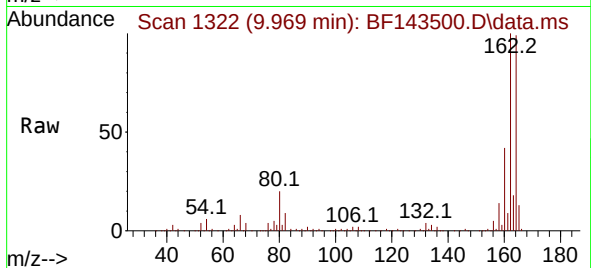
Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

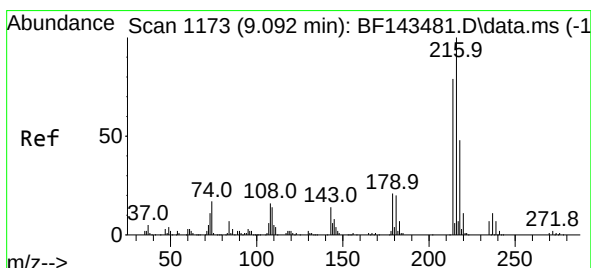
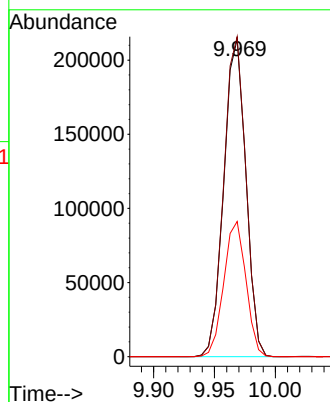
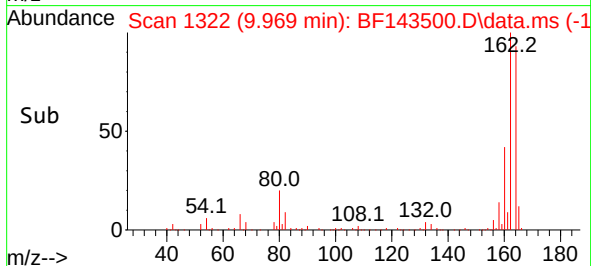


Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.5	120.7
160	42.6	34.3	51.5

Manual Integrations
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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#40

1,2,4,5-Tetrachlorobenzene

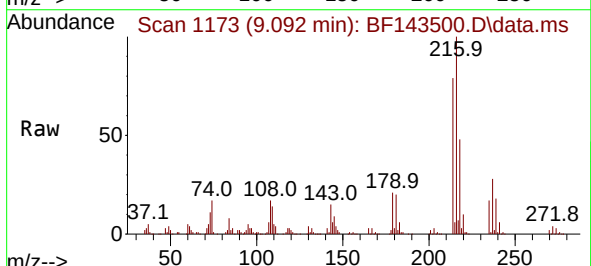
Concen: 42.123 ng

RT: 9.092 min Scan# 1173

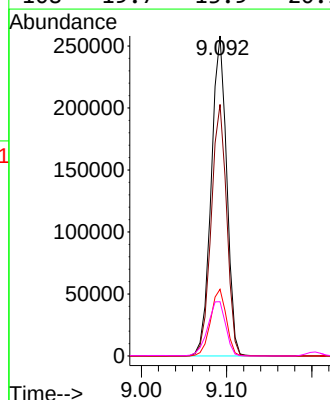
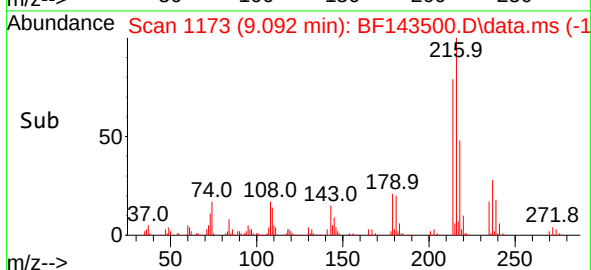
Delta R.T. -0.000 min

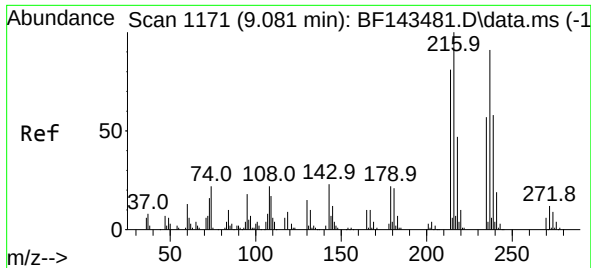
Lab File: BF143500.D

Acq: 20 Aug 2025 23:03



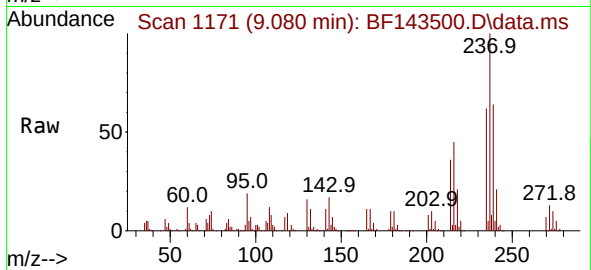
Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.0
179	21.1	16.5	24.7
108	19.7	13.9	20.9





#41
Hexachlorocyclopentadiene
Concen: 102.172 ng
RT: 9.080 min Scan# 1171
Delta R.T. -0.001 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

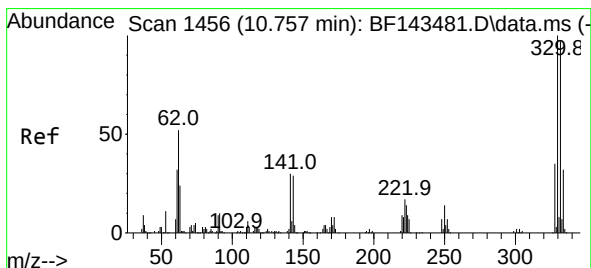
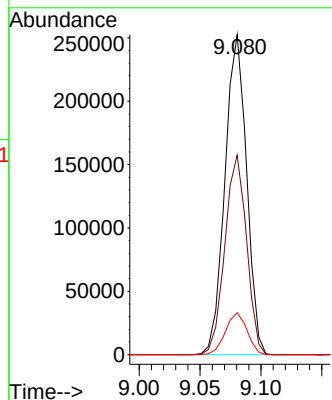
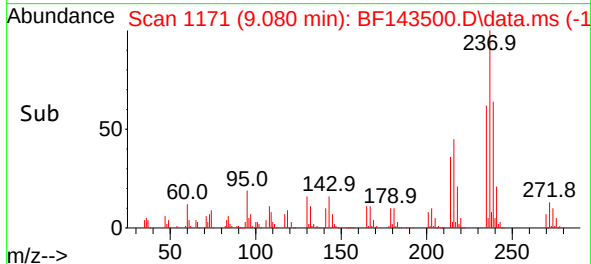
Instrument :
BNA_F
ClientSampleId :
PB169223BS



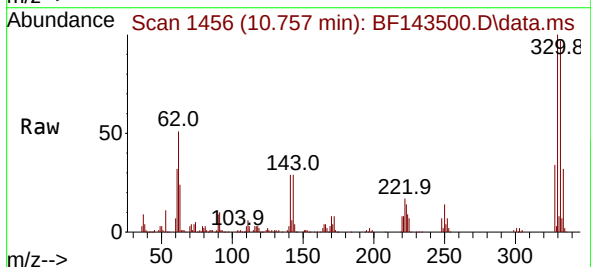
Tgt Ion:237 Resp: 31270
Ion Ratio Lower Upper
237 100
235 62.4 42.6 82.6
272 13.1 0.0 33.4

Manual Integrations
APPROVED

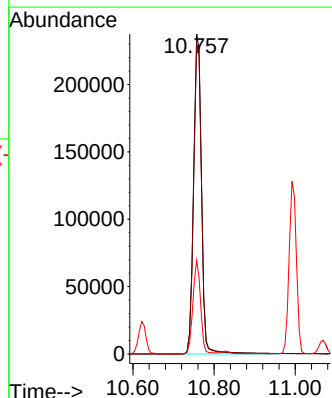
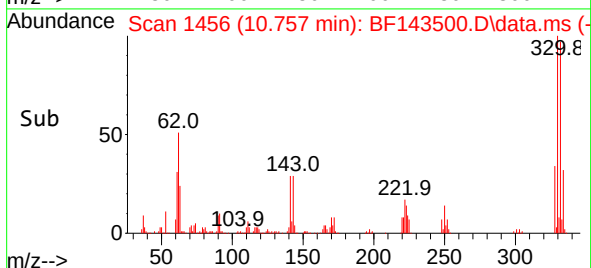
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

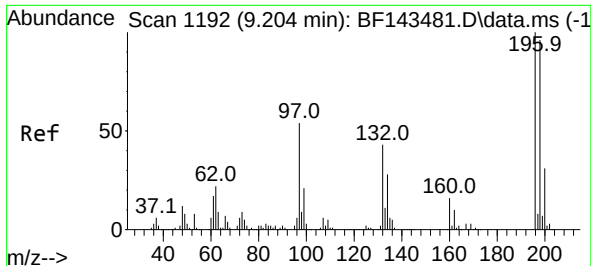


#42
2,4,6-Tribromophenol
Concen: 128.193 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:330 Resp: 322470
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 28.1 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 44.423 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

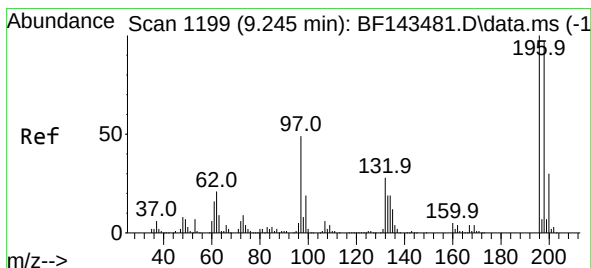
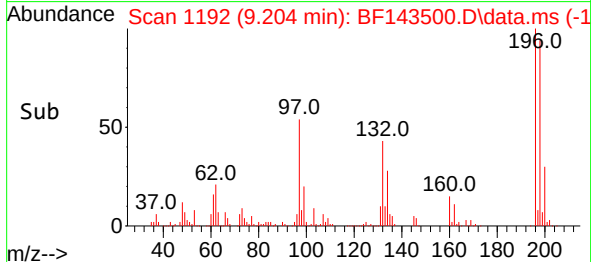
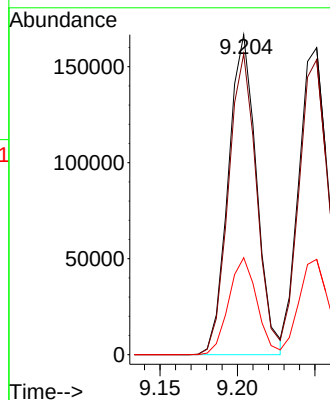
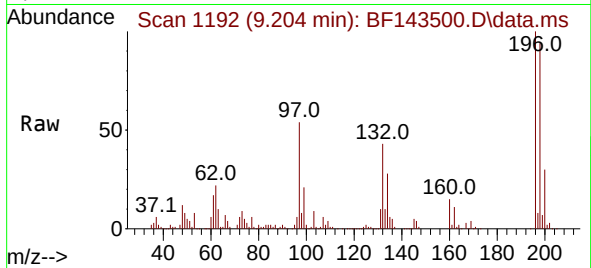
Tgt Ion:196 Resp: 211292
 Ion Ratio Lower Upper
 196 100
 198 94.0 77.0 115.4
 200 30.3 24.6 37.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/21/2025



#44

2,4,5-Trichlorophenol

Concen: 43.200 ng

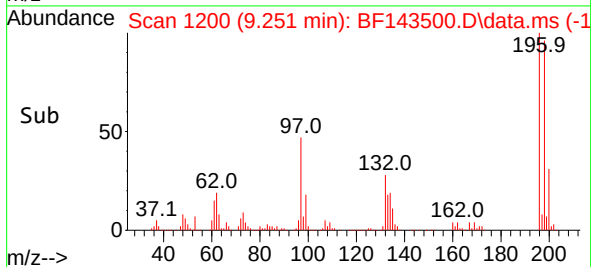
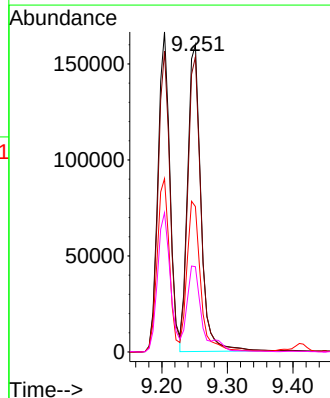
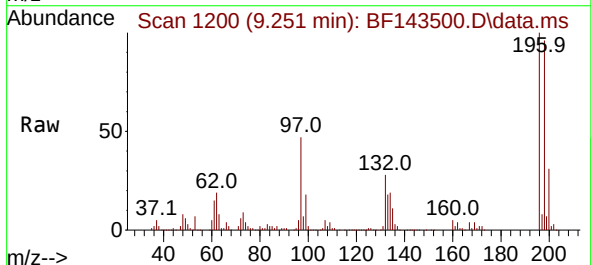
RT: 9.251 min Scan# 1200

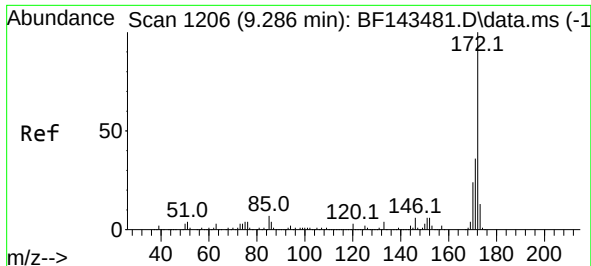
Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

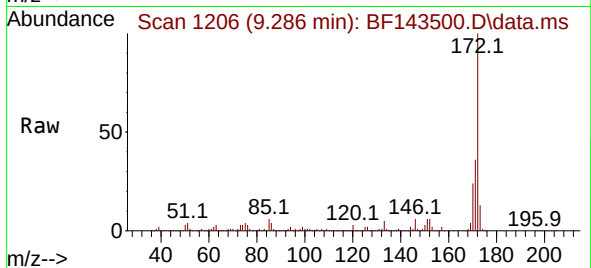
Tgt Ion:196 Resp: 224442
 Ion Ratio Lower Upper
 196 100
 198 96.1 77.3 115.9
 97 47.4 40.0 60.0
 132 27.8 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 82.919 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

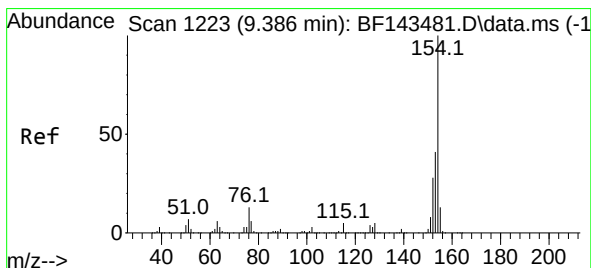
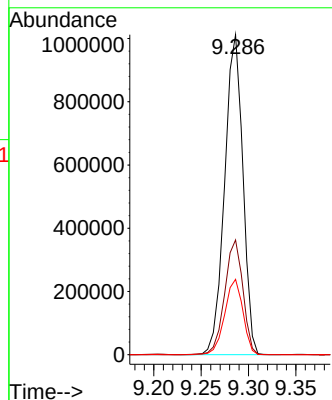
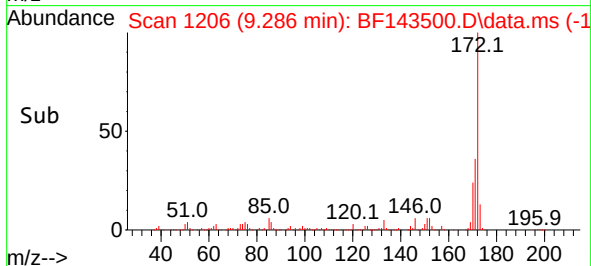
Instrument :
BNA_F
ClientSampleId :
PB169223BS



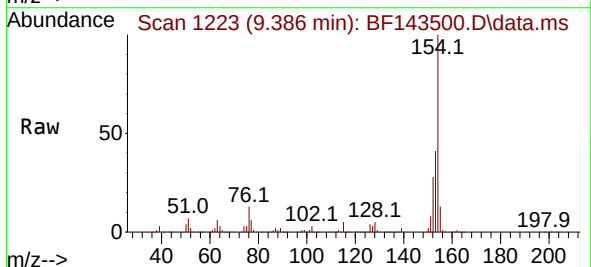
Tgt Ion:172 Resp: 1355850
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.6 18.8 28.2

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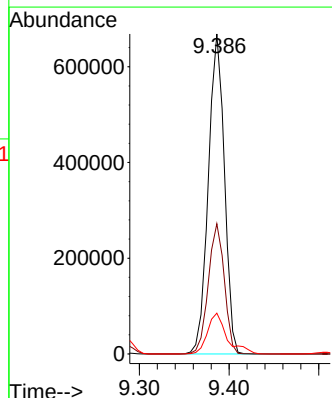
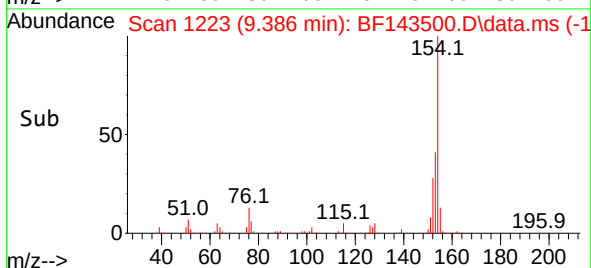
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

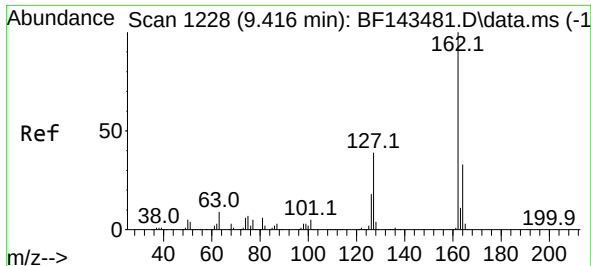


#46
1,1'-Biphenyl
Concen: 43.331 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:154 Resp: 831130
Ion Ratio Lower Upper
154 100
153 40.7 20.6 60.6
76 12.8 0.0 33.0





#47

2-Chloronaphthalene

Concen: 42.690 ng

RT: 9.410 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

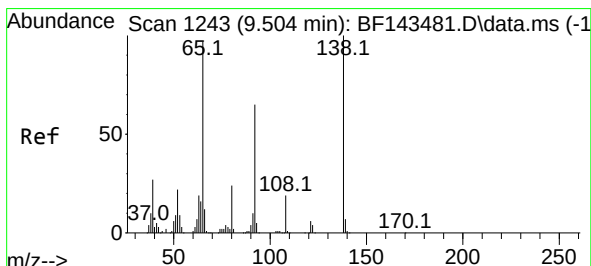
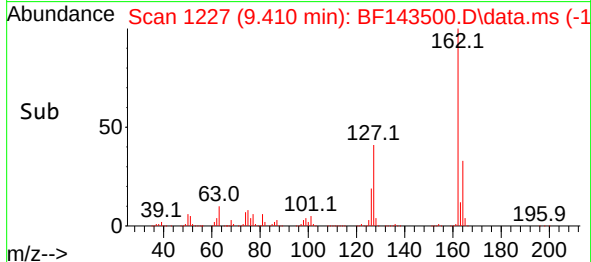
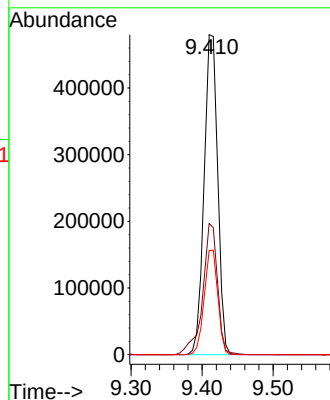
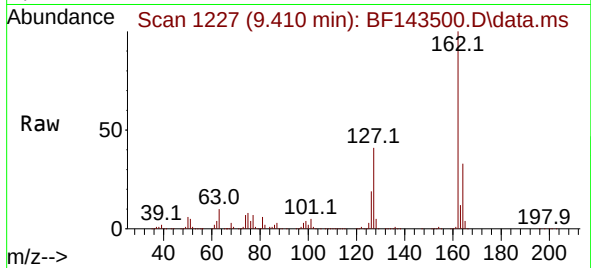
Tgt Ion:162 Resp: 642470
 Ion Ratio Lower Upper
 162 100
 127 41.0 31.8 47.6
 164 32.6 26.4 39.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#48

2-Nitroaniline

Concen: 45.656 ng

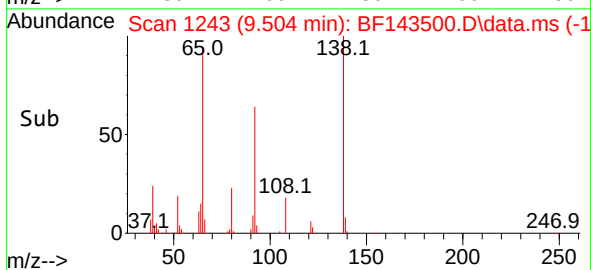
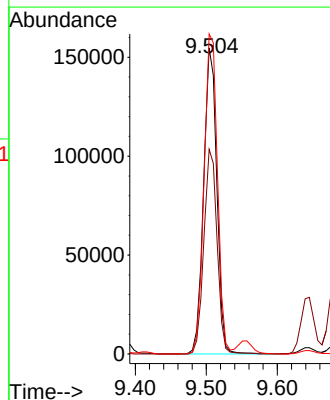
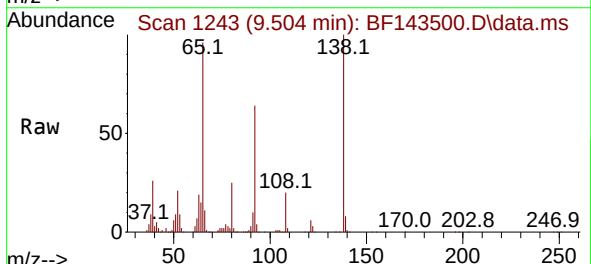
RT: 9.504 min Scan# 1243

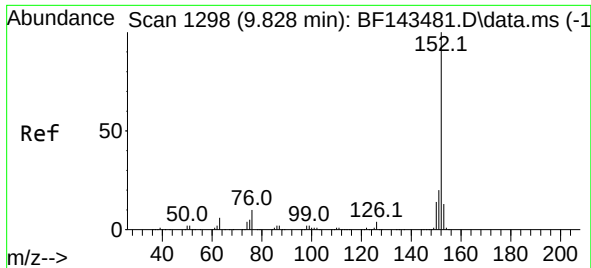
Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

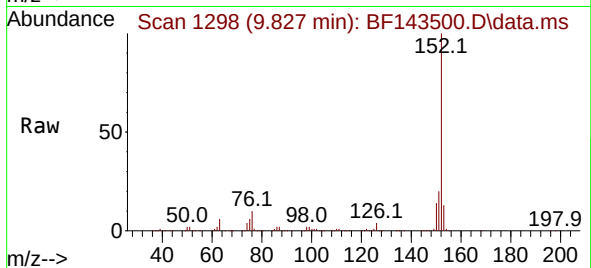
Tgt Ion: 65 Resp: 201092
 Ion Ratio Lower Upper
 65 100
 92 66.9 53.8 80.6
 138 104.5 82.4 123.6





#49
Acenaphthylene
Concen: 47.720 ng
RT: 9.827 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

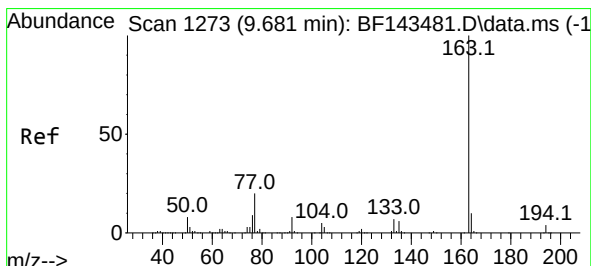
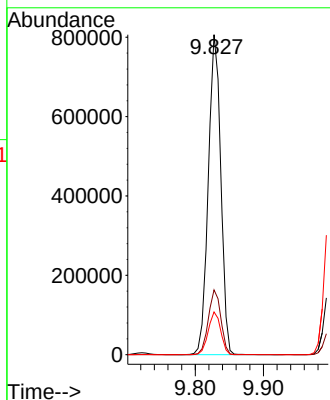
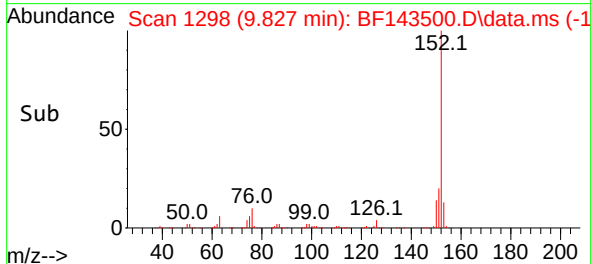
Instrument :
BNA_F
ClientSampleId :
PB169223BS



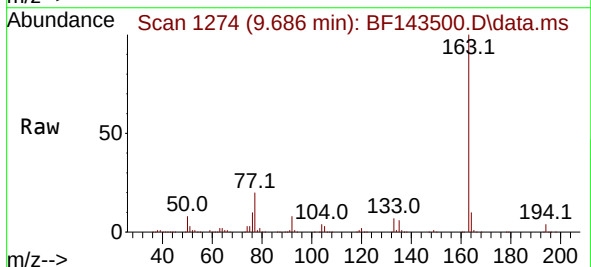
Tgt Ion:152 Resp: 1028329
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 13.4 10.6 15.8

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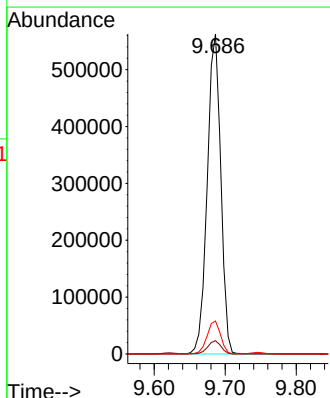
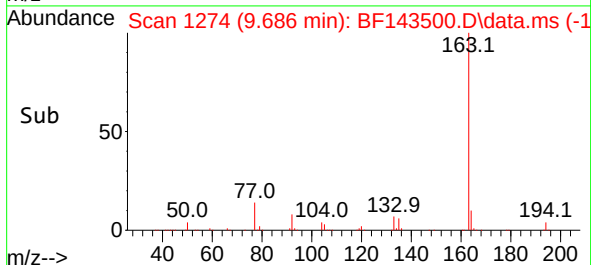
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

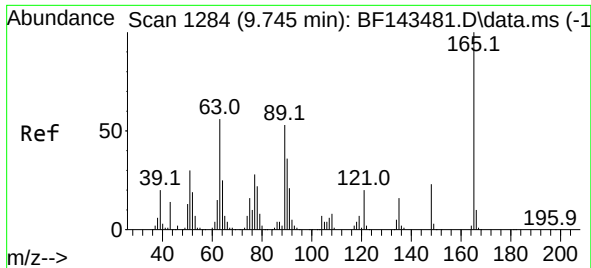


#50
Dimethylphthalate
Concen: 45.777 ng
RT: 9.686 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



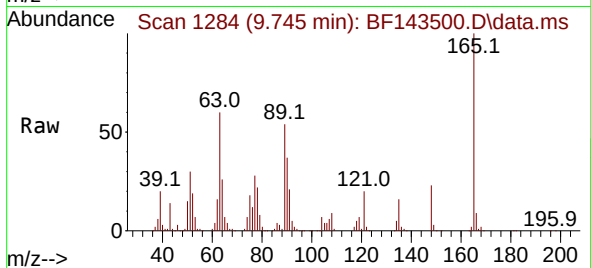
Tgt Ion:163 Resp: 745057
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.3 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 47.445 ng
RT: 9.745 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

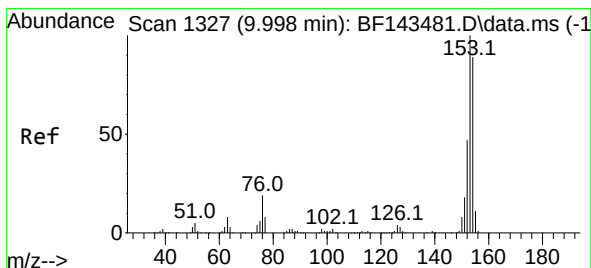
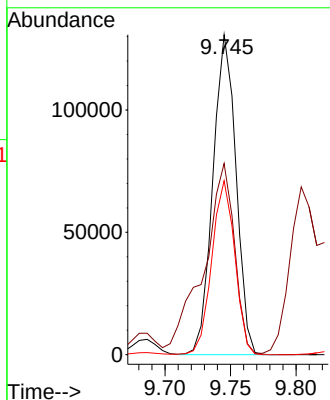
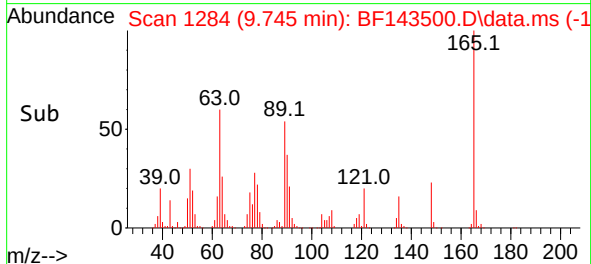
Instrument :
BNA_F
ClientSampleId :
PB169223BS



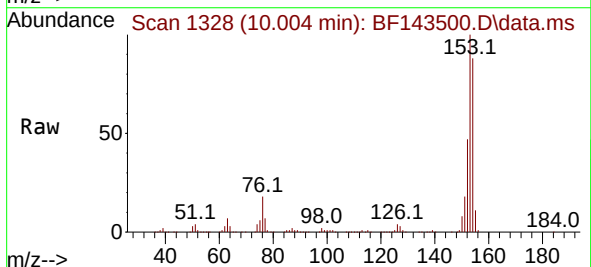
Tgt Ion:165 Resp: 16004
Ion Ratio Lower Upper
165 100
63 59.7 45.0 67.6
89 54.3 42.5 63.7

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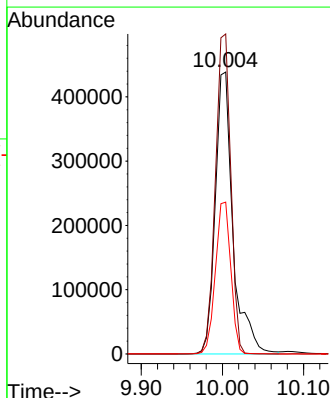
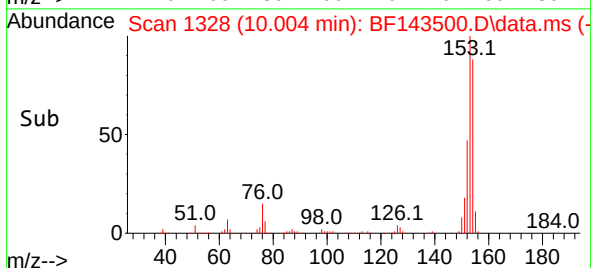
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

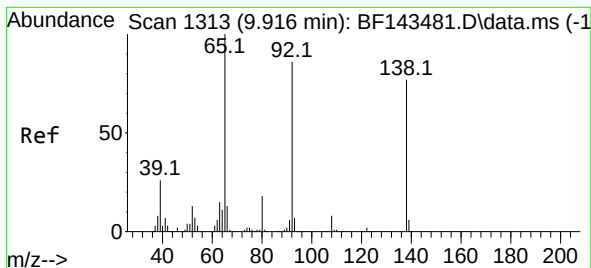


#52
Acenaphthene
Concen: 45.591 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



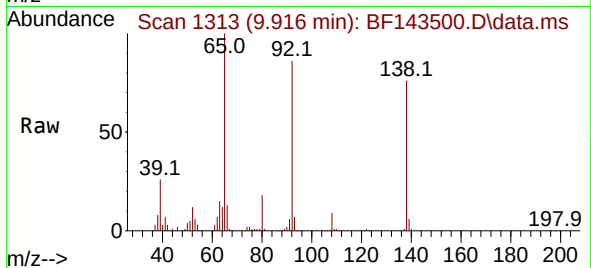
Tgt Ion:154 Resp: 667045
Ion Ratio Lower Upper
154 100
153 113.5 89.5 134.3
152 53.9 42.5 63.7





#53
3-Nitroaniline
Concen: 39.586 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

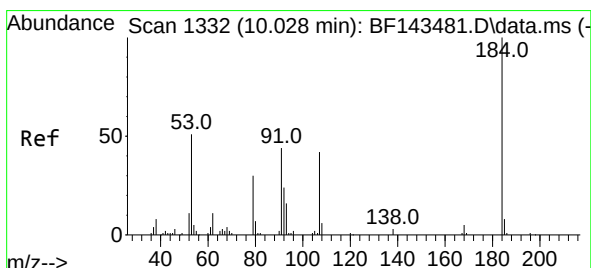
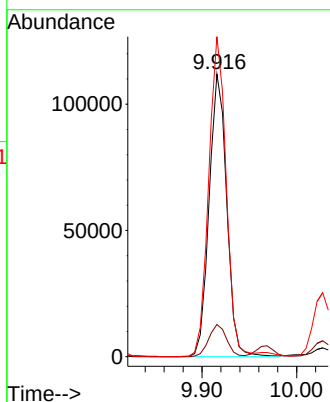
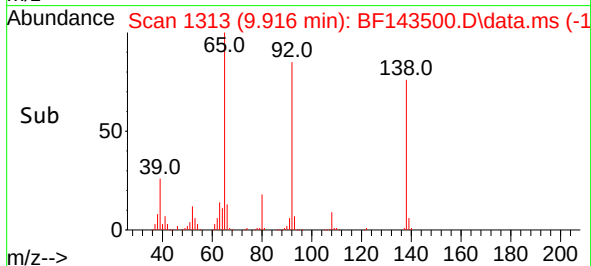
Instrument :
BNA_F
ClientSampleId :
PB169223BS



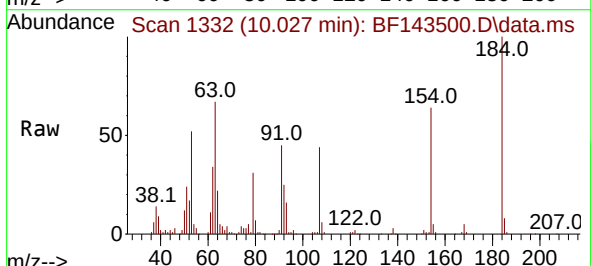
Tgt Ion:138 Resp: 144290
Ion Ratio Lower Upper
138 100
108 11.4 8.6 13.0
92 113.3 89.8 134.8

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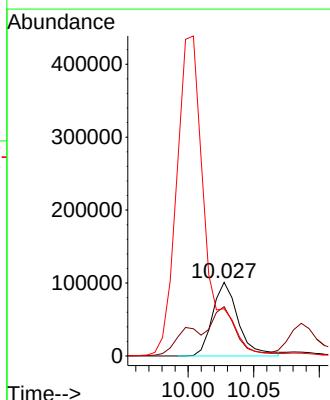
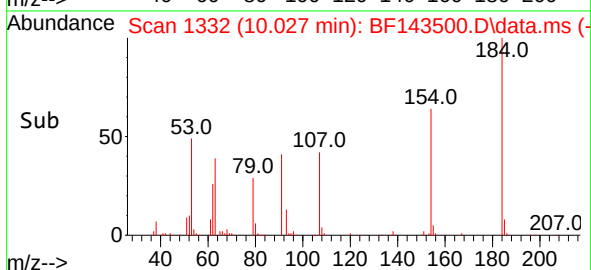
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

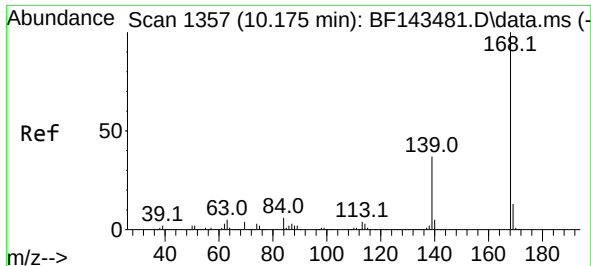


#54
2,4-Dinitrophenol
Concen: 76.758 ng
RT: 10.027 min Scan# 1332
Delta R.T. -0.001 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



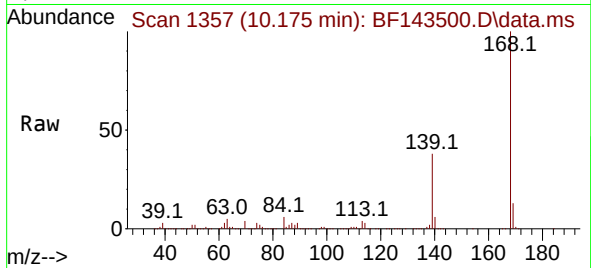
Tgt Ion:184 Resp: 138052
Ion Ratio Lower Upper
184 100
63 67.0 52.6 78.8
154 64.2 51.0 76.4





#55
Dibenzofuran
Concen: 43.227 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

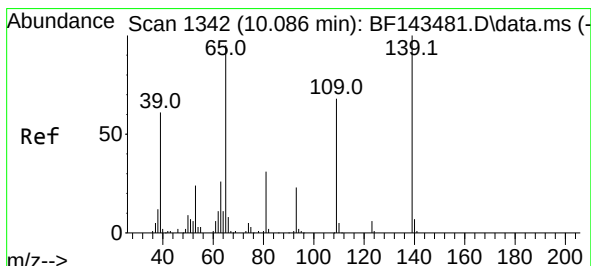
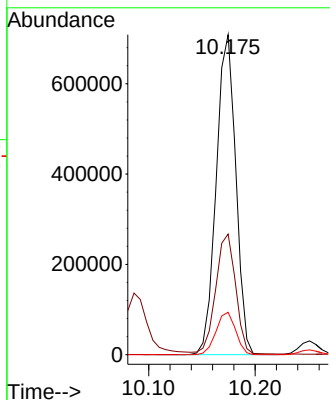
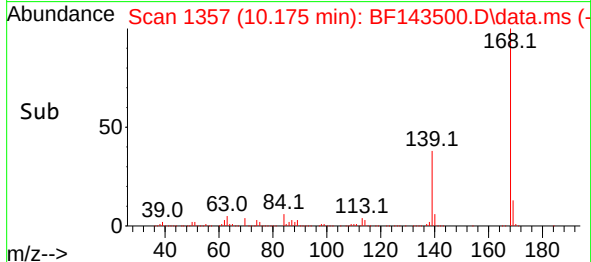
Instrument :
BNA_F
ClientSampleId :
PB169223BS



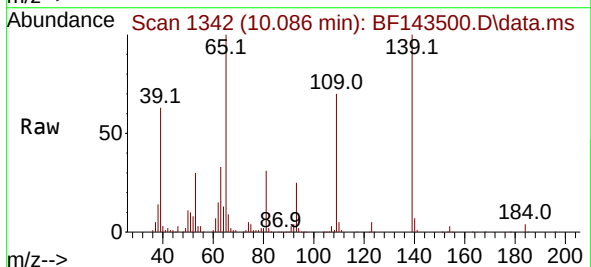
Tgt Ion:168 Resp: 90170
Ion Ratio Lower Upper
168 100
139 37.7 29.8 44.6
169 13.3 10.8 16.2

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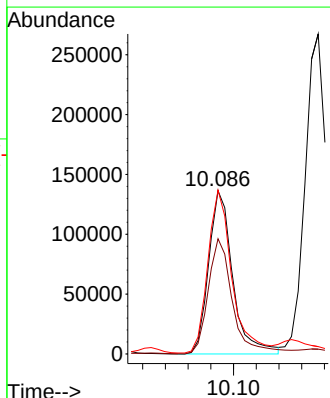
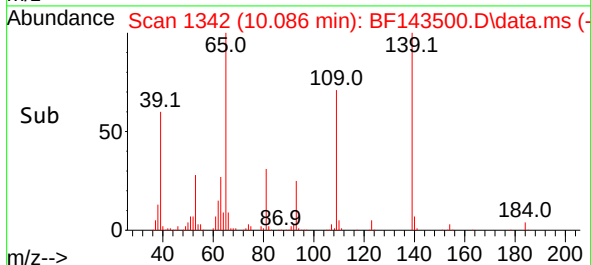
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

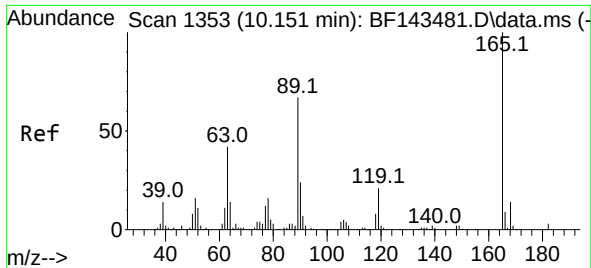


#56
4-Nitrophenol
Concen: 92.862 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



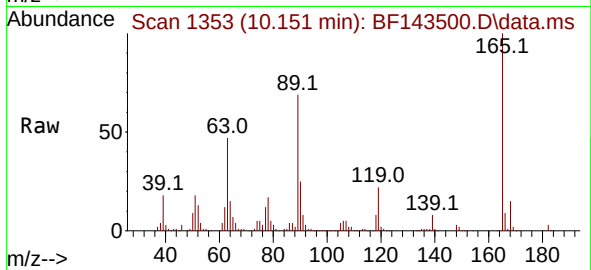
Tgt Ion:139 Resp: 201396
Ion Ratio Lower Upper
139 100
109 70.6 48.2 88.2
65 100.4 75.8 115.8





#57
2,4-Dinitrotoluene
Concen: 48.035 ng
RT: 10.151 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

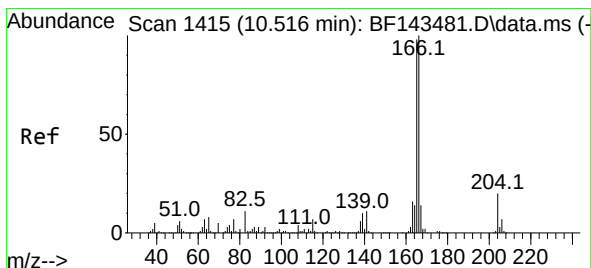
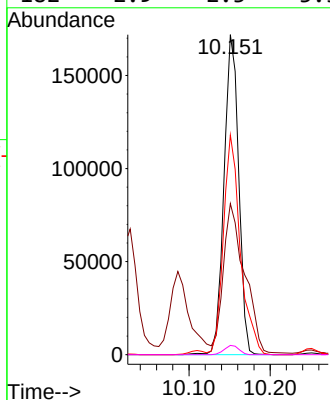
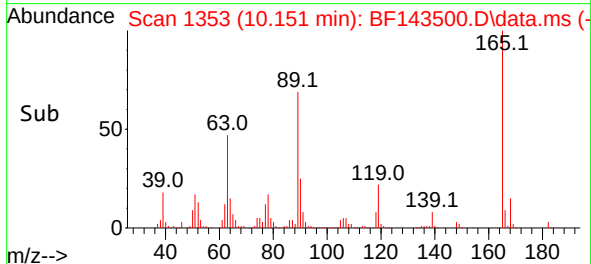
Instrument :
BNA_F
ClientSampleId :
PB169223BS



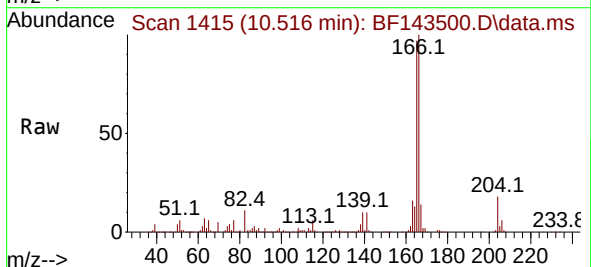
Tgt Ion:165 Resp: 216352
Ion Ratio Lower Upper
165 100
63 47.2 34.9 52.3
89 68.6 53.3 79.9
182 2.9 2.3 3.5

Manual Integrations
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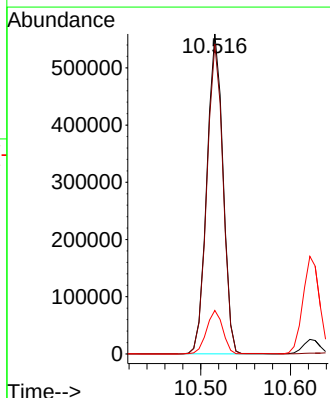
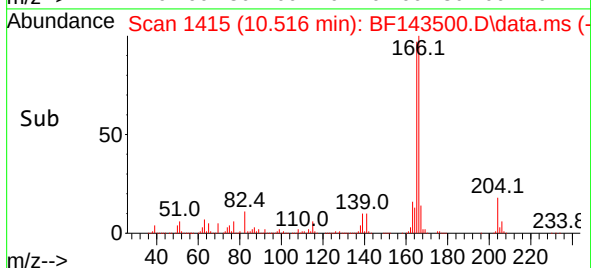
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

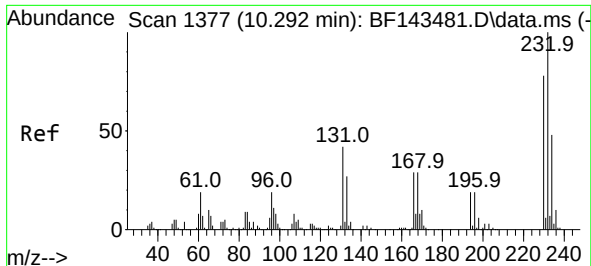


#58
Fluorene
Concen: 43.405 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



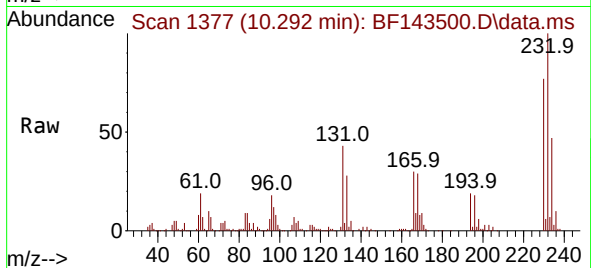
Tgt Ion:166 Resp: 696847
Ion Ratio Lower Upper
166 100
165 96.8 78.3 117.5
167 13.6 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.253 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

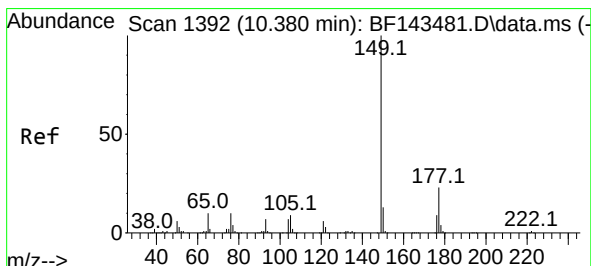
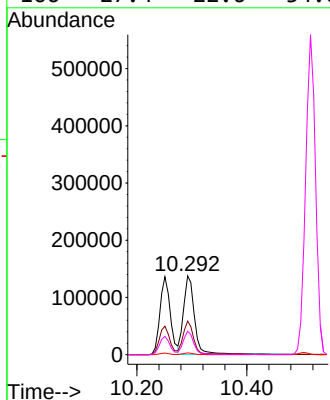
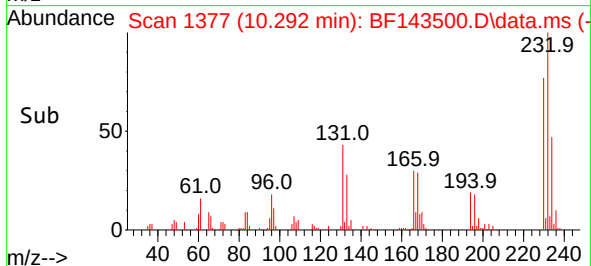
Instrument :
BNA_F
ClientSampleId :
PB169223BS



Tgt Ion:232 Resp: 190110
Ion Ratio Lower Upper
232 100
131 41.5 32.7 49.1
130 2.1 1.6 2.4
166 27.4 22.6 34.0

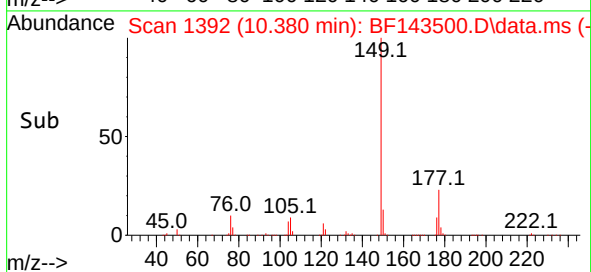
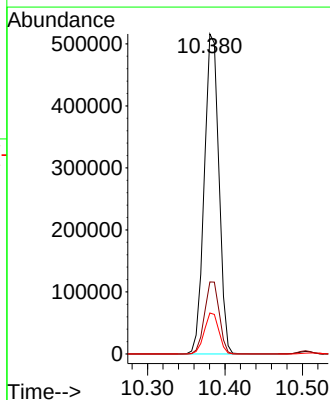
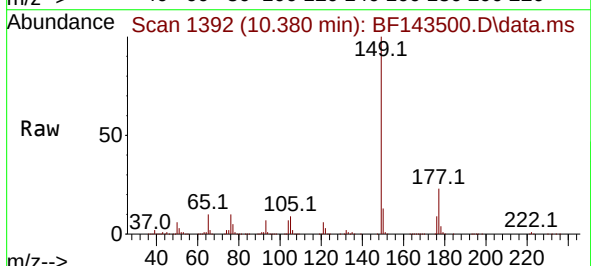
Manual Integrations
APPROVED

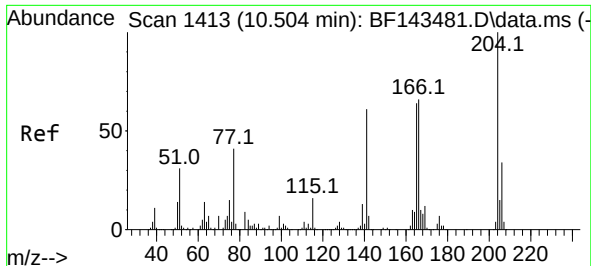
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#60
Diethylphthalate
Concen: 46.264 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

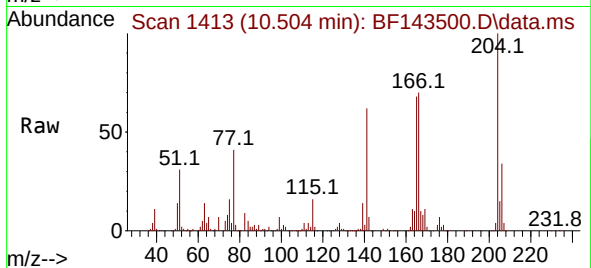
Tgt Ion:149 Resp: 675090
Ion Ratio Lower Upper
149 100
177 22.5 18.3 27.5
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 42.770 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

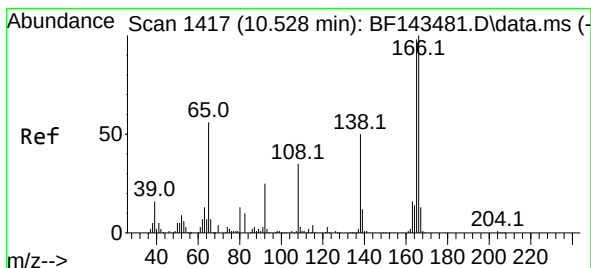
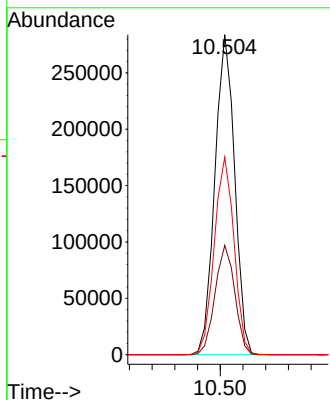
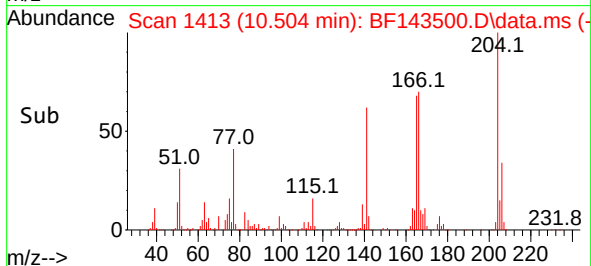
Instrument :
BNA_F
ClientSampleId :
PB169223BS



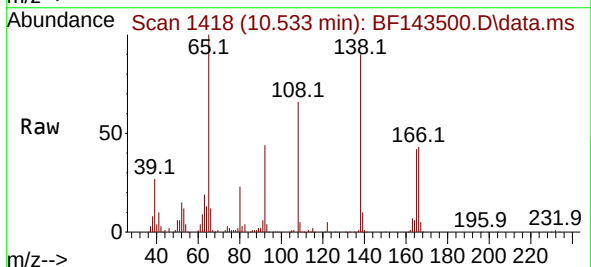
Tgt Ion:204 Resp: 34340
Ion Ratio Lower Upper
204 100
206 34.2 27.0 40.4
141 61.8 48.7 73.1

Manual Integrations
APPROVED

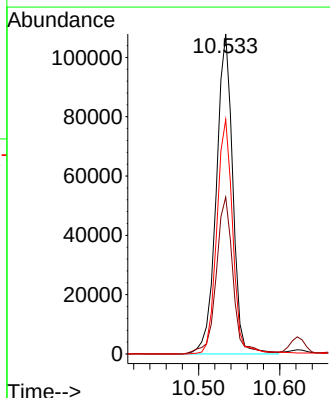
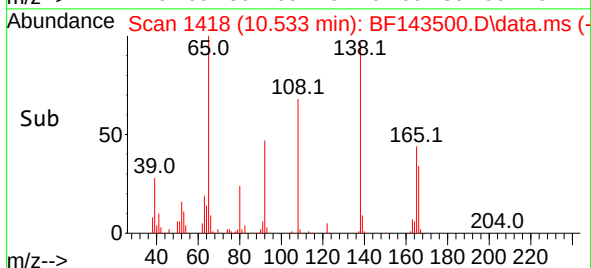
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

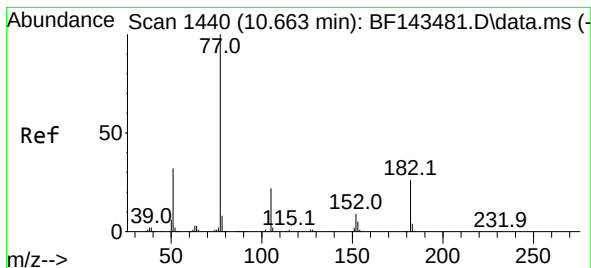


#62
4-Nitroaniline
Concen: 45.645 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



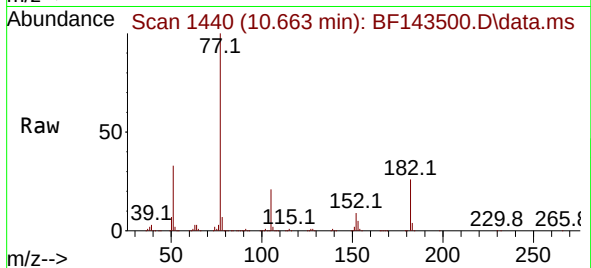
Tgt Ion:138 Resp: 152819
Ion Ratio Lower Upper
138 100
92 49.0 29.3 69.3
108 73.3 50.7 90.7





#63
Azobenzene
Concen: 45.223 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

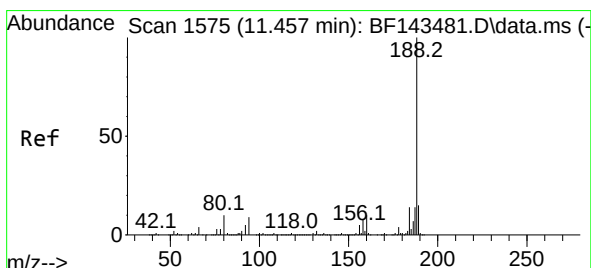
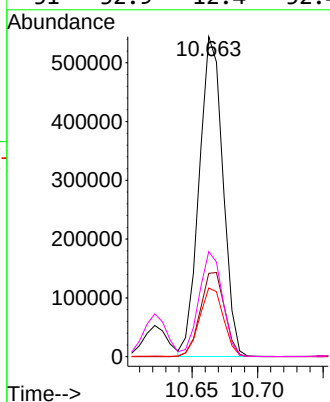
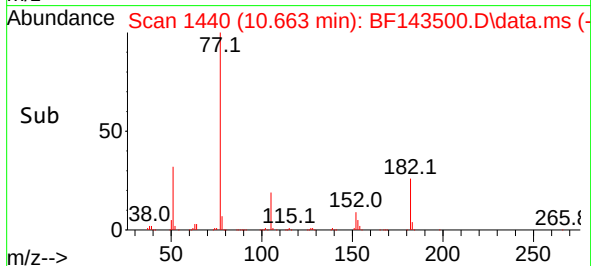
Instrument :
BNA_F
ClientSampleId :
PB169223BS



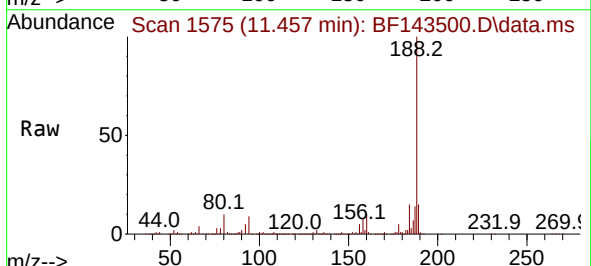
Tgt Ion: 77 Resp: 68424
Ion Ratio Lower Upper
77 100
182 26.0 6.2 46.2
105 21.5 2.2 42.2
51 32.9 12.4 52.4

Manual Integrations
APPROVED

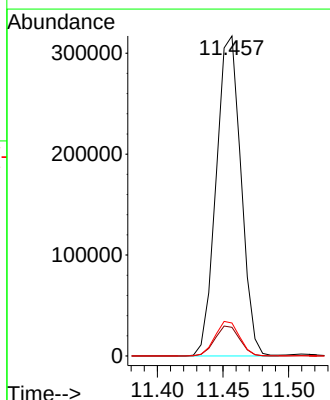
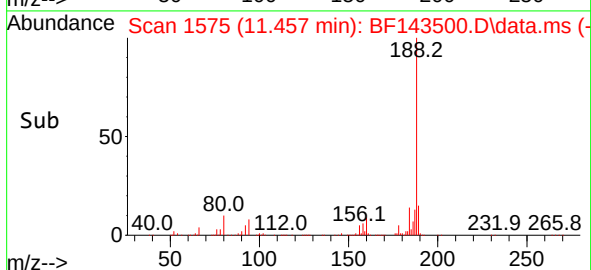
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

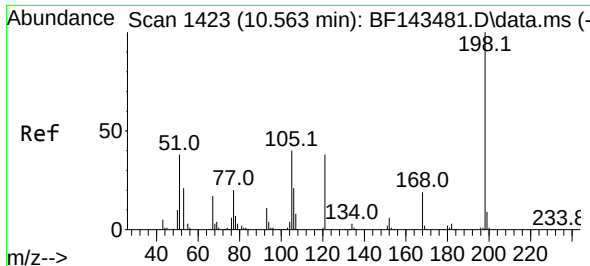


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:188 Resp: 416818
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.3 8.2 12.4





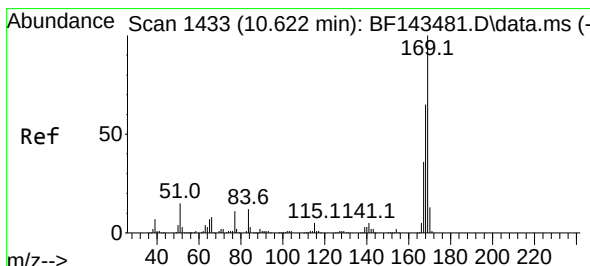
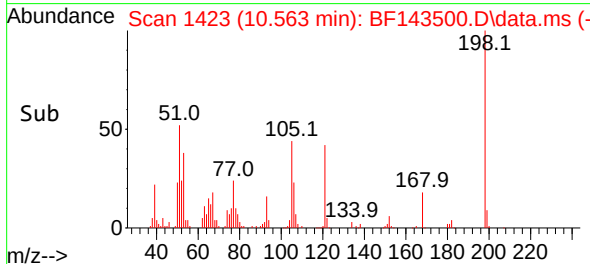
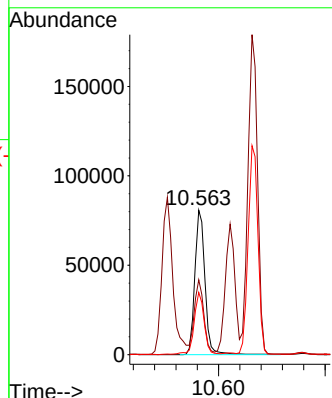
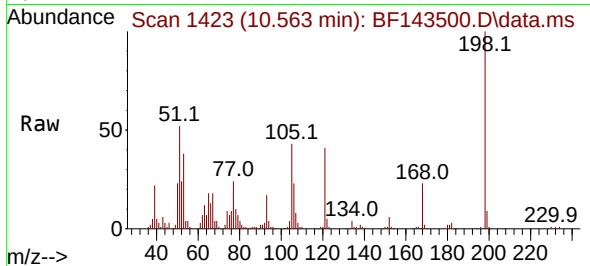
#65
4,6-Dinitro-2-methylphenol
Concen: 45.701 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :
BNA_F
ClientSampleId :
PB169223BS

Tgt Ion:198 Resp: 10740
Ion Ratio Lower Upper
198 100
51 51.8 29.6 69.6
105 43.1 21.5 61.5

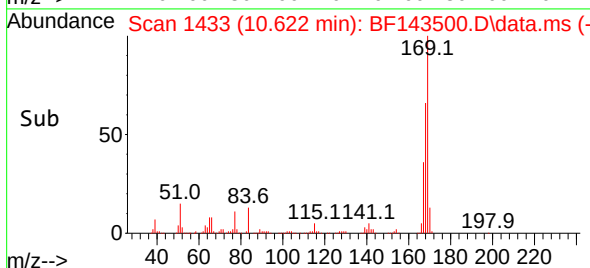
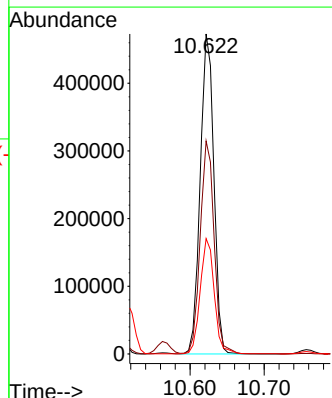
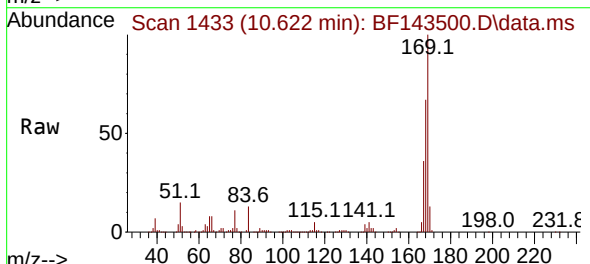
Manual Integrations
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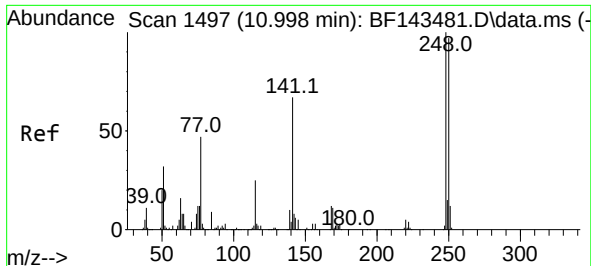
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#66
n-Nitrosodiphenylamine
Concen: 44.973 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

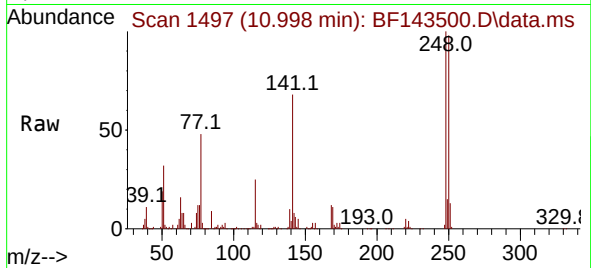
Tgt Ion:169 Resp: 603271
Ion Ratio Lower Upper
169 100
168 66.6 52.4 78.6
167 36.1 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 44.529 ng
RT: 10.998 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

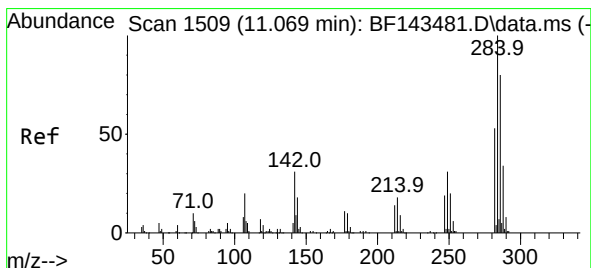
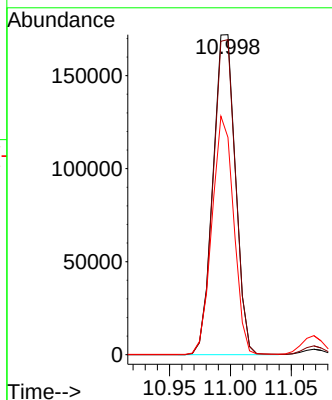
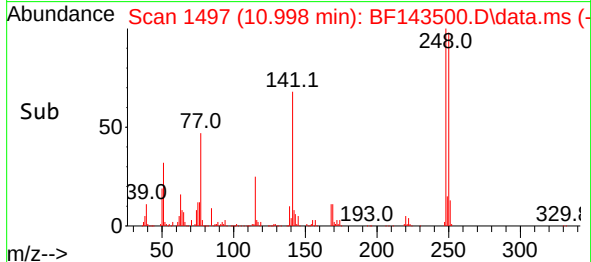
Instrument :
BNA_F
ClientSampleId :
PB169223BS



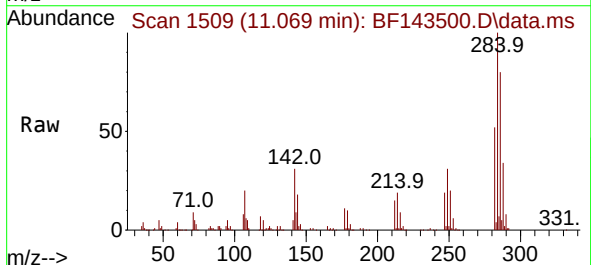
Tgt Ion:248 Resp: 22145
Ion Ratio Lower Upper
248 100
250 98.4 77.8 116.8
141 67.9 54.0 81.0

Manual Integrations
APPROVED

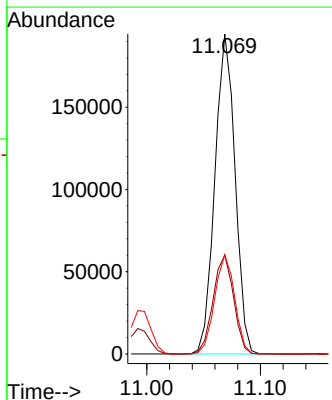
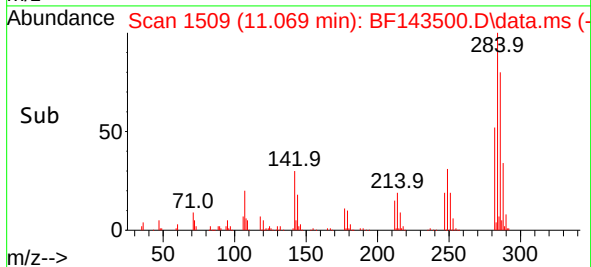
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

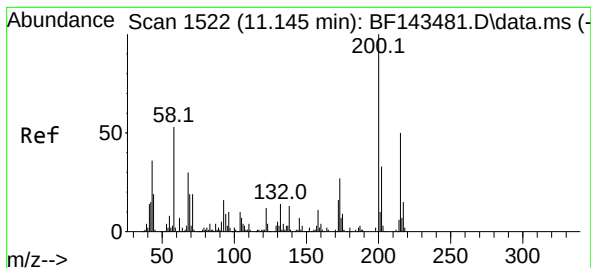


#68
Hexachlorobenzene
Concen: 44.797 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:284 Resp: 240151
Ion Ratio Lower Upper
284 100
142 30.9 24.4 36.6
249 31.0 25.0 37.6





#69

Atrazine

Concen: 48.496 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143500.D

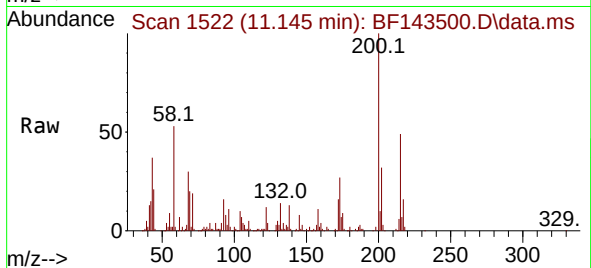
Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS



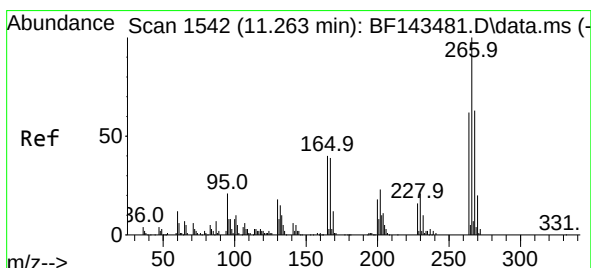
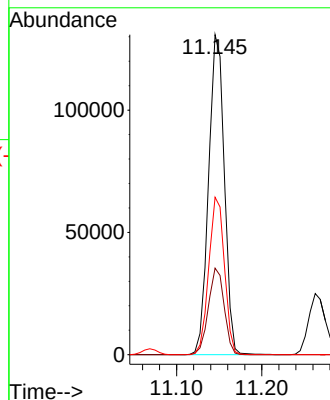
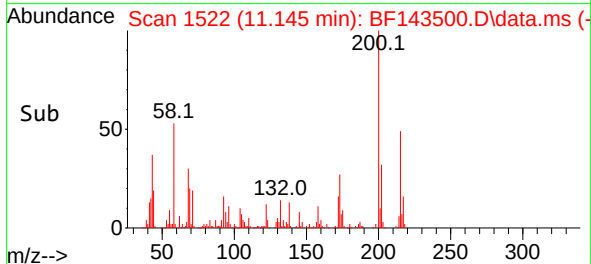
Tgt Ion:	200	Resp:	167924
Ion Ratio	Lower	Upper	
200	100		
173	27.0	6.9	46.9
215	49.2	30.0	70.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#70

Pentachlorophenol

Concen: 89.954 ng

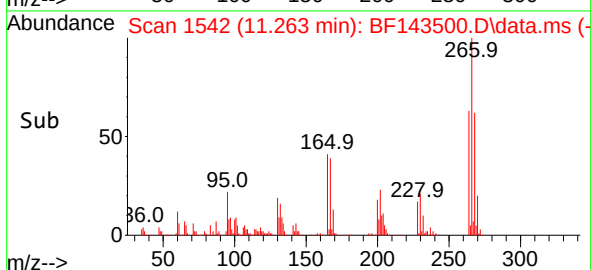
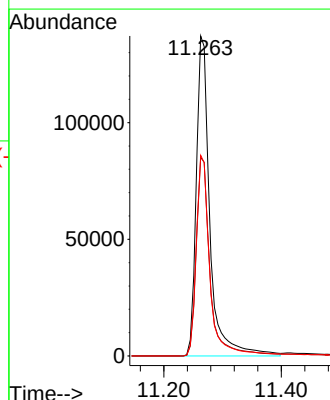
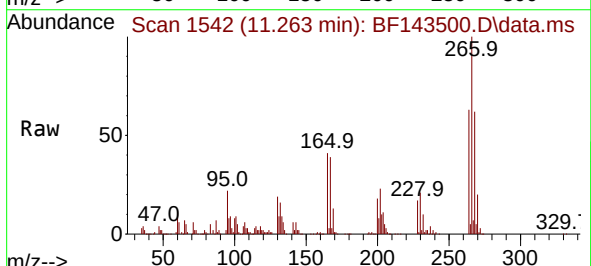
RT: 11.263 min Scan# 1542

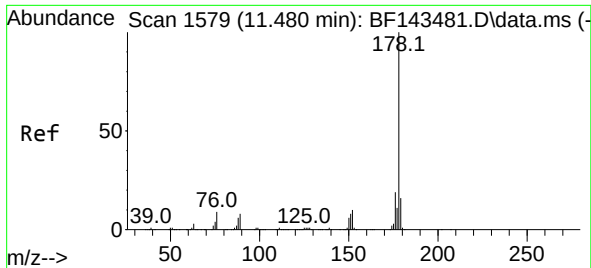
Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

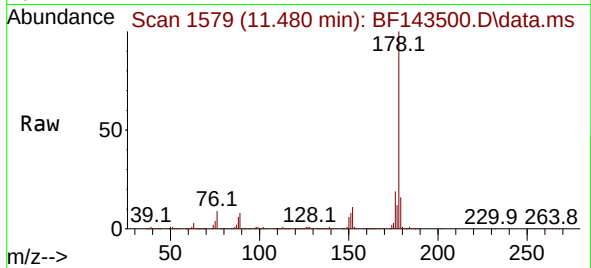
Tgt Ion:	266	Resp:	220853
Ion Ratio	Lower	Upper	
266	100		
268	62.0	50.5	75.7
264	62.7	49.8	74.8





#71
Phenanthrene
Concen: 43.251 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

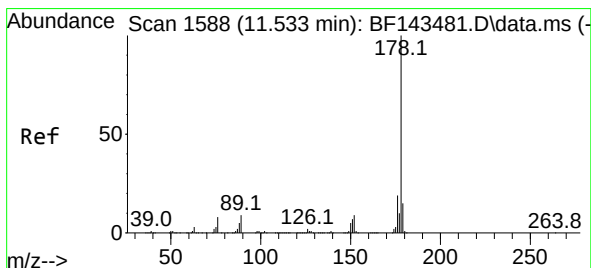
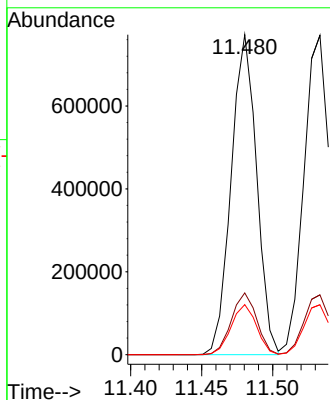
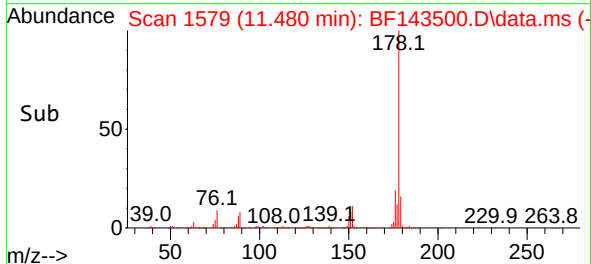
Instrument :
BNA_F
ClientSampleId :
PB169223BS



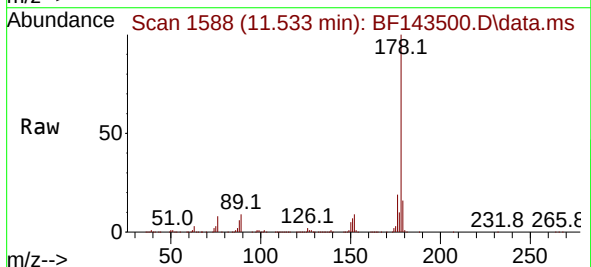
Tgt Ion:178 Resp: 96540
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.7 12.5 18.7

Manual Integrations
APPROVED

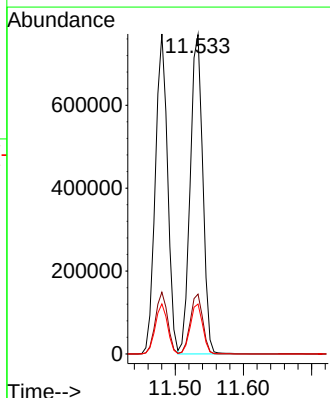
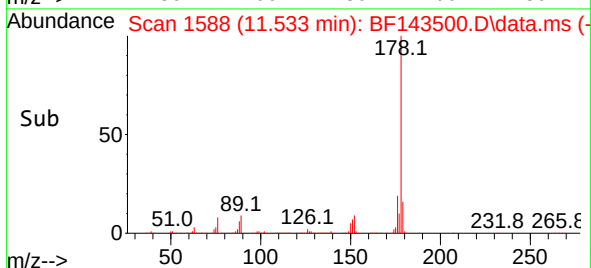
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

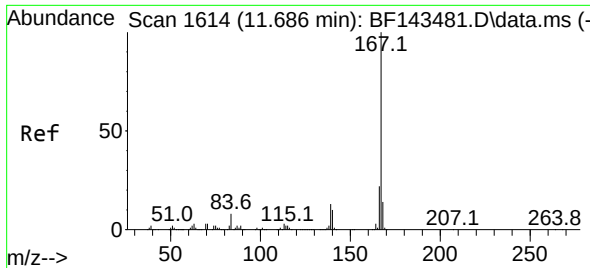


#72
Anthracene
Concen: 43.411 ng
RT: 11.533 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



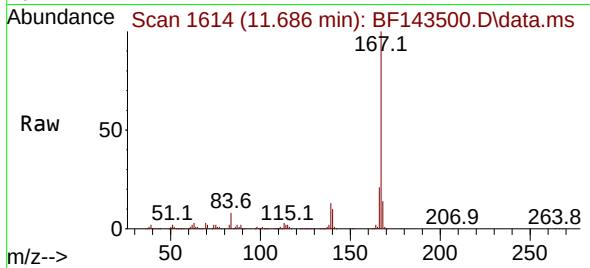
Tgt Ion:178 Resp: 981619
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.6 12.3 18.5





#73
 Carbazole
 Concen: 44.223 ng
 RT: 11.686 min Scan# 1614
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

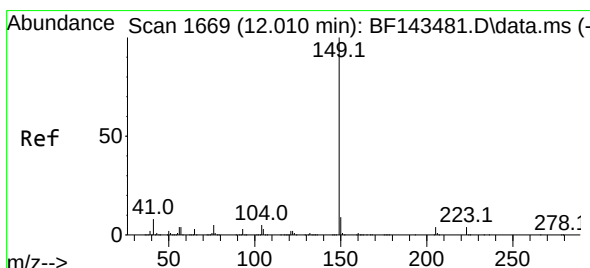
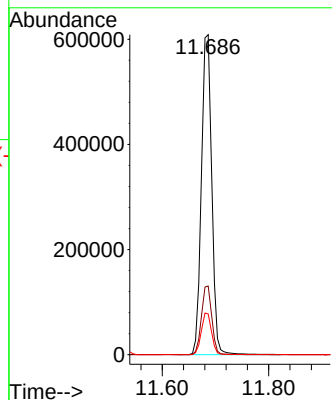
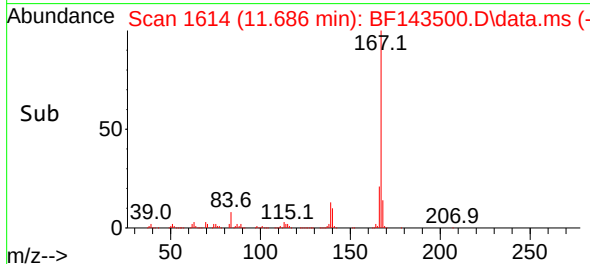
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS



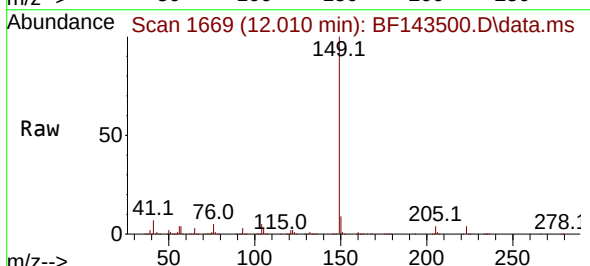
Tgt Ion:167 Resp: 819392
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 12.8 10.0 15.0

Manual Integrations
 APPROVED

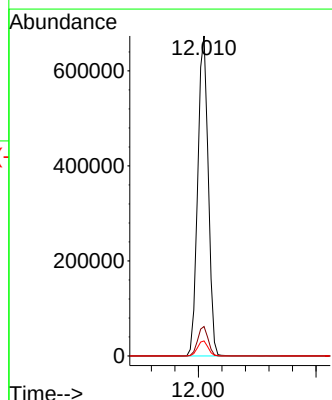
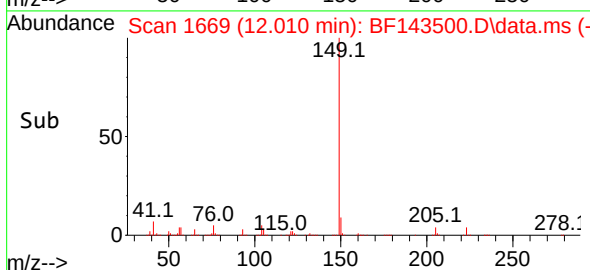
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

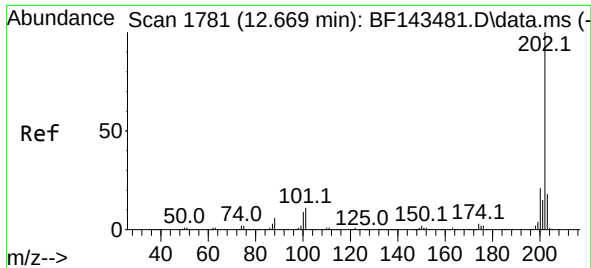


#74
 Di-n-butylphthalate
 Concen: 48.199 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03



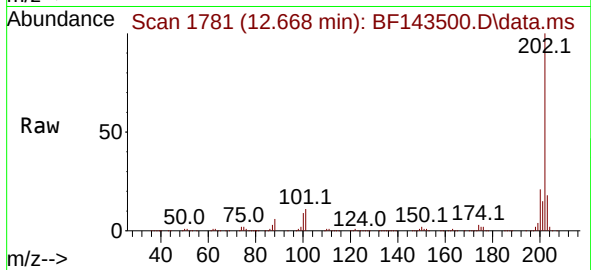
Tgt Ion:149 Resp: 833115
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.2 10.8
 104 4.7 3.6 5.4





#75
Fluoranthene
Concen: 42.907 ng
RT: 12.668 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

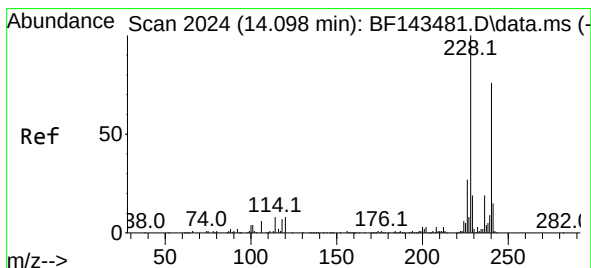
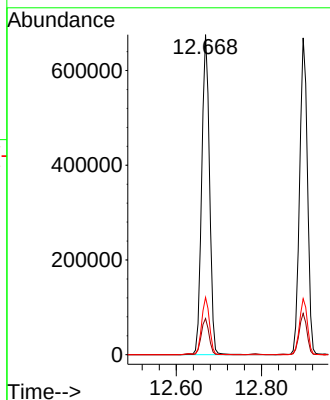
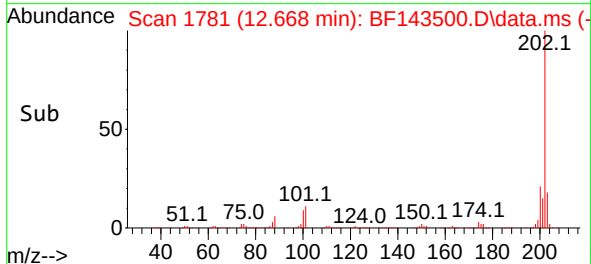
Instrument :
BNA_F
ClientSampleId :
PB169223BS



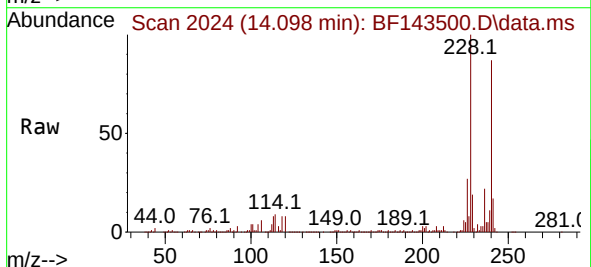
Tgt Ion:202 Resp: 85937
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 17.9 0.0 37.9

Manual Integrations
APPROVED

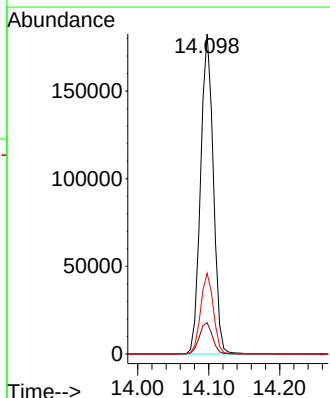
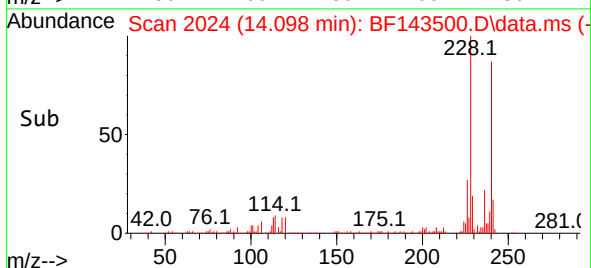
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

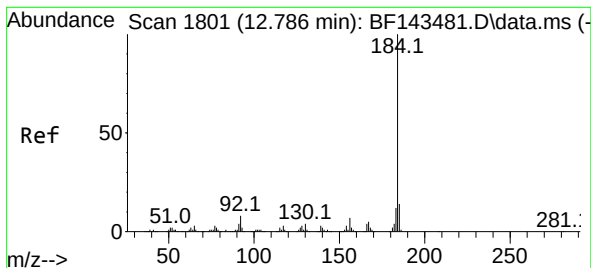


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



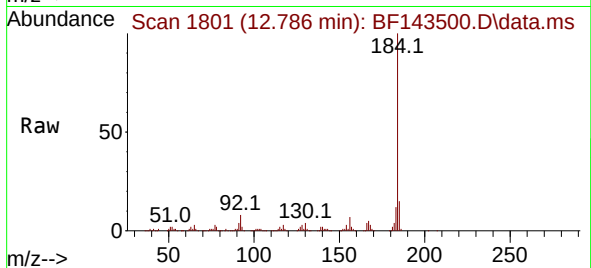
Tgt Ion:240 Resp: 228118
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.2 20.4 30.6





#77
Benzidine
Concen: 71.772 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

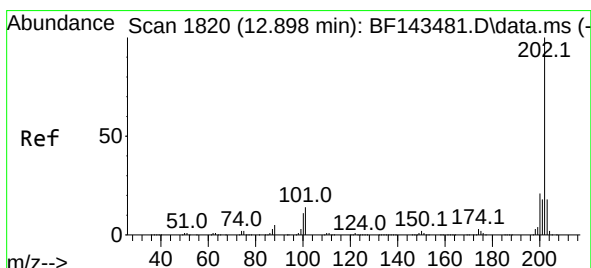
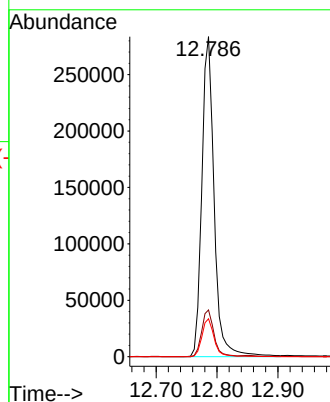
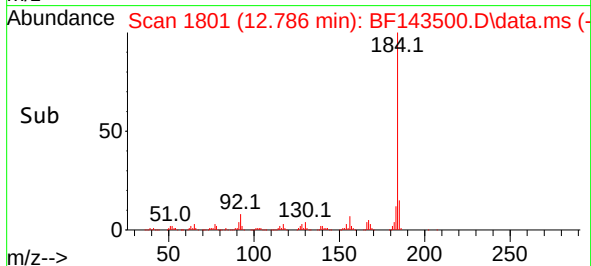
Instrument :
BNA_F
ClientSampleId :
PB169223BS



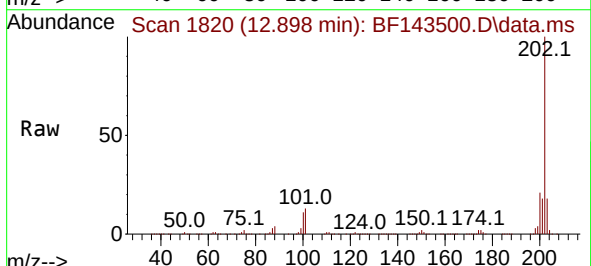
Tgt Ion:184 Resp: 398812
Ion Ratio Lower Upper
184 100
185 14.6 11.3 16.9
183 11.9 9.5 14.3

Manual Integrations
APPROVED

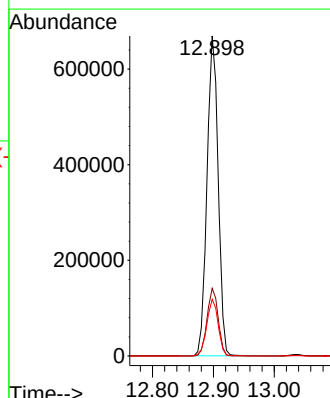
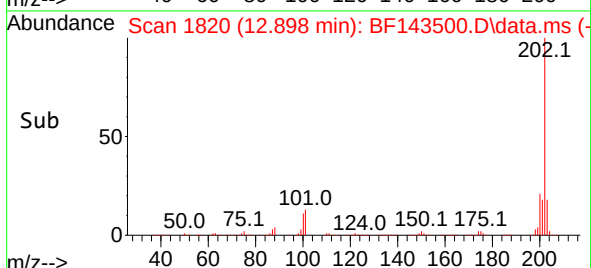
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

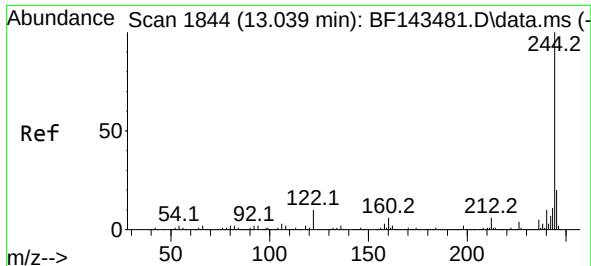


#78
Pyrene
Concen: 45.376 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



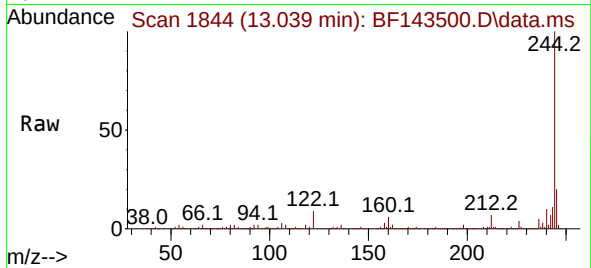
Tgt Ion:202 Resp: 851461
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 91.853 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

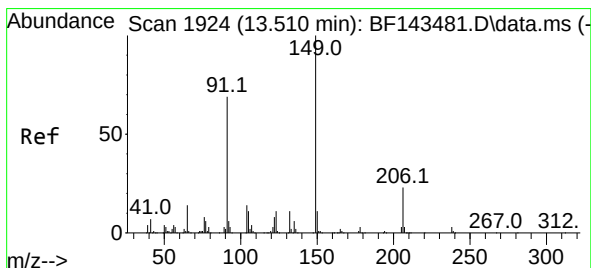
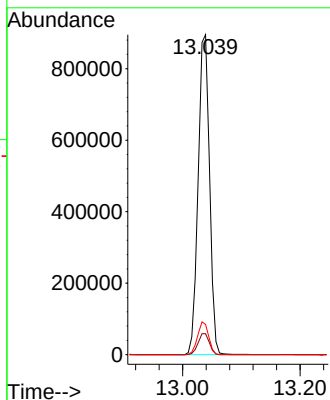
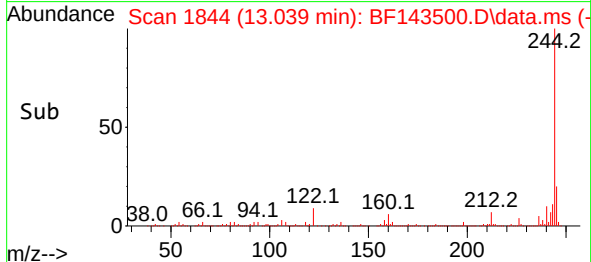
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS



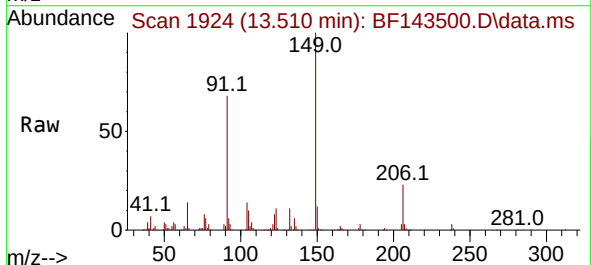
Tgt Ion:244 Resp: 1200740
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 9.5 7.9 11.9

Manual Integrations
 APPROVED

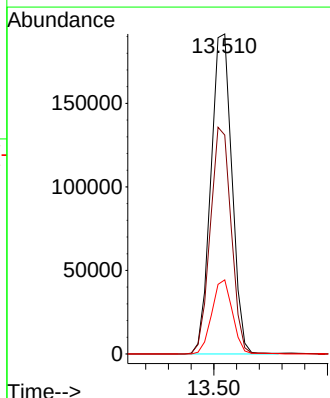
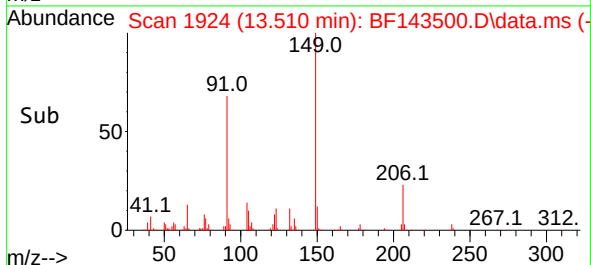
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

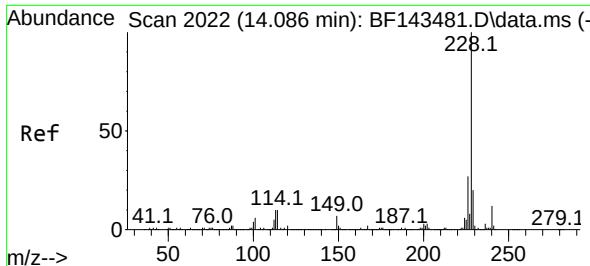


#80
 Butylbenzylphthalate
 Concen: 48.132 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03



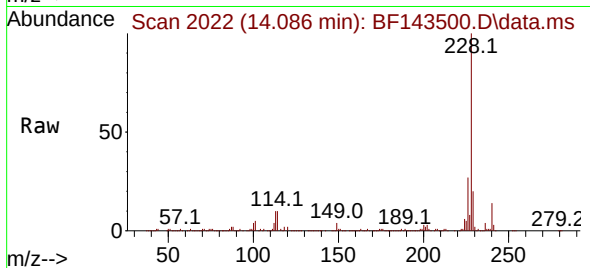
Tgt Ion:149 Resp: 246733
 Ion Ratio Lower Upper
 149 100
 91 68.4 55.3 82.9
 206 23.2 18.2 27.4





#81
Benzo(a)anthracene
Concen: 43.220 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

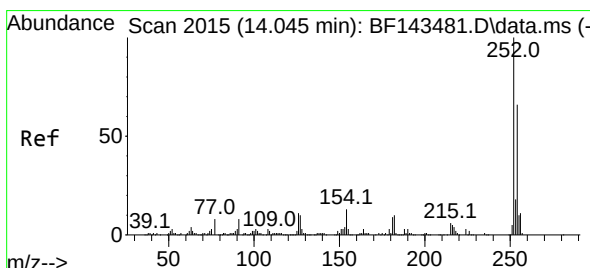
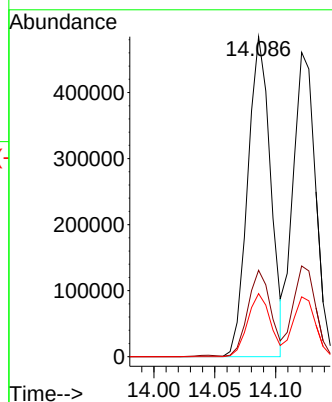
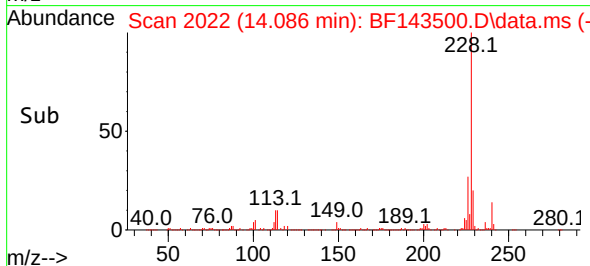
Instrument :
BNA_F
ClientSampleId :
PB169223BS



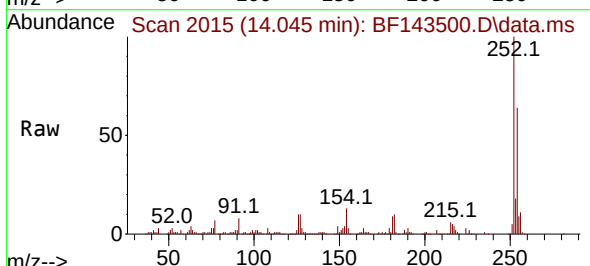
Tgt Ion:228 Resp: 634750
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.7 15.7 23.5

Manual Integrations
APPROVED

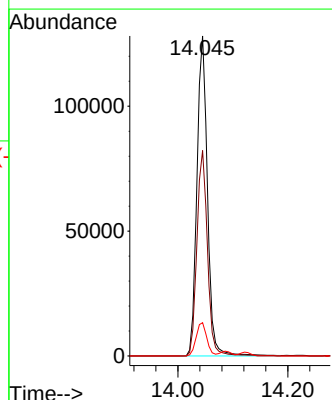
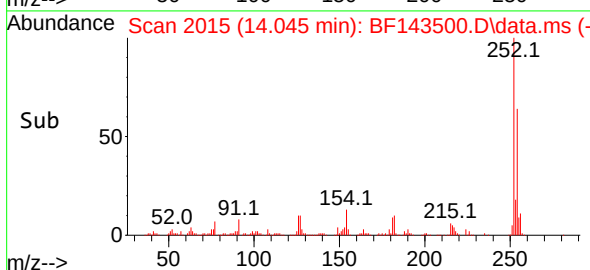
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

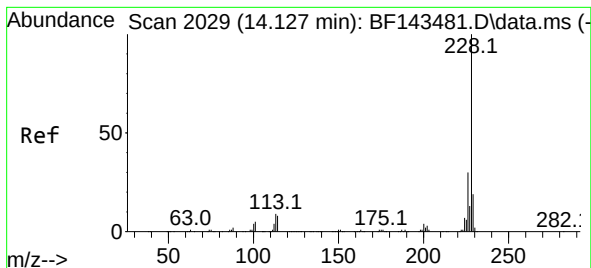


#82
3,3'-Dichlorobenzidine
Concen: 40.545 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:252 Resp: 170528
Ion Ratio Lower Upper
252 100
254 64.2 52.6 79.0
126 10.4 8.7 13.1





#83

Chrysene

Concen: 45.126 ng

RT: 14.121 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF143500.D

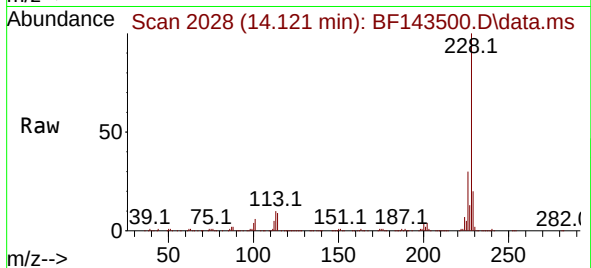
Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

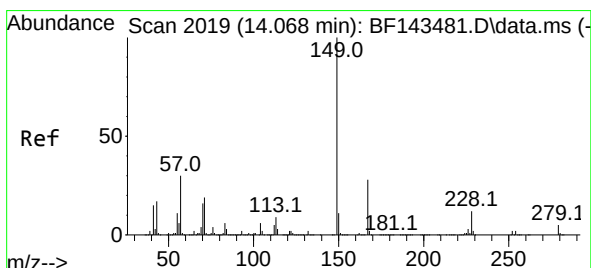
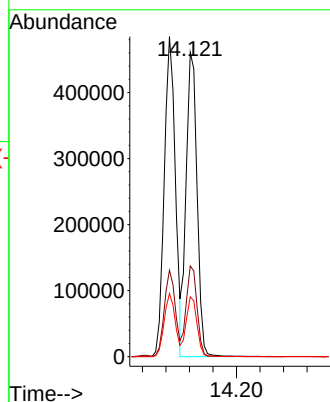
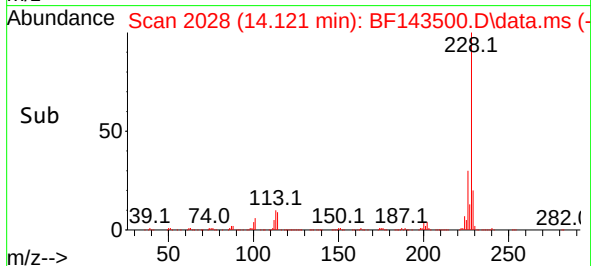


Tgt Ion:	228	Resp:	59558
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.7	35.5
229	19.6	15.7	23.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.966 ng

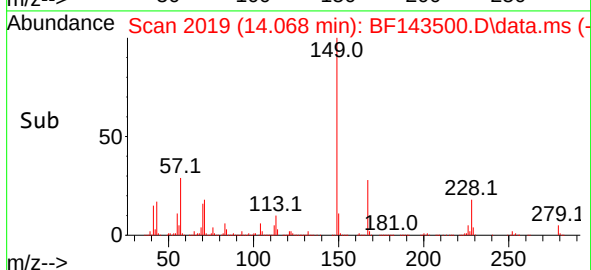
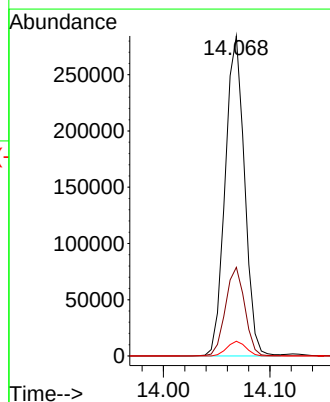
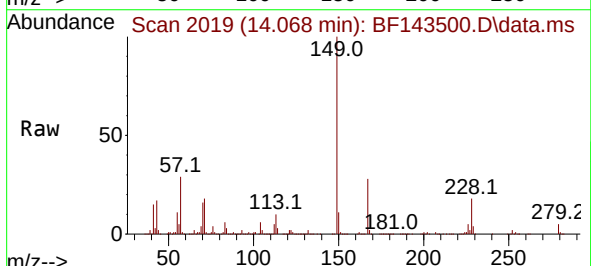
RT: 14.068 min Scan# 2019

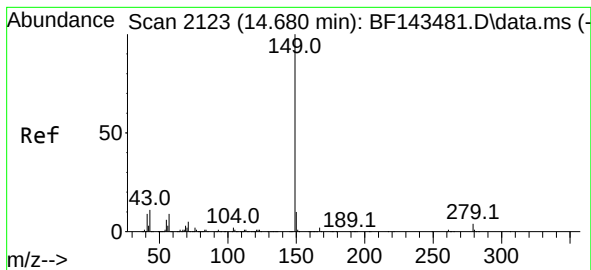
Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

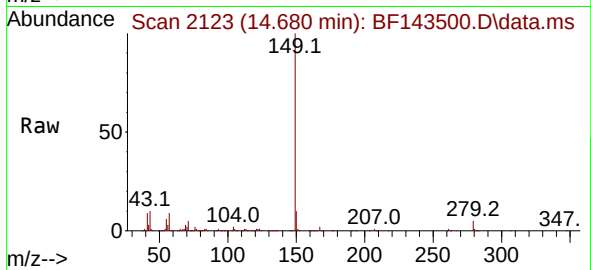
Tgt Ion:	149	Resp:	358873
Ion Ratio	Lower	Upper	
149	100		
167	27.7	22.2	33.2
279	4.6	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 45.724 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

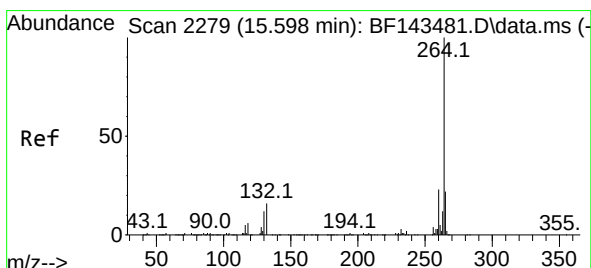
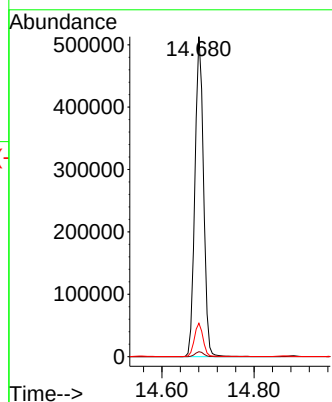
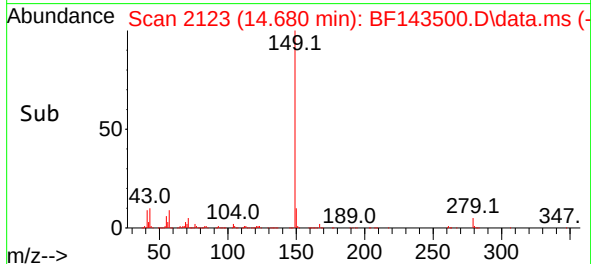
Instrument :
BNA_F
ClientSampleId :
PB169223BS



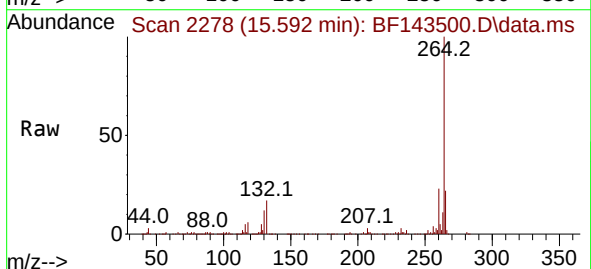
Tgt Ion:149 Resp: 66132
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.6 8.5 12.7

Manual Integrations
APPROVED

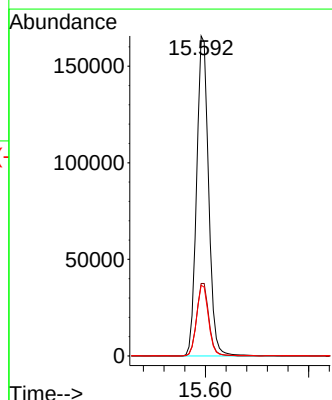
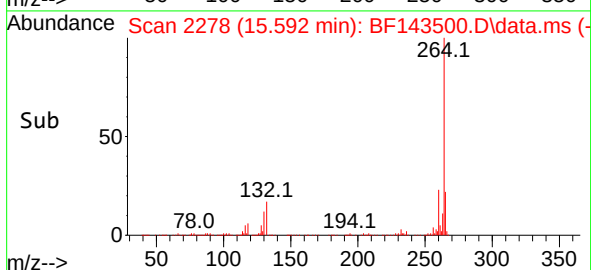
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

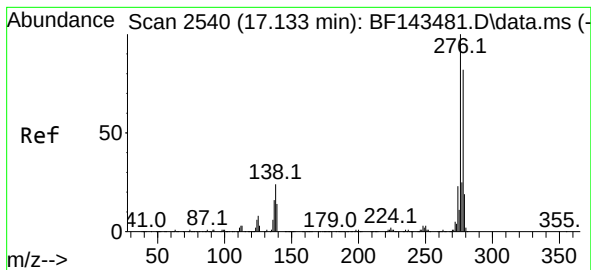


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:264 Resp: 266176
Ion Ratio Lower Upper
264 100
260 22.6 18.7 28.1
265 22.1 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.466 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

Tgt Ion:276 Resp: 888760

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

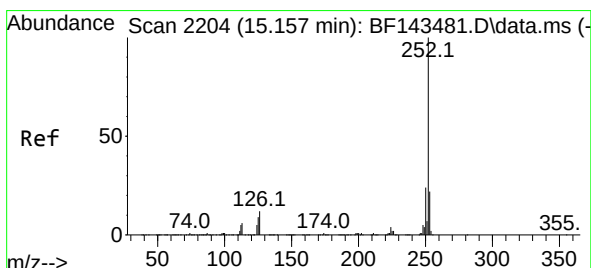
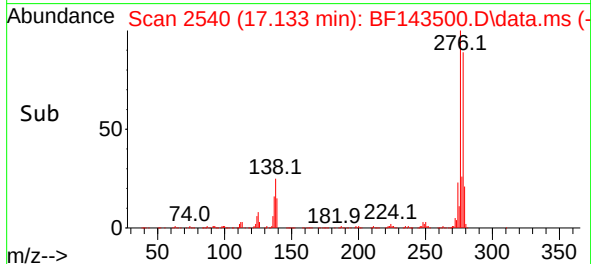
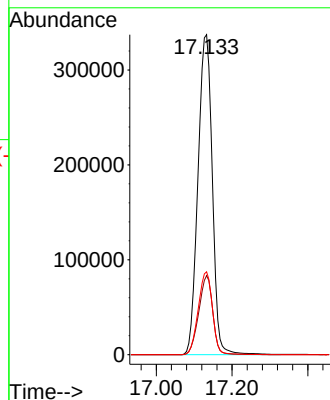
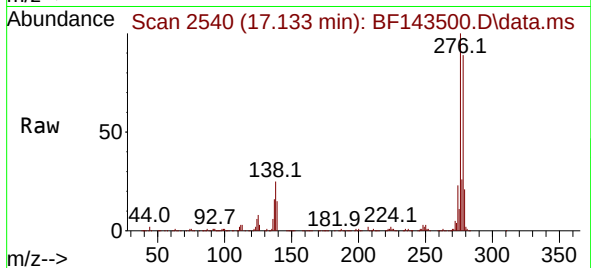
277 25.7 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#88

Benzo(b)fluoranthene

Concen: 44.611 ng

RT: 15.157 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

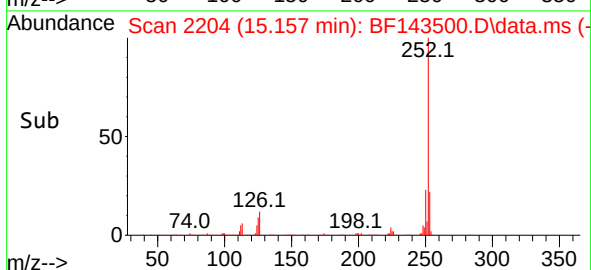
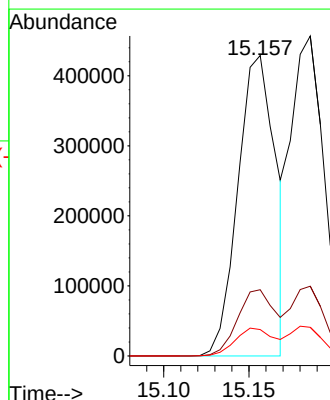
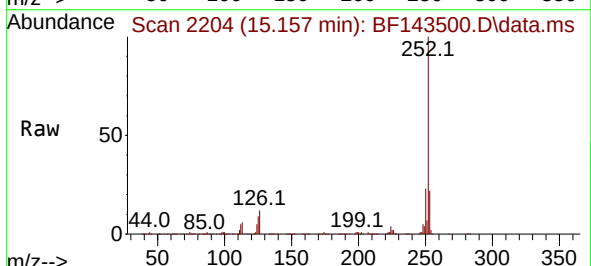
Tgt Ion:252 Resp: 660057

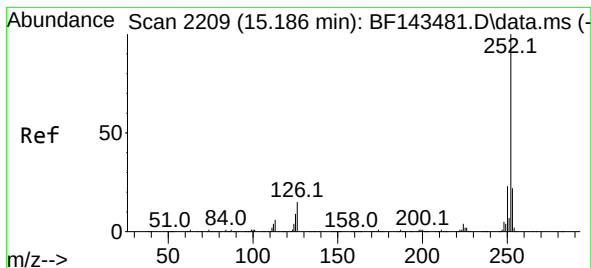
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 8.8 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 44.065 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143500.D

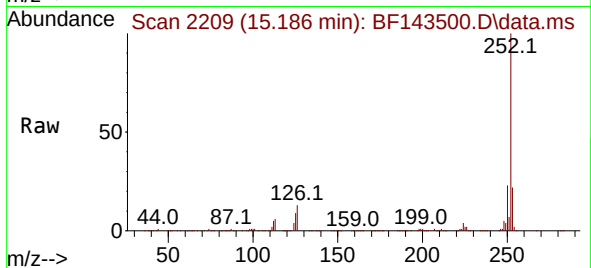
Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS



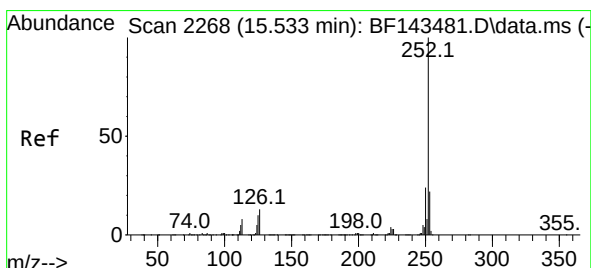
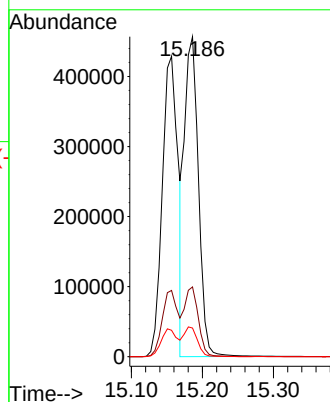
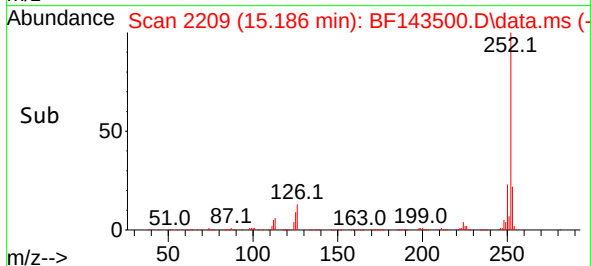
Tgt Ion:	252	Resp:	624234
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.4	26.2
125	9.0	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#90

Benzo(a)pyrene

Concen: 46.858 ng

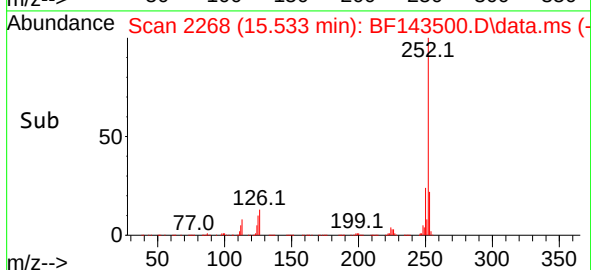
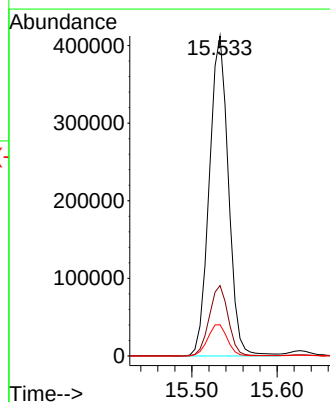
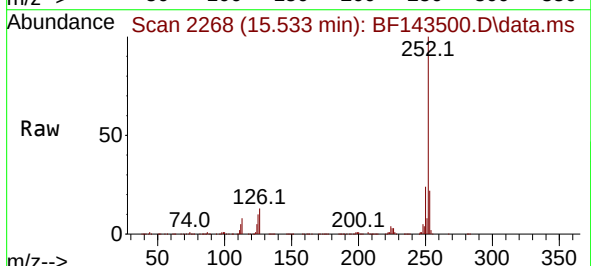
RT: 15.533 min Scan# 2268

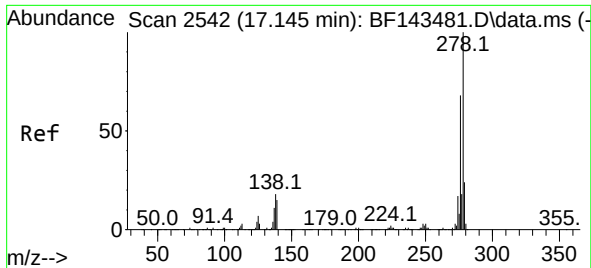
Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Tgt Ion:	252	Resp:	643530
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.0
125	9.8	8.2	12.2





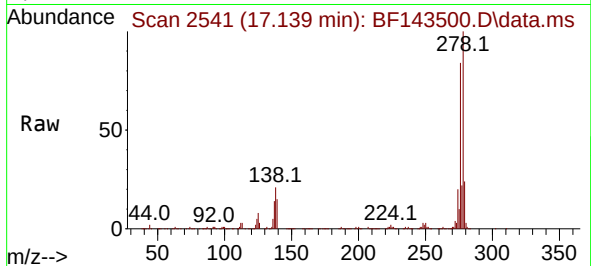
#91
Dibenzo(a,h)anthracene
Concen: 47.620 ng
RT: 17.139 min Scan# 2541
Delta R.T. -0.018 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS



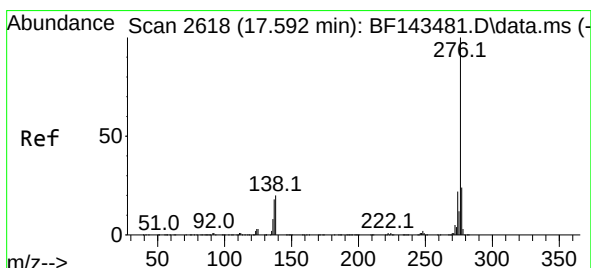
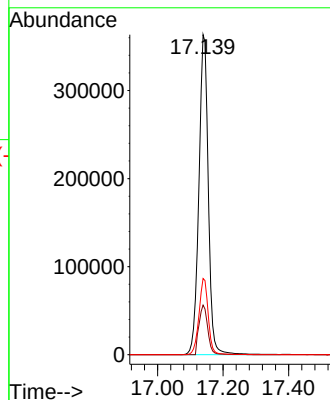
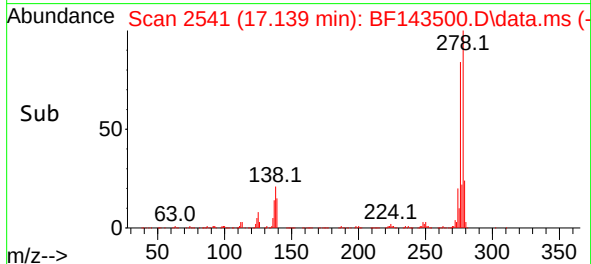
Tgt Ion:278 Resp: 729480
Ion Ratio Lower Upper
278 100
139 15.5 12.1 18.1
279 23.8 19.2 28.8

Manual Integrations

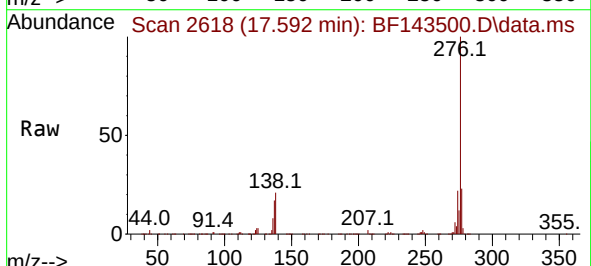
APPROVED

Reviewed By :Rahul Chavli 08/21/2025

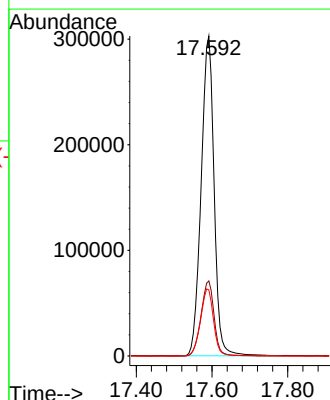
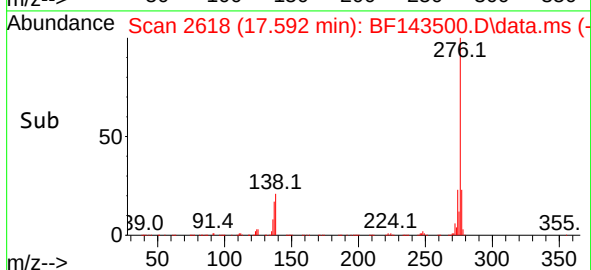
Supervised By :Jagrut Upadhyay 08/21/2025



#92
Benzo(g,h,i)perylene
Concen: 47.146 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:276 Resp: 718142
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 20.6 16.3 24.5



Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BSD	SDG No.:	Q2814
Lab Sample ID:	PB169223BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143501.D	1	08/12/25 09:55	08/20/25 23:32	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	28.3		3.90	8.00	10.0	ug/L
108-95-2	Phenol	45.0		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.3		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	46.3		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	47.5		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47.6		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	47.2		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.7		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.6		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	46.4		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	46.4		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	47.3		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	48.0		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	48.6		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.3		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	45.3		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	45.1		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	25.3		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.1		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	53.5		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	46.4		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.0		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	46.5		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.3		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	46.2		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.6		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	48.7		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	48.4		0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BSD	SDG No.:	Q2814
Lab Sample ID:	PB169223BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143501.D	1	08/12/25 09:55	08/20/25 23:32	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	51.0		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	51.6		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	33.5		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	49.0		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	83.3	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	98.5	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	45.8		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.3		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	49.8		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.2		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	45.8		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	48.1		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.3		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	48.1		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	47.1		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	47.0		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	52.7		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	98.0	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	46.5		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	47.3		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	47.0		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	52.4		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	45.6		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	48.6		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	51.4		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	31.5		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.4		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	48.2		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.2		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.6		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.1		0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169223BSD	SDG No.:	Q2814
Lab Sample ID:	PB169223BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143501.D	1	08/12/25 09:55	08/20/25 23:32	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.9		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	51.8		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.4		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.7		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	52.0		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.9		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	38.6		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.1		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127		19 - 119		85%	SPK: 150
13127-88-3	Phenol-d6	127		10 - 130		85%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.3		44 - 120		91%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.9		44 - 119		88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		43 - 140		89%	SPK: 150
1718-51-0	Terphenyl-d14	96.1		50 - 134		96%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.928				
1146-65-2	Naphthalene-d8	466000	8.21				
15067-26-2	Acenaphthene-d10	253000	9.969				
1517-22-2	Phenanthrene-d10	388000	11.451				
1719-03-5	Chrysene-d12	209000	14.098				
1520-96-3	Perylene-d12	233000	15.592				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143501.D
 Acq On : 20 Aug 2025 23:32
 Operator : RC/JU
 Sample : PB169223BSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD

Quant Time: Aug 21 06:45:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	120429	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	465856	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	252664	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	388075	20.000	ng	0.00
76) Chrysene-d12	14.098	240	209415	20.000	ng	0.00
86) Perylene-d12	15.592	264	232706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	874783	126.839	ng	0.01
7) Phenol-d6	6.563	99	1084783	127.416	ng	-0.01
23) Nitrobenzene-d5	7.487	82	728662	91.275	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	313012	133.087	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1343491	87.878	ng	0.00
79) Terphenyl-d14	13.033	244	1153127	96.089	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.846	88	123360	38.611	ng	98
3) Pyridine	3.605	79	337730	39.688	ng	98
4) n-Nitrosodimethylamine	3.546	42	188955	49.395	ng	95
6) Aniline	6.593	93	413568	36.342	ng	97
8) 2-Chlorophenol	6.716	128	352532	46.278	ng	99
9) Benzaldehyde	6.475	77	195366	28.343	ng	96
10) Phenol	6.581	94	441061	44.970	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	339210	46.282	ng	99
12) 1,3-Dichlorobenzene	6.869	146	401016	46.853	ng	100
13) 1,4-Dichlorobenzene	6.946	146	403693	47.020	ng	99
14) 1,2-Dichlorobenzene	7.098	146	380734	46.838	ng	99
15) Benzyl Alcohol	7.069	79	305955	47.999	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	557883	47.578	ng	100
17) 2-Methylphenol	7.181	107	290520	47.518	ng	96
18) Hexachloroethane	7.440	117	135315	46.355	ng	97
19) n-Nitroso-di-n-propyla...	7.340	70	247579	47.577	ng	100
20) 3+4-Methylphenols	7.334	107	340476	46.650	ng	99
22) Acetophenone	7.334	105	474812	47.177	ng	99
24) Nitrobenzene	7.504	77	381475	46.428	ng	99
25) Isophorone	7.745	82	692618	47.330	ng	99
26) 2-Nitrophenol	7.822	139	193155	47.991	ng	97
27) 2,4-Dimethylphenol	7.863	122	304721	48.568	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	416616	46.325	ng	99
29) 2,4-Dichlorophenol	8.069	162	303555	45.302	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	327949	47.602	ng	100
31) Naphthalene	8.234	128	1009614	45.141	ng	100
32) Benzoic acid	7.993	122	155257	44.087	ng	98
33) 4-Chloroaniline	8.275	127	200975	25.318	ng	99
34) Hexachlorobutadiene	8.351	225	206996	46.053	ng	99
35) Caprolactam	8.645	113	86016m	53.495	ng	
36) 4-Chloro-3-methylphenol	8.763	107	311458	46.382	ng	98
37) 2-Methylnaphthalene	8.922	142	612085	40.976	ng	100
38) 1-Methylnaphthalene	9.022	142	627504	43.916	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	324443	44.892	ng	99
41) Hexachlorocyclopentadiene	9.081	237	322174	111.931	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	206865	46.517	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143501.D
 Acq On : 20 Aug 2025 23:32
 Operator : RC/JU
 Sample : PB169223BSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD

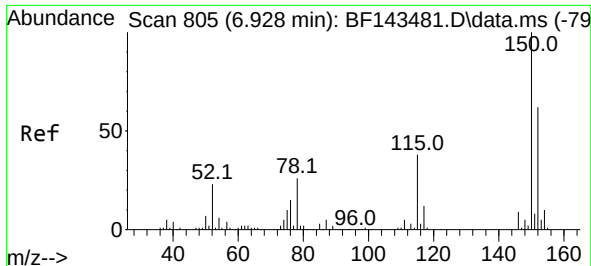
Quant Time: Aug 21 06:45:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

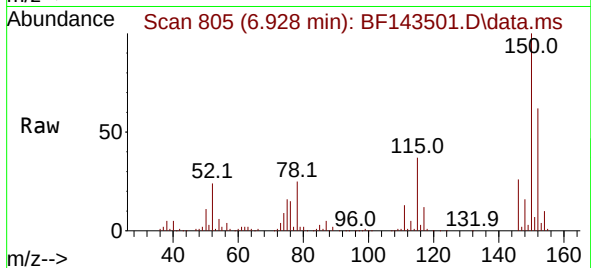
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	220012	45.292	ng	99
46) 1,1'-Biphenyl	9.387	154	828011	46.171	ng	99
47) 2-Chloronaphthalene	9.410	162	641503	45.590	ng	99
48) 2-Nitroaniline	9.504	65	200435	48.672	ng	100
49) Acenaphthylene	9.828	152	1026638	50.955	ng	100
50) Dimethylphthalate	9.687	163	736986	48.431	ng	100
51) 2,6-Dinitrotoluene	9.745	165	162742	51.601	ng	99
52) Acenaphthene	9.998	154	670314	49.001	ng	99
53) 3-Nitroaniline	9.916	138	114039	33.463	ng	100
54) 2,4-Dinitrophenol	10.028	184	140919	83.316	ng	97
55) Dibenzofuran	10.175	168	893197	45.798	ng	99
56) 4-Nitrophenol	10.086	139	199779	98.523	ng	95
57) 2,4-Dinitrotoluene	10.151	165	215851	51.256	ng	96
58) Fluorene	10.516	166	686867	45.759	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	191525	53.070	ng	98
60) Diethylphthalate	10.381	149	679159	49.780	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	346760	46.191	ng	99
62) 4-Nitroaniline	10.534	138	150552	48.096	ng	96
63) Azobenzene	10.663	77	688349	48.659	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	107871	49.298	ng	96
66) n-Nitrosodiphenylamine	10.622	169	600099	48.050	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	218272	47.139	ng	96
68) Hexachlorobenzene	11.069	284	234745	47.032	ng	99
69) Atrazine	11.145	200	170052	52.748	ng	98
70) Pentachlorophenol	11.263	266	224077	98.027	ng	99
71) Phenanthrene	11.481	178	966905	46.526	ng	100
72) Anthracene	11.533	178	995006	47.262	ng	100
73) Carbazole	11.681	167	810034	46.956	ng	99
74) Di-n-butylphthalate	12.010	149	843046	52.386	ng	100
75) Fluoranthene	12.669	202	850946	45.633	ng	99
77) Benzidine	12.786	184	211509	41.464	ng	99
78) Pyrene	12.898	202	836842	48.580	ng	99
80) Butylbenzylphthalate	13.510	149	241965	51.418	ng	99
81) Benzo(a)anthracene	14.086	228	639057	47.400	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	121546	31.480	ng	98
83) Chrysene	14.122	228	583865	48.189	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	352942	49.243	ng	100
85) Di-n-octyl phthalate	14.680	149	658652	49.606	ng	100
87) Indeno(1,2,3-cd)pyrene	17.127	276	843139	50.420	ng	100
88) Benzo(b)fluoranthene	15.157	252	647733	50.075	ng	99
89) Benzo(k)fluoranthene	15.186	252	617926	49.893	ng	99
90) Benzo(a)pyrene	15.533	252	622315	51.830	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	692517	51.709	ng	99
92) Benzo(g,h,i)perylene	17.592	276	692232	51.981	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

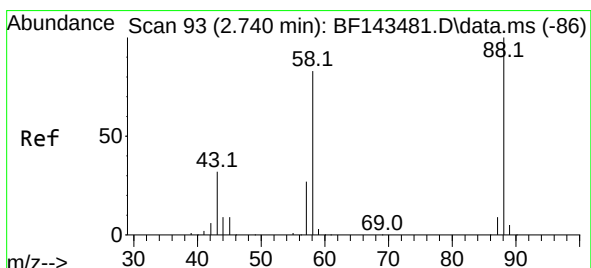
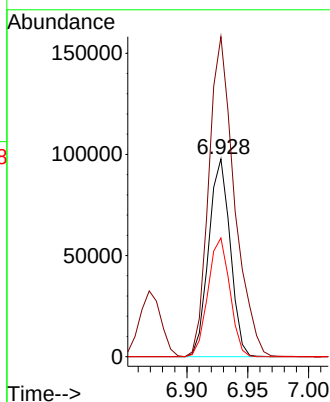
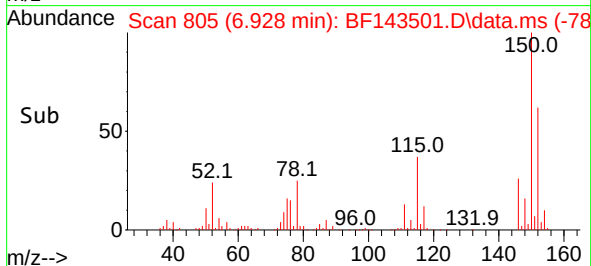
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



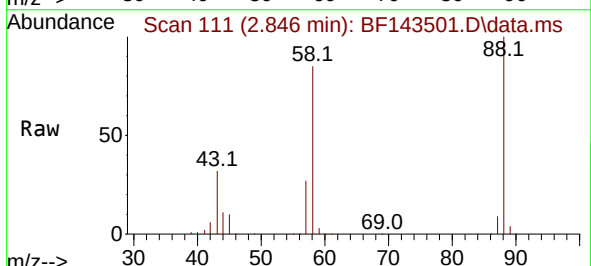
Tgt Ion: 152 Resp: 120429
Ion Ratio Lower Upper
152 100
150 161.8 128.9 193.3
115 60.1 49.2 73.8

Manual Integrations
APPROVED

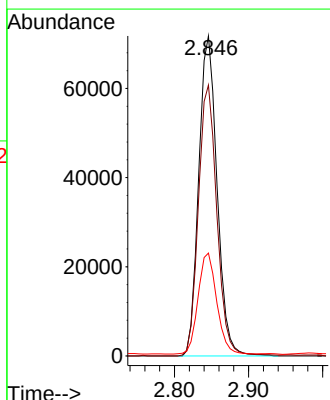
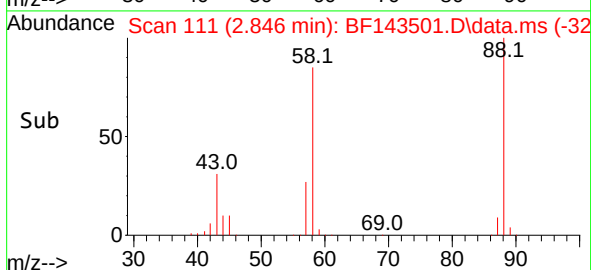
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

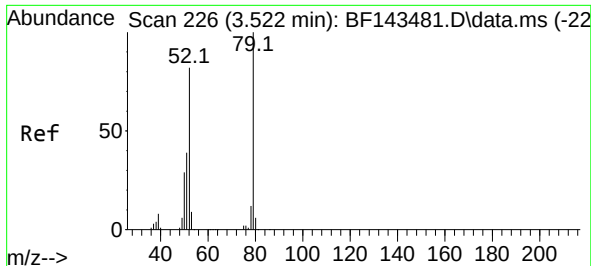


#2
1,4-Dioxane
Concen: 38.611 ng
RT: 2.846 min Scan# 111
Delta R.T. 0.112 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



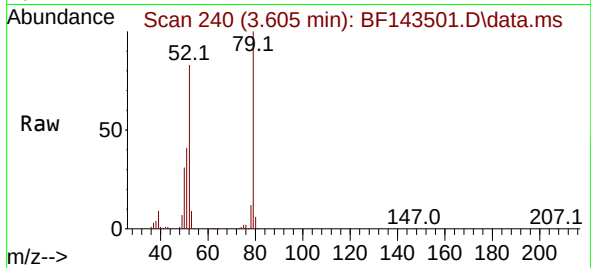
Tgt Ion: 88 Resp: 123360
Ion Ratio Lower Upper
88 100
58 85.4 66.7 100.1
43 32.1 25.8 38.8





#3
Pyridine
Concen: 39.688 ng
RT: 3.605 min Scan# 24
Delta R.T. 0.088 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

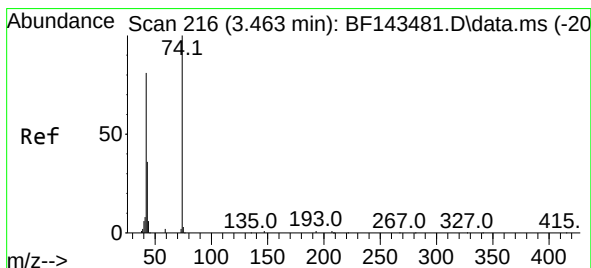
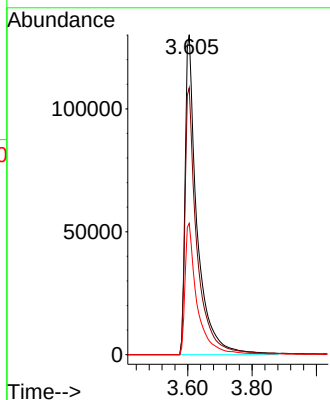
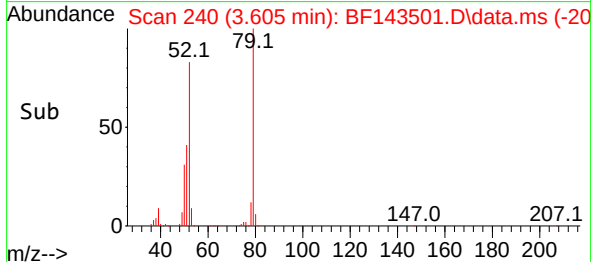
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



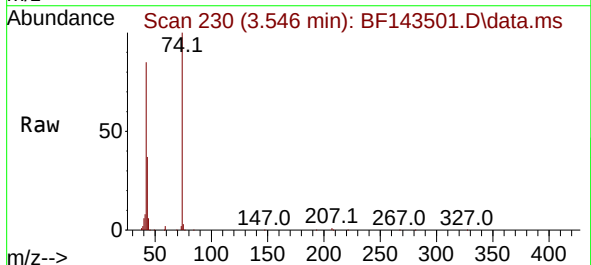
Tgt Ion: 79 Resp: 337730
Ion Ratio Lower Upper
79 100
52 83.4 65.6 98.4
51 41.1 31.2 46.8

Manual Integrations
APPROVED

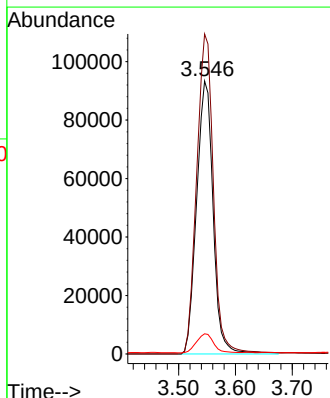
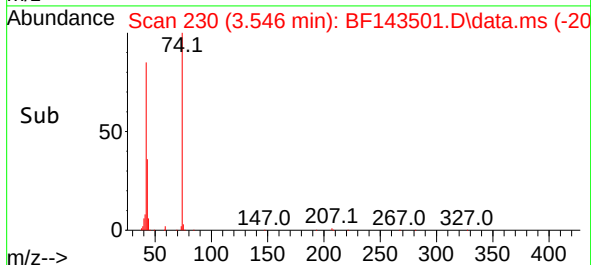
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

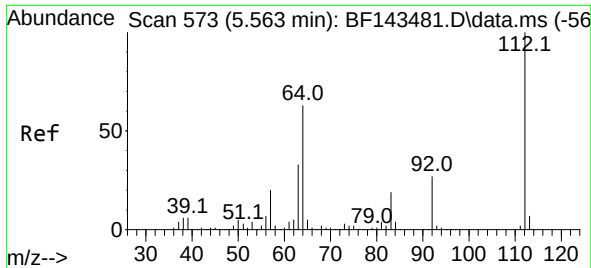


#4
n-Nitrosodimethylamine
Concen: 49.395 ng
RT: 3.546 min Scan# 230
Delta R.T. 0.071 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



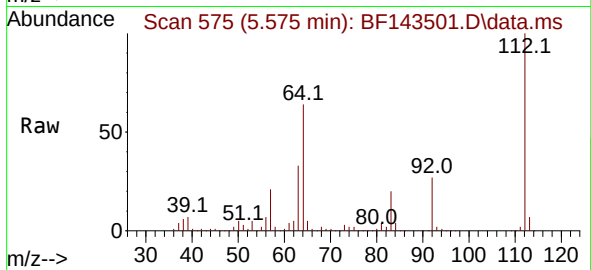
Tgt Ion: 42 Resp: 188955
Ion Ratio Lower Upper
42 100
74 117.2 98.6 148.0
44 7.4 5.8 8.8





#5
2-Fluorophenol
Concen: 126.839 ng
RT: 5.575 min Scan# 512
Delta R.T. 0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

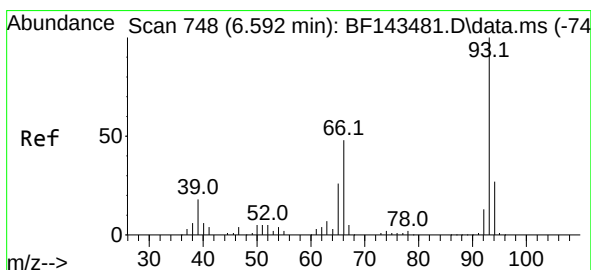
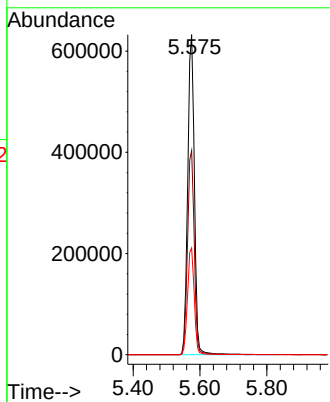
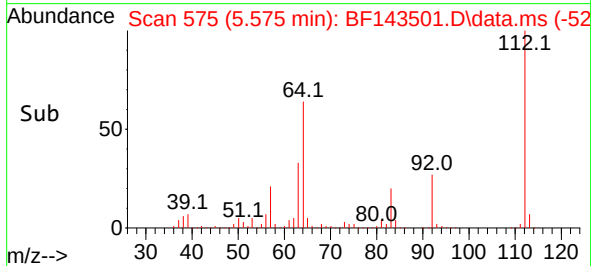
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



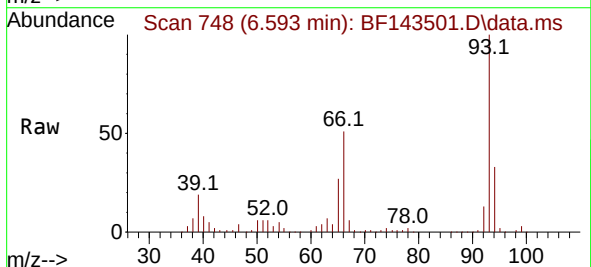
Tgt Ion:112 Resp: 87478
Ion Ratio Lower Upper
112 100
64 63.8 50.4 75.6
63 33.4 26.4 39.6

Manual Integrations
APPROVED

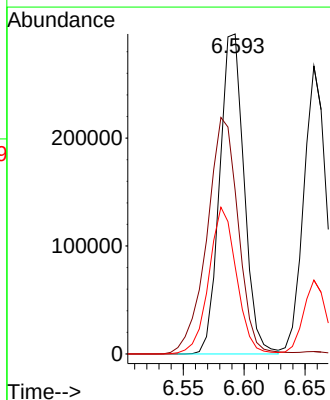
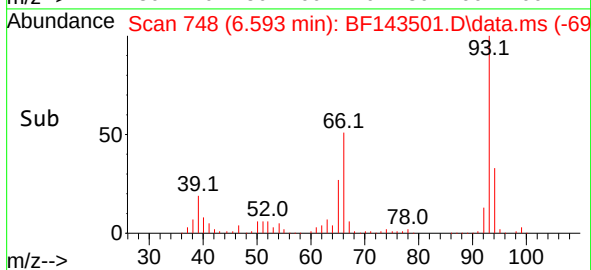
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

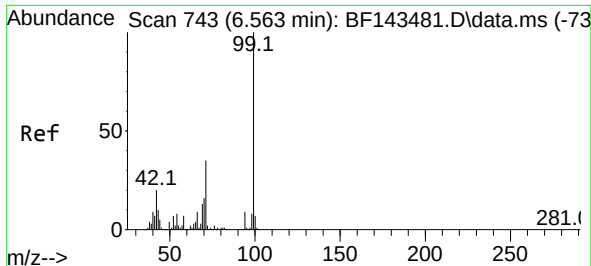


#6
Aniline
Concen: 36.342 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



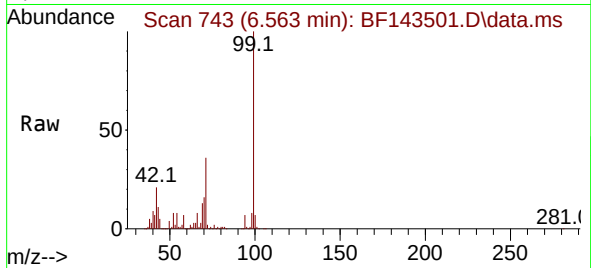
Tgt Ion: 93 Resp: 413568
Ion Ratio Lower Upper
93 100
66 51.0 38.9 58.3
65 27.3 20.6 30.8





#7
Phenol-d6
Concen: 127.416 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

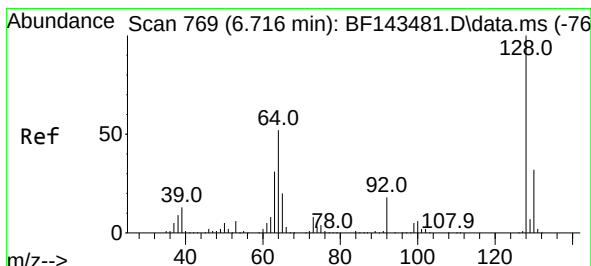
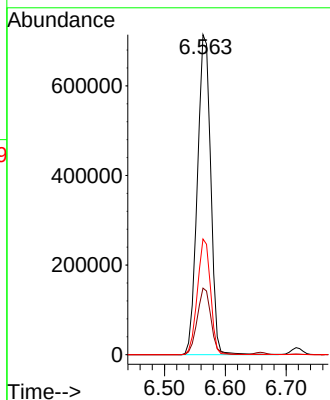
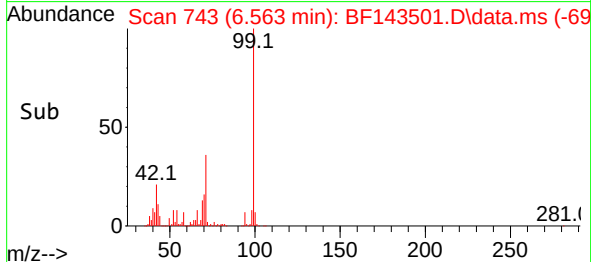
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



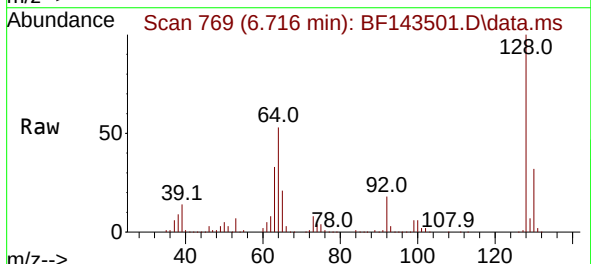
Tgt Ion: 99 Resp: 108478
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 36.1 28.2 42.2

Manual Integrations
APPROVED

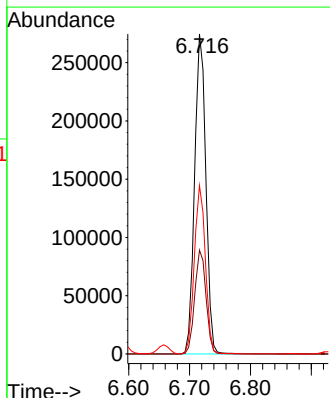
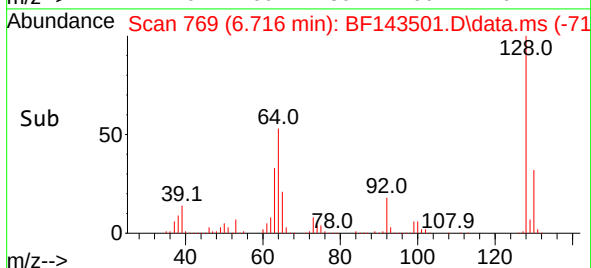
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

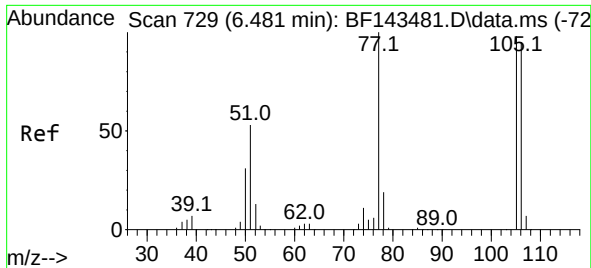


#8
2-Chlorophenol
Concen: 46.278 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



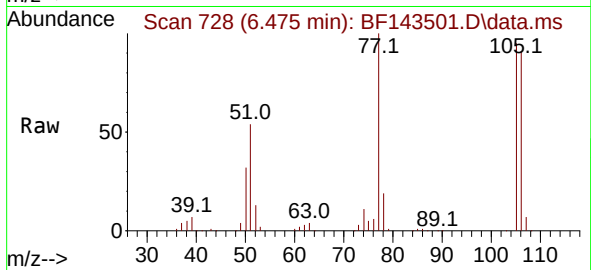
Tgt Ion:128 Resp: 352532
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 52.6 31.6 71.6





#9
Benzaldehyde
Concen: 28.343 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

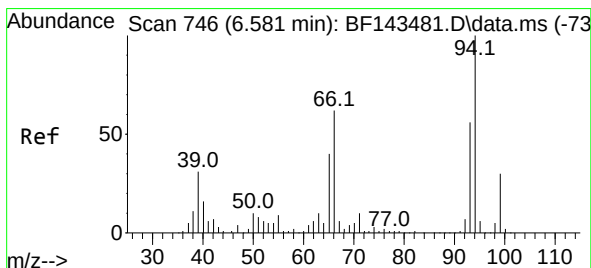
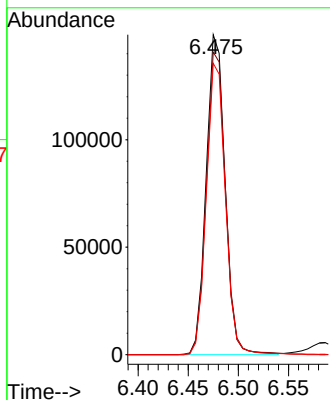
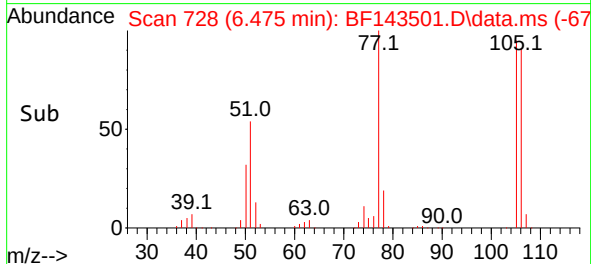
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



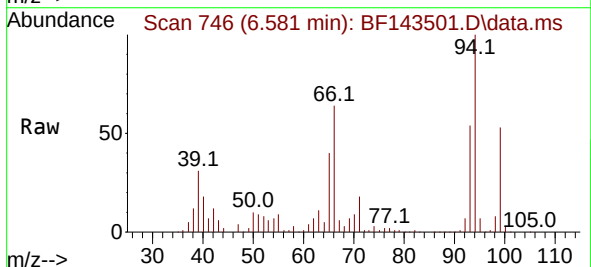
Tgt Ion: 77 Resp: 19536
Ion Ratio Lower Upper
77 100
105 94.5 78.1 118.1
106 91.1 74.9 114.9

Manual Integrations
APPROVED

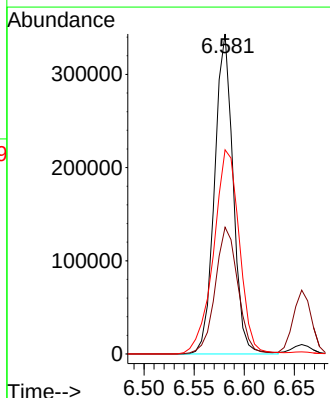
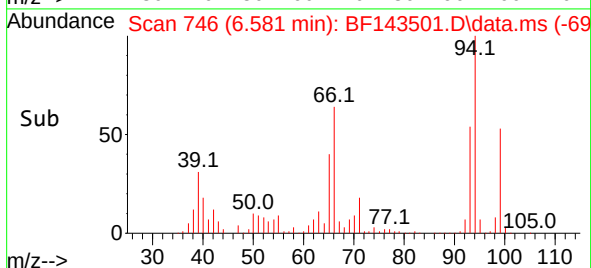
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

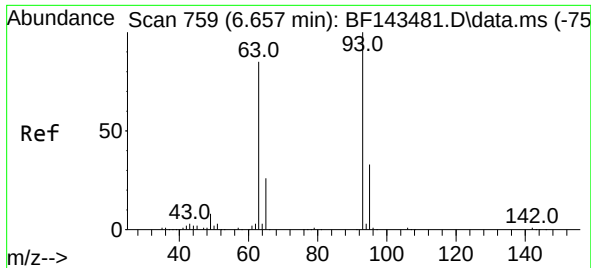


#10
Phenol
Concen: 44.970 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion: 94 Resp: 441061
Ion Ratio Lower Upper
94 100
65 39.6 19.5 59.5
66 63.8 42.5 82.5





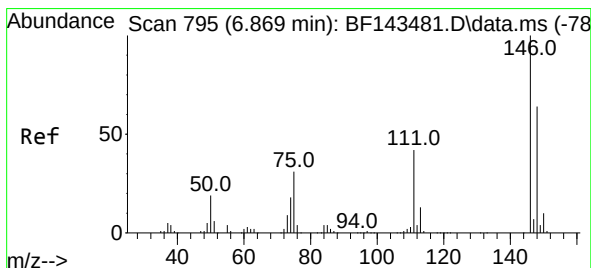
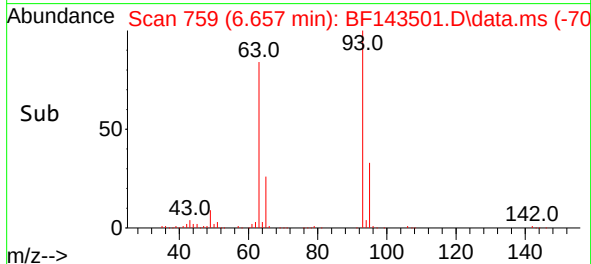
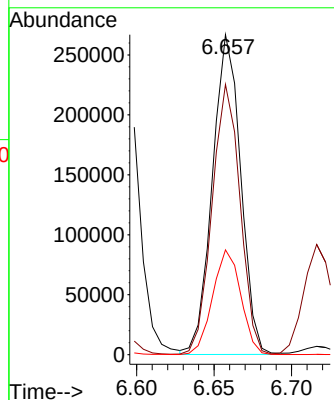
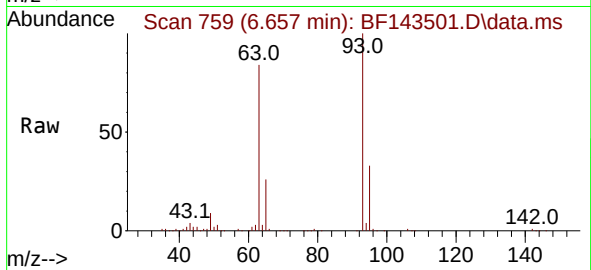
#11
bis(2-Chloroethyl)ether
Concen: 46.282 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

Tgt Ion: 93 Resp: 339210
Ion Ratio Lower Upper
93 100
63 84.4 63.6 103.6
95 32.7 12.8 52.8

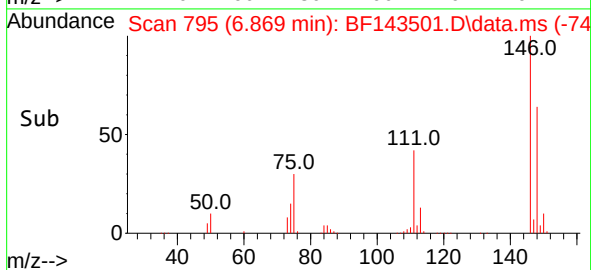
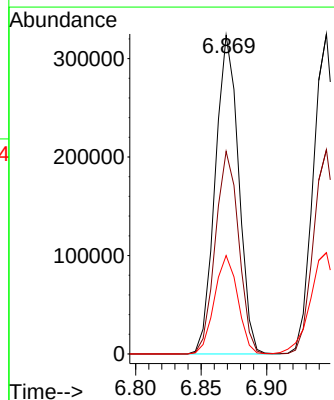
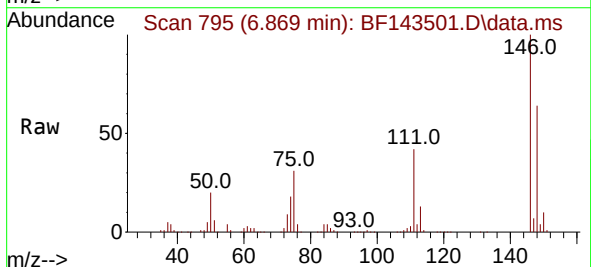
Manual Integrations
APPROVED

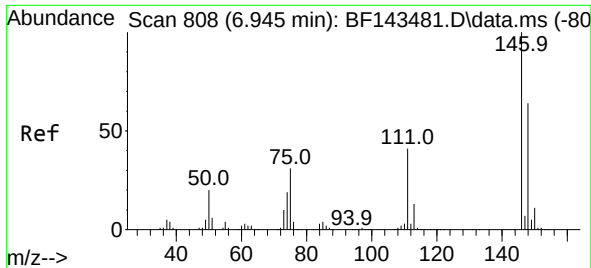
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#12
1,3-Dichlorobenzene
Concen: 46.853 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:146 Resp: 401016
Ion Ratio Lower Upper
146 100
148 63.5 51.3 76.9
75 30.9 24.7 37.1





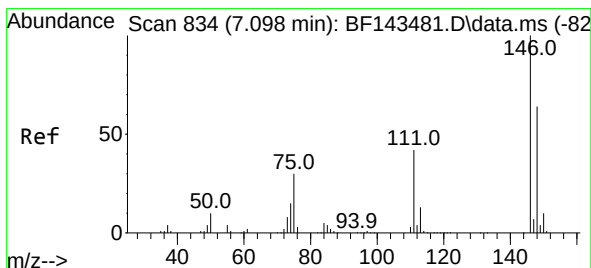
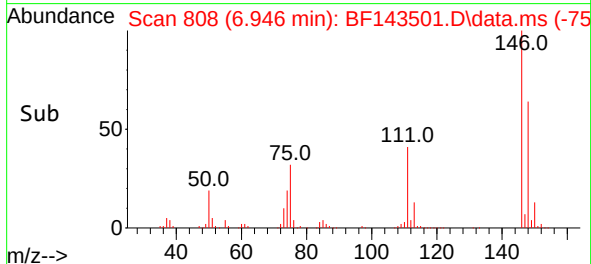
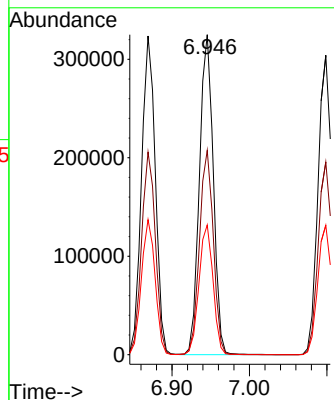
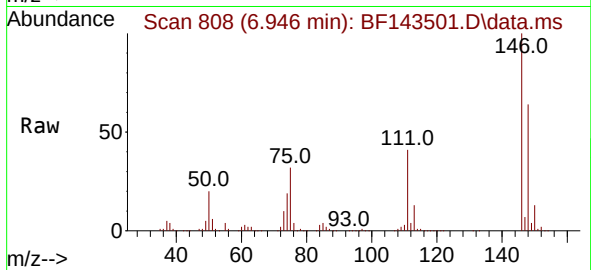
#13
1,4-Dichlorobenzene
Concen: 47.020 ng
RT: 6.946 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

Tgt Ion:146 Resp: 40369
Ion Ratio Lower Upper
146 100
148 63.8 51.5 77.3
111 40.6 32.6 49.0

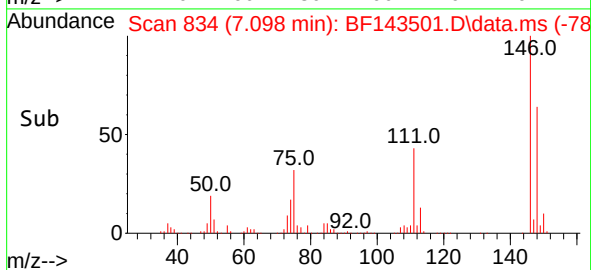
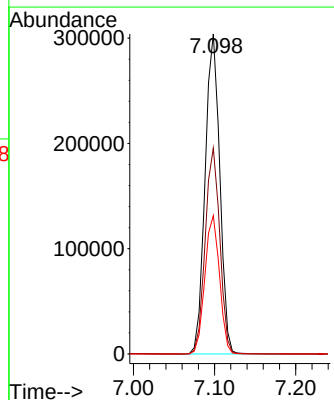
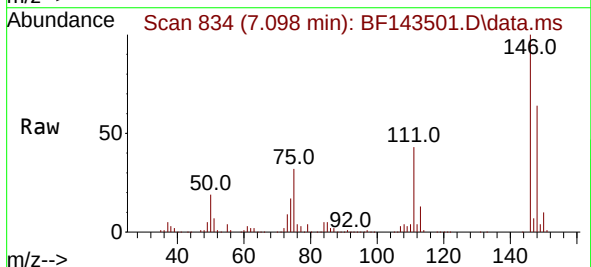
Manual Integrations
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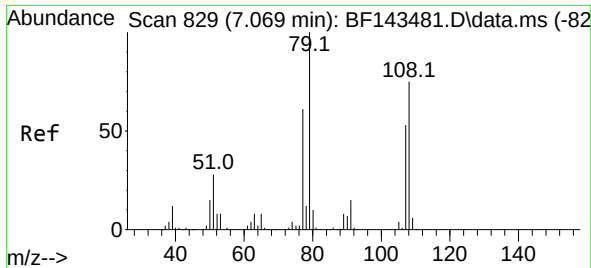
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#14
1,2-Dichlorobenzene
Concen: 46.838 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:146 Resp: 380734
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.6
111 43.2 34.0 51.0





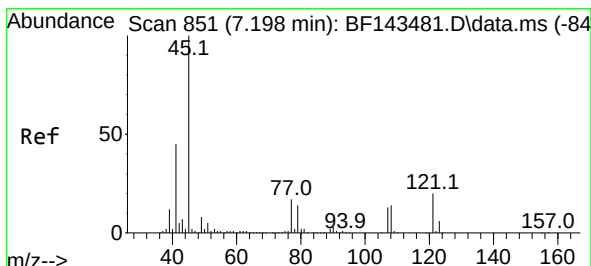
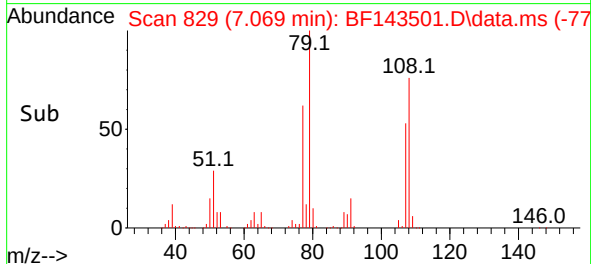
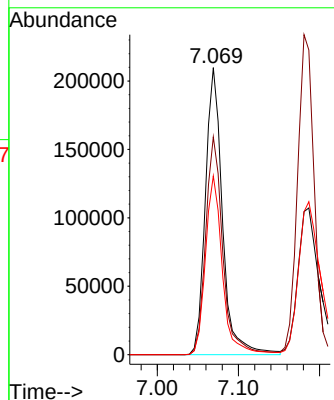
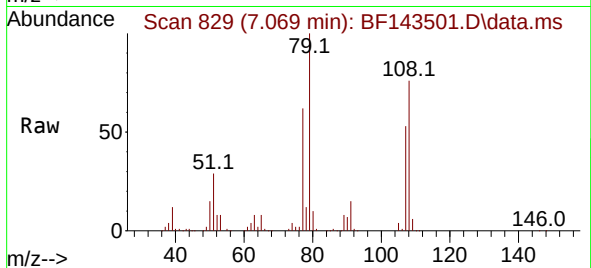
#15
Benzyl Alcohol
Concen: 47.999 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

Tgt Ion: 79 Resp: 30595
Ion Ratio Lower Upper
79 100
108 75.9 59.8 89.6
77 62.3 49.0 73.4

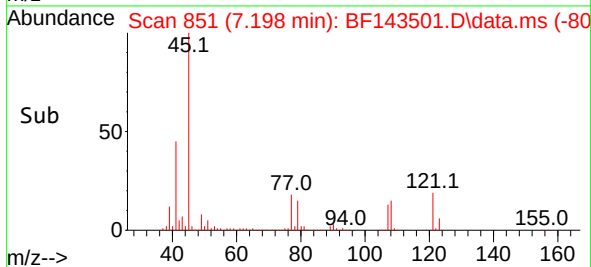
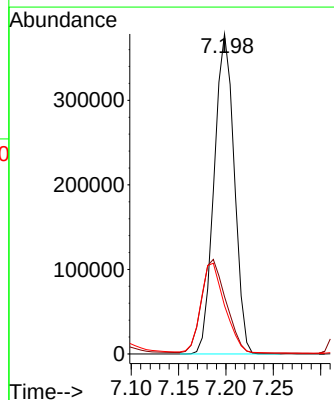
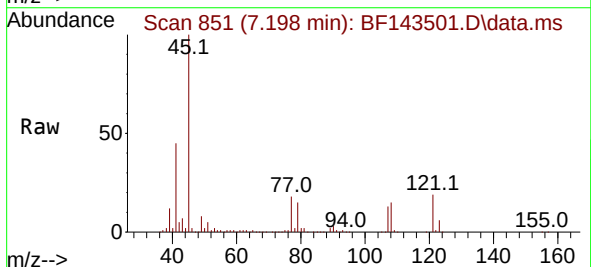
Manual Integrations
APPROVED

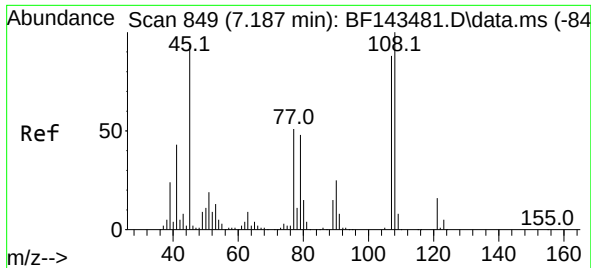
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.578 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

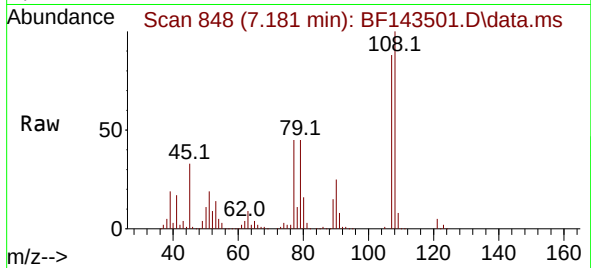
Tgt Ion: 45 Resp: 557883
Ion Ratio Lower Upper
45 100
77 17.9 0.0 37.9
79 15.1 0.0 34.7





#17
2-Methylphenol
Concen: 47.518 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

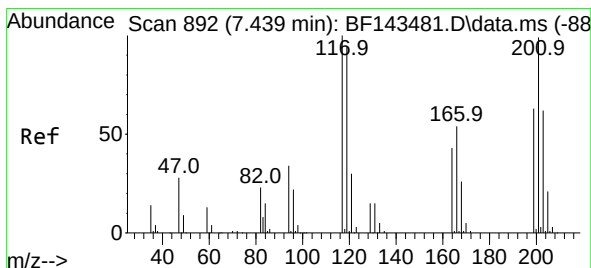
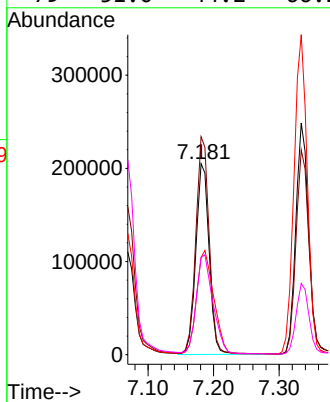
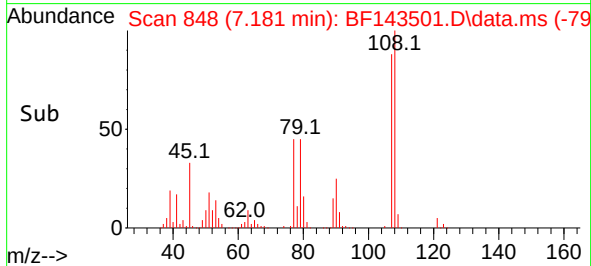
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



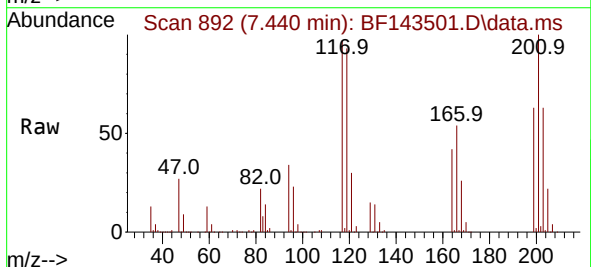
Tgt Ion:107 Resp: 290520
Ion Ratio Lower Upper
107 100
108 114.1 91.1 136.7
77 50.9 46.2 69.4
79 51.0 44.2 66.2

Manual Integrations
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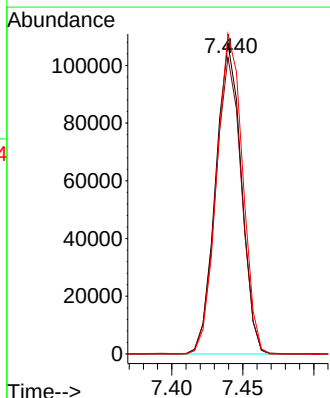
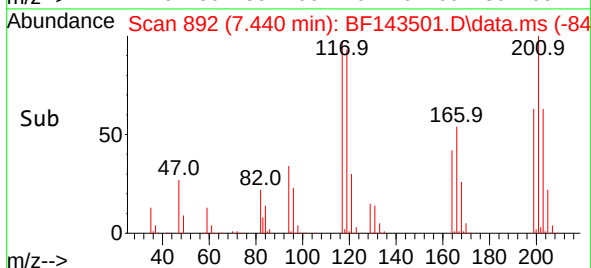
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

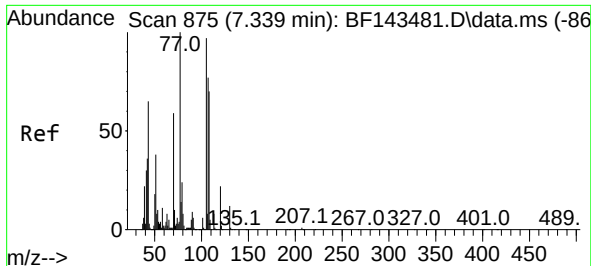


#18
Hexachloroethane
Concen: 46.355 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



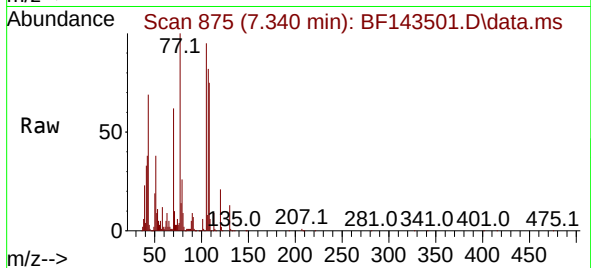
Tgt Ion:117 Resp: 135315
Ion Ratio Lower Upper
117 100
119 95.4 75.4 113.0
201 102.9 79.0 118.4





#19
n-Nitroso-di-n-propylamine
Concen: 47.577 ng
RT: 7.340 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

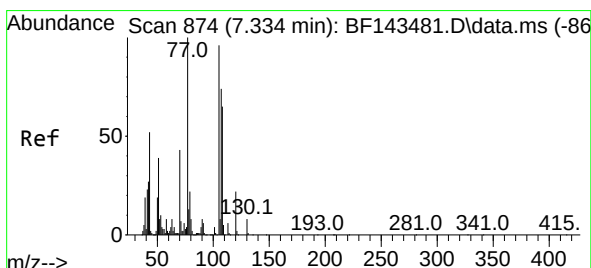
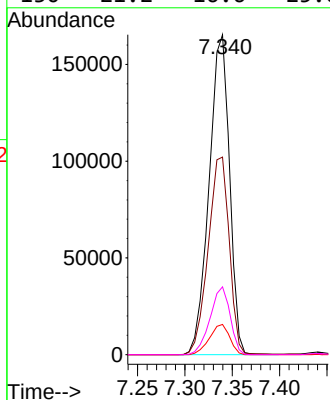
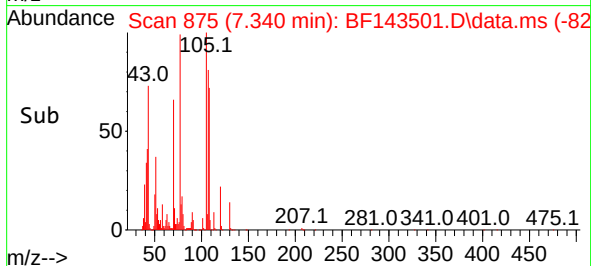
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



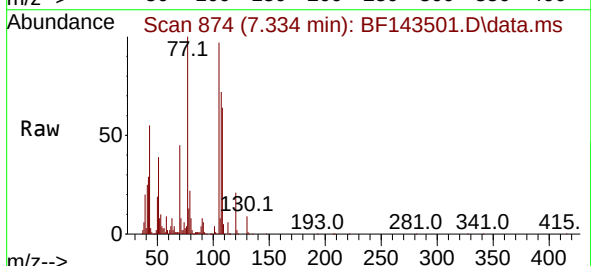
Tgt Ion:	70	Resp:	247579
Ion Ratio	70	100	
Lower	42	61.7	49.3
Upper	101	9.4	7.8
	130	21.2	16.6
			25.0

Manual Integrations
APPROVED

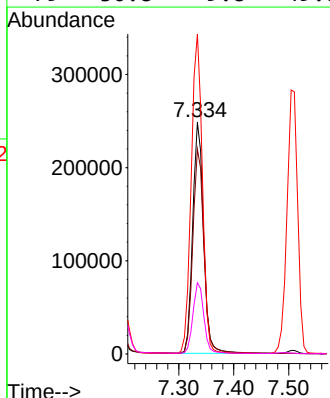
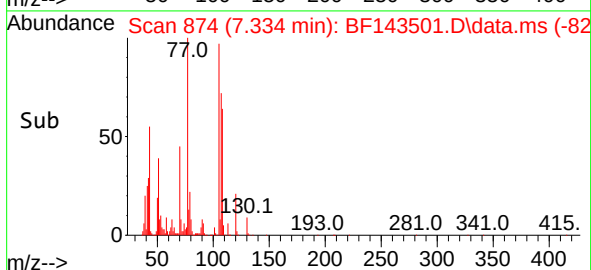
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

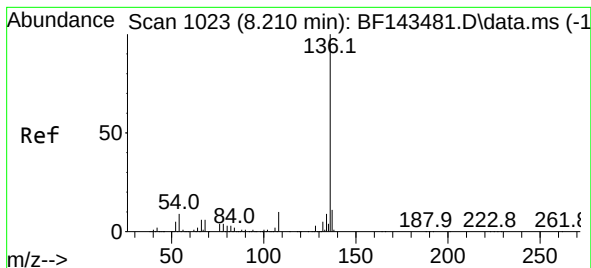


#20
3+4-Methylphenols
Concen: 46.650 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



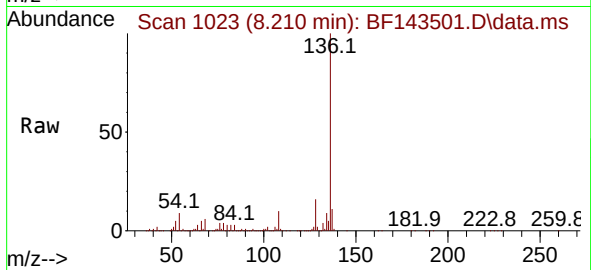
Tgt Ion:	107	Resp:	340476
Ion Ratio	107	100	
Lower	108	88.4	68.4
Upper	77	138.1	116.1
	79	30.8	9.8
			49.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

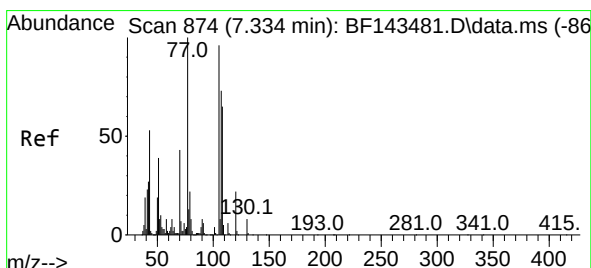
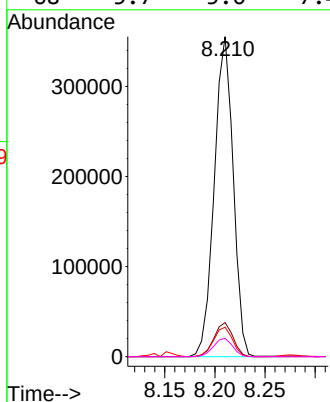
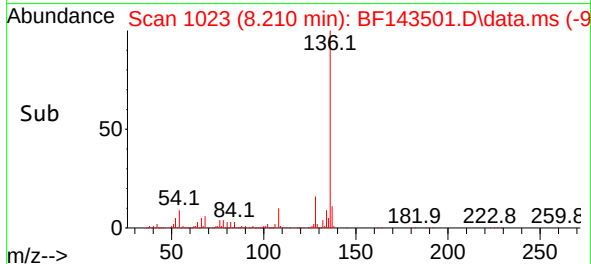
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



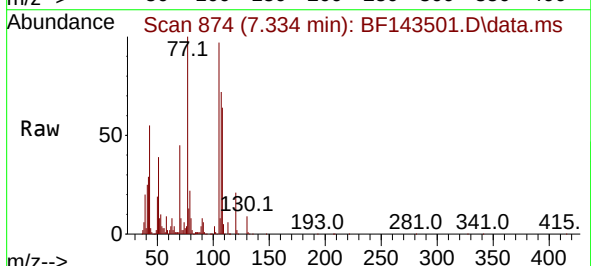
Tgt Ion:136 Resp: 465850
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 9.2 7.4 11.2
68 5.7 5.0 7.4

Manual Integrations
APPROVED

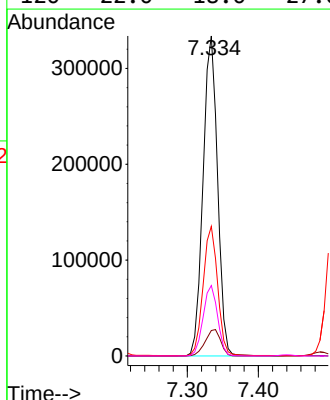
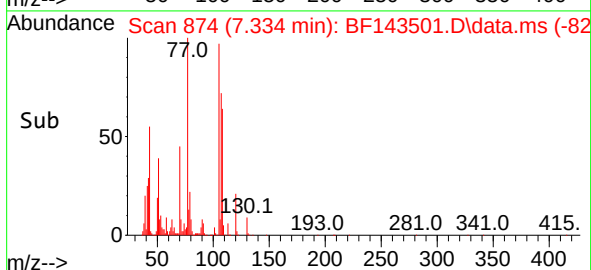
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

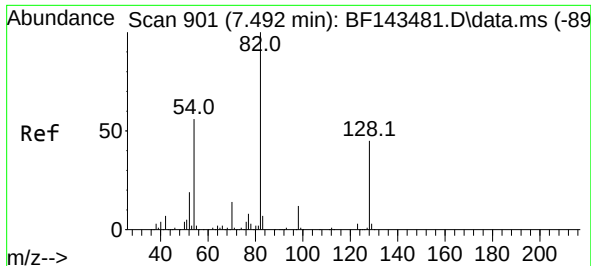


#22
Acetophenone
Concen: 47.177 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:105 Resp: 474812
Ion Ratio Lower Upper
105 100
71 8.0 5.9 8.9
51 40.5 32.5 48.7
120 22.0 18.0 27.0





#23

Nitrobenzene-d5

Concen: 91.275 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

Tgt Ion: 82 Resp: 72866

Ion Ratio Lower Upper

82 100

128 43.6 35.5 53.3

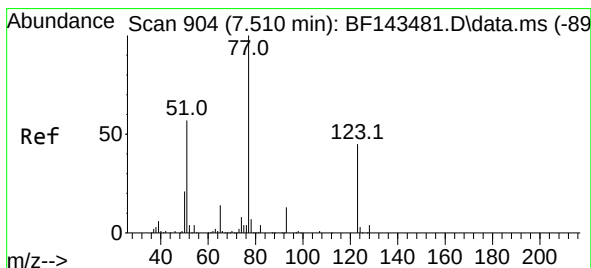
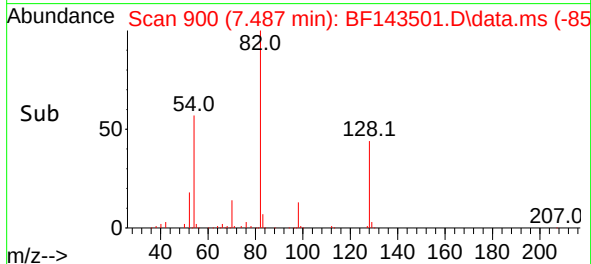
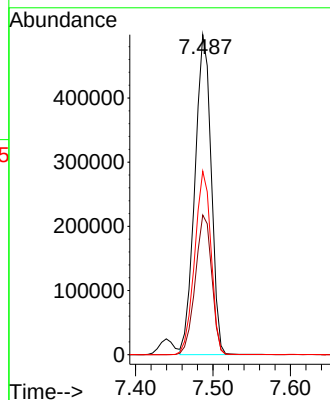
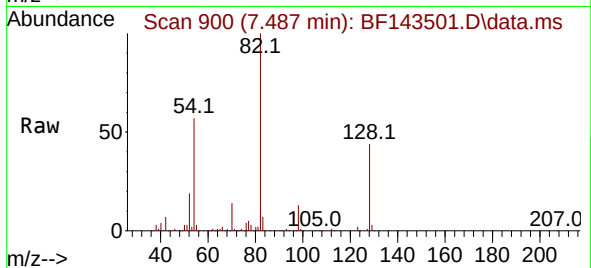
54 57.3 44.3 66.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#24

Nitrobenzene

Concen: 46.428 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

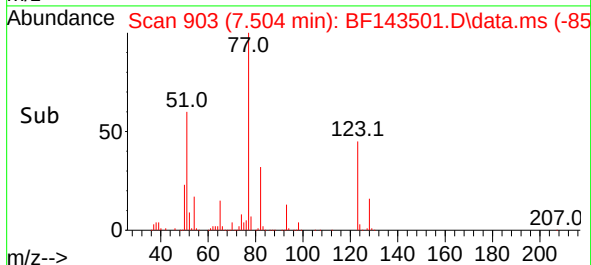
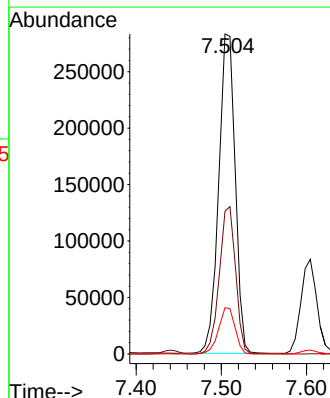
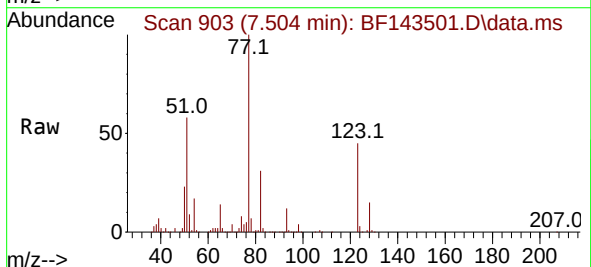
Tgt Ion: 77 Resp: 381475

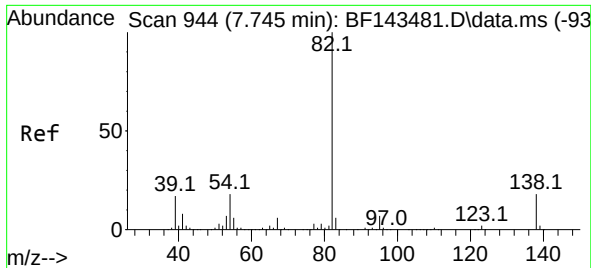
Ion Ratio Lower Upper

77 100

123 44.6 36.1 54.1

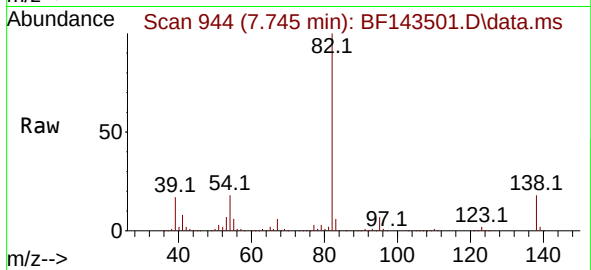
65 14.4 11.0 16.6





#25
Isophorone
Concen: 47.330 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

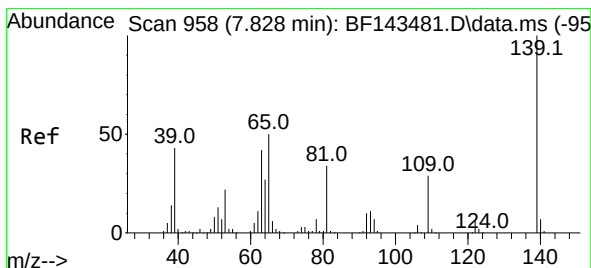
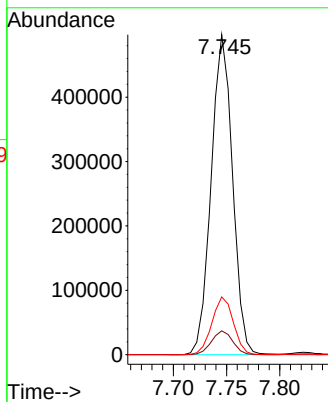
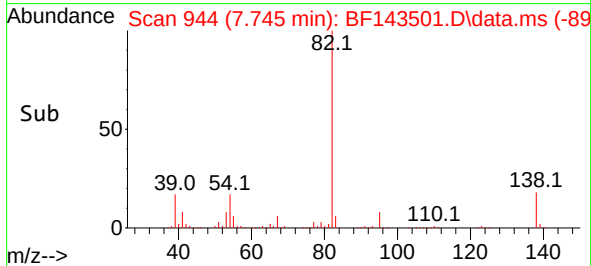
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



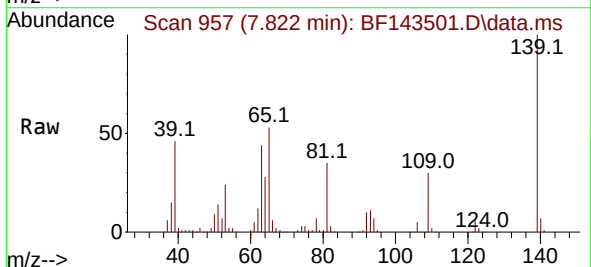
Tgt Ion: 82 Resp: 692618
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.8
138 18.0 14.2 21.4

Manual Integrations
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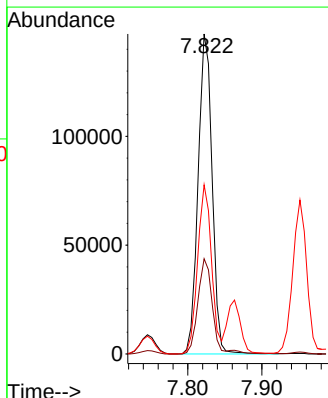
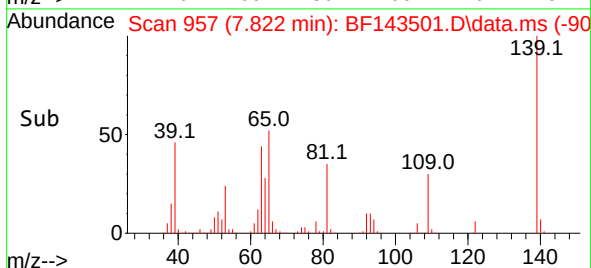
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

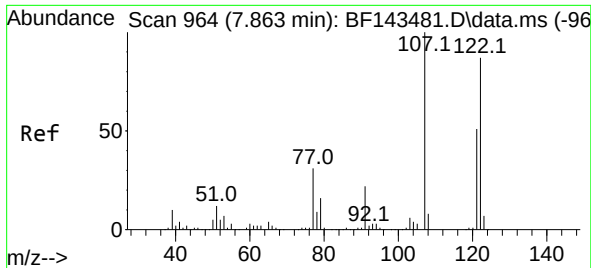


#26
2-Nitrophenol
Concen: 47.991 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



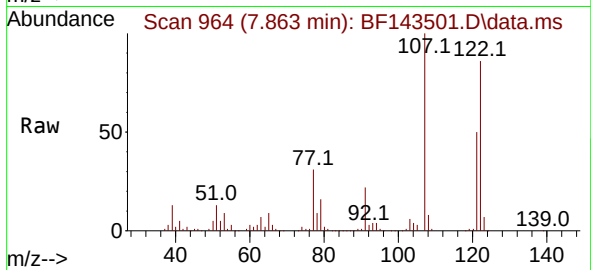
Tgt Ion:139 Resp: 193155
Ion Ratio Lower Upper
139 100
109 29.8 23.0 34.6
65 52.8 40.3 60.5





#27
2,4-Dimethylphenol
Concen: 48.568 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

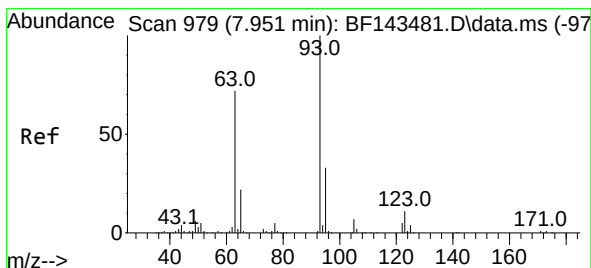
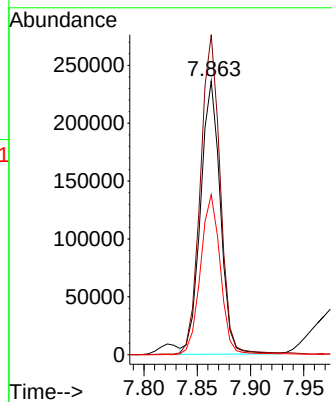
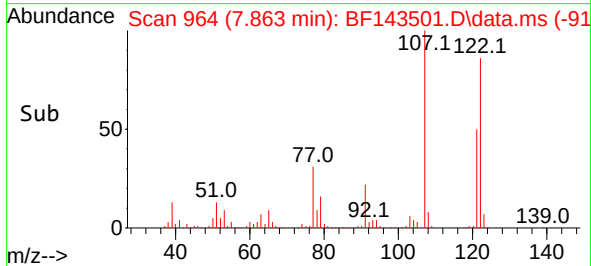
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:122 Resp: 30472
Ion Ratio Lower Upper
122 100
107 116.9 91.5 137.3
121 58.5 47.0 70.4

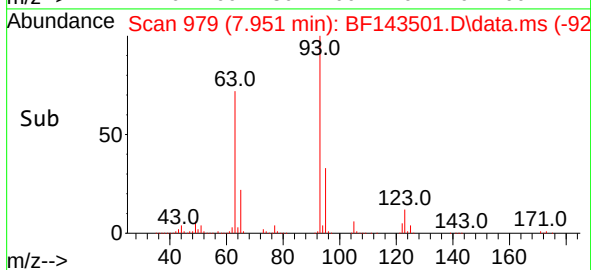
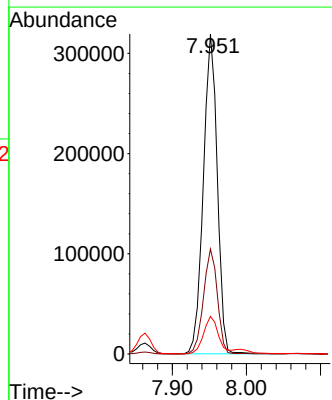
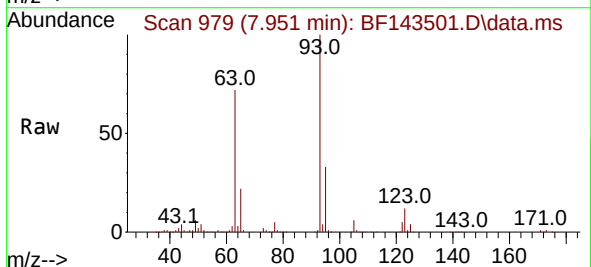
Manual Integrations
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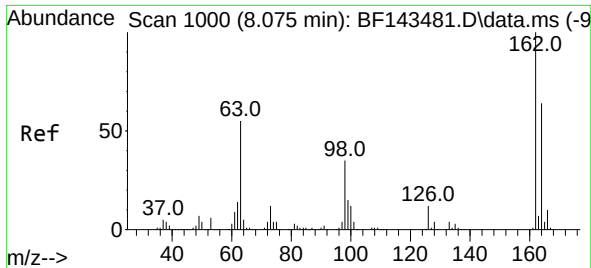
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#28
bis(2-Chloroethoxy)methane
Concen: 46.325 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

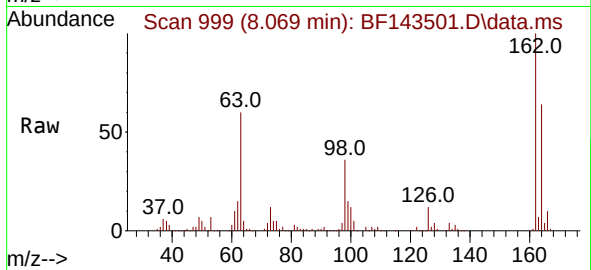
Tgt Ion: 93 Resp: 416616
Ion Ratio Lower Upper
93 100
95 32.8 26.0 39.0
123 11.7 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 45.302 ng
RT: 8.069 min Scan# 999
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

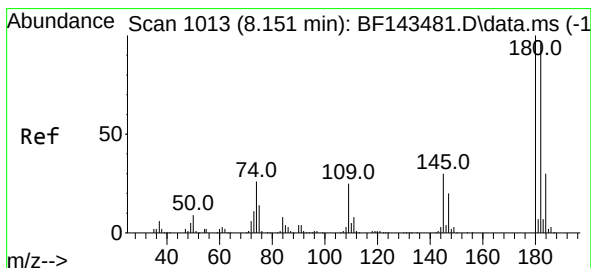
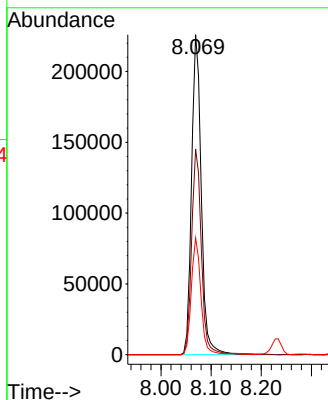
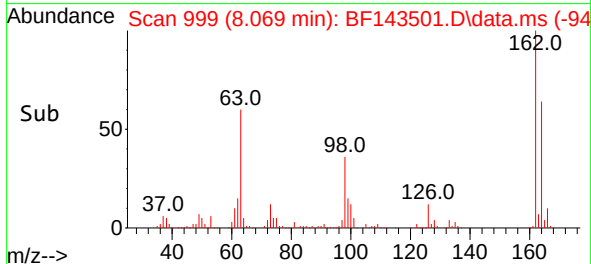
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



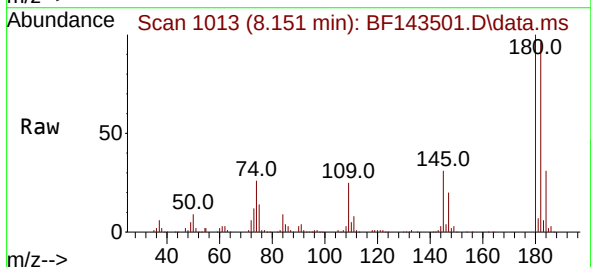
Tgt Ion:162 Resp: 30355
Ion Ratio Lower Upper
162 100
164 64.3 43.5 83.5
98 36.4 15.1 55.1

Manual Integrations
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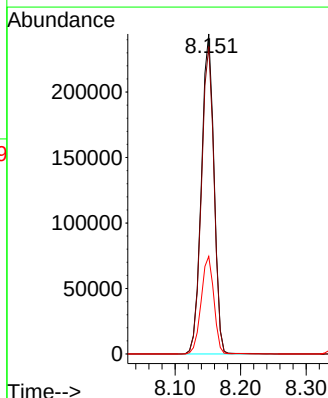
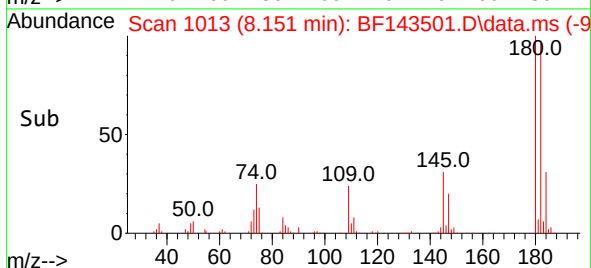
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

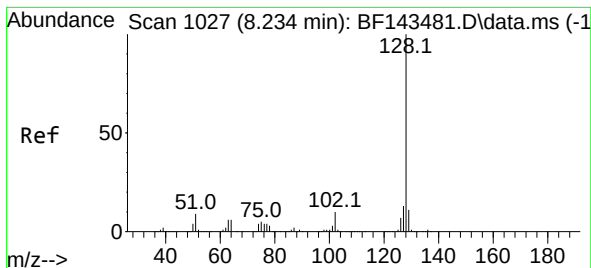


#30
1,2,4-Trichlorobenzene
Concen: 47.602 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



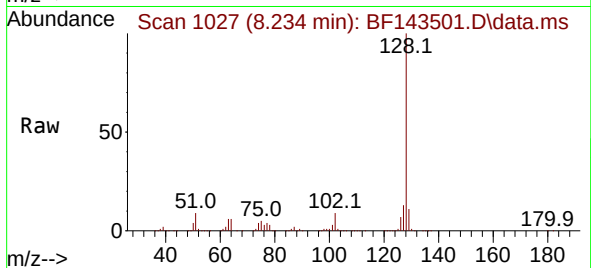
Tgt Ion:180 Resp: 327949
Ion Ratio Lower Upper
180 100
182 96.1 76.6 114.8
145 30.5 24.3 36.5





#31
Naphthalene
Concen: 45.141 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

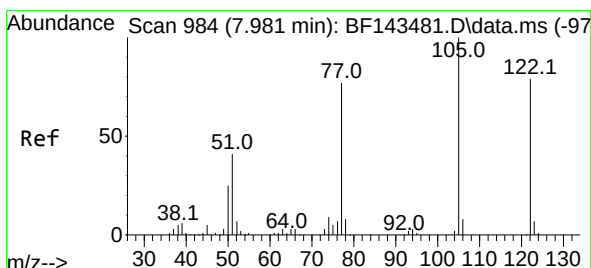
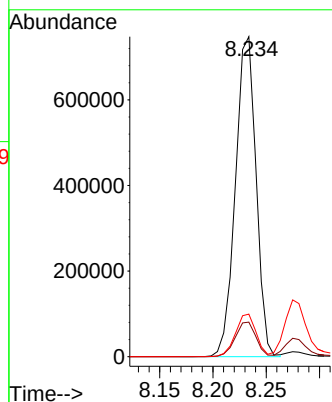
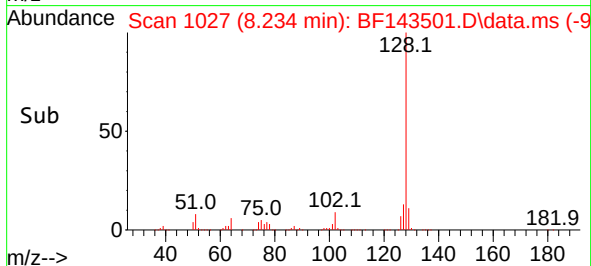
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:128 Resp: 1009614
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.3 10.6 16.0

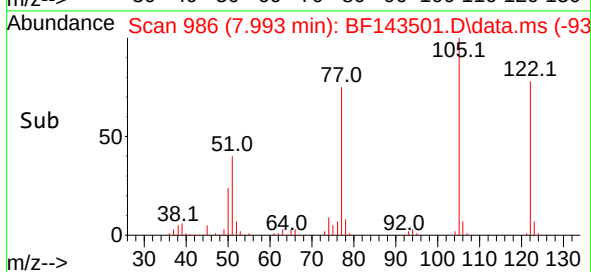
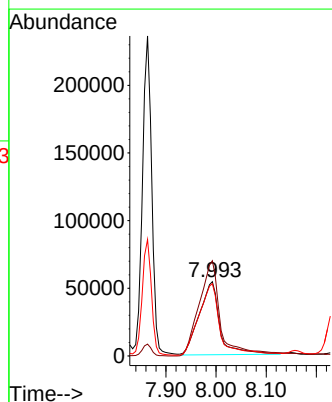
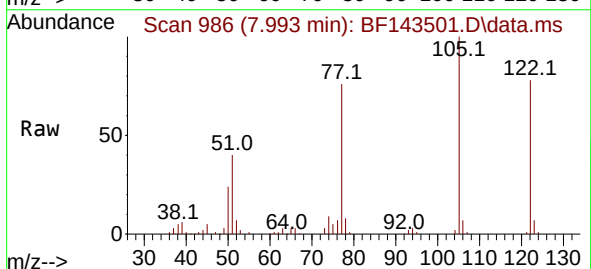
Manual Integrations
APPROVED

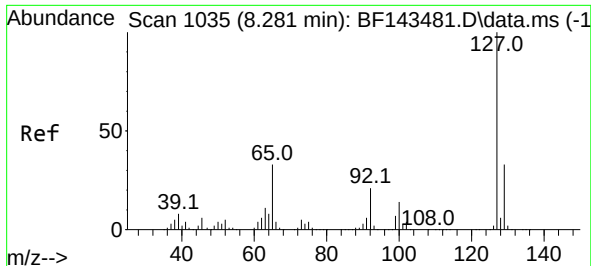
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#32
Benzoic acid
Concen: 44.087 ng
RT: 7.993 min Scan# 986
Delta R.T. -0.017 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

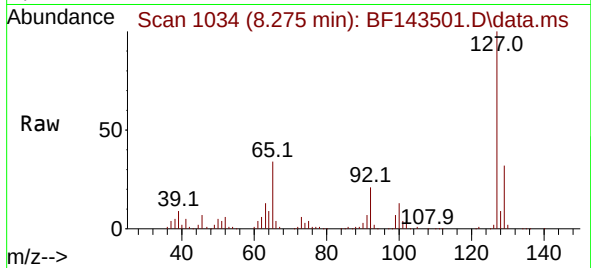
Tgt Ion:122 Resp: 155257
Ion Ratio Lower Upper
122 100
105 128.2 104.7 144.7
77 97.4 77.3 117.3





#33
4-Chloroaniline
Concen: 25.318 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

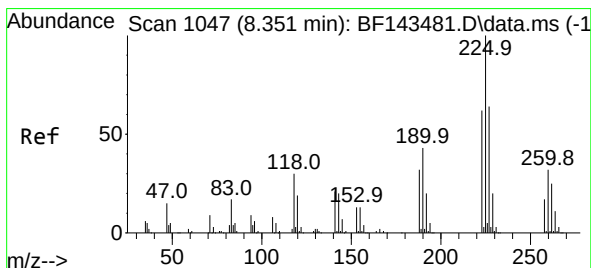
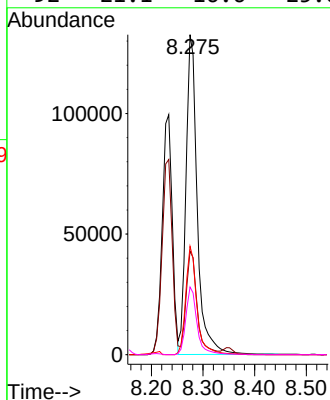
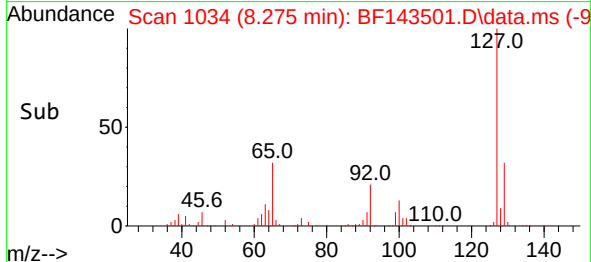
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



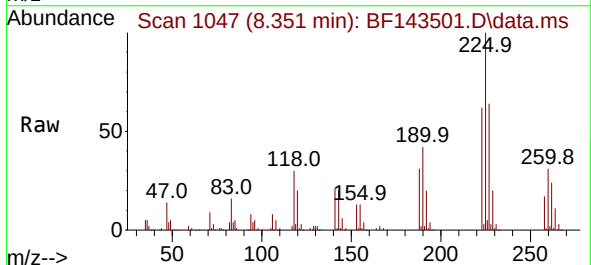
Tgt Ion:127 Resp: 20097
Ion Ratio Lower Upper
127 100
129 32.4 26.1 39.1
65 33.8 26.2 39.2
92 21.1 16.6 25.0

Manual Integrations
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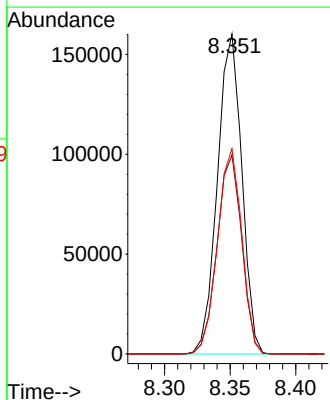
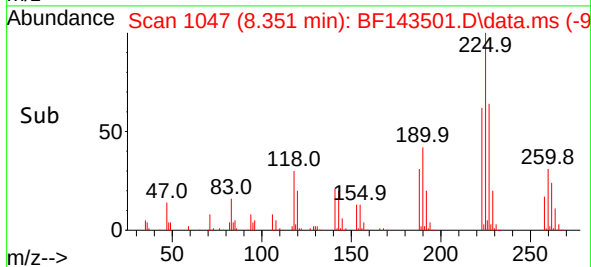
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

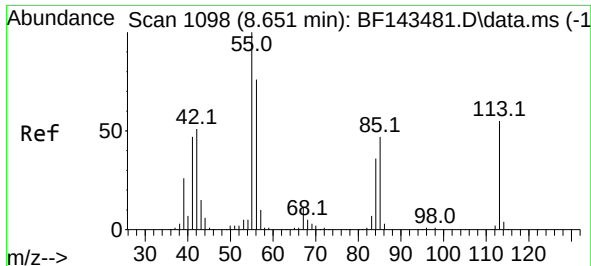


#34
Hexachlorobutadiene
Concen: 46.053 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



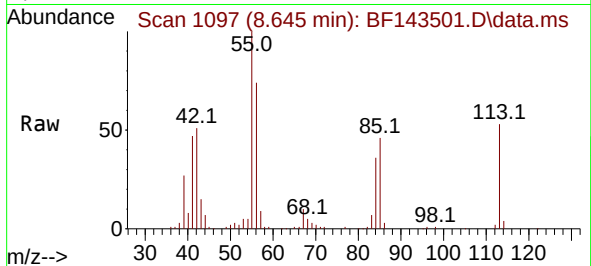
Tgt Ion:225 Resp: 206996
Ion Ratio Lower Upper
225 100
223 62.2 49.9 74.9
227 64.2 50.9 76.3





#35
Caprolactam
Concen: 53.495 ng m
RT: 8.645 min Scan# 1097
Delta R.T. -0.029 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

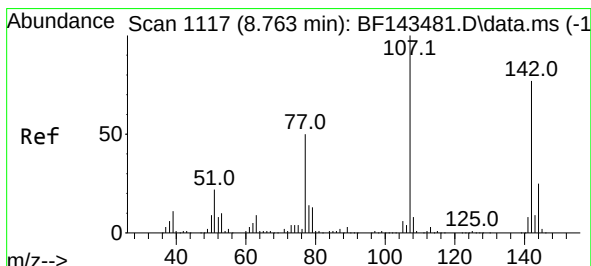
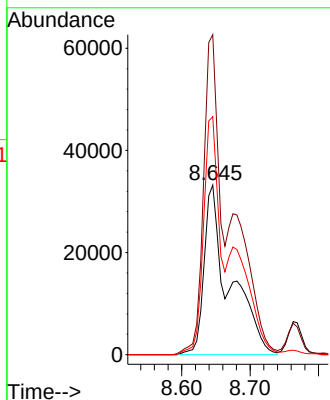
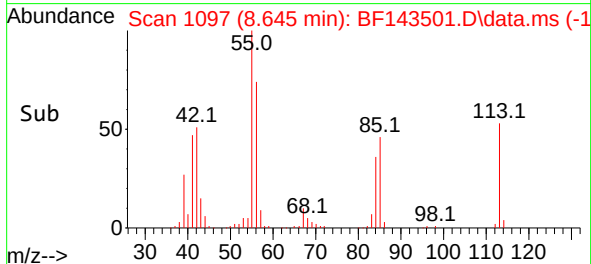
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



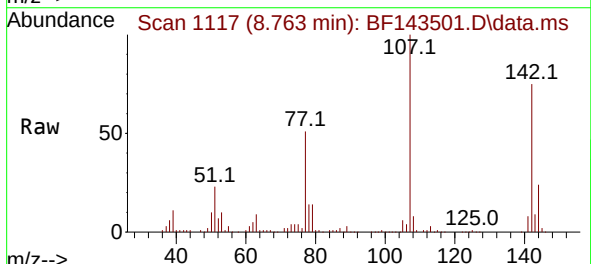
Tgt Ion:113 Resp: 86010
Ion Ratio Lower Upper
113 100
55 188.7 162.8 202.8
56 140.4 118.1 158.1

Manual Integrations
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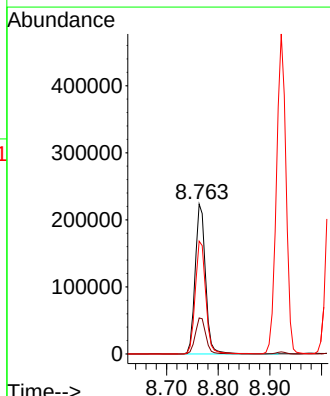
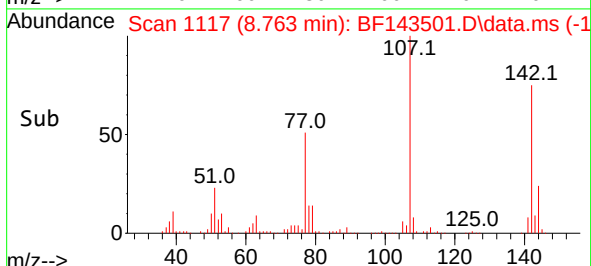
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

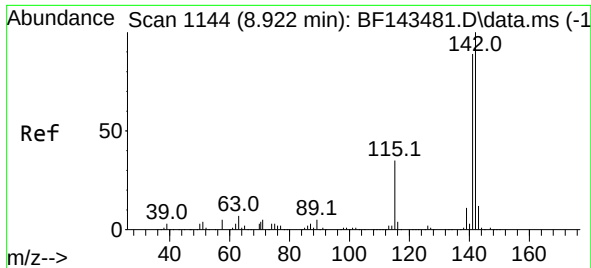


#36
4-Chloro-3-methylphenol
Concen: 46.382 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



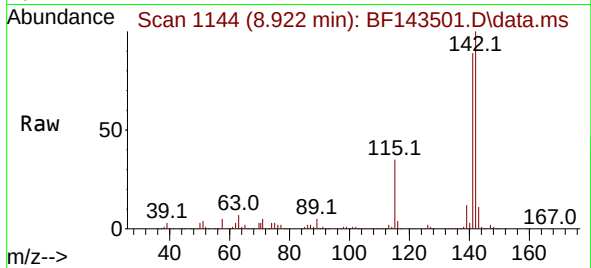
Tgt Ion:107 Resp: 311458
Ion Ratio Lower Upper
107 100
144 24.1 19.9 29.9
142 75.2 61.8 92.8





#37
2-Methylnaphthalene
Concen: 40.976 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

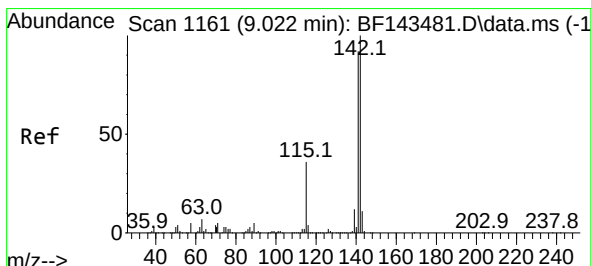
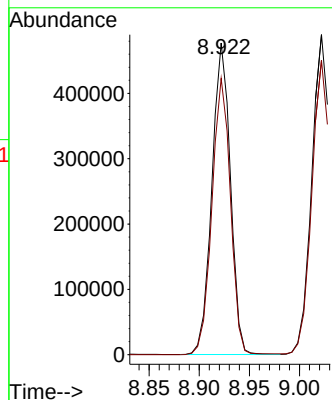
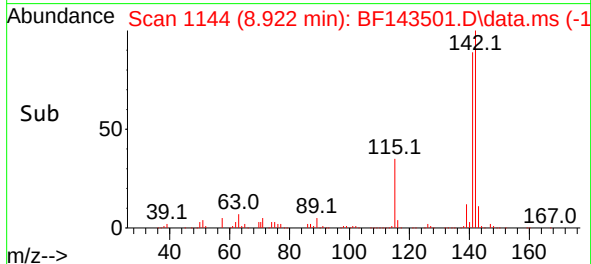
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:142 Resp: 612085
Ion Ratio Lower Upper
142 100
141 88.7 71.0 106.4

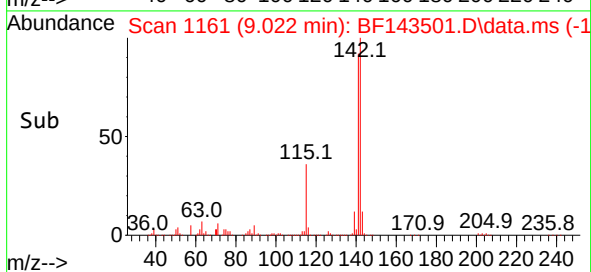
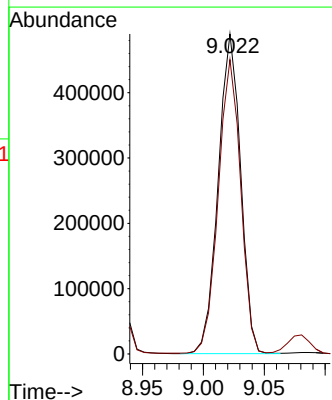
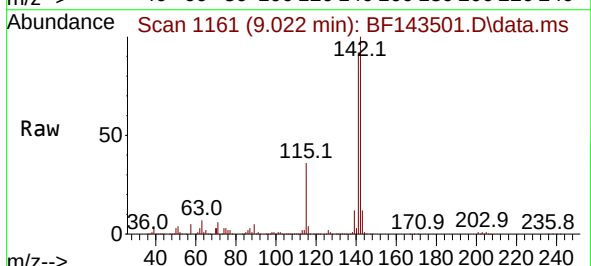
Manual Integrations
APPROVED

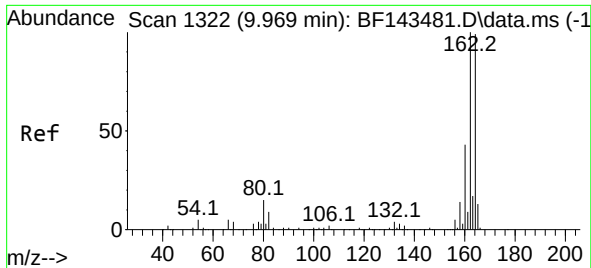
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#38
1-Methylnaphthalene
Concen: 43.916 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

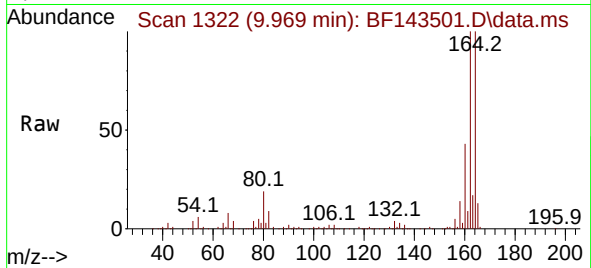
Tgt Ion:142 Resp: 627504
Ion Ratio Lower Upper
142 100
141 92.0 73.3 109.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

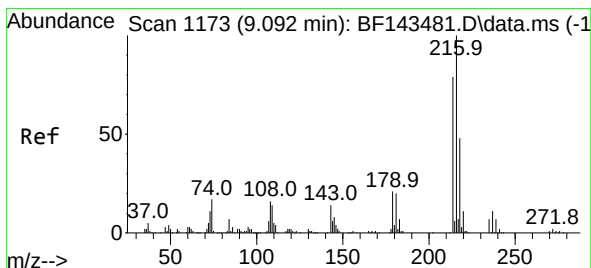
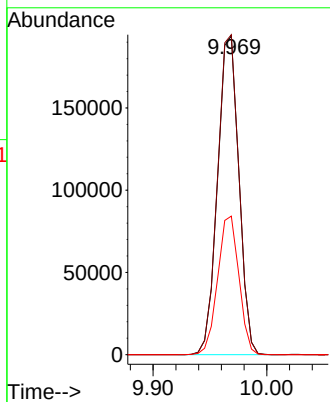
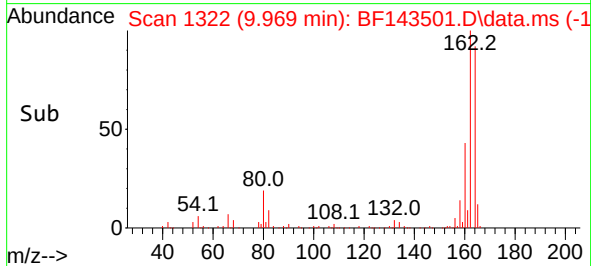
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



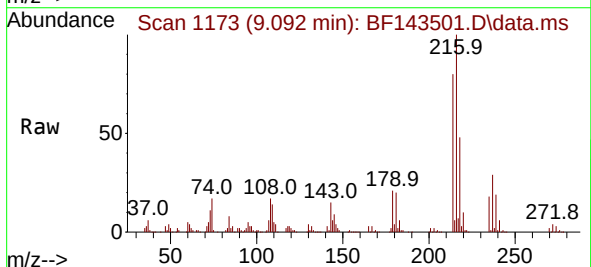
Tgt Ion:164 Resp: 252664
Ion Ratio Lower Upper
164 100
162 100.4 80.5 120.7
160 43.5 34.3 51.5

Manual Integrations
APPROVED

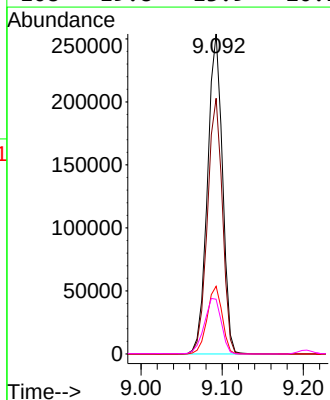
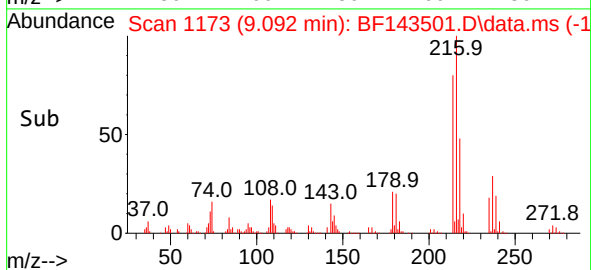
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

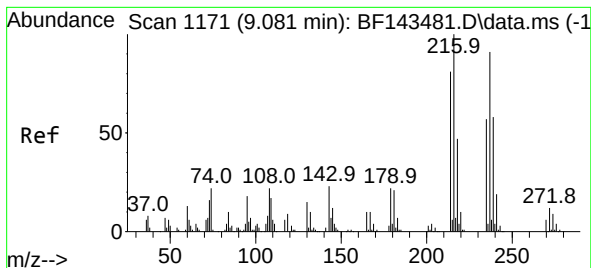


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.892 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:216 Resp: 324443
Ion Ratio Lower Upper
216 100
214 79.7 63.4 95.0
179 21.2 16.5 24.7
108 19.8 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 111.931 ng

RT: 9.081 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

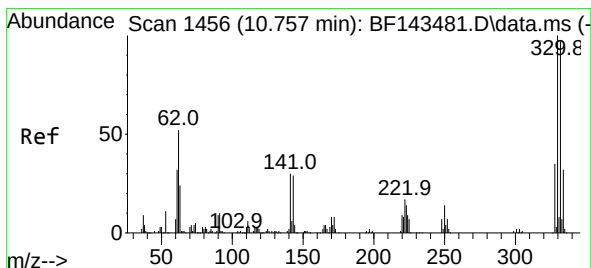
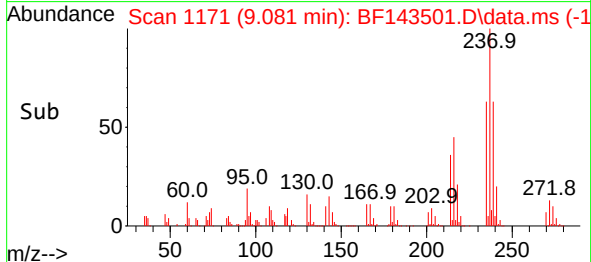
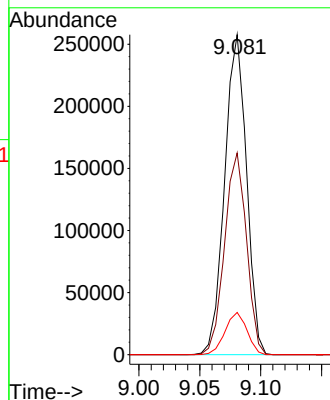
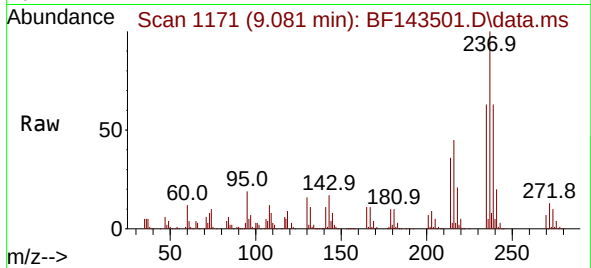
Tgt Ion:	237	Resp:	322174
Ion Ratio	Lower	Upper	
237	100		
235	63.0	42.6	82.6
272	13.2	0.0	33.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#42

2,4,6-Tribromophenol

Concen: 133.087 ng

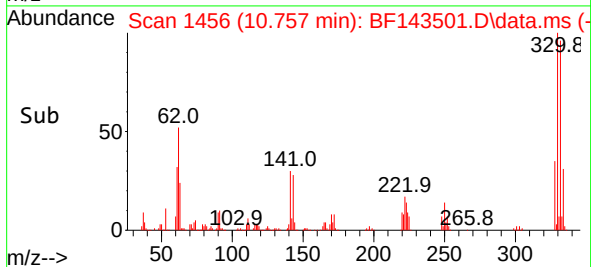
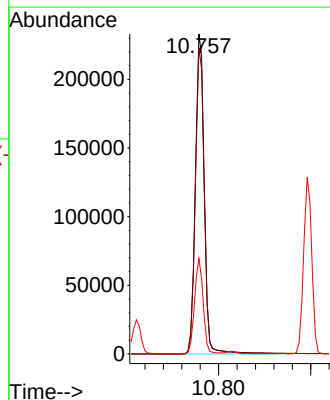
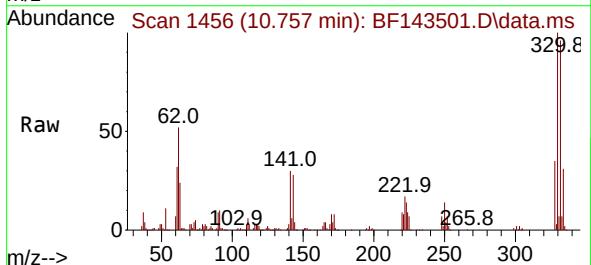
RT: 10.757 min Scan# 1456

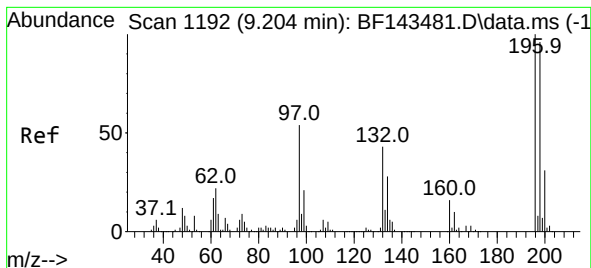
Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

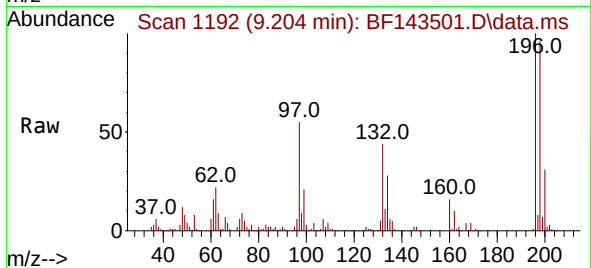
Tgt Ion:	330	Resp:	313012
Ion Ratio	Lower	Upper	
330	100		
332	95.7	78.0	117.0
141	28.8	23.7	35.5





#43
2,4,6-Trichlorophenol
Concen: 46.517 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

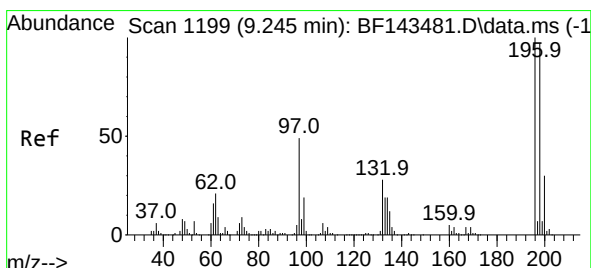
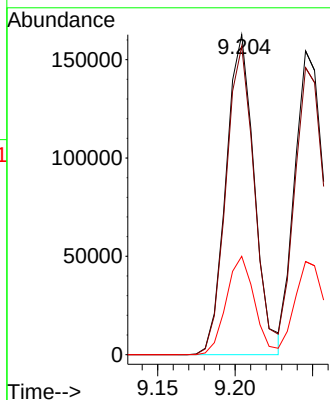
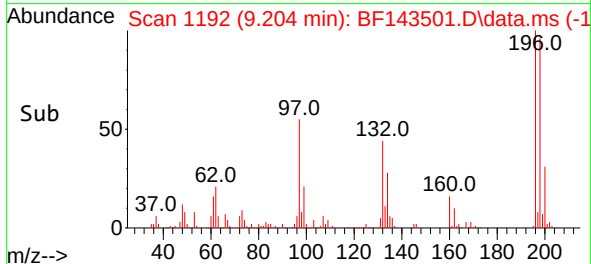
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



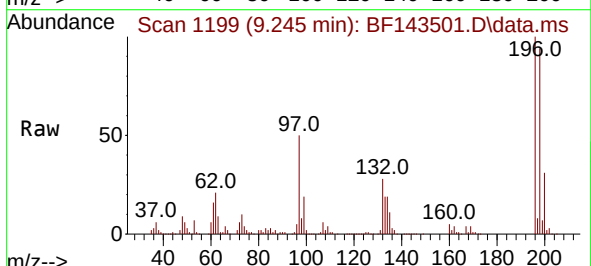
Tgt Ion:196 Resp: 20686
Ion Ratio Lower Upper
196 100
198 96.4 77.0 115.4
200 30.8 24.6 37.0

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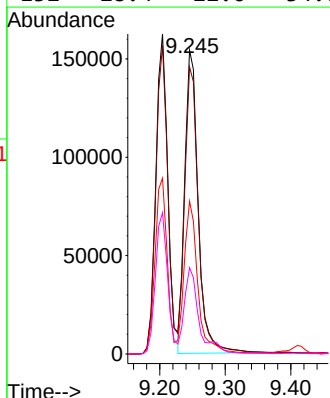
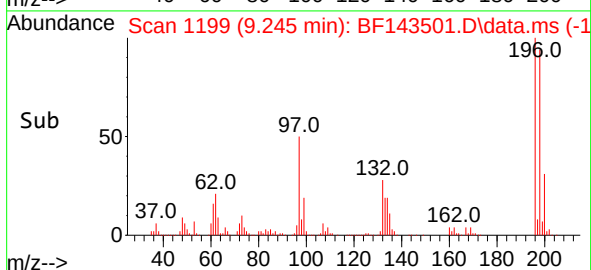
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

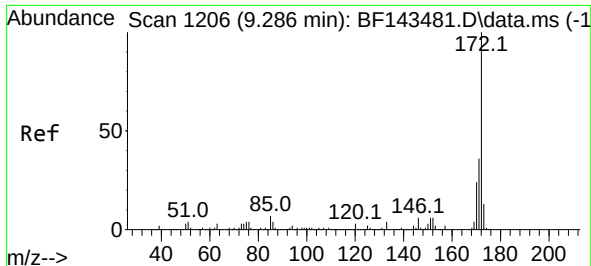


#44
2,4,5-Trichlorophenol
Concen: 45.292 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



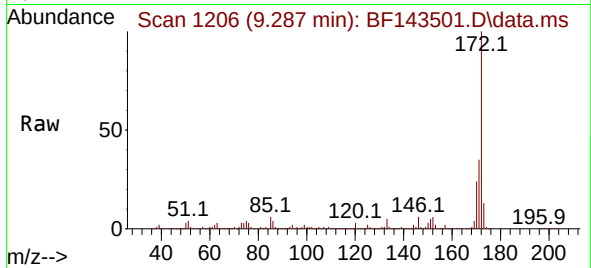
Tgt Ion:196 Resp: 220012
Ion Ratio Lower Upper
196 100
198 94.4 77.3 115.9
97 50.3 40.0 60.0
132 28.4 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 87.878 ng
RT: 9.287 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

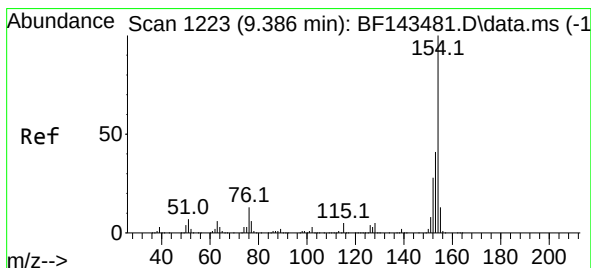
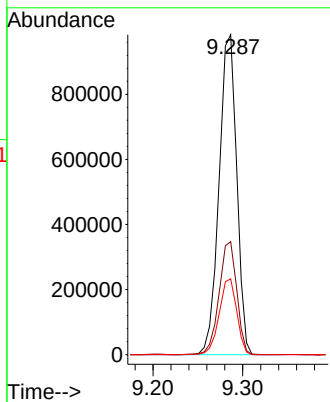
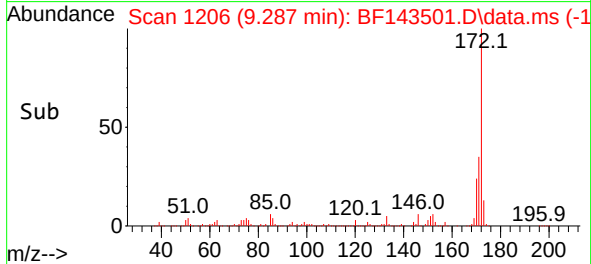
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



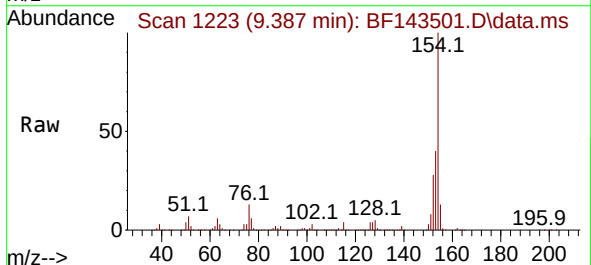
Tgt Ion:172 Resp: 134349
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.7 18.8 28.2

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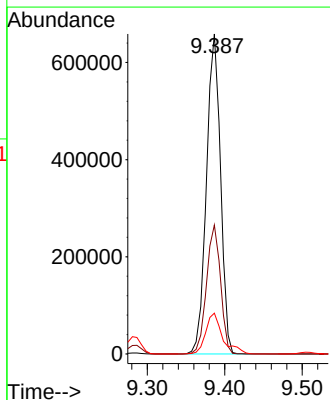
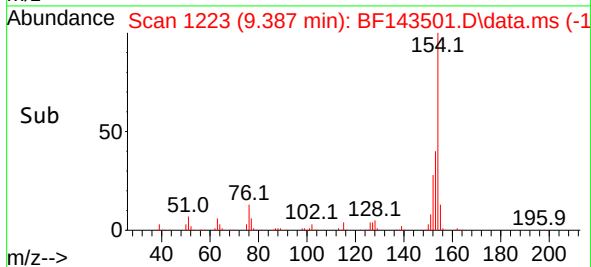
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

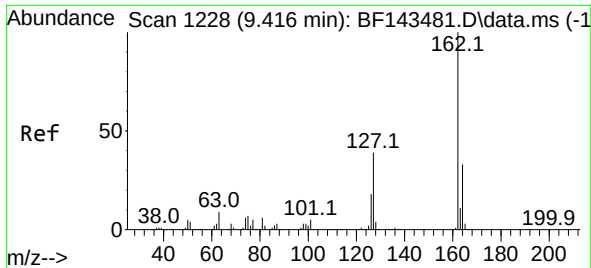


#46
1,1'-Biphenyl
Concen: 46.171 ng
RT: 9.387 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:154 Resp: 828011
Ion Ratio Lower Upper
154 100
153 40.3 20.6 60.6
76 12.8 0.0 33.0





#47

2-Chloronaphthalene

Concen: 45.590 ng

RT: 9.410 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

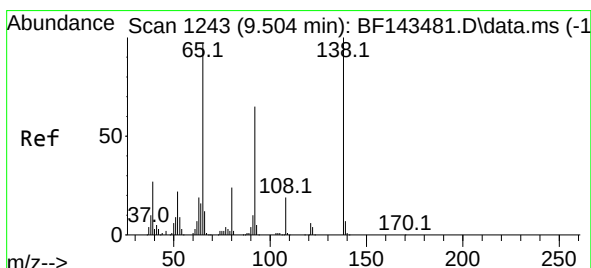
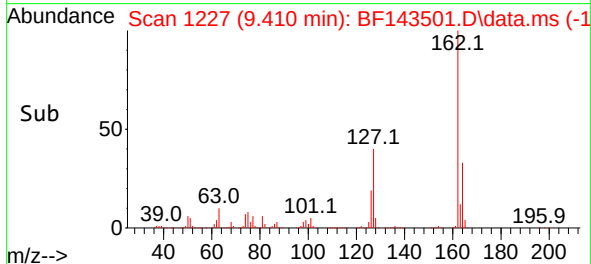
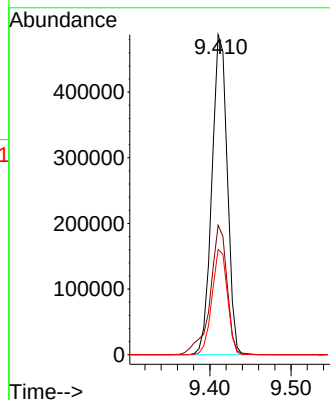
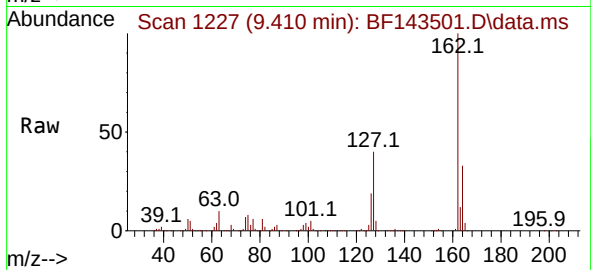
ClientSampleId :

PB169223BSD

Tgt Ion:162 Resp: 641500
 Ion Ratio Lower Upper
 162 100
 127 40.4 31.8 47.6
 164 32.9 26.4 39.6

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025



#48

2-Nitroaniline

Concen: 48.672 ng

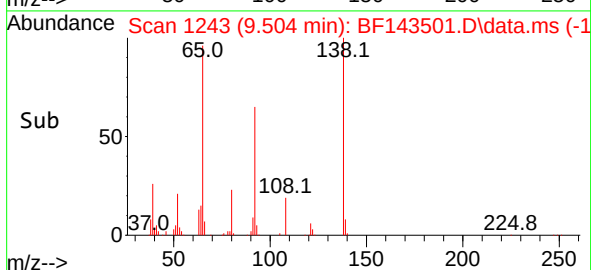
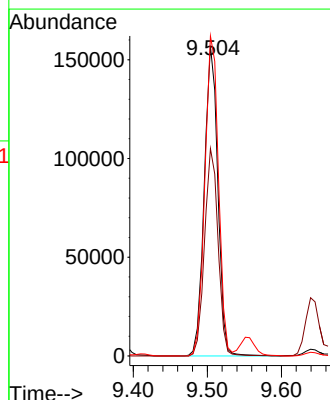
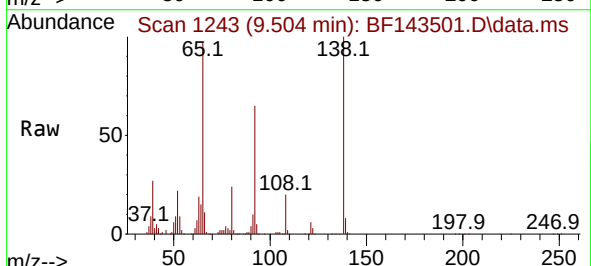
RT: 9.504 min Scan# 1243

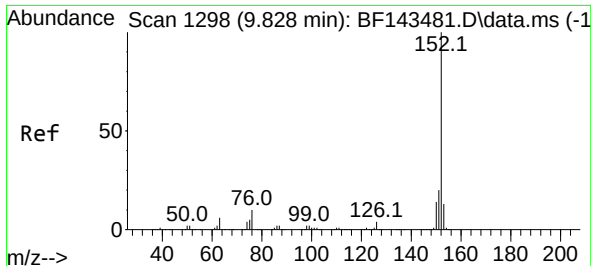
Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Tgt Ion: 65 Resp: 200435
 Ion Ratio Lower Upper
 65 100
 92 66.9 53.8 80.6
 138 103.2 82.4 123.6





#49

Acenaphthylene

Concen: 50.955 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143501.D

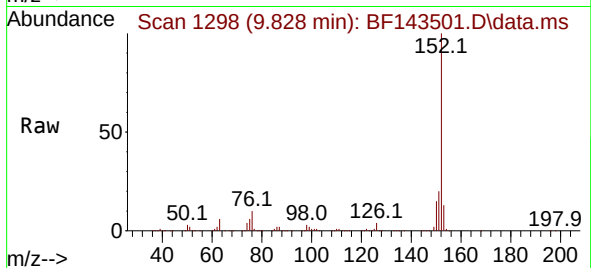
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD



Tgt Ion:152 Resp: 102663

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

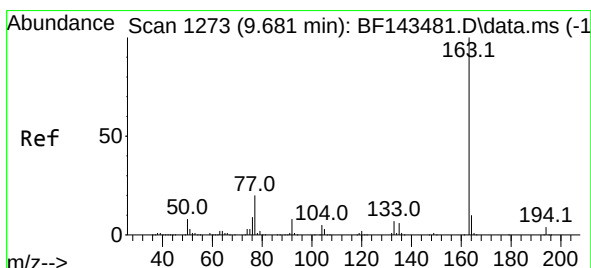
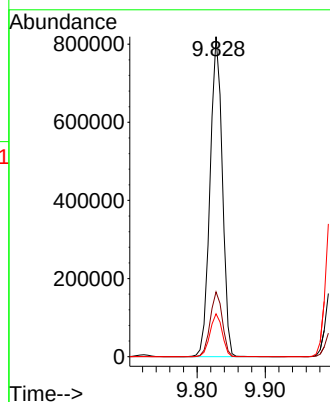
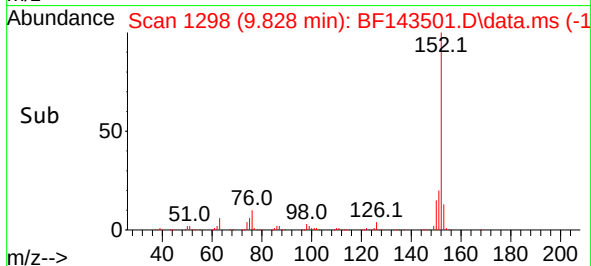
153 13.4 10.6 15.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#50

Dimethylphthalate

Concen: 48.431 ng

RT: 9.687 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

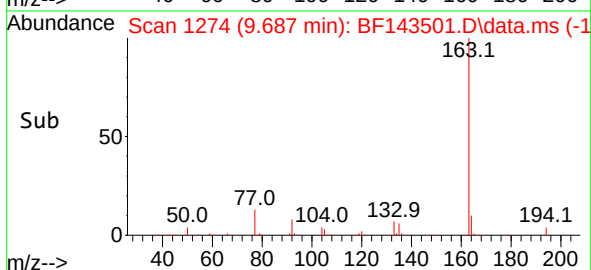
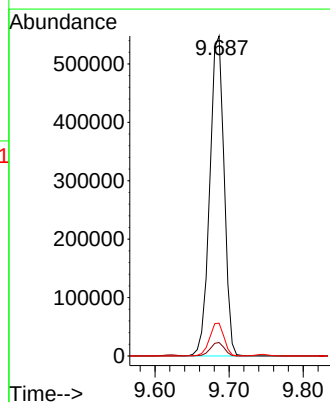
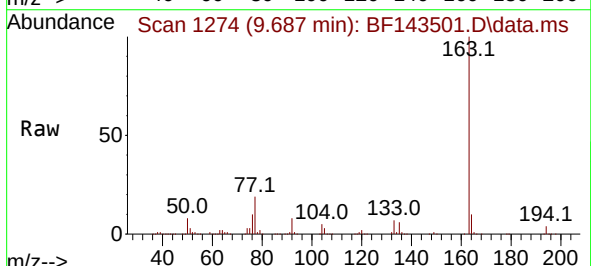
Tgt Ion:163 Resp: 736986

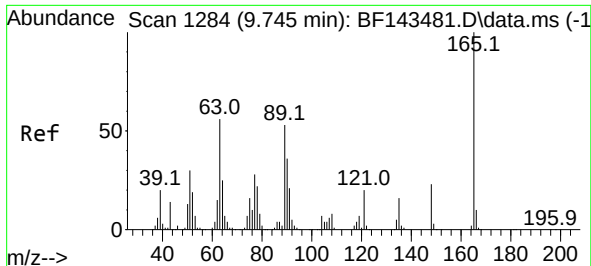
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

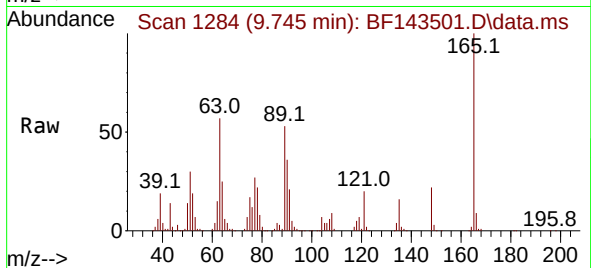
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 51.601 ng
RT: 9.745 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

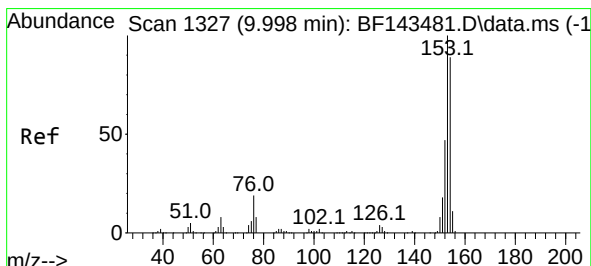
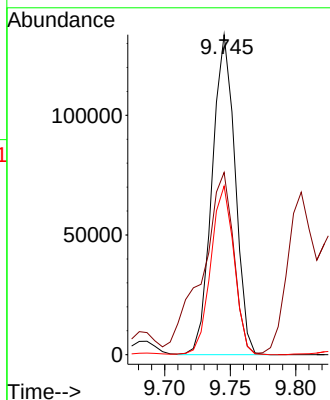
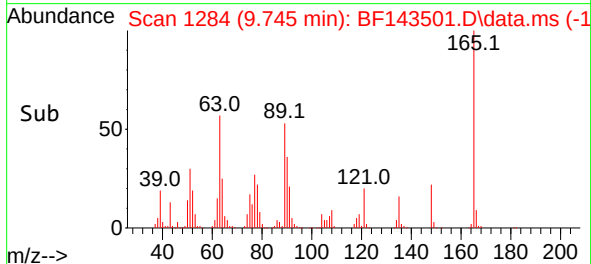
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



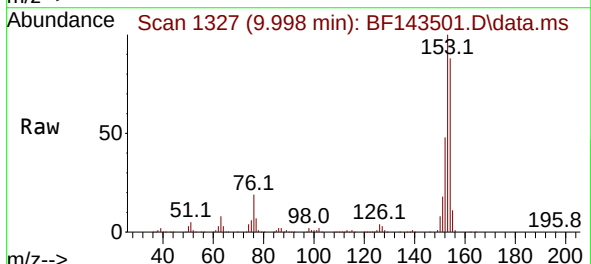
Tgt Ion:165 Resp: 16274
Ion Ratio Lower Upper
165 100
63 57.0 45.0 67.6
89 52.7 42.5 63.7

Manual Integrations
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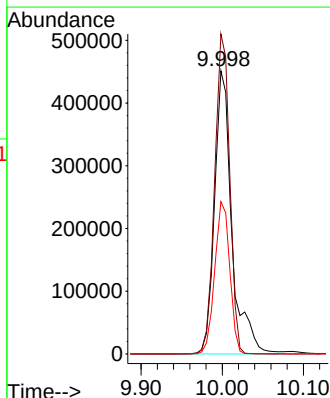
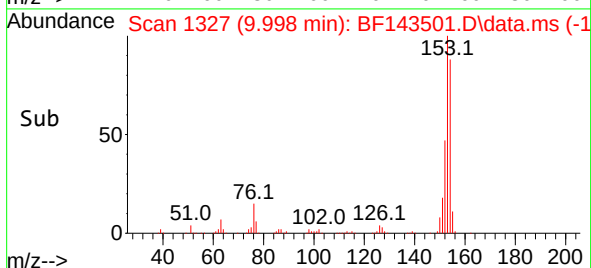
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

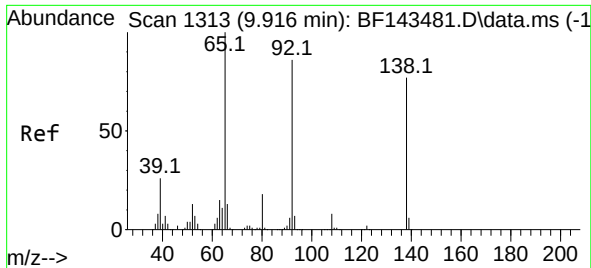


#52
Acenaphthene
Concen: 49.001 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



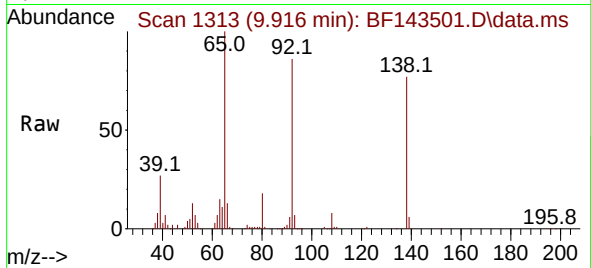
Tgt Ion:154 Resp: 670314
Ion Ratio Lower Upper
154 100
153 113.1 89.5 134.3
152 53.8 42.5 63.7





#53
3-Nitroaniline
Concen: 33.463 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

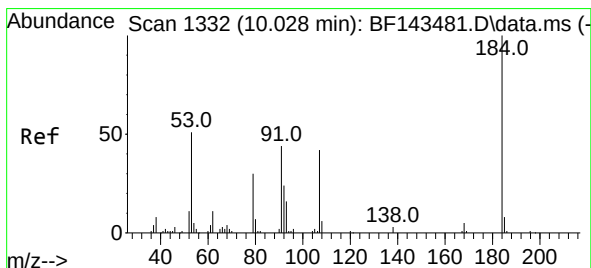
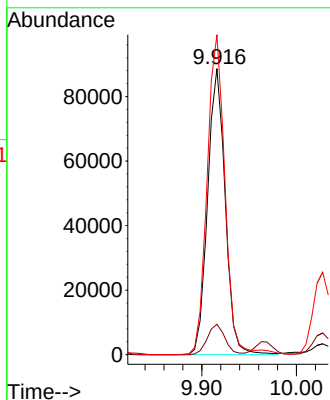
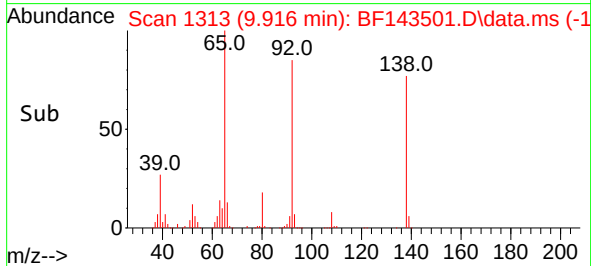
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



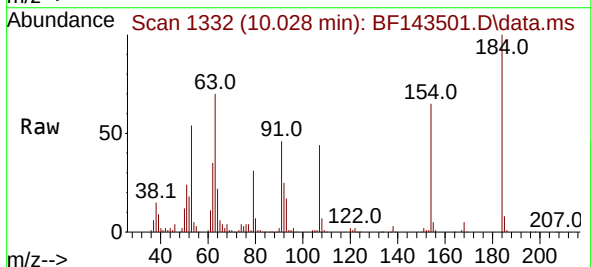
Tgt Ion:138 Resp: 114039
Ion Ratio Lower Upper
138 100
108 10.6 8.6 13.0
92 111.9 89.8 134.8

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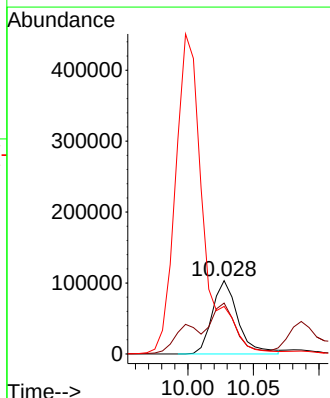
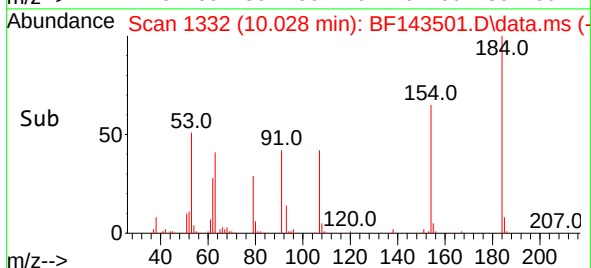
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

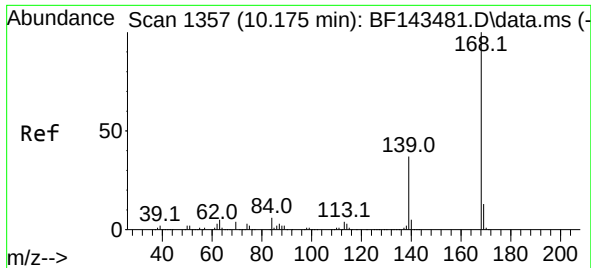


#54
2,4-Dinitrophenol
Concen: 83.316 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



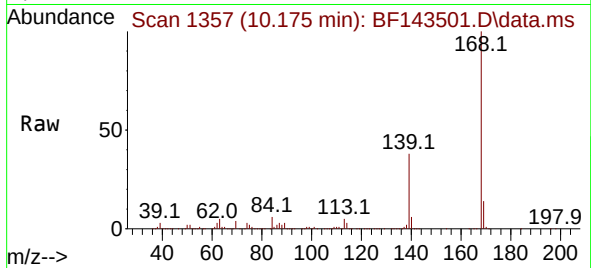
Tgt Ion:184 Resp: 140919
Ion Ratio Lower Upper
184 100
63 69.5 52.6 78.8
154 64.9 51.0 76.4





#55
Dibenzenofuran
Concen: 45.798 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

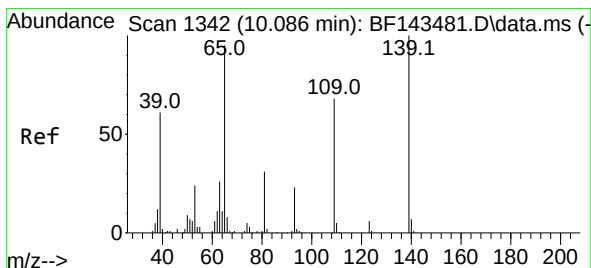
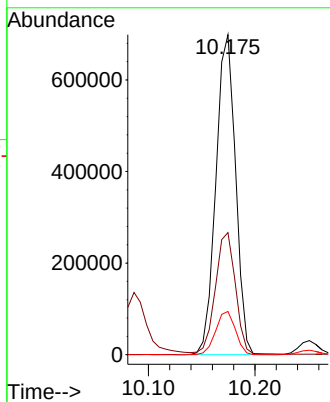
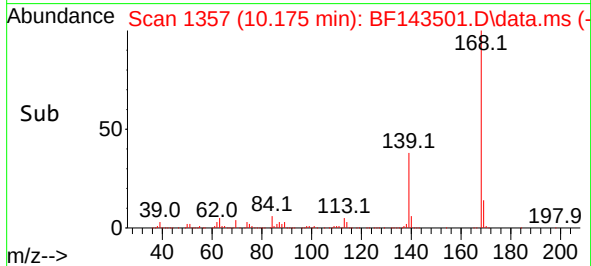
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



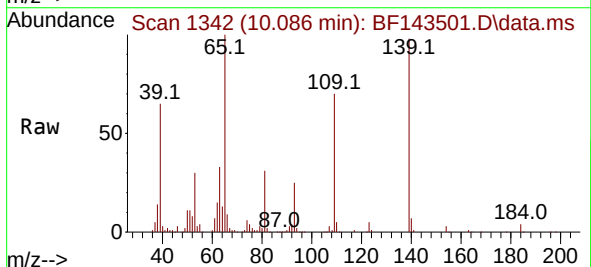
Tgt Ion:168 Resp: 89319
Ion Ratio Lower Upper
168 100
139 38.1 29.8 44.6
169 13.5 10.8 16.2

Manual Integrations
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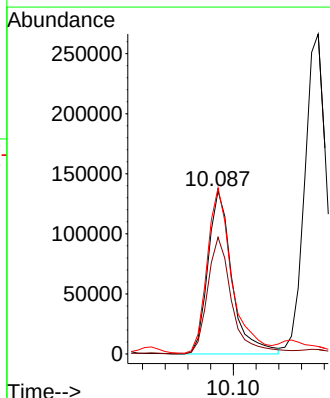
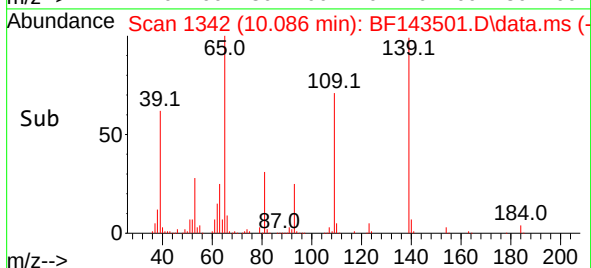
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

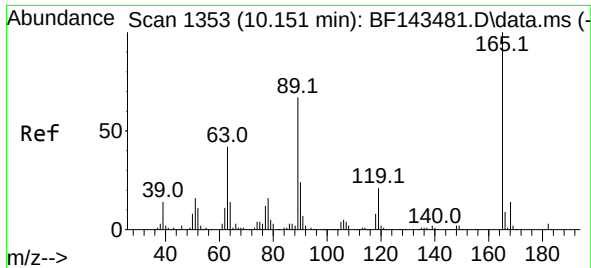


#56
4-Nitrophenol
Concen: 98.523 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



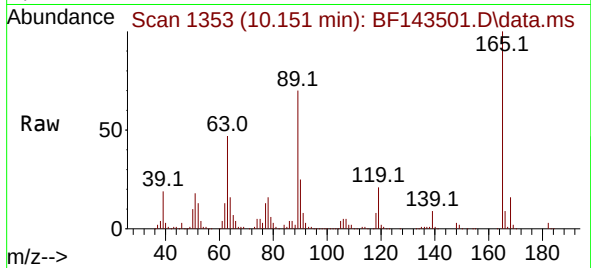
Tgt Ion:139 Resp: 199779
Ion Ratio Lower Upper
139 100
109 71.5 48.2 88.2
65 101.8 75.8 115.8





#57
2,4-Dinitrotoluene
Concen: 51.256 ng
RT: 10.151 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

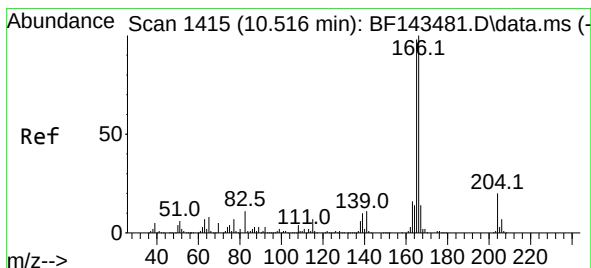
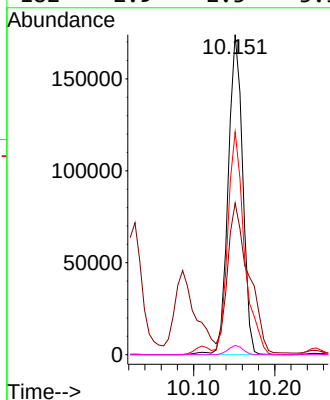
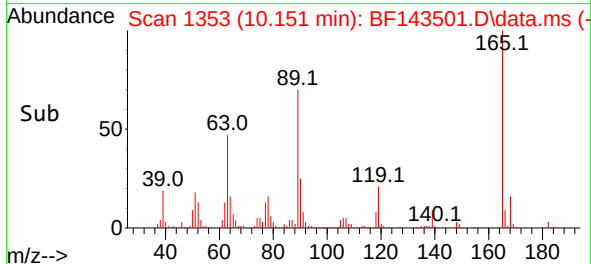
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



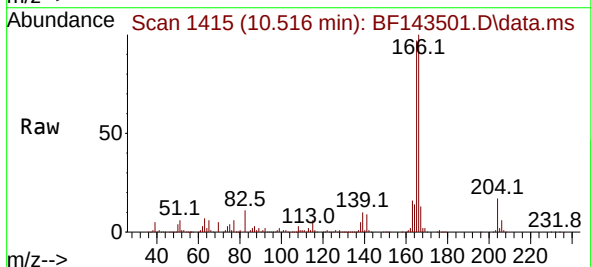
Tgt Ion:165 Resp: 21585
Ion Ratio Lower Upper
165 100
63 47.4 34.9 52.3
89 69.6 53.3 79.9
182 2.9 2.3 3.5

Manual Integrations
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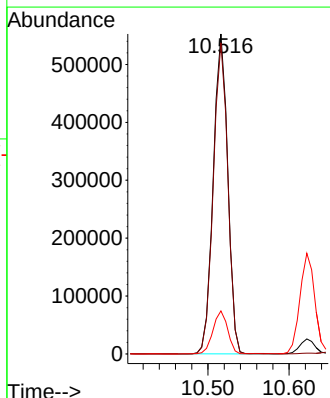
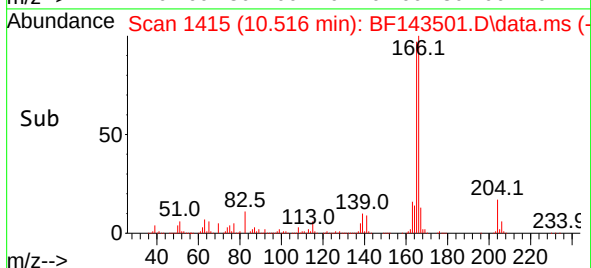
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

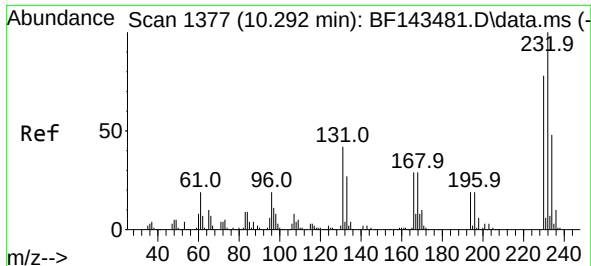


#58
Fluorene
Concen: 45.759 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



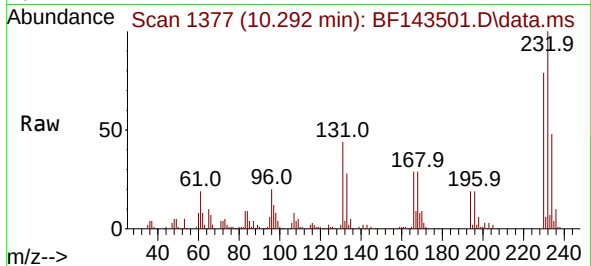
Tgt Ion:166 Resp: 686867
Ion Ratio Lower Upper
166 100
165 97.3 78.3 117.5
167 13.4 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.070 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

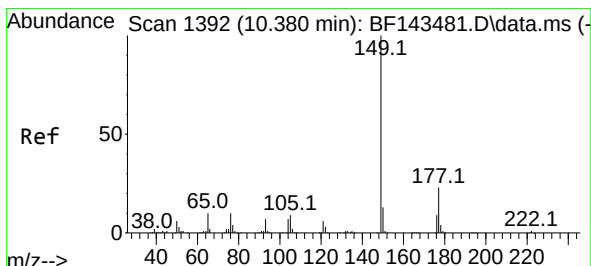
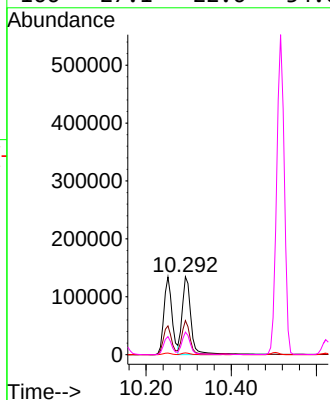
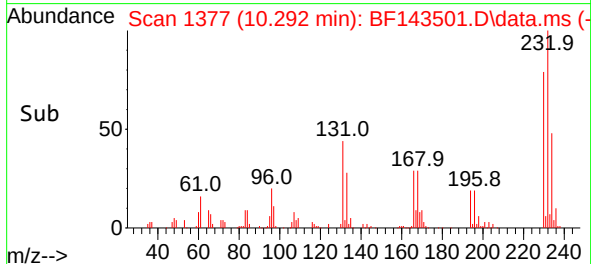
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



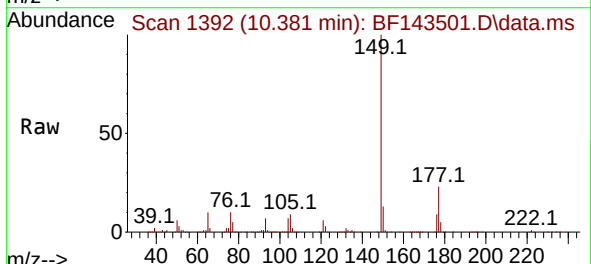
Tgt Ion:232 Resp: 19152
Ion Ratio Lower Upper
232 100
131 41.9 32.7 49.1
130 2.2 1.6 2.4
166 27.1 22.6 34.0

Manual Integrations
APPROVED

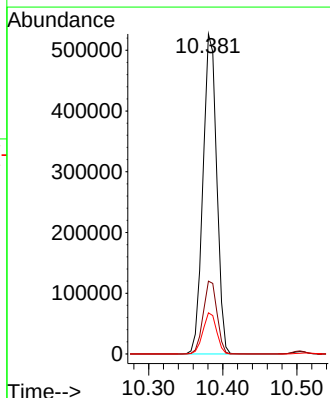
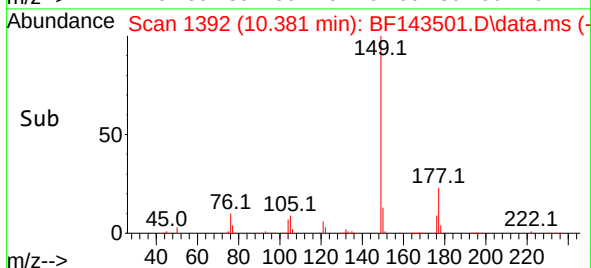
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

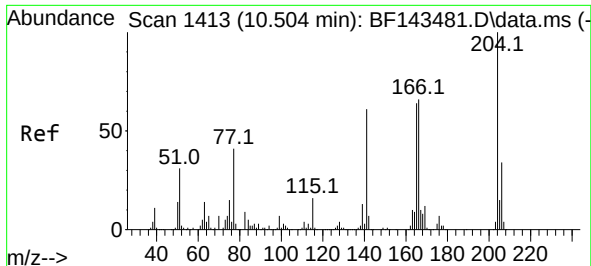


#60
Diethylphthalate
Concen: 49.780 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



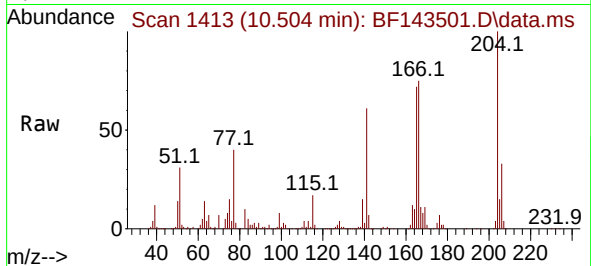
Tgt Ion:149 Resp: 679159
Ion Ratio Lower Upper
149 100
177 22.7 18.3 27.5
150 12.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 46.191 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

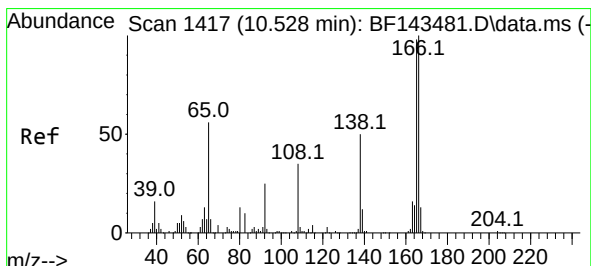
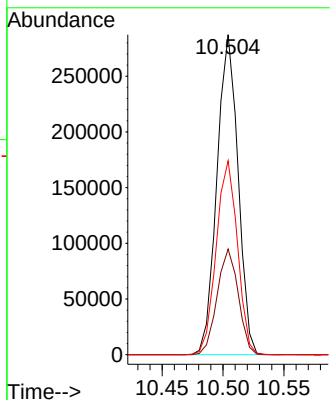
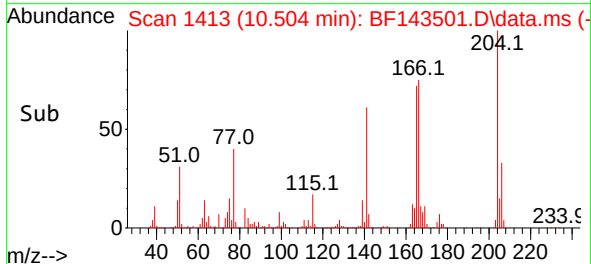
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:204 Resp: 346760
Ion Ratio Lower Upper
204 100
206 33.0 27.0 40.4
141 60.6 48.7 73.1

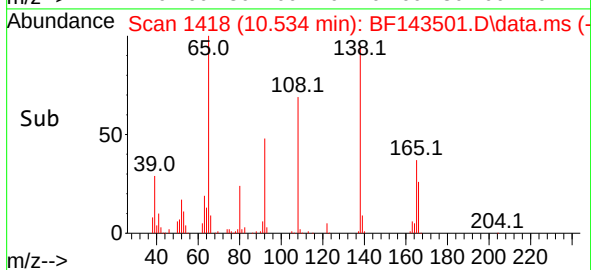
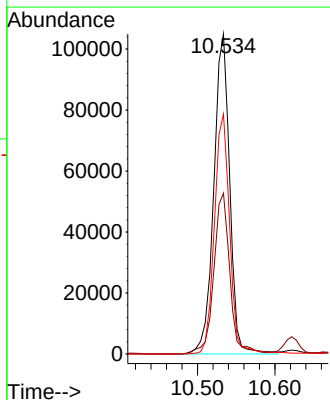
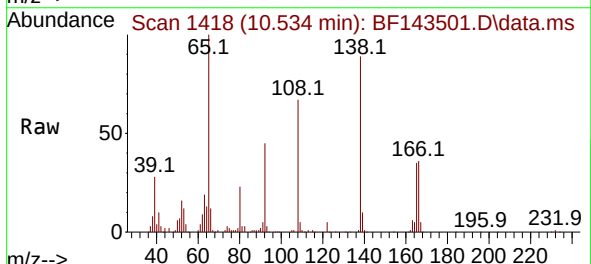
Manual Integrations
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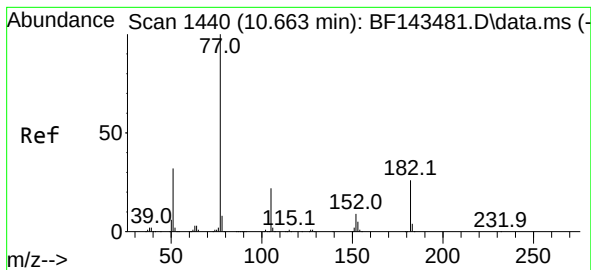
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#62
4-Nitroaniline
Concen: 48.096 ng
RT: 10.534 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

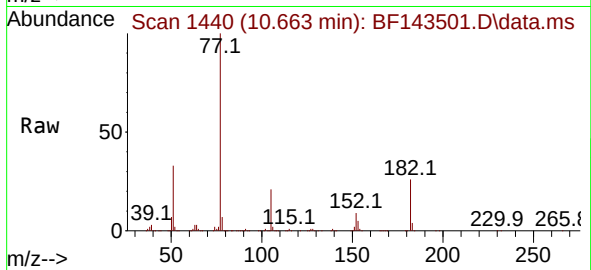
Tgt Ion:138 Resp: 150552
Ion Ratio Lower Upper
138 100
92 50.3 29.3 69.3
108 75.0 50.7 90.7





#63
Azobenzene
Concen: 48.659 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

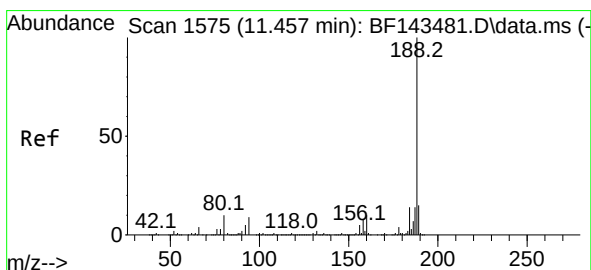
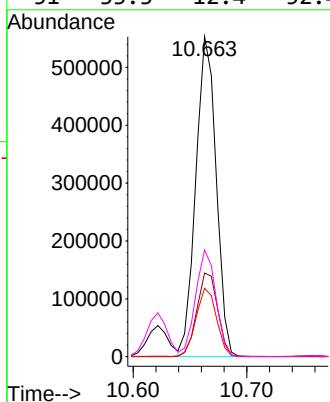
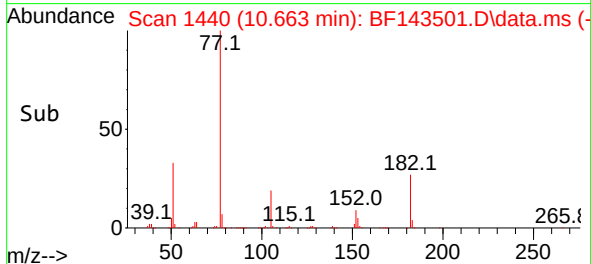
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



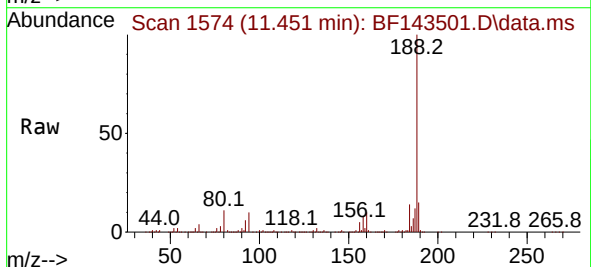
Tgt Ion: 77 Resp: 688349
Ion Ratio Lower Upper
77 100
182 26.2 6.2 46.2
105 21.4 2.2 42.2
51 33.3 12.4 52.4

Manual Integrations
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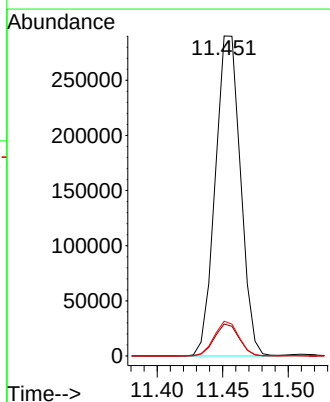
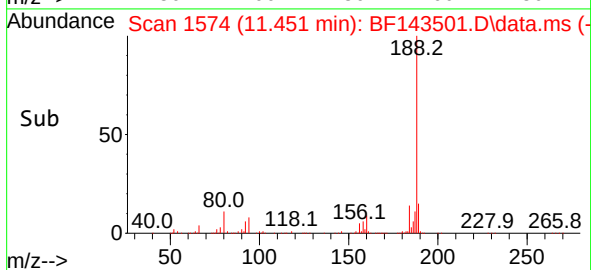
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

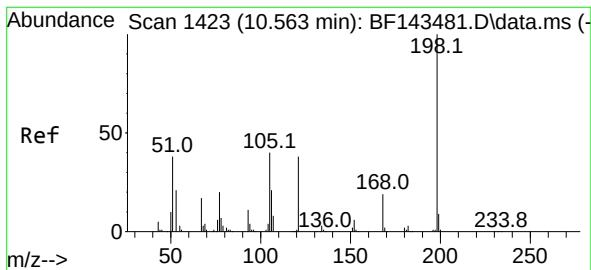


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:188 Resp: 388075
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 10.9 8.2 12.4





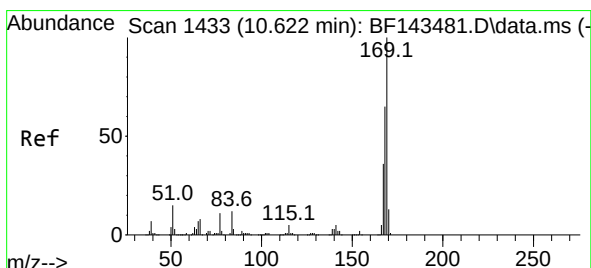
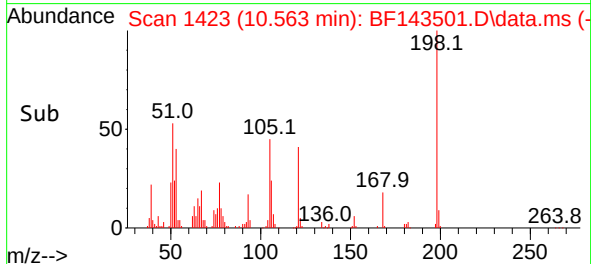
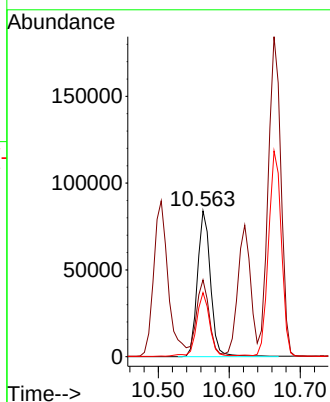
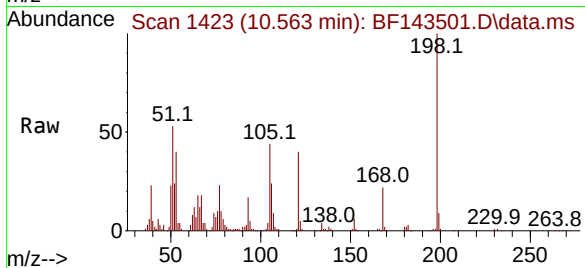
#65
4,6-Dinitro-2-methylphenol
Concen: 49.298 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

Tgt Ion:198 Resp: 10787
Ion Ratio Lower Upper
198 100
51 52.7 29.6 69.6
105 44.0 21.5 61.5

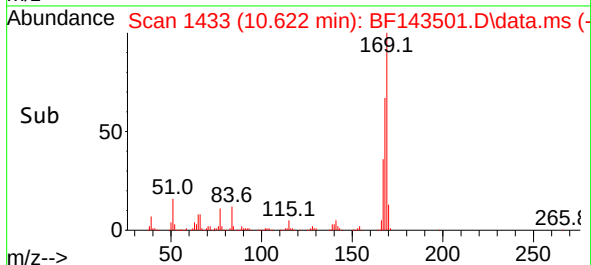
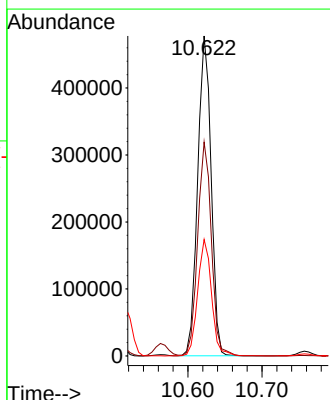
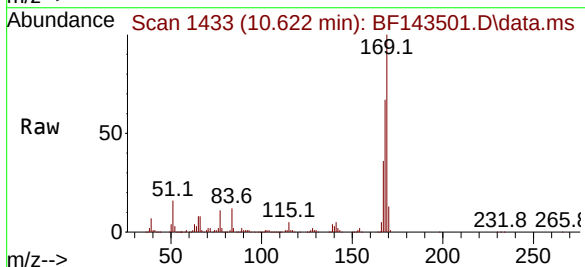
Manual Integrations
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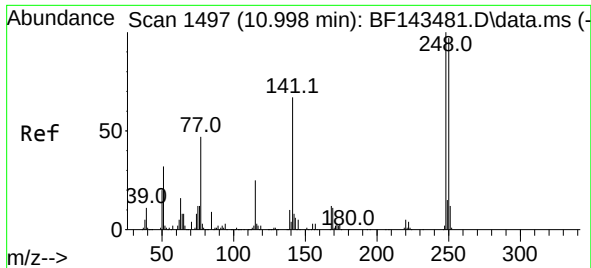
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#66
n-Nitrosodiphenylamine
Concen: 48.050 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

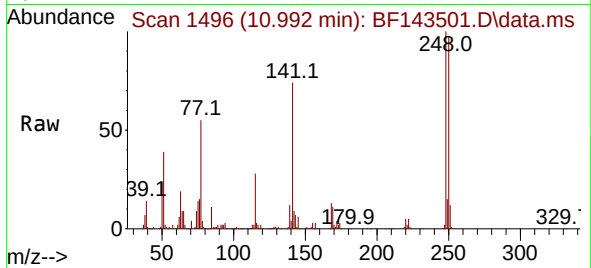
Tgt Ion:169 Resp: 600099
Ion Ratio Lower Upper
169 100
168 66.8 52.4 78.6
167 36.4 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 47.139 ng
RT: 10.992 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

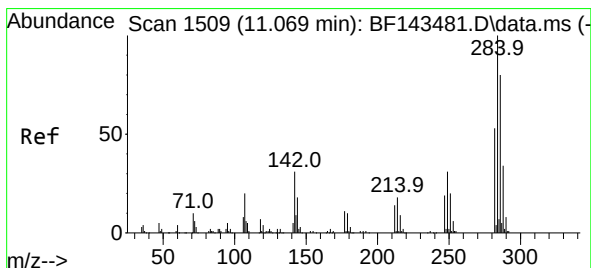
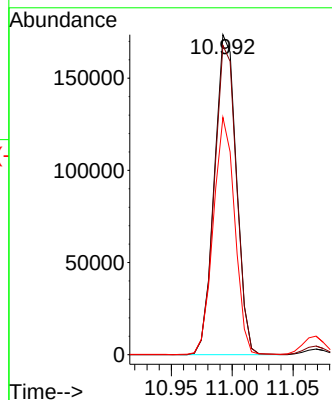
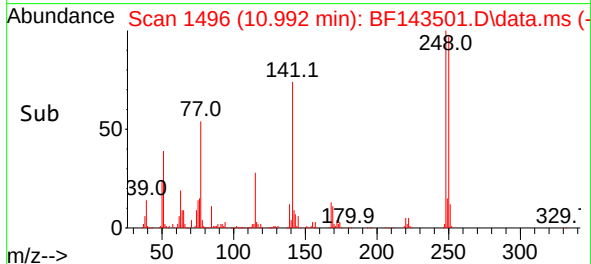
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



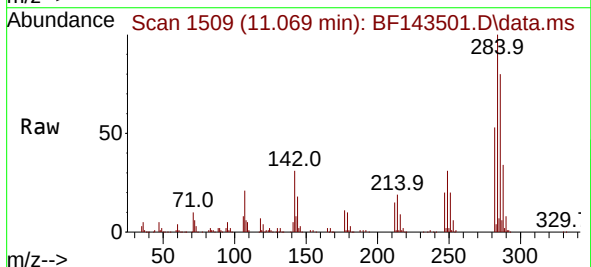
Tgt Ion:248 Resp: 218272
Ion Ratio Lower Upper
248 100
250 96.6 77.8 116.8
141 74.2 54.0 81.0

Manual Integrations
APPROVED

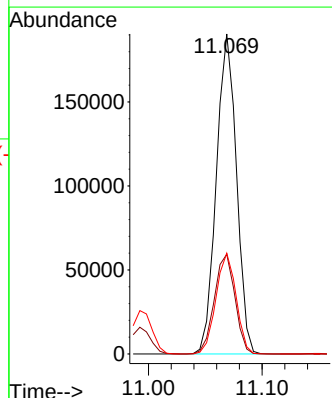
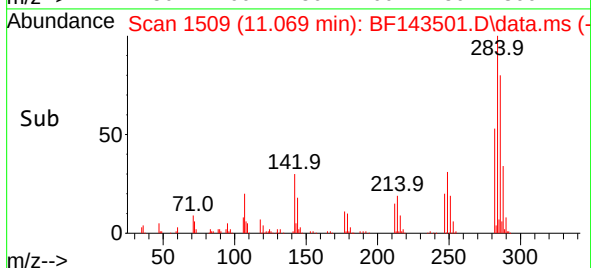
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

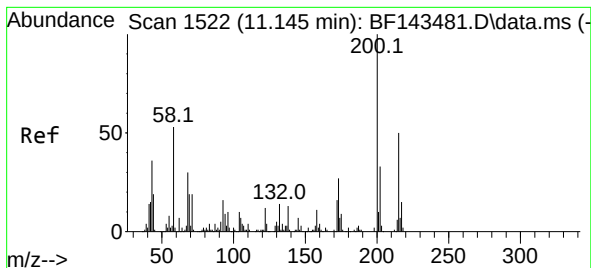


#68
Hexachlorobenzene
Concen: 47.032 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:284 Resp: 234745
Ion Ratio Lower Upper
284 100
142 31.1 24.4 36.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 52.748 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143501.D

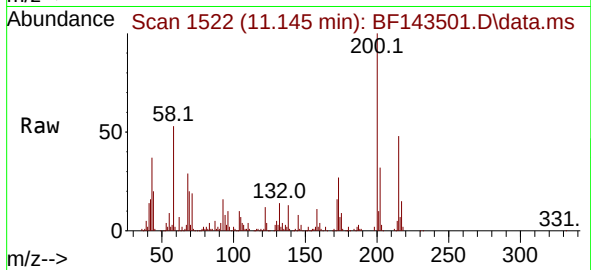
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

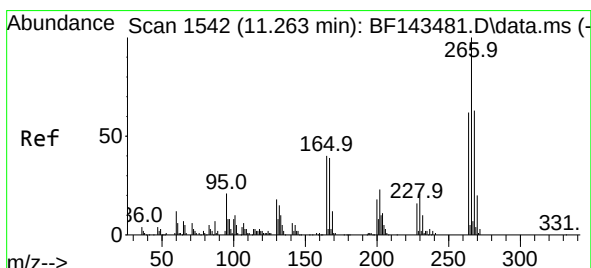
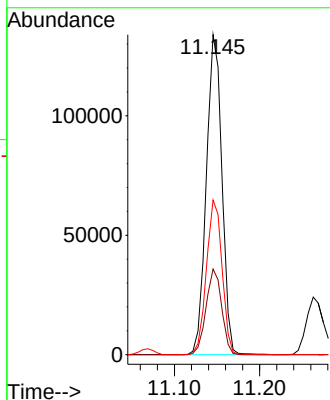
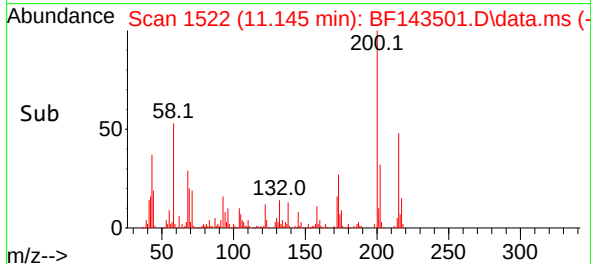


Tgt Ion:	200	Resp:	170052
Ion Ratio	Lower	Upper	
200	100		
173	26.8	6.9	46.9
215	48.4	30.0	70.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#70

Pentachlorophenol

Concen: 98.027 ng

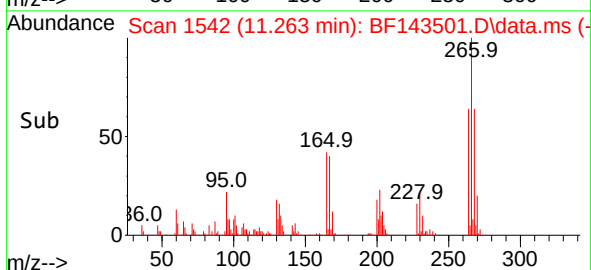
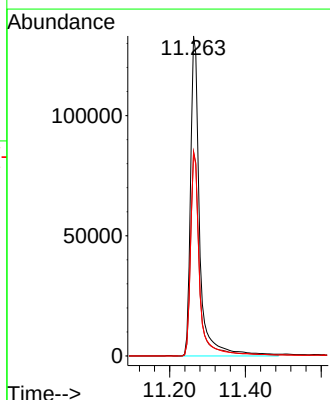
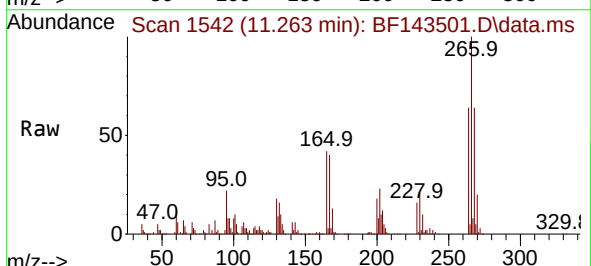
RT: 11.263 min Scan# 1542

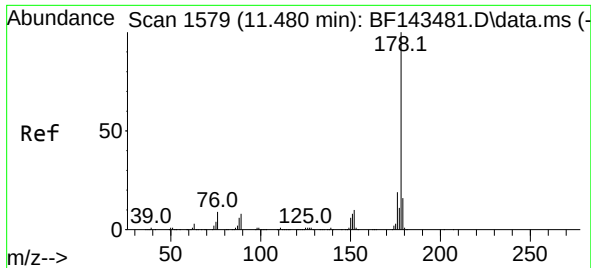
Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

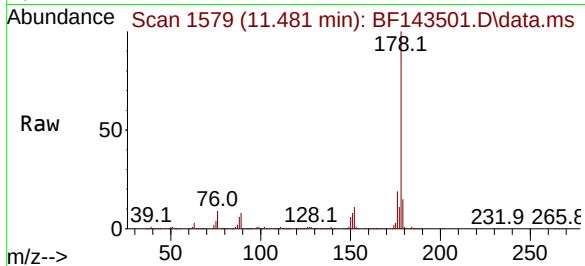
Tgt Ion:	266	Resp:	224077
Ion Ratio	Lower	Upper	
266	100		
268	63.9	50.5	75.7
264	63.6	49.8	74.8





#71
Phenanthrene
Concen: 46.526 ng
RT: 11.481 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

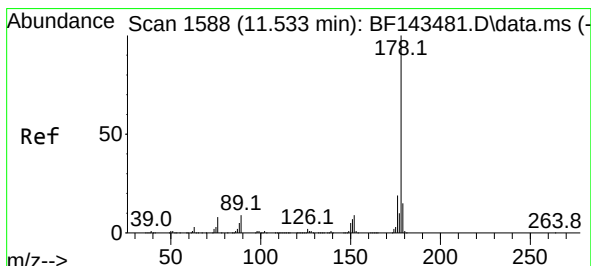
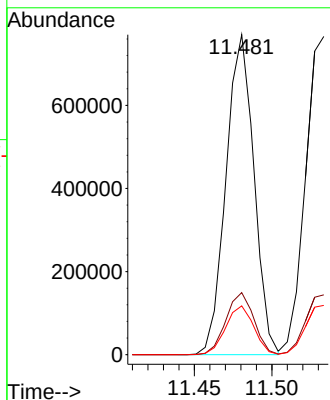
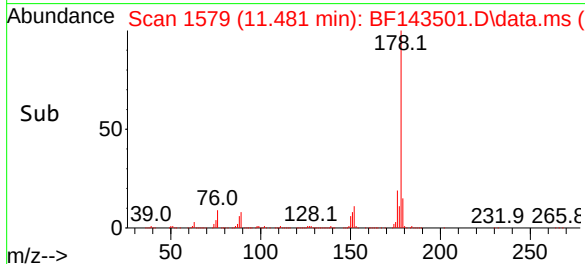
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



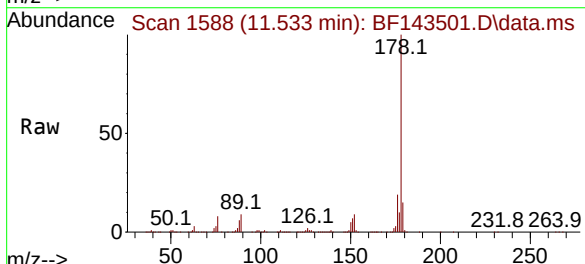
Tgt Ion:178 Resp: 96690
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.5 18.7

Manual Integrations
APPROVED

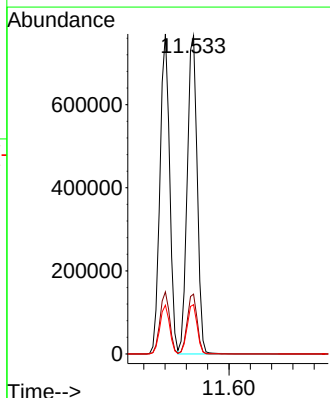
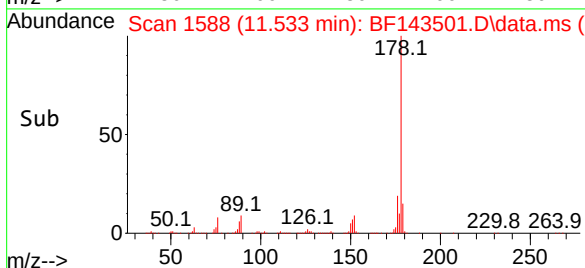
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

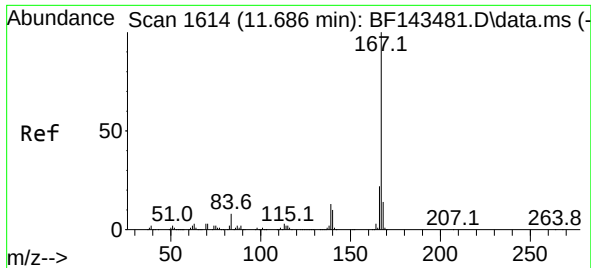


#72
Anthracene
Concen: 47.262 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



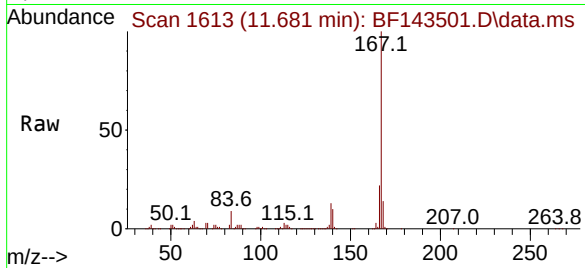
Tgt Ion:178 Resp: 995006
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.5 12.3 18.5





#73
 Carbazole
 Concen: 46.956 ng
 RT: 11.681 min Scan# 1613
 Delta R.T. -0.006 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

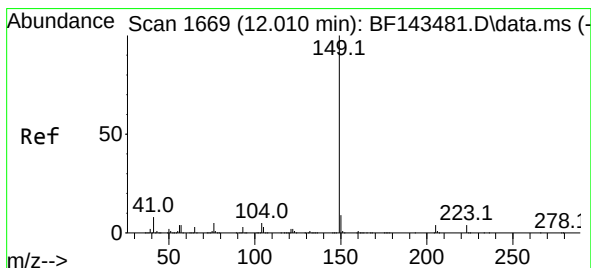
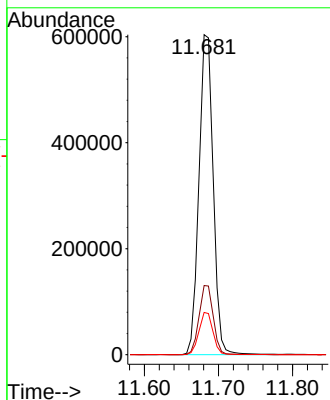
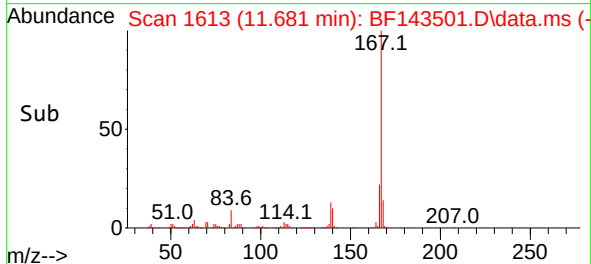
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD



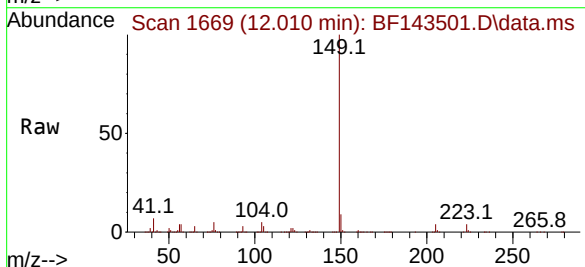
Tgt Ion:167 Resp: 810034
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.3 25.9
 139 13.2 10.0 15.0

Manual Integrations
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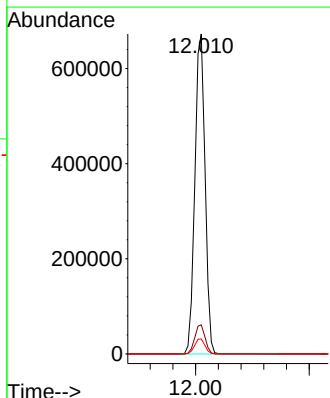
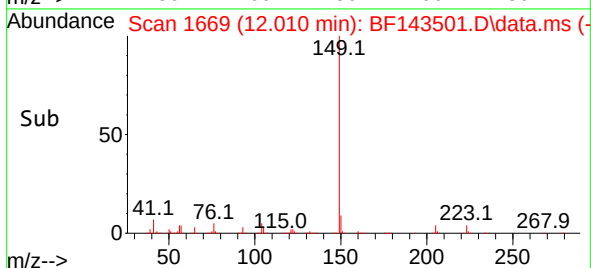
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

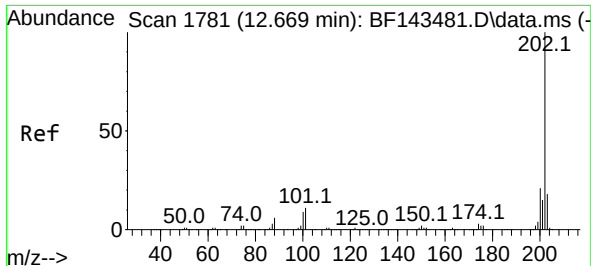


#74
 Di-n-butylphthalate
 Concen: 52.386 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. 0.000 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32



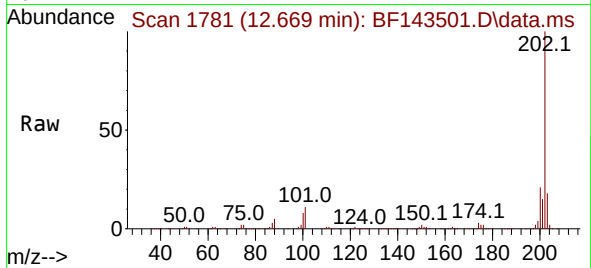
Tgt Ion:149 Resp: 843046
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.2 10.8
 104 4.7 3.6 5.4





#75
Fluoranthene
Concen: 45.633 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

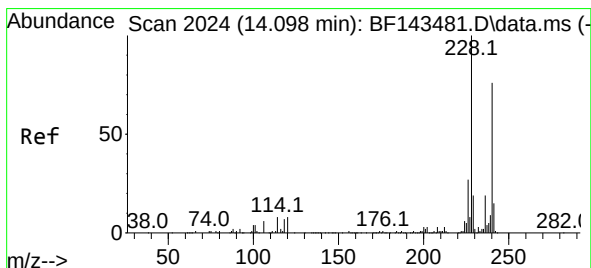
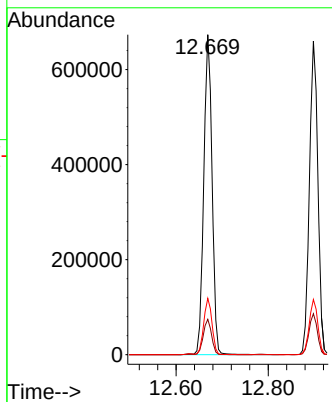
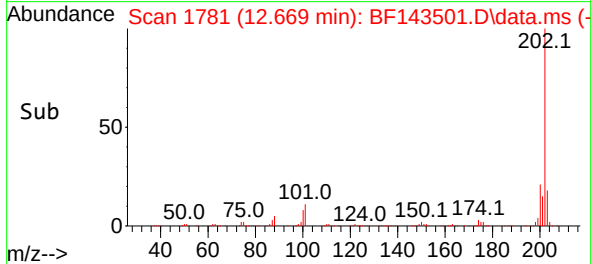
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



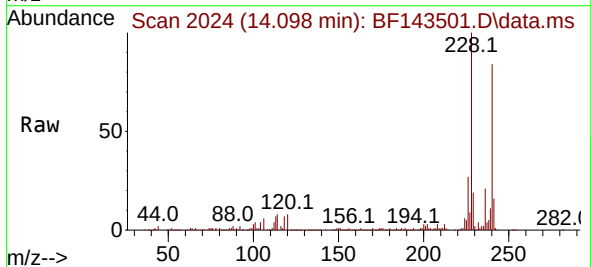
Tgt Ion:202 Resp: 850940
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 17.6 0.0 37.9

Manual Integrations
APPROVED

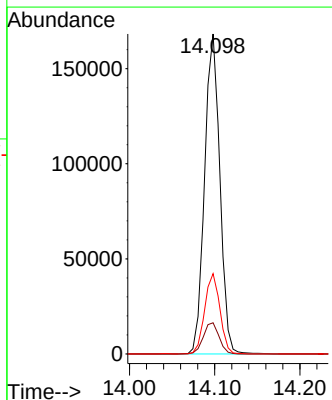
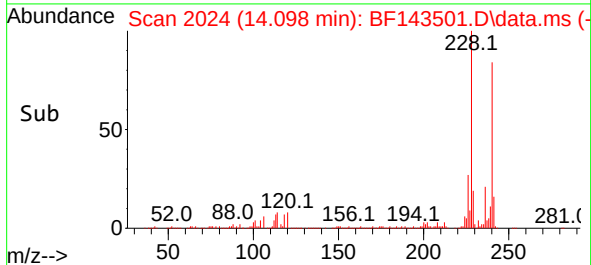
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

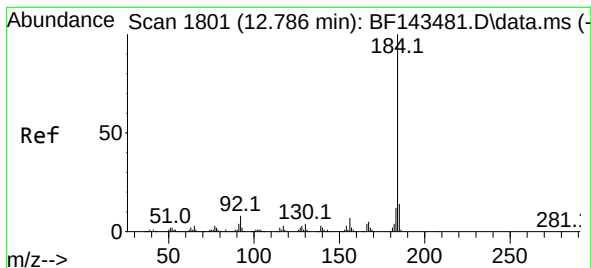


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



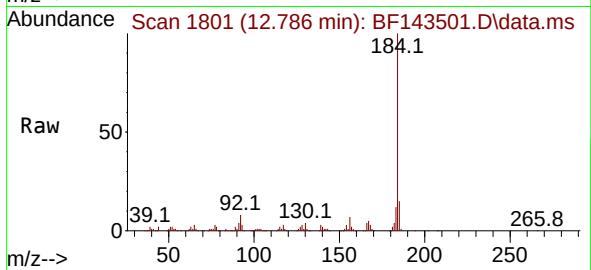
Tgt Ion:240 Resp: 209415
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.1 20.4 30.6





#77
Benzidine
Concen: 41.464 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

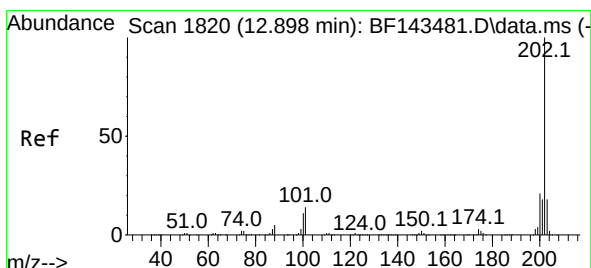
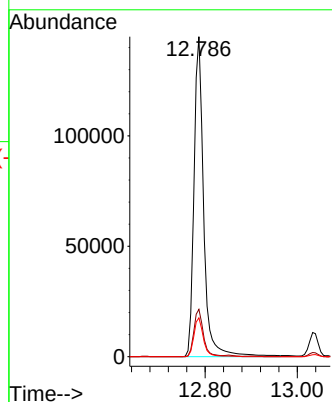
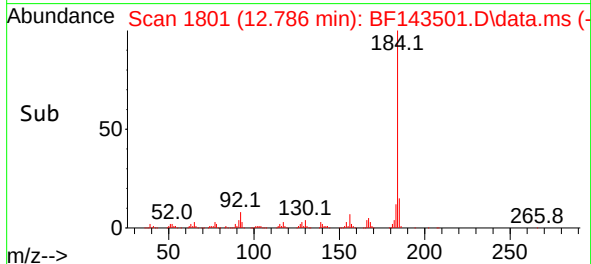
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



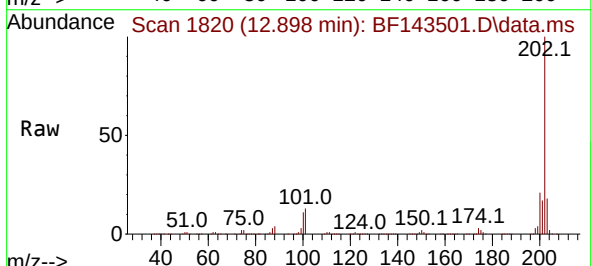
Tgt Ion:184 Resp: 211509
Ion Ratio Lower Upper
184 100
185 14.8 11.3 16.9
183 12.2 9.5 14.3

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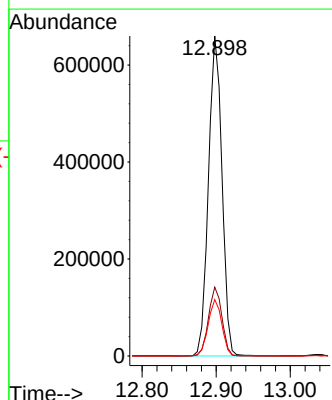
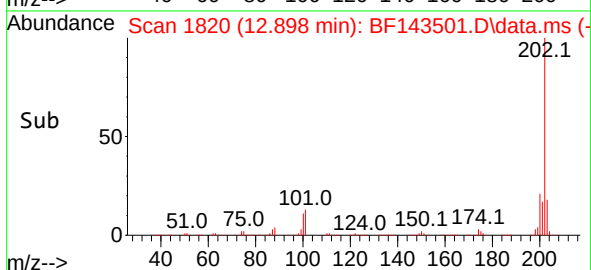
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

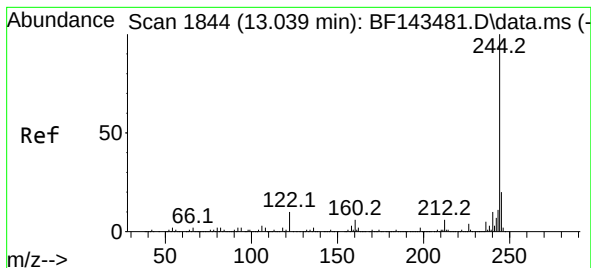


#78
Pyrene
Concen: 48.580 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:202 Resp: 836842
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 96.089 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143501.D

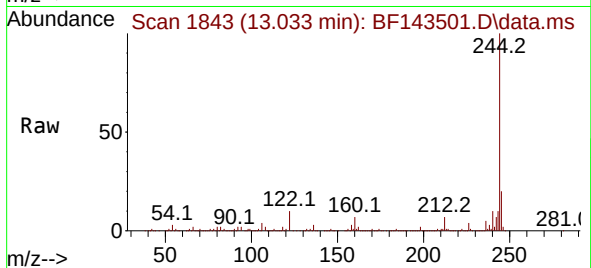
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD



Tgt Ion:244 Resp: 115312

Ion Ratio Lower Upper

244 100

212 7.0 5.2 7.8

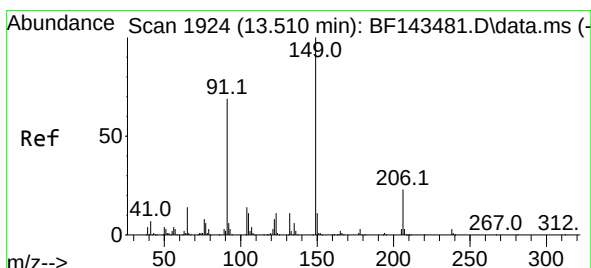
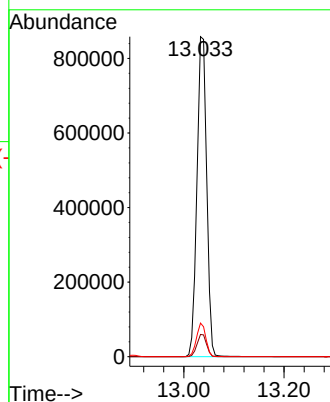
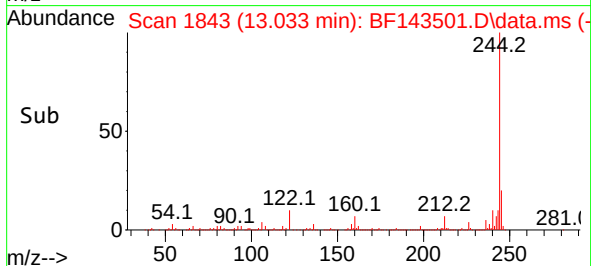
122 10.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#80

Butylbenzylphthalate

Concen: 51.418 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

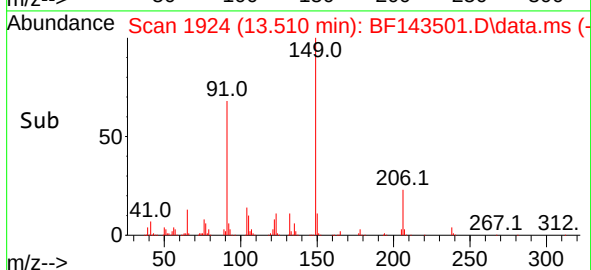
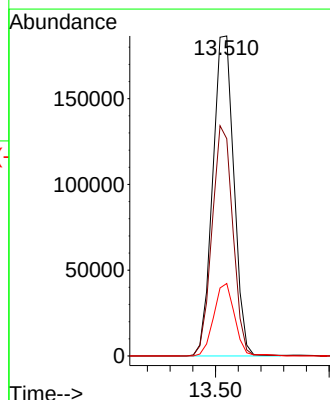
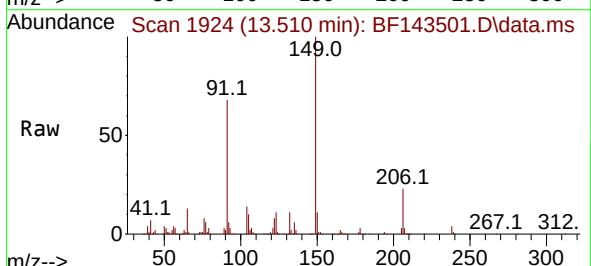
Tgt Ion:149 Resp: 241965

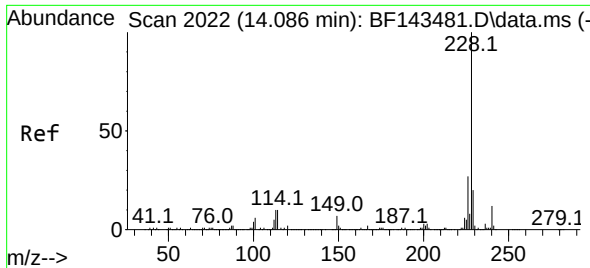
Ion Ratio Lower Upper

149 100

91 67.9 55.3 82.9

206 22.6 18.2 27.4





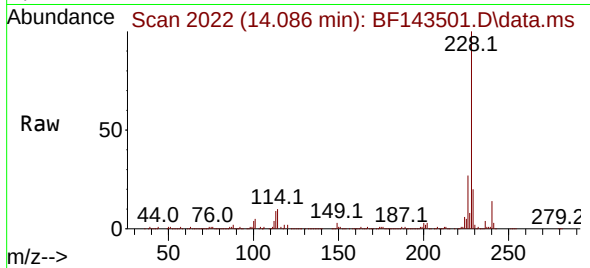
#81
Benzo(a)anthracene
Concen: 47.400 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

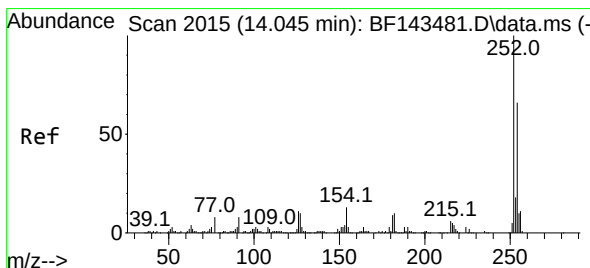
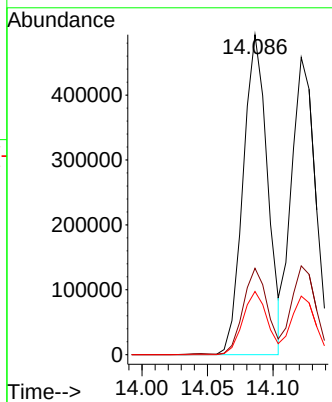
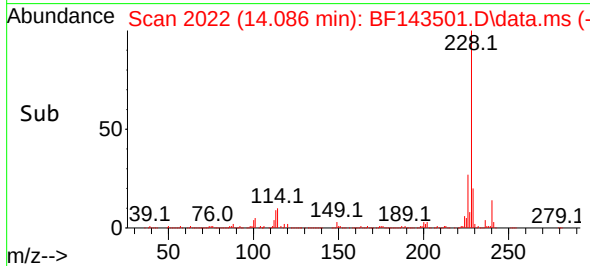
PB169223BSD



Tgt Ion:228 Resp: 63905
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.7 15.7 23.5

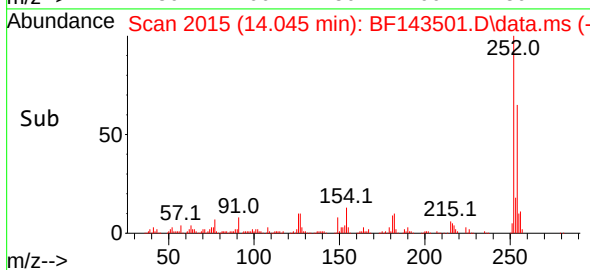
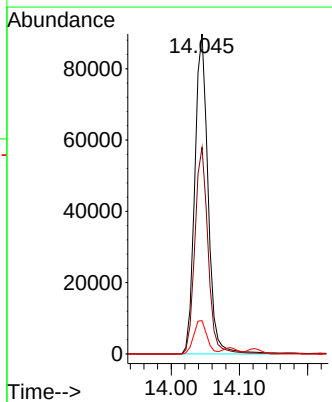
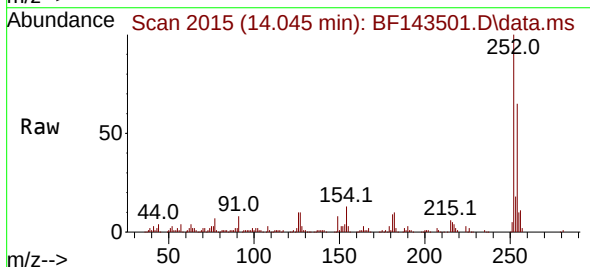
Manual Integrations
APPROVED

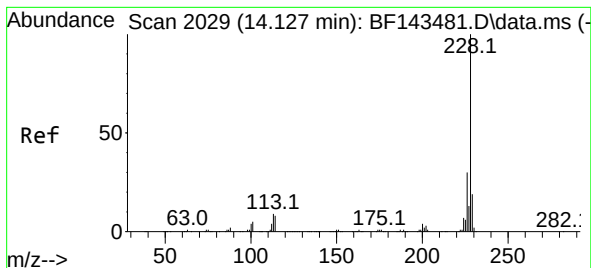
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#82
3,3'-Dichlorobenzidine
Concen: 31.480 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:252 Resp: 121546
Ion Ratio Lower Upper
252 100
254 64.5 52.6 79.0
126 10.4 8.7 13.1





#83

Chrysene

Concen: 48.189 ng

RT: 14.122 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF143501.D

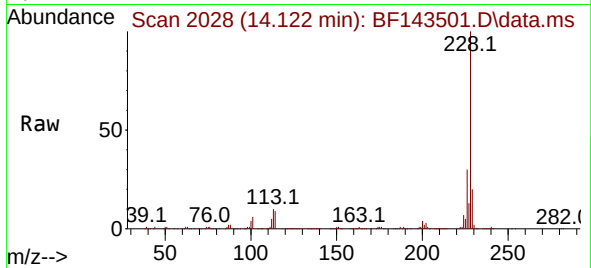
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD



Tgt Ion:228 Resp: 58386

Ion Ratio Lower Upper

228 100

226 29.9 23.7 35.5

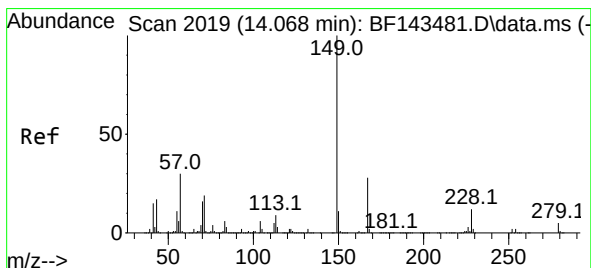
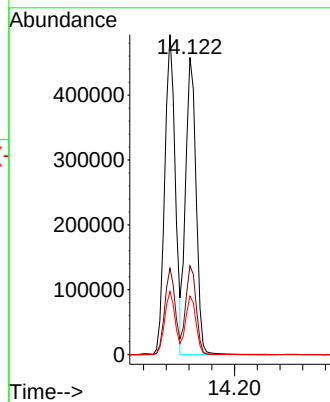
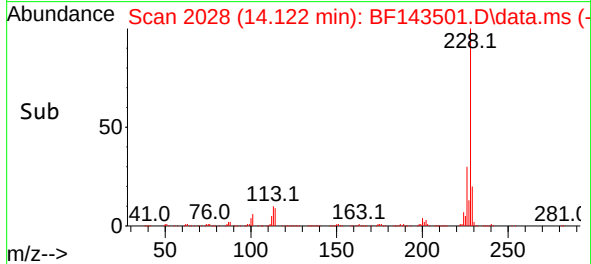
229 19.7 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.243 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

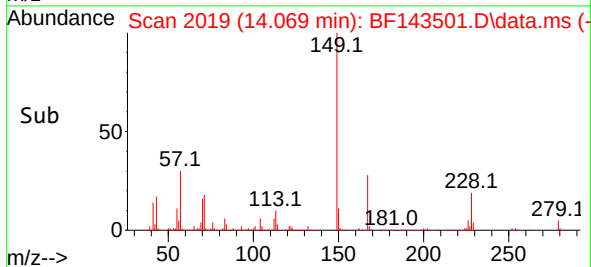
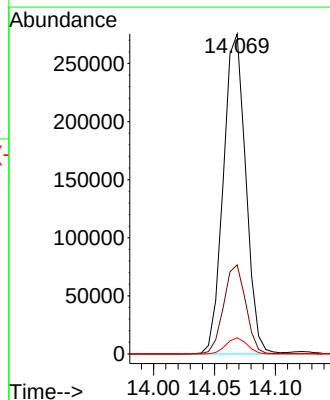
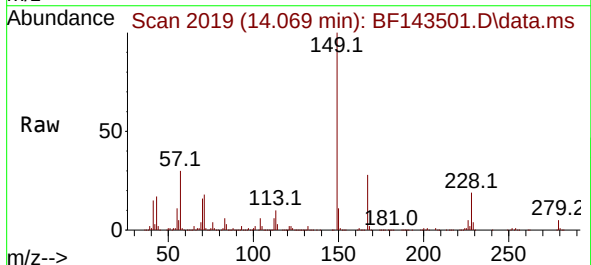
Tgt Ion:149 Resp: 352942

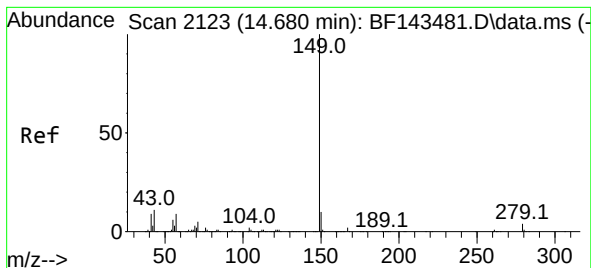
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.2

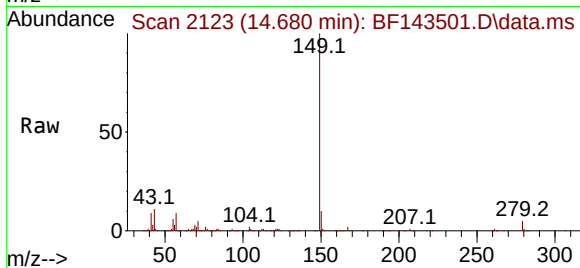
279 5.1 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 49.606 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

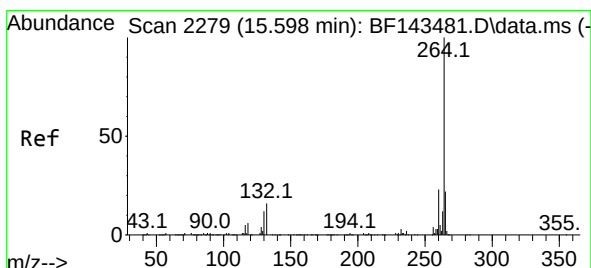
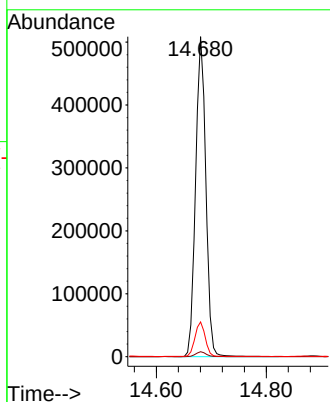
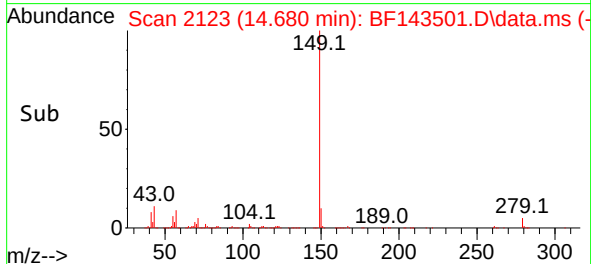
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



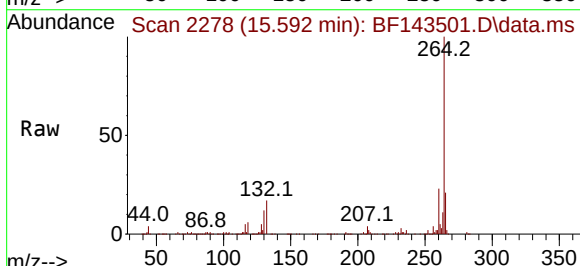
Tgt Ion:149 Resp: 658652
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.7 8.5 12.7

Manual Integrations
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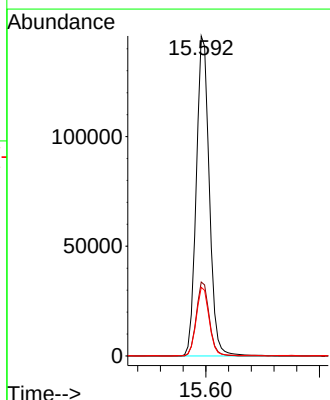
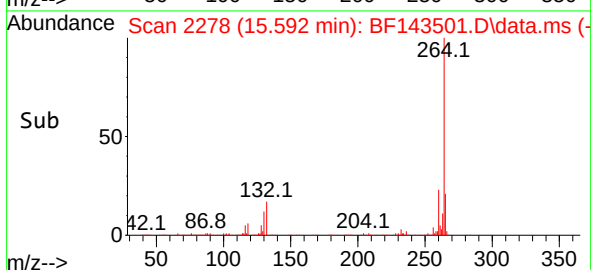
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

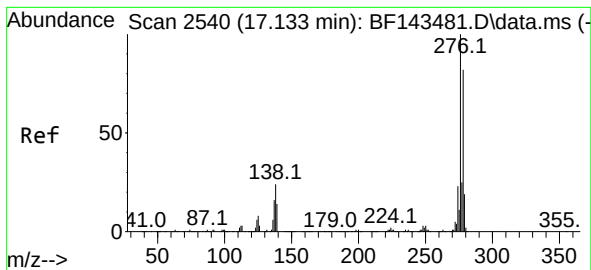


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



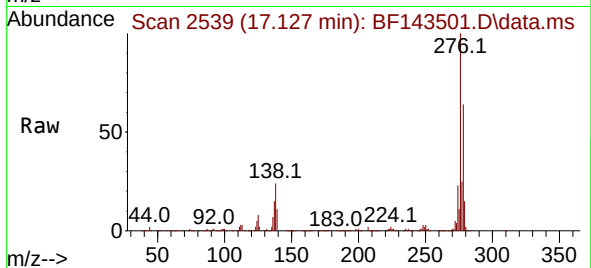
Tgt Ion:264 Resp: 232706
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.5 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.420 ng
RT: 17.127 min Scan# 2539
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

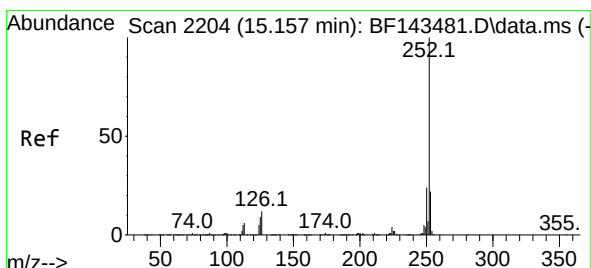
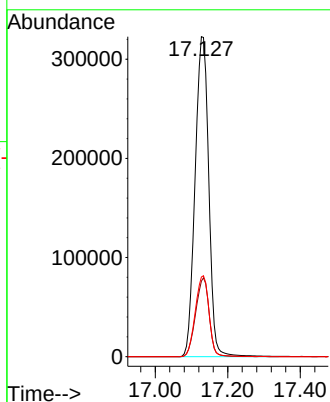
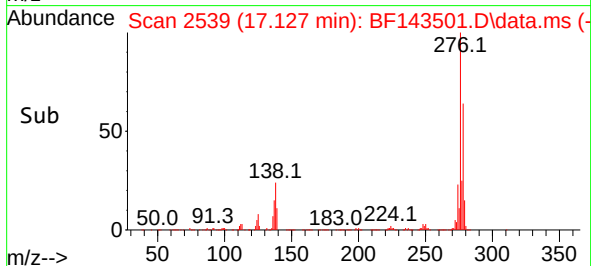
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



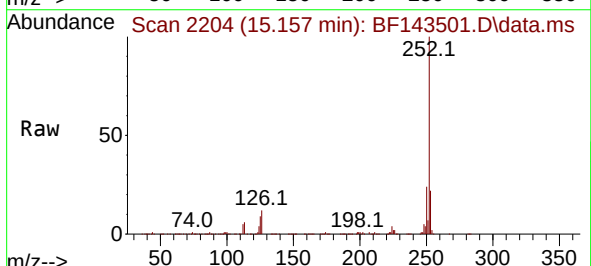
Tgt Ion: 276 Resp: 843139
Ion Ratio Lower Upper
276 100
138 24.2 19.2 28.8
277 25.4 20.3 30.5

Manual Integrations
APPROVED

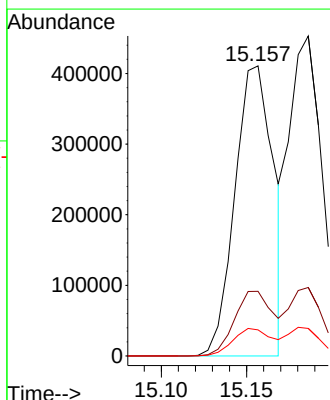
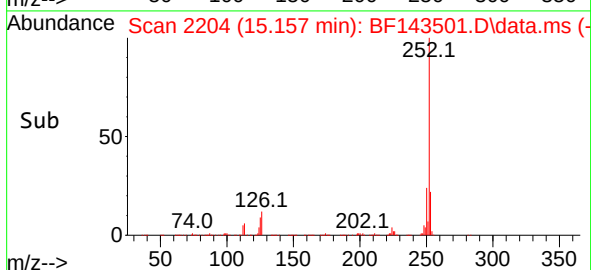
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

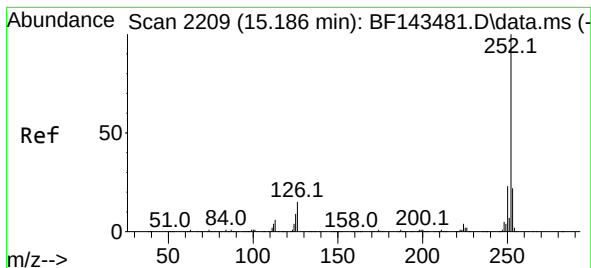


#88
Benzo(b)fluoranthene
Concen: 50.075 ng
RT: 15.157 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion: 252 Resp: 647733
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 9.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 49.893 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143501.D

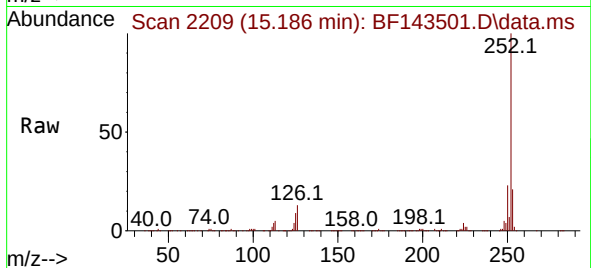
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD



Tgt Ion:252 Resp: 617920

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

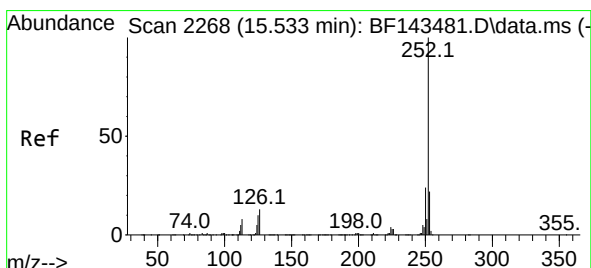
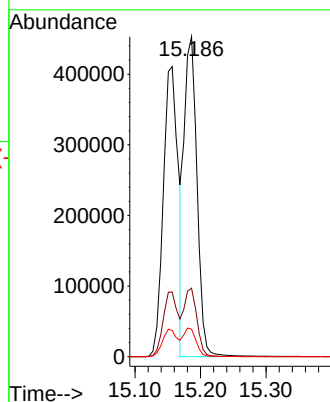
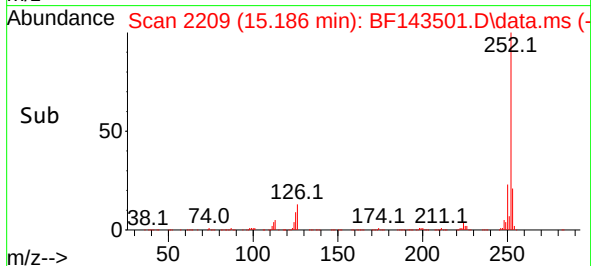
125 8.6 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#90

Benzo(a)pyrene

Concen: 51.830 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

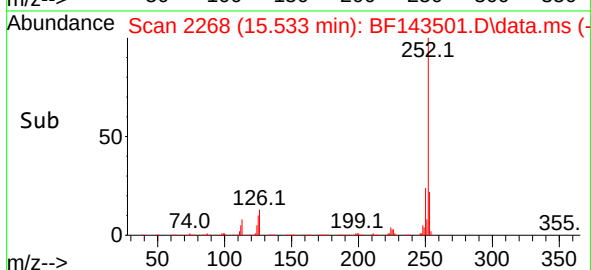
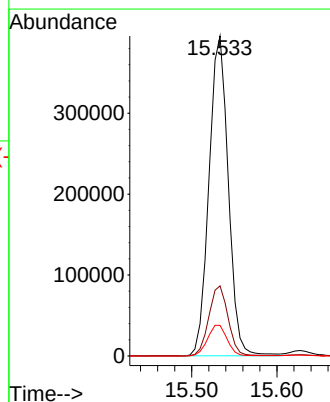
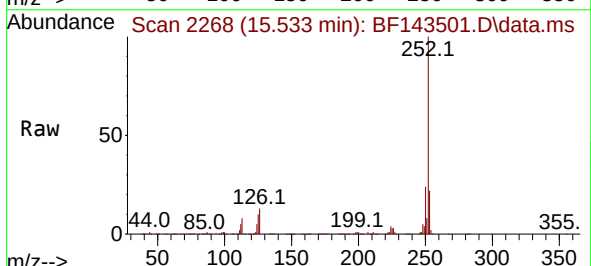
Tgt Ion:252 Resp: 622315

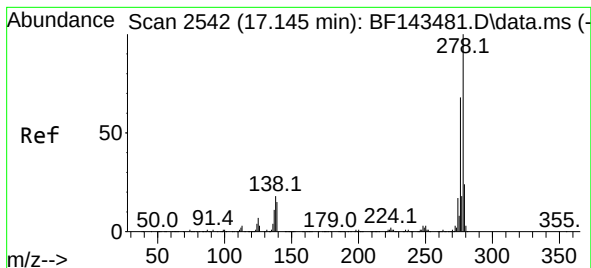
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.6 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 51.709 ng

RT: 17.139 min Scan# 2541

Delta R.T. -0.018 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

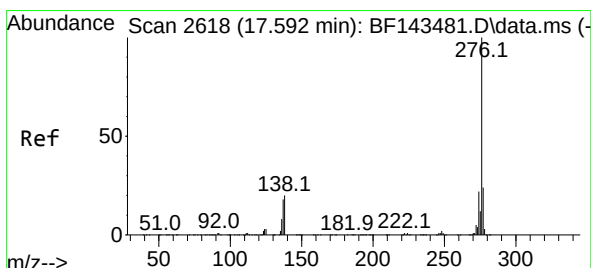
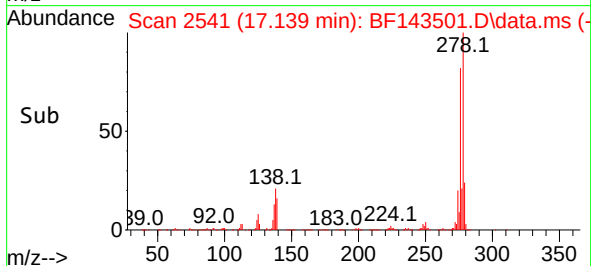
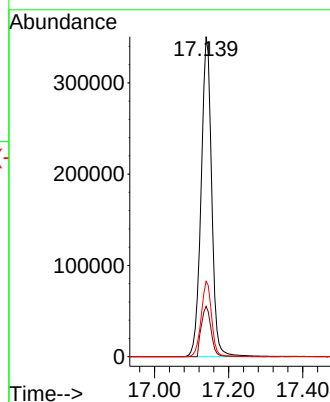
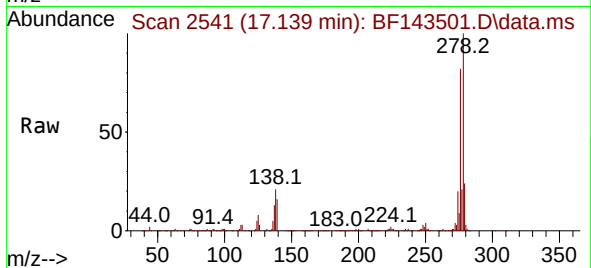
Tgt Ion:278 Resp: 69251
 Ion Ratio Lower Upper
 278 100
 139 15.8 12.1 18.1
 279 23.6 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#92

Benzo(g,h,i)perylene

Concen: 51.981 ng

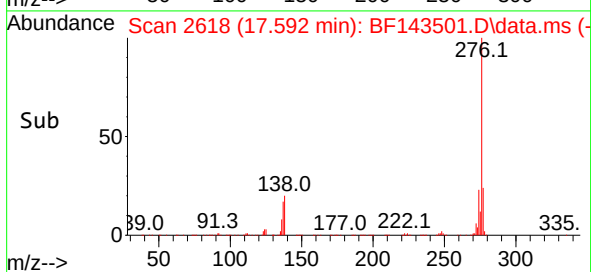
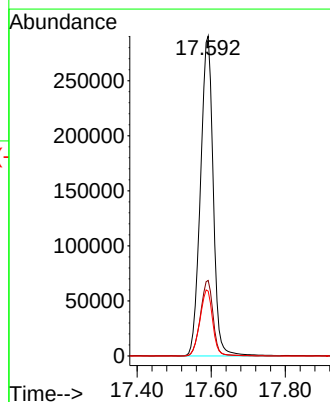
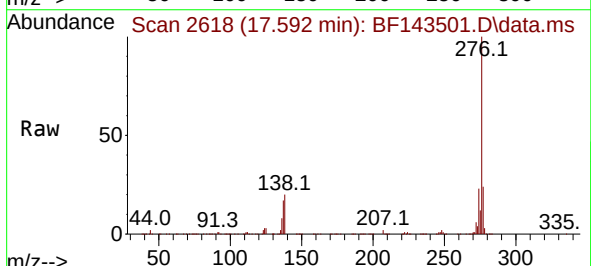
RT: 17.592 min Scan# 2618

Delta R.T. -0.012 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Tgt Ion:276 Resp: 692232
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.9 28.3
 138 20.3 16.3 24.5



Manual Integration Report

Sequence:	BF081225	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF143345.D	Benzoic acid	Rahul	8/13/2025 8:58:28 AM	Jagrut	8/13/2025 11:10:31 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bf081425	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143377.D	2,4-Dimethylphenol	Rahul	8/15/2025 9:32:33 AM	Jagrut	8/15/2025 2:48:38 PM	Peak Integrated by Software
SSTDCCC040	BF143397.D	2,4-Dimethylphenol	Rahul	8/15/2025 9:32:42 AM	Jagrut	8/15/2025 2:48:42 PM	Peak Integrated by Software
SSTDCCC040	BF143399.D	2,4-Dimethylphenol	Rahul	8/15/2025 1:27:37 PM	Jagrut	8/15/2025 2:48:43 PM	Peak Integrated by Software
SSTDCCC040	BF143414.D	2,4-Dimethylphenol	Rahul	8/15/2025 1:27:26 PM	Jagrut	8/15/2025 2:48:56 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF082025	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169223BS	BF143500.D	Caprolactam	Rahul	8/21/2025 8:37:00 AM	Jagrut	8/21/2025 11:02:08 AM	Peak Integrated by Software
PB169223BSD	BF143501.D	Caprolactam	Rahul	8/21/2025 8:37:02 AM	Jagrut	8/21/2025 11:02:10 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BF082125	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025393.D	Acenaphthene	Rahul	8/15/2025 9:34:57 AM	Jagrut	8/15/2025 12:49:22 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Acenaphthene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzaldehyde	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzoic acid	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Acenaphthene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Benzoic acid	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICCC040	BP025396.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:47 AM	Jagrut	8/15/2025 12:49:30 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Benzo(g,h,i)perylene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC080	BP025399.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:40 AM	Jagrut	8/15/2025 12:49:36 PM	Peak Integrated by Software
SSTDICV040	BP025400.D	Acenaphthene	Rahul	8/15/2025 9:34:38 AM	Jagrut	8/15/2025 12:49:39 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025403.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:33 AM	Jagrut	8/15/2025 12:49:44 PM	Peak Integrated by Software
SSTDCCC040	BP025405.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:31 AM	Jagrut	8/15/2025 12:49:46 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Acenaphthene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BP081525	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025422.D	Acenaphthene	Rahul	8/18/2025 8:33:34 AM	Jagrut	8/18/2025 8:42:26 AM	Peak Integrated by Software
SSTDCCC040	BP025436.D	Acenaphthene	Rahul	8/18/2025 8:33:44 AM	Jagrut	8/18/2025 8:42:33 AM	Peak Integrated by Software
SSTDCCC040	BP025438.D	Acenaphthene	Rahul	8/18/2025 8:33:47 AM	Jagrut	8/18/2025 8:42:35 AM	Peak Integrated by Software
SSTDCCC040	BP025438.D	Benzo(g,h,i)perylene	Rahul	8/18/2025 8:33:47 AM	Jagrut	8/18/2025 8:42:35 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bp082025	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025504.D	Benzoic acid	Rahul	8/21/2025 2:05:22 PM	mohammad	8/22/2025 8:27:03 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM
SubDirectory	BF081225	HP Acquire Method	BNA_F
		HP Processing Method	bf081225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143342.D	12 Aug 2025 08:34	RC/JU	Ok
2	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03	RC/JU	Ok
3	SSTDICC005	BF143344.D	12 Aug 2025 09:34	RC/JU	Ok
4	SSTDICC010	BF143345.D	12 Aug 2025 10:04	RC/JU	Ok,M
5	SSTDICC020	BF143346.D	12 Aug 2025 10:35	RC/JU	Ok
6	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	RC/JU	Ok
7	SSTDICC050	BF143348.D	12 Aug 2025 11:37	RC/JU	Ok
8	SSTDICC060	BF143349.D	12 Aug 2025 12:07	RC/JU	Ok
9	SSTDICC080	BF143350.D	12 Aug 2025 12:38	RC/JU	Ok
10	SSTDICV040	BF143351.D	12 Aug 2025 13:52	RC/JU	Ok
11	PB169189BL	BF143352.D	12 Aug 2025 14:22	RC/JU	Ok
12	PB169189BS	BF143353.D	12 Aug 2025 14:53	RC/JU	Ok,M
13	Q2807-02	BF143354.D	12 Aug 2025 15:33	RC/JU	Ok,M
14	Q2807-01	BF143355.D	12 Aug 2025 16:02	RC/JU	Ok
15	Q2807-03	BF143356.D	12 Aug 2025 16:32	RC/JU	Ok,M
16	Q2807-03MS	BF143357.D	12 Aug 2025 17:02	RC/JU	Ok
17	Q2807-03MSD	BF143358.D	12 Aug 2025 17:32	RC/JU	Ok,M
18	Q2830-07	BF143359.D	12 Aug 2025 18:02	RC/JU	Ok
19	Q2830-01	BF143360.D	12 Aug 2025 18:32	RC/JU	Ok
20	Q2830-03	BF143361.D	12 Aug 2025 19:02	RC/JU	Ok
21	Q2830-05	BF143362.D	12 Aug 2025 19:32	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2831-01	BF143363.D	12 Aug 2025 20:02	RC/JU	Ok,M
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M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM
SubDirectory	BF081425	HP Acquire Method	BNA_F
		HP Processing Method	bf081225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143376.D	14 Aug 2025 11:55	RC/JU	Ok
2	SSTDCCC040	BF143377.D	14 Aug 2025 12:55	RC/JU	Ok,M
3	PB169223BL	BF143378.D	14 Aug 2025 13:25	RC/JU	Ok
4	Q2814-01	BF143379.D	14 Aug 2025 13:55	RC/JU	Ok
5	Q2814-02	BF143380.D	14 Aug 2025 14:25	RC/JU	Ok
6	Q2814-03	BF143381.D	14 Aug 2025 14:55	RC/JU	Ok
7	Q2814-04	BF143382.D	14 Aug 2025 15:26	RC/JU	Ok
8	Q2814-05	BF143383.D	14 Aug 2025 15:56	RC/JU	ReRun
9	Q2814-06	BF143384.D	14 Aug 2025 16:26	RC/JU	Ok
10	Q2814-20	BF143385.D	14 Aug 2025 16:55	RC/JU	ReRun
11	Q2814-08	BF143386.D	14 Aug 2025 17:26	RC/JU	Ok
12	Q2814-09	BF143387.D	14 Aug 2025 17:56	RC/JU	Ok
13	Q2814-10	BF143388.D	14 Aug 2025 18:26	RC/JU	Ok
14	Q2814-11	BF143389.D	14 Aug 2025 18:56	RC/JU	Ok
15	Q2814-12	BF143390.D	14 Aug 2025 19:26	RC/JU	Ok
16	Q2814-13	BF143391.D	14 Aug 2025 19:56	RC/JU	Ok
17	Q2814-14	BF143392.D	14 Aug 2025 20:26	RC/JU	Ok
18	Q2814-15	BF143393.D	14 Aug 2025 20:56	RC/JU	Ok
19	Q2814-17	BF143394.D	14 Aug 2025 21:26	RC/JU	ReRun
20	Q2814-18	BF143395.D	14 Aug 2025 21:56	RC/JU	Not Ok
21	Q2814-16	BF143396.D	14 Aug 2025 22:26	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM
SubDirectory	BF081425	HP Acquire Method	BNA_F
		HP Processing Method	bf081225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	SSTDCCC040	BF143397.D	14 Aug 2025 22:56	RC/JU	Ok,M
23	DFTPP	BF143398.D	15 Aug 2025 01:26	RC/JU	Ok
24	SSTDCCC040	BF143399.D	15 Aug 2025 03:54	RC/JU	Ok,M
25	PB169230BL	BF143400.D	15 Aug 2025 04:24	RC/JU	Ok
26	PB169230BS	BF143401.D	15 Aug 2025 04:53	RC/JU	Not Ok
27	PB169230BSD	BF143402.D	15 Aug 2025 05:23	RC/JU	Not Ok
28	Q2815-01	BF143403.D	15 Aug 2025 05:52	RC/JU	Ok
29	Q2815-02	BF143404.D	15 Aug 2025 06:22	RC/JU	Ok
30	Q2815-03	BF143405.D	15 Aug 2025 06:51	RC/JU	Ok
31	Q2815-04	BF143406.D	15 Aug 2025 07:20	RC/JU	Ok
32	Q2815-05	BF143407.D	15 Aug 2025 07:49	RC/JU	Ok
33	Q2815-06	BF143408.D	15 Aug 2025 08:18	RC/JU	Ok
34	Q2815-07	BF143409.D	15 Aug 2025 08:48	RC/JU	Ok
35	Q2815-08	BF143410.D	15 Aug 2025 09:17	RC/JU	ReRun
36	Q2815-09	BF143411.D	15 Aug 2025 09:46	RC/JU	Ok
37	Q2858-01	BF143412.D	15 Aug 2025 10:16	RC/JU	Dilution
38	Q2858-01DL	BF143413.D	15 Aug 2025 10:48	RC/JU	Ok,M
39	SSTDCCC040	BF143414.D	15 Aug 2025 12:45	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM
SubDirectory	BF082025	HP Acquire Method	BNA_F
		HP Processing Method	bf082025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143476.D	20 Aug 2025 10:26	RC/JU	Ok
2	SSTDICC2.5	BF143477.D	20 Aug 2025 10:55	RC/JU	Ok
3	SSTDICC005	BF143478.D	20 Aug 2025 11:25	RC/JU	Ok
4	SSTDICC010	BF143479.D	20 Aug 2025 11:54	RC/JU	Ok
5	SSTDICC020	BF143480.D	20 Aug 2025 12:23	RC/JU	Ok
6	SSTDICCC040	BF143481.D	20 Aug 2025 12:53	RC/JU	Ok
7	SSTDICC050	BF143482.D	20 Aug 2025 13:22	RC/JU	Ok
8	SSTDICC060	BF143483.D	20 Aug 2025 13:51	RC/JU	Ok
9	SSTDICC080	BF143484.D	20 Aug 2025 14:20	RC/JU	Ok
10	SSTDICV040	BF143485.D	20 Aug 2025 15:16	RC/JU	Ok
11	PB169299BL	BF143486.D	20 Aug 2025 15:46	RC/JU	Ok
12	PB169299BS	BF143487.D	20 Aug 2025 16:15	RC/JU	Not Ok
13	PB169313BS	BF143488.D	20 Aug 2025 16:44	RC/JU	Not Ok
14	PB169313BSD	BF143489.D	20 Aug 2025 17:13	RC/JU	Not Ok
15	Q2892-12	BF143490.D	20 Aug 2025 17:43	RC/JU	Ok
16	Q2892-10	BF143491.D	20 Aug 2025 18:12	RC/JU	Ok
17	Q2892-10MS	BF143492.D	20 Aug 2025 18:41	RC/JU	Ok,M
18	Q2892-10MSD	BF143493.D	20 Aug 2025 19:10	RC/JU	Ok,M
19	Q2900-06	BF143494.D	20 Aug 2025 19:39	RC/JU	Ok
20	Q2900-07	BF143495.D	20 Aug 2025 20:08	RC/JU	Ok
21	Q2900-04	BF143496.D	20 Aug 2025 20:37	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM
SubDirectory	BF082025	HP Acquire Method	BNA_F
		HP Processing Method	bf082025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	DFTPP	BF143497.D	20 Aug 2025 21:36	RC/JU	Ok
23	SSTDCCC040	BF143498.D	20 Aug 2025 22:05	RC/JU	Ok
24	PB169313BL	BF143499.D	20 Aug 2025 22:34	RC/JU	Not Ok
25	PB169223BS	BF143500.D	20 Aug 2025 23:03	RC/JU	Ok,M
26	PB169223BSD	BF143501.D	20 Aug 2025 23:32	RC/JU	Ok,M
27	Q2815-12	BF143502.D	21 Aug 2025 00:00	RC/JU	Ok
28	Q2900-01	BF143503.D	21 Aug 2025 00:29	RC/JU	Ok
29	Q2819-20	BF143504.D	21 Aug 2025 00:58	RC/JU	Ok
30	Q2819-14	BF143505.D	21 Aug 2025 01:27	RC/JU	Ok
31	Q2819-15	BF143506.D	21 Aug 2025 01:56	RC/JU	Ok
32	Q2819-18	BF143507.D	21 Aug 2025 02:25	RC/JU	Ok
33	Q2819-19	BF143508.D	21 Aug 2025 02:54	RC/JU	Ok
34	Q2892-06	BF143509.D	21 Aug 2025 03:23	RC/JU	Ok
35	Q2892-08	BF143510.D	21 Aug 2025 03:52	RC/JU	Ok
36	Q2900-02	BF143511.D	21 Aug 2025 04:21	RC/JU	Dilution
37	Q2900-03	BF143512.D	21 Aug 2025 04:49	RC/JU	Dilution
38	Q2900-05	BF143513.D	21 Aug 2025 05:18	RC/JU	Dilution
39	Q2815-11	BF143514.D	21 Aug 2025 05:47	RC/JU	Ok
40	Q2815-08	BF143515.D	21 Aug 2025 06:15	RC/JU	Ok
41	SSTDCCC040	BF143516.D	21 Aug 2025 06:44	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM
SubDirectory	BF082125	HP Acquire Method	BNA_F
		HP Processing Method	bf082025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143517.D	21 Aug 2025 08:20	RC/JU	Ok
2	SSTDCCC040	BF143518.D	21 Aug 2025 09:21	RC/JU	Ok
3	PB169299BL	BF143519.D	21 Aug 2025 09:50	RC/JU	Ok
4	Q2820-24	BF143520.D	21 Aug 2025 10:20	RC/JU	Ok
5	Q2820-12	BF143521.D	21 Aug 2025 10:49	RC/JU	Ok
6	Q2900-02DL	BF143522.D	21 Aug 2025 11:18	RC/JU	Dilution
7	Q2900-03DL	BF143523.D	21 Aug 2025 11:47	RC/JU	Dilution
8	Q2900-05DL	BF143524.D	21 Aug 2025 12:17	RC/JU	Dilution
9	Q2819-07	BF143525.D	21 Aug 2025 12:46	RC/JU	Ok,M
10	Q2819-08	BF143526.D	21 Aug 2025 13:15	RC/JU	Ok,M
11	Q2900-02DL2	BF143527.D	21 Aug 2025 13:44	RC/JU	Ok
12	Q2900-03DL2	BF143528.D	21 Aug 2025 14:13	RC/JU	Ok
13	Q2900-05DL2	BF143529.D	21 Aug 2025 14:42	RC/JU	Ok
14	Q2819-10RE	BF143530.D	21 Aug 2025 15:11	RC/JU	Confirms
15	Q2819-11	BF143531.D	21 Aug 2025 15:40	RC/JU	Ok,M
16	Q2819-06	BF143532.D	21 Aug 2025 16:09	RC/JU	Ok
17	Q2819-01	BF143533.D	21 Aug 2025 16:38	RC/JU	Ok,M
18	Q2814-07	BF143534.D	21 Aug 2025 17:07	RC/JU	Ok
19	Q2815-15	BF143535.D	21 Aug 2025 17:36	RC/JU	Ok
20	Q2814-19	BF143536.D	21 Aug 2025 18:05	RC/JU	Ok
21	Q2819-13	BF143537.D	21 Aug 2025 18:34	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM
SubDirectory	BF082125	HP Acquire Method	BNA_F
		HP Processing Method	bf082025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2819-04RE	BF143538.D	21 Aug 2025 19:03	RC/JU	Confirms
23	SSTDCCC040	BF143539.D	21 Aug 2025 19:32	RC/JU	Ok
24	DFTPP	BF143540.D	21 Aug 2025 20:02	RC/JU	Ok
25	SSTDCCC040	BF143541.D	21 Aug 2025 21:00	RC/JU	Ok
26	PB169330BL	BF143542.D	21 Aug 2025 21:58	RC/JU	Not Ok
27	PB169330BS	BF143543.D	21 Aug 2025 22:27	RC/JU	Not Ok
28	Q2903-01	BF143544.D	21 Aug 2025 22:56	RC/JU	ReRun
29	Q2903-02	BF143545.D	21 Aug 2025 23:25	RC/JU	ReRun
30	Q2903-03	BF143546.D	21 Aug 2025 23:54	RC/JU	ReRun
31	Q2903-04	BF143547.D	22 Aug 2025 00:23	RC/JU	ReRun
32	Q2903-05MS	BF143548.D	22 Aug 2025 00:52	RC/JU	Not Ok
33	Q2903-06MSD	BF143549.D	22 Aug 2025 01:21	RC/JU	Not Ok
34	Q2903-07	BF143550.D	22 Aug 2025 01:51	RC/JU	ReRun
35	Q2903-08	BF143551.D	22 Aug 2025 02:19	RC/JU	ReRun
36	Q2903-09	BF143552.D	22 Aug 2025 02:49	RC/JU	ReRun
37	Q2903-10	BF143553.D	22 Aug 2025 03:18	RC/JU	ReRun
38	Q2903-11	BF143554.D	22 Aug 2025 03:46	RC/JU	Dilution
39	Q2903-12	BF143555.D	22 Aug 2025 04:16	RC/JU	ReRun
40	Q2915-01	BF143556.D	22 Aug 2025 04:45	RC/JU	ReRun
41	Q2915-01MS	BF143557.D	22 Aug 2025 05:14	RC/JU	Not Ok
42	Q2915-01MSD	BF143558.D	22 Aug 2025 05:43	RC/JU	Not Ok
43	Q2915-03	BF143559.D	22 Aug 2025 06:11	RC/JU	ReRun
44	Q2892-04	BF143560.D	22 Aug 2025 06:40	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM		
SubDirectory	BF082125	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13171,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

45	Q2892-02	BF143561.D	22 Aug 2025 07:09	RC/JU	ReRun
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M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025390.D	14 Aug 2025 10:30	CG/JU	Ok
2	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	CG/JU	Not Ok
3	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33	CG/JU	Ok
4	SSTDICC005	BP025393.D	14 Aug 2025 13:15	CG/JU	Ok,M
5	SSTDICC010	BP025394.D	14 Aug 2025 13:56	CG/JU	Ok,M
6	SSTDICC020	BP025395.D	14 Aug 2025 14:38	CG/JU	Ok,M
7	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	CG/JU	Ok,M
8	SSTDICC050	BP025397.D	14 Aug 2025 16:01	CG/JU	Ok,M
9	SSTDICC060	BP025398.D	14 Aug 2025 16:42	CG/JU	Ok
10	SSTDICC080	BP025399.D	14 Aug 2025 17:24	CG/JU	Ok,M
11	SSTDICV040	BP025400.D	14 Aug 2025 18:05	CG/JU	Ok,M
12	PB169200TB	BP025401.D	14 Aug 2025 19:28	CG/JU	Ok
13	PB169210BS	BP025402.D	14 Aug 2025 20:10	CG/JU	Ok,M
14	SSTDCCC040	BP025403.D	14 Aug 2025 20:51	CG/JU	Ok,M
15	DFTPP	BP025404.D	14 Aug 2025 22:14	CG/JU	Ok
16	SSTDCCC040	BP025405.D	14 Aug 2025 22:56	CG/JU	Ok,M
17	PB169228BL	BP025406.D	14 Aug 2025 23:37	CG/JU	Ok
18	PB169228BS	BP025407.D	15 Aug 2025 00:18	CG/JU	Ok,M
19	Q2820-10	BP025408.D	15 Aug 2025 01:00	CG/JU	Ok
20	Q2820-11	BP025409.D	15 Aug 2025 01:41	CG/JU	Ok
21	Q2820-21	BP025410.D	15 Aug 2025 02:22	CG/JU	ReRun

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2820-22	BP025411.D	15 Aug 2025 03:03	CG/JU	ReRun
23	Q2820-14	BP025412.D	15 Aug 2025 03:45	CG/JU	Ok
24	Q2820-16	BP025413.D	15 Aug 2025 04:26	CG/JU	Ok
25	Q2820-17	BP025414.D	15 Aug 2025 05:07	CG/JU	Ok
26	Q2820-17MS	BP025415.D	15 Aug 2025 05:48	CG/JU	Ok,M
27	Q2820-17MSD	BP025416.D	15 Aug 2025 06:29	CG/JU	Ok,M
28	Q2820-18	BP025417.D	15 Aug 2025 07:10	CG/JU	Ok
29	Q2820-19	BP025418.D	15 Aug 2025 07:51	CG/JU	ReRun
30	Q2820-20	BP025419.D	15 Aug 2025 08:32	CG/JU	ReRun
31	SSTDCCC040	BP025420.D	15 Aug 2025 09:13	CG/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM
SubDirectory	BP081525	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025421.D	15 Aug 2025 09:55	CG/JU	Ok
2	SSTDCCC040	BP025422.D	15 Aug 2025 10:36	CG/JU	Ok,M
3	PB169230BL	BP025423.D	15 Aug 2025 11:17	CG/JU	Ok
4	PB169230BS	BP025424.D	15 Aug 2025 11:59	CG/JU	Ok,M
5	PB169230BSD	BP025425.D	15 Aug 2025 13:26	CG/JU	Ok
6	Q2814-05RE	BP025426.D	15 Aug 2025 14:08	CG/JU	Confirms
7	Q2814-20	BP025427.D	15 Aug 2025 14:49	CG/JU	Ok
8	Q2814-11	BP025428.D	15 Aug 2025 15:31	CG/JU	Not Ok
9	Q2814-17	BP025429.D	15 Aug 2025 16:12	CG/JU	Ok
10	Q2814-18	BP025430.D	15 Aug 2025 16:54	CG/JU	ReRun
11	Q2827-05DL	BP025431.D	15 Aug 2025 17:35	CG/JU	Ok,M
12	Q2820-07RE	BP025432.D	15 Aug 2025 18:17	CG/JU	Confirms
13	Q2820-01RE	BP025433.D	15 Aug 2025 18:58	CG/JU	Confirms
14	Q2820-21RE	BP025434.D	15 Aug 2025 19:40	CG/JU	Confirms
15	Q2820-22RE	BP025435.D	15 Aug 2025 20:21	CG/JU	Confirms
16	SSTDCCC040	BP025436.D	15 Aug 2025 21:03	CG/JU	Ok,M
17	DFTPP	BP025437.D	15 Aug 2025 23:08	CG/JU	Ok
18	SSTDCCC040	BP025438.D	15 Aug 2025 23:49	CG/JU	Ok,M
19	PB169275BL	BP025439.D	16 Aug 2025 00:31	CG/JU	Ok
20	PB169275BS	BP025440.D	16 Aug 2025 01:13	CG/JU	Ok,M
21	Q2732-03	BP025441.D	16 Aug 2025 01:55	CG/JU	Ok

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM
SubDirectory	BP081525	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2836-03	BP025442.D	16 Aug 2025 02:37	CG/JU	Ok
23	Q2836-07	BP025443.D	16 Aug 2025 03:19	CG/JU	Ok
24	Q2836-11	BP025444.D	16 Aug 2025 04:00	CG/JU	Ok
25	Q2836-15	BP025445.D	16 Aug 2025 04:41	CG/JU	Ok
26	Q2838-04	BP025446.D	16 Aug 2025 05:22	CG/JU	Ok
27	Q2838-08	BP025447.D	16 Aug 2025 06:04	CG/JU	Ok
28	Q2832-02	BP025448.D	16 Aug 2025 06:45	CG/JU	Ok
29	Q2832-02MS	BP025449.D	16 Aug 2025 07:26	CG/JU	Ok,M
30	Q2832-02MSD	BP025450.D	16 Aug 2025 08:07	CG/JU	Ok,M
31	Q2832-04	BP025451.D	16 Aug 2025 08:48	CG/JU	Ok
32	Q2832-06	BP025452.D	16 Aug 2025 09:29	CG/JU	Ok
33	Q2832-08	BP025453.D	16 Aug 2025 10:11	CG/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM
SubDirectory	BP082025	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025503.D	20 Aug 2025 11:24	CG/JU	Ok
2	SSTDCCC040	BP025504.D	20 Aug 2025 12:05	CG/JU	Ok,M
3	PB169259BL	BP025505.D	20 Aug 2025 12:46	CG/JU	Not Ok
4	Q2888-01	BP025506.D	20 Aug 2025 13:30	CG/JU	Ok,M
5	Q2884-03	BP025507.D	20 Aug 2025 14:12	CG/JU	Ok
6	Q2884-01	BP025508.D	20 Aug 2025 14:53	CG/JU	Ok
7	Q2865-02	BP025509.D	20 Aug 2025 15:34	CG/JU	Ok,M
8	Q2889-01	BP025510.D	20 Aug 2025 16:15	CG/JU	Ok,M
9	DFTPP	BP025511.D	20 Aug 2025 17:04	CG/JU	Ok
10	SSTDCCC040	BP025512.D	20 Aug 2025 18:27	CG/JU	Ok
11	PB169259BL	BP025513.D	20 Aug 2025 19:08	CG/JU	Ok
12	PB169259BS	BP025514.D	20 Aug 2025 19:49	CG/JU	Ok
13	Q2819-03	BP025515.D	20 Aug 2025 20:30	CG/JU	Ok
14	Q2819-03MS	BP025516.D	20 Aug 2025 21:11	CG/JU	Ok,M
15	Q2819-03MSD	BP025517.D	20 Aug 2025 21:52	CG/JU	Ok,M
16	Q2819-09	BP025518.D	20 Aug 2025 22:32	CG/JU	Ok
17	Q2819-17	BP025519.D	20 Aug 2025 23:13	CG/JU	Ok
18	Q2819-17MS	BP025520.D	20 Aug 2025 23:54	CG/JU	Ok,M
19	Q2819-17MSD	BP025521.D	21 Aug 2025 00:35	CG/JU	Ok,M
20	Q2814-18RE	BP025522.D	21 Aug 2025 01:15	CG/JU	Confirms
21	Q2820-23	BP025523.D	21 Aug 2025 01:56	CG/JU	Ok

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM
SubDirectory	BP082025	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2819-02	BP025524.D	21 Aug 2025 02:37	CG/JU	Ok
23	Q2815-10	BP025525.D	21 Aug 2025 03:18	CG/JU	Ok
24	SSTDCCC040	BP025526.D	21 Aug 2025 03:59	CG/JU	Ok
25	DFTPP	BP025527.D	21 Aug 2025 06:01	CG/JU	Ok
26	SSTDCCC040	BP025528.D	21 Aug 2025 06:42	CG/JU	Ok
27	PB169285BL	BP025529.D	21 Aug 2025 07:23	CG/JU	Ok
28	PB169285BS	BP025530.D	21 Aug 2025 08:03	CG/JU	Ok,M
29	Q2873-01	BP025531.D	21 Aug 2025 08:44	CG/JU	Ok
30	Q2873-01MS	BP025532.D	21 Aug 2025 09:25	CG/JU	Ok,M
31	Q2873-01MSD	BP025533.D	21 Aug 2025 10:06	CG/JU	Ok,M
32	Q2819-10	BP025534.D	21 Aug 2025 10:50	CG/JU	ReRun
33	Q2819-11	BP025535.D	21 Aug 2025 11:31	CG/JU	ReRun
34	Q2819-12	BP025536.D	21 Aug 2025 12:12	CG/JU	Ok
35	Q2832-09	BP025537.D	21 Aug 2025 12:53	CG/JU	Ok
36	Q2897-01	BP025538.D	21 Aug 2025 13:34	CG/JU	Ok,M
37	Q2819-04	BP025539.D	21 Aug 2025 14:15	CG/JU	ReRun
38	Q2819-16	BP025540.D	21 Aug 2025 14:56	CG/JU	Ok
39	Q2820-15	BP025541.D	21 Aug 2025 15:37	CG/JU	Ok
40	SSTDCCC040	BP025542.D	21 Aug 2025 17:11	CG/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM
SubDirectory	BF081225	HP Acquire Method	BNA_F
		HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143342.D	12 Aug 2025 08:34		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143344.D	12 Aug 2025 09:34		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143345.D	12 Aug 2025 10:04		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143346.D	12 Aug 2025 10:35		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	Compound #26,41,48,51,56,57,65,70,80,84, 85 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143348.D	12 Aug 2025 11:37	Compound #32,54 kept on QR	RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143349.D	12 Aug 2025 12:07		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143350.D	12 Aug 2025 12:38	Compound#09 removed from 80 ppm	RC/JU	Ok
10	SSTDICV040	ICVBF081225	BF143351.D	12 Aug 2025 13:52		RC/JU	Ok
11	PB169189BL	PB169189BL	BF143352.D	12 Aug 2025 14:22		RC/JU	Ok
12	PB169189BS	PB169189BS	BF143353.D	12 Aug 2025 14:53	Compound#44,51,59,62,74 failing high	RC/JU	Ok,M
13	Q2807-02	COMP-5	BF143354.D	12 Aug 2025 15:33		RC/JU	Ok,M
14	Q2807-01	COMP-4	BF143355.D	12 Aug 2025 16:02		RC/JU	Ok
15	Q2807-03	COMP-6	BF143356.D	12 Aug 2025 16:32		RC/JU	Ok,M
16	Q2807-03MS	COMP-6MS	BF143357.D	12 Aug 2025 17:02		RC/JU	Ok
17	Q2807-03MSD	COMP-6MSD	BF143358.D	12 Aug 2025 17:32		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13170,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2830-07	BIN0009-DRIVEWAY-T	BF143359.D	12 Aug 2025 18:02		RC/JU	Ok
19	Q2830-01	BIN0009-DRIVEWAY-T	BF143360.D	12 Aug 2025 18:32		RC/JU	Ok
20	Q2830-03	BIN0009-DRIVEWAY-T	BF143361.D	12 Aug 2025 19:02		RC/JU	Ok
21	Q2830-05	BIN0009-DRIVEWAY-T	BF143362.D	12 Aug 2025 19:32		RC/JU	Ok
22	Q2831-01	VNJ-238	BF143363.D	12 Aug 2025 20:02		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM
SubDirectory	BF081425	HP Acquire Method	BNA_F
		HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143376.D	14 Aug 2025 11:55		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143377.D	14 Aug 2025 12:55		RC/JU	Ok,M
3	PB169223BL	PB169223BL	BF143378.D	14 Aug 2025 13:25		RC/JU	Ok
4	Q2814-01	TW-84SB-E	BF143379.D	14 Aug 2025 13:55		RC/JU	Ok
5	Q2814-02	TW-17M-N	BF143380.D	14 Aug 2025 14:25		RC/JU	Ok
6	Q2814-03	TW-17M-W	BF143381.D	14 Aug 2025 14:55		RC/JU	Ok
7	Q2814-04	TW-82H-N	BF143382.D	14 Aug 2025 15:26		RC/JU	Ok
8	Q2814-05	TW-82H-E	BF143383.D	14 Aug 2025 15:56	Surrogate Fail	RC/JU	ReRun
9	Q2814-06	TW-82H-S	BF143384.D	14 Aug 2025 16:26		RC/JU	Ok
10	Q2814-20	TW-518R-W	BF143385.D	14 Aug 2025 16:55	Positive Hit for compound#84	RC/JU	ReRun
11	Q2814-08	TW-38M-E	BF143386.D	14 Aug 2025 17:26		RC/JU	Ok
12	Q2814-09	TW-38M-W	BF143387.D	14 Aug 2025 17:56		RC/JU	Ok
13	Q2814-10	TW-38M-N	BF143388.D	14 Aug 2025 18:26		RC/JU	Ok
14	Q2814-11	TW-38M-S	BF143389.D	14 Aug 2025 18:56		RC/JU	Ok
15	Q2814-12	TW-BP-S	BF143390.D	14 Aug 2025 19:26		RC/JU	Ok
16	Q2814-13	TW-BP-N	BF143391.D	14 Aug 2025 19:56		RC/JU	Ok
17	Q2814-14	TW-BP-E	BF143392.D	14 Aug 2025 20:26		RC/JU	Ok
18	Q2814-15	TW-BP-W	BF143393.D	14 Aug 2025 20:56		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM		
SubDirectory	BF081425	HP Acquire Method	BNA_F	HP Processing Method	bf081225
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2814-17	TW-518R-S	BF143394.D	14 Aug 2025 21:26	Positive Hit for compound#84	RC/JU	ReRun
20	Q2814-18	TW-518R-N	BF143395.D	14 Aug 2025 21:56	Positive Hit for compound#84	RC/JU	Not Ok
21	Q2814-16	FB	BF143396.D	14 Aug 2025 22:26		RC/JU	Ok
22	SSTDCCC040	SSTDCCC040EC	BF143397.D	14 Aug 2025 22:56		RC/JU	Ok,M
23	DFTPP	DFTPP	BF143398.D	15 Aug 2025 01:26		RC/JU	Ok
24	SSTDCCC040	SSTDCCC040	BF143399.D	15 Aug 2025 03:54		RC/JU	Ok,M
25	PB169230BL	PB169230BL	BF143400.D	15 Aug 2025 04:24		RC/JU	Ok
26	PB169230BS	PB169230BS	BF143401.D	15 Aug 2025 04:53	Bis(2-ethylhexyl)phthalate & Butylbenzylphthalate biased High in CCC.	RC/JU	Not Ok
27	PB169230BSD	PB169230BSD	BF143402.D	15 Aug 2025 05:23	Bis(2-ethylhexyl)phthalate & Butylbenzylphthalate biased High in CCC.	RC/JU	Not Ok
28	Q2815-01	TW-705R-S	BF143403.D	15 Aug 2025 05:52	Surrogates Failed.	RC/JU	Ok
29	Q2815-02	TW-10PC-W	BF143404.D	15 Aug 2025 06:22		RC/JU	Ok
30	Q2815-03	TW-10P-E	BF143405.D	15 Aug 2025 06:51		RC/JU	Ok
31	Q2815-04	TW-10P-S	BF143406.D	15 Aug 2025 07:20		RC/JU	Ok
32	Q2815-05	TW-10P-W	BF143407.D	15 Aug 2025 07:49		RC/JU	Ok
33	Q2815-06	TW-10P-N	BF143408.D	15 Aug 2025 08:18		RC/JU	Ok
34	Q2815-07	TW-88H-E	BF143409.D	15 Aug 2025 08:48		RC/JU	Ok
35	Q2815-08	TW-88H-N	BF143410.D	15 Aug 2025 09:17	Positive Hit for compound#84	RC/JU	ReRun
36	Q2815-09	TW-88H-W	BF143411.D	15 Aug 2025 09:46		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM		
SubDirectory	BF081425	HP Acquire Method	BNA_F	HP Processing Method	bf081225
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13170,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

37	Q2858-01	VNJ 216	BF143412.D	15 Aug 2025 10:16	Need 10X Dilution	RC/JU	Dilution
38	Q2858-01DL	VNJ 216DL	BF143413.D	15 Aug 2025 10:48		RC/JU	Ok,M
39	SSTDCCC040	SSTDCCC040EC	BF143414.D	15 Aug 2025 12:45		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM
SubDirectory	BF082025	HP Acquire Method	BNA_F
		HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143476.D	20 Aug 2025 10:26		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143477.D	20 Aug 2025 10:55		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143478.D	20 Aug 2025 11:25		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143479.D	20 Aug 2025 11:54		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF143480.D	20 Aug 2025 12:23	compounds #32,41,54 kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF143481.D	20 Aug 2025 12:53	Benzidine failed in the Calibration Method.	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143482.D	20 Aug 2025 13:22		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143483.D	20 Aug 2025 13:51		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143484.D	20 Aug 2025 14:20	Compound #9 revoved from 80PPM	RC/JU	Ok
10	SSTDICV040	ICVBF082025	BF143485.D	20 Aug 2025 15:16		RC/JU	Ok
11	PB169299BL	PB169299BL	BF143486.D	20 Aug 2025 15:46		RC/JU	Ok
12	PB169299BS	PB169299BS	BF143487.D	20 Aug 2025 16:15	Recovery is low for compound #3,3-Dichlorobenzidine	RC/JU	Not Ok
13	PB169313BS	PB169313BS	BF143488.D	20 Aug 2025 16:44	Benzidine failed in the Calibration Method.	RC/JU	Not Ok
14	PB169313BSD	PB169313BSD	BF143489.D	20 Aug 2025 17:13	Benzidine failed in the Calibration Method. ,Recovery is low for compound #3,3-Dichlorobenzidine	RC/JU	Not Ok
15	Q2892-12	FRONT-1-FLOOR-F	BF143490.D	20 Aug 2025 17:43		RC/JU	Ok
16	Q2892-10	3-FLOOR-SOUTH-E	BF143491.D	20 Aug 2025 18:12		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM		
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM		
SubDirectory	BF082025	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13171,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

17	Q2892-10MS	3-FLOOR-SOUTH-EMS	BF143492.D	20 Aug 2025 18:41		RC/JU	Ok,M
18	Q2892-10MSD	3-FLOOR-SOUTH-EMS	BF143493.D	20 Aug 2025 19:10		RC/JU	Ok,M
19	Q2900-06	MW-17C-081825	BF143494.D	20 Aug 2025 19:39		RC/JU	Ok
20	Q2900-07	MW-11B-081825	BF143495.D	20 Aug 2025 20:08		RC/JU	Ok
21	Q2900-04	MW-17B-081825	BF143496.D	20 Aug 2025 20:37		RC/JU	Ok
22	DFTPP	DFTPP	BF143497.D	20 Aug 2025 21:36		RC/JU	Ok
23	SSTDCCC040	SSTDCCC040	BF143498.D	20 Aug 2025 22:05		RC/JU	Ok
24	PB169313BL	PB169313BL	BF143499.D	20 Aug 2025 22:34	Benzidine failed in the Calibration Method.	RC/JU	Not Ok
25	PB169223BS	PB169223BS	BF143500.D	20 Aug 2025 23:03		RC/JU	Ok,M
26	PB169223BSD	PB169223BSD	BF143501.D	20 Aug 2025 23:32		RC/JU	Ok,M
27	Q2815-12	TW-22M-S	BF143502.D	21 Aug 2025 00:00		RC/JU	Ok
28	Q2900-01	MN-9C-081825	BF143503.D	21 Aug 2025 00:29		RC/JU	Ok
29	Q2819-20	82H-E	BF143504.D	21 Aug 2025 00:58		RC/JU	Ok
30	Q2819-14	17M-W	BF143505.D	21 Aug 2025 01:27		RC/JU	Ok
31	Q2819-15	17M-N	BF143506.D	21 Aug 2025 01:56		RC/JU	Ok
32	Q2819-18	38M-W	BF143507.D	21 Aug 2025 02:25		RC/JU	Ok
33	Q2819-19	38M-E	BF143508.D	21 Aug 2025 02:54		RC/JU	Ok
34	Q2892-06	BACK-1-FLOOR-CENT	BF143509.D	21 Aug 2025 03:23		RC/JU	Ok
35	Q2892-08	3-FLOOR-NORTH-D	BF143510.D	21 Aug 2025 03:52		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM		
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM		
SubDirectory	BF082025	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

36	Q2900-02	MN-12C-081825	BF143511.D	21 Aug 2025 04:21	Internal standard fail and need 20X then decide further dilution.	RC/JU	Dilution
37	Q2900-03	DUP-01-081825	BF143512.D	21 Aug 2025 04:49	Internal standard fail and need 20X then decide further dilution.	RC/JU	Dilution
38	Q2900-05	MW-11C-081825	BF143513.D	21 Aug 2025 05:18	Internal standard fail and need 20X then decide further dilution.	RC/JU	Dilution
39	Q2815-11	TW-22M-W	BF143514.D	21 Aug 2025 05:47		RC/JU	Ok
40	Q2815-08	TW-88H-N	BF143515.D	21 Aug 2025 06:15		RC/JU	Ok
41	SSTDCCC040	SSTDCCC040EC	BF143516.D	21 Aug 2025 06:44		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM
SubDirectory	BF082125	HP Acquire Method	BNA_F
		HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143517.D	21 Aug 2025 08:20		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143518.D	21 Aug 2025 09:21		RC/JU	Ok
3	PB169299BL	PB169299BL	BF143519.D	21 Aug 2025 09:50		RC/JU	Ok
4	Q2820-24	22M-S	BF143520.D	21 Aug 2025 10:20		RC/JU	Ok
5	Q2820-12	10PC-S	BF143521.D	21 Aug 2025 10:49		RC/JU	Ok
6	Q2900-02DL	MN-12C-081825DL	BF143522.D	21 Aug 2025 11:18	Need 5X further Dilution	RC/JU	Dilution
7	Q2900-03DL	DUP-01-081825DL	BF143523.D	21 Aug 2025 11:47	Need 5X further Dilution	RC/JU	Dilution
8	Q2900-05DL	MW-11C-081825DL	BF143524.D	21 Aug 2025 12:17	Need 2X further Dilution	RC/JU	Dilution
9	Q2819-07	11M-N	BF143525.D	21 Aug 2025 12:46		RC/JU	Ok,M
10	Q2819-08	11M-E	BF143526.D	21 Aug 2025 13:15		RC/JU	Ok,M
11	Q2900-02DL2	MN-12C-081825DL2	BF143527.D	21 Aug 2025 13:44		RC/JU	Ok
12	Q2900-03DL2	DUP-01-081825DL2	BF143528.D	21 Aug 2025 14:13		RC/JU	Ok
13	Q2900-05DL2	MW-11C-081825DL2	BF143529.D	21 Aug 2025 14:42		RC/JU	Ok
14	Q2819-10RE	84SB-SRE	BF143530.D	21 Aug 2025 15:11	Surrogate Fail	RC/JU	Confirms
15	Q2819-11	84SB-W	BF143531.D	21 Aug 2025 15:40		RC/JU	Ok,M
16	Q2819-06	11M-S	BF143532.D	21 Aug 2025 16:09		RC/JU	Ok
17	Q2819-01	22BP-N	BF143533.D	21 Aug 2025 16:38		RC/JU	Ok,M
18	Q2814-07	TW-82H-W	BF143534.D	21 Aug 2025 17:07		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM		
SubDirectory	BF082125	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13171,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2815-15	TW-17M-E	BF143535.D	21 Aug 2025 17:36		RC/JU	Ok
20	Q2814-19	TW-518R-E	BF143536.D	21 Aug 2025 18:05		RC/JU	Ok
21	Q2819-13	17M-E	BF143537.D	21 Aug 2025 18:34		RC/JU	Ok
22	Q2819-04RE	22BP-SRE	BF143538.D	21 Aug 2025 19:03	Surrogate fail.	RC/JU	Confirms
23	SSTDCCC040	SSTDCCC040EC	BF143539.D	21 Aug 2025 19:32	CCC fail for comp#70 from high side	RC/JU	Ok
24	DFTPP	DFTPP	BF143540.D	21 Aug 2025 20:02		RC/JU	Ok
25	SSTDCCC040	SSTDCCC040	BF143541.D	21 Aug 2025 21:00	CCC fail high for compound#9,69,70,74 & CCC fail low for compound # 78,79,87,91,92.	RC/JU	Ok
26	PB169330BL	PB169330BL	BF143542.D	21 Aug 2025 21:58	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
27	PB169330BS	PB169330BS	BF143543.D	21 Aug 2025 22:27	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
28	Q2903-01	MW-6A-081925	BF143544.D	21 Aug 2025 22:56	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
29	Q2903-02	MW-1C-081925	BF143545.D	21 Aug 2025 23:25	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
30	Q2903-03	MW-6B-081925	BF143546.D	21 Aug 2025 23:54	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
31	Q2903-04	MW-1B-081925	BF143547.D	22 Aug 2025 00:23	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
32	Q2903-05MS	MW-6B-081925MS	BF143548.D	22 Aug 2025 00:52	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
33	Q2903-06MSD	MW-6B-081925MSD	BF143549.D	22 Aug 2025 01:21	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
34	Q2903-07	MW-12B-081925	BF143550.D	22 Aug 2025 01:51	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM		
SubDirectory	BF082125	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

35	Q2903-08	MW-18B-081925	BF143551.D	22 Aug 2025 02:19	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
36	Q2903-09	DUP-02-081925	BF143552.D	22 Aug 2025 02:49	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
37	Q2903-10	MW-17A-081925	BF143553.D	22 Aug 2025 03:18	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
38	Q2903-11	MW-18A-081925	BF143554.D	22 Aug 2025 03:46	CCC fail low for compound # 78,87,91,92.Need 2X Dilution	RC/JU	Dilution
39	Q2903-12	MW-16B-081925	BF143555.D	22 Aug 2025 04:16	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
40	Q2915-01	BRIDGE-WEST	BF143556.D	22 Aug 2025 04:45	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
41	Q2915-01MS	BRIDGE-WESTMS	BF143557.D	22 Aug 2025 05:14	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
42	Q2915-01MSD	BRIDGE-WESTMSD	BF143558.D	22 Aug 2025 05:43	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
43	Q2915-03	BRIDGE-EAST	BF143559.D	22 Aug 2025 06:11	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
44	Q2892-04	1-FLOOR-DRILL-B-BA	BF143560.D	22 Aug 2025 06:40	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
45	Q2892-02	1-FLOOR-NORTH-EAS	BF143561.D	22 Aug 2025 07:09	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025390.D	14 Aug 2025 10:30		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	A Fresh Calibration is required.	CG/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33		CG/JU	Ok
4	SSTDICC005	SSTDICC005	BP025393.D	14 Aug 2025 13:15		CG/JU	Ok,M
5	SSTDICC010	SSTDICC010	BP025394.D	14 Aug 2025 13:56		CG/JU	Ok,M
6	SSTDICC020	SSTDICC020	BP025395.D	14 Aug 2025 14:38		CG/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	Benzidine failed in the Calibration Method.	CG/JU	Ok,M
8	SSTDICC050	SSTDICC050	BP025397.D	14 Aug 2025 16:01		CG/JU	Ok,M
9	SSTDICC060	SSTDICC060	BP025398.D	14 Aug 2025 16:42		CG/JU	Ok
10	SSTDICC080	SSTDICC080	BP025399.D	14 Aug 2025 17:24		CG/JU	Ok,M
11	SSTDICV040	ICVBP081425	BP025400.D	14 Aug 2025 18:05		CG/JU	Ok,M
12	PB169200TB	PB169200TB	BP025401.D	14 Aug 2025 19:28		CG/JU	Ok
13	PB169210BS	PB169210BS	BP025402.D	14 Aug 2025 20:10		CG/JU	Ok,M
14	SSTDCCC040	SSTDCCC040EC	BP025403.D	14 Aug 2025 20:51		CG/JU	Ok,M
15	DFTPP	DFTPP	BP025404.D	14 Aug 2025 22:14		CG/JU	Ok
16	SSTDCCC040	SSTDCCC040	BP025405.D	14 Aug 2025 22:56		CG/JU	Ok,M
17	PB169228BL	PB169228BL	BP025406.D	14 Aug 2025 23:37		CG/JU	Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	PB169228BS	PB169228BS	BP025407.D	15 Aug 2025 00:18		CG/JU	Ok,M
19	Q2820-10	SOIL-DUP-2	BP025408.D	15 Aug 2025 01:00		CG/JU	Ok
20	Q2820-11	10PC-W	BP025409.D	15 Aug 2025 01:41		CG/JU	Ok
21	Q2820-21	22M-N	BP025410.D	15 Aug 2025 02:22	Surrogate Fail	CG/JU	ReRun
22	Q2820-22	22M-W	BP025411.D	15 Aug 2025 03:03	Surrogate Fail	CG/JU	ReRun
23	Q2820-14	10P-E	BP025412.D	15 Aug 2025 03:45		CG/JU	Ok
24	Q2820-16	10P-N	BP025413.D	15 Aug 2025 04:26		CG/JU	Ok
25	Q2820-17	88H-E	BP025414.D	15 Aug 2025 05:07		CG/JU	Ok
26	Q2820-17MS	88H-EMS	BP025415.D	15 Aug 2025 05:48		CG/JU	Ok,M
27	Q2820-17MSD	88H-EMSD	BP025416.D	15 Aug 2025 06:29		CG/JU	Ok,M
28	Q2820-18	88H-N	BP025417.D	15 Aug 2025 07:10		CG/JU	Ok
29	Q2820-19	88H-W	BP025418.D	15 Aug 2025 07:51	Surrogate fail	CG/JU	ReRun
30	Q2820-20	88H-S	BP025419.D	15 Aug 2025 08:32	Surrogate Fail	CG/JU	ReRun
31	SSTDCCC040	SSTDCCC040EC	BP025420.D	15 Aug 2025 09:13		CG/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM
SubDirectory	BP081525	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025421.D	15 Aug 2025 09:55		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025422.D	15 Aug 2025 10:36		CG/JU	Ok,M
3	PB169230BL	PB169230BL	BP025423.D	15 Aug 2025 11:17		CG/JU	Ok
4	PB169230BS	PB169230BS	BP025424.D	15 Aug 2025 11:59		CG/JU	Ok,M
5	PB169230BSD	PB169230BSD	BP025425.D	15 Aug 2025 13:26		CG/JU	Ok
6	Q2814-05RE	TW-82H-ERE	BP025426.D	15 Aug 2025 14:08	Surrogate Fail	CG/JU	Confirms
7	Q2814-20	TW-518R-W	BP025427.D	15 Aug 2025 14:49		CG/JU	Ok
8	Q2814-11	TW-38M-S	BP025428.D	15 Aug 2025 15:31	Already analyzed with ok status	CG/JU	Not Ok
9	Q2814-17	TW-518R-S	BP025429.D	15 Aug 2025 16:12		CG/JU	Ok
10	Q2814-18	TW-518R-N	BP025430.D	15 Aug 2025 16:54	Surrogate Fail	CG/JU	ReRun
11	Q2827-05DL	TP-9DL	BP025431.D	15 Aug 2025 17:35		CG/JU	Ok,M
12	Q2820-07RE	518R-SRE	BP025432.D	15 Aug 2025 18:17	Surrogate Fail	CG/JU	Confirms
13	Q2820-01RE	82H-SRE	BP025433.D	15 Aug 2025 18:58	Surrogate Fail	CG/JU	Confirms
14	Q2820-21RE	22M-NRE	BP025434.D	15 Aug 2025 19:40	Surrogate Fail	CG/JU	Confirms
15	Q2820-22RE	22M-WRE	BP025435.D	15 Aug 2025 20:21	Surrogate Fail	CG/JU	Confirms
16	SSTDCCC040	SSTDCCC040EC	BP025436.D	15 Aug 2025 21:03		CG/JU	Ok,M
17	DFTPP	DFTPP	BP025437.D	15 Aug 2025 23:08		CG/JU	Ok
18	SSTDCCC040	SSTDCCC040	BP025438.D	15 Aug 2025 23:49		CG/JU	Ok,M

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	PB169275BL	PB169275BL	BP025439.D	16 Aug 2025 00:31		CG/JU	Ok
20	PB169275BS	PB169275BS	BP025440.D	16 Aug 2025 01:13		CG/JU	Ok,M
21	Q2732-03	WC-A7-01-C	BP025441.D	16 Aug 2025 01:55		CG/JU	Ok
22	Q2836-03	WC-A2-15-C	BP025442.D	16 Aug 2025 02:37		CG/JU	Ok
23	Q2836-07	WC-A2-16-C	BP025443.D	16 Aug 2025 03:19		CG/JU	Ok
24	Q2836-11	WC-A2-17-C	BP025444.D	16 Aug 2025 04:00		CG/JU	Ok
25	Q2836-15	WC-A5-02-C	BP025445.D	16 Aug 2025 04:41		CG/JU	Ok
26	Q2838-04	TP-11	BP025446.D	16 Aug 2025 05:22		CG/JU	Ok
27	Q2838-08	TP-10	BP025447.D	16 Aug 2025 06:04		CG/JU	Ok
28	Q2832-02	TG-S01	BP025448.D	16 Aug 2025 06:45		CG/JU	Ok
29	Q2832-02MS	TG-S01MS	BP025449.D	16 Aug 2025 07:26		CG/JU	Ok,M
30	Q2832-02MSD	TG-S01MSD	BP025450.D	16 Aug 2025 08:07		CG/JU	Ok,M
31	Q2832-04	TG-S02	BP025451.D	16 Aug 2025 08:48		CG/JU	Ok
32	Q2832-06	TG-S03	BP025452.D	16 Aug 2025 09:29		CG/JU	Ok
33	Q2832-08	TG-S04	BP025453.D	16 Aug 2025 10:11		CG/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM
SubDirectory	BP082025	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025503.D	20 Aug 2025 11:24		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025504.D	20 Aug 2025 12:05		CG/JU	Ok,M
3	PB169259BL	PB169259BL	BP025505.D	20 Aug 2025 12:46	Analyzed for contamination check	CG/JU	Not Ok
4	Q2888-01	VNJ-210	BP025506.D	20 Aug 2025 13:30		CG/JU	Ok,M
5	Q2884-03	302	BP025507.D	20 Aug 2025 14:12		CG/JU	Ok
6	Q2884-01	VNJ-232	BP025508.D	20 Aug 2025 14:53		CG/JU	Ok
7	Q2865-02	ARS10-0047	BP025509.D	20 Aug 2025 15:34		CG/JU	Ok,M
8	Q2889-01	PL-02-081525	BP025510.D	20 Aug 2025 16:15		CG/JU	Ok,M
9	DFTPP	DFTPP	BP025511.D	20 Aug 2025 17:04		CG/JU	Ok
10	SSTDCCC040	SSTDCCC040	BP025512.D	20 Aug 2025 18:27		CG/JU	Ok
11	PB169259BL	PB169259BL	BP025513.D	20 Aug 2025 19:08		CG/JU	Ok
12	PB169259BS	PB169259BS	BP025514.D	20 Aug 2025 19:49		CG/JU	Ok
13	Q2819-03	22BP-W	BP025515.D	20 Aug 2025 20:30		CG/JU	Ok
14	Q2819-03MS	22BP-WMS	BP025516.D	20 Aug 2025 21:11		CG/JU	Ok,M
15	Q2819-03MSD	22BP-WMSD	BP025517.D	20 Aug 2025 21:52		CG/JU	Ok,M
16	Q2819-09	84SB-E	BP025518.D	20 Aug 2025 22:32		CG/JU	Ok
17	Q2819-17	38M-N	BP025519.D	20 Aug 2025 23:13		CG/JU	Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM
SubDirectory	BP082025	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6757 SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6836 S13171,10ul/1000ul sample SP6770

18	Q2819-17MS	38M-NMS	BP025520.D	20 Aug 2025 23:54		CG/JU	Ok,M
19	Q2819-17MSD	38M-NMSD	BP025521.D	21 Aug 2025 00:35		CG/JU	Ok,M
20	Q2814-18RE	TW-518R-NRE	BP025522.D	21 Aug 2025 01:15	Surrogate Fail	CG/JU	Confirms
21	Q2820-23	22M-E	BP025523.D	21 Aug 2025 01:56		CG/JU	Ok
22	Q2819-02	22BP-E	BP025524.D	21 Aug 2025 02:37		CG/JU	Ok
23	Q2815-10	TW-88H-S	BP025525.D	21 Aug 2025 03:18		CG/JU	Ok
24	SSTDCCC040	SSTDCCC040EC	BP025526.D	21 Aug 2025 03:59		CG/JU	Ok
25	DFTPP	DFTPP	BP025527.D	21 Aug 2025 06:01		CG/JU	Ok
26	SSTDCCC040	SSTDCCC040	BP025528.D	21 Aug 2025 06:42		CG/JU	Ok
27	PB169285BL	PB169285BL	BP025529.D	21 Aug 2025 07:23		CG/JU	Ok
28	PB169285BS	PB169285BS	BP025530.D	21 Aug 2025 08:03		CG/JU	Ok,M
29	Q2873-01	DRILL CUTTING 1-3 C	BP025531.D	21 Aug 2025 08:44		CG/JU	Ok
30	Q2873-01MS	DRILL CUTTING 1-3 C	BP025532.D	21 Aug 2025 09:25		CG/JU	Ok,M
31	Q2873-01MSD	DRILL CUTTING 1-3 C	BP025533.D	21 Aug 2025 10:06		CG/JU	Ok,M
32	Q2819-10	84SB-S	BP025534.D	21 Aug 2025 10:50	Surrogate Fail	CG/JU	ReRun
33	Q2819-11	84SB-W	BP025535.D	21 Aug 2025 11:31	Surrogate Fail	CG/JU	ReRun
34	Q2819-12	17M-S	BP025536.D	21 Aug 2025 12:12		CG/JU	Ok
35	Q2832-09	TG-S05	BP025537.D	21 Aug 2025 12:53		CG/JU	Ok
36	Q2897-01	HD-02-08182025	BP025538.D	21 Aug 2025 13:34		CG/JU	Ok,M

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S13171,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

37	Q2819-04	22BP-S	BP025539.D	21 Aug 2025 14:15	Surrogate Fail	CG/JU	ReRun
38	Q2819-16	38M-S	BP025540.D	21 Aug 2025 14:56		CG/JU	Ok
39	Q2820-15	10P-S	BP025541.D	21 Aug 2025 15:37		CG/JU	Ok
40	SSTDCCC040	SSTDCCC040EC	BP025542.D	21 Aug 2025 17:11		CG/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21			
Clean Up SOP #: N/A		Extraction Start Date : 08/12/2025	
Matrix : Water		Extraction Start Time : 09:55	
Weigh By: N/A	Extraction By: RS	Extraction End Date : 08/12/2025	
Balance check: N/A	Filter By: RJ	Extraction End Time : 15:55	
Balance ID: N/A	pH Meter ID: N/A	Concentration By: RS	
pH Strlp Lot#: E3880	Hood ID: 4,5,6,7	Supervisor By : RUPESH	

Extraction Method: ☒ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3954
Baked Na2SO4	N/A	EP2632
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH , 1.5ML Vial Lot # 2210443. Q2814 samples Extract out of Holding Time.

KD Bath ID: WATER BATH-1,2	Envap ID: NE VAP-02
KD Bath Temperature: 60 °C	Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25	RS (But lab)	Rclsvoc
16:00	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169223BL	SBLK223	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB169223BS	SLCS223	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB169223BS D	SLCSD223	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2814-01	TW-84SB-E	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		4
Q2814-02	TW-17M-N	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	C	Muddy	5
Q2814-03	TW-17M-W	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F	Muddy	6
Q2814-04	TW-82H-N	SVOC-TCL BNA -20	870	6	RUPESH	ritesh	1	C		7
Q2814-05	TW-82H-E	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	C	Muddy	8
Q2814-06	TW-82H-S	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		9
Q2814-07	TW-82H-W	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	10
Q2814-08	TW-38M-E	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		11
Q2814-09	TW-38M-W	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	12
Q2814-10	TW-38M-N	SVOC-TCL BNA -20	980	6	RUPESH	ritesh	1	C	Muddy	13
Q2814-11	TW-38M-S	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	14
Q2814-12	TW-BP-S	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	15
Q2814-13	TW-BP-N	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	16
Q2814-14	TW-BP-E	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		SEP-1
Q2814-15	TW-BP-W	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	2
Q2814-16	FB	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		3
Q2814-17	TW-518R-S	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	F	Muddy	4
Q2814-18	TW-518R-N	SVOC-TCL BNA -20	980	6	RUPESH	ritesh	1	C	Muddy	5
Q2814-19	TW-518R-E	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	6
Q2814-20	TW-518R-W	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		7

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2814

WorkList ID : 191235

Department : Extraction

Date : 08-12-2025 09:49:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2814-01	TW-84SB-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/05/2025	8270E
Q2814-02	TW-17M-N	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/05/2025	8270E
Q2814-03	TW-17M-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/05/2025	8270E
Q2814-04	TW-82H-N	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2814-05	TW-82H-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2814-06	TW-82H-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2814-07	TW-82H-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2814-08	TW-38M-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2814-09	TW-38M-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2814-10	TW-38M-N	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2814-11	TW-38M-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2814-12	TW-BP-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/04/2025	8270E
Q2814-13	TW-BP-N	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/04/2025	8270E
Q2814-14	TW-BP-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/04/2025	8270E
Q2814-15	TW-BP-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/04/2025	8270E
Q2814-16	FB	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/04/2025	8270E
Q2814-17	TW-518R-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/05/2025	8270E
Q2814-18	TW-518R-N	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/05/2025	8270E
Q2814-19	TW-518R-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/05/2025	8270E
Q2814-20	TW-518R-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/05/2025	8270E

Date/Time 8/12/25 9:50

Raw Sample Received by: RS (Ext-66b)

Raw Sample Relinquished by: CP SR

Date/Time 8/12/25 11:00

Raw Sample Received by: CP SR

Raw Sample Relinquished by: RS (Ext-66b)

Prep Standard - Chemical Standard Summary

Order ID : Q2814
Test : SVOC-TCL BNA -20
Prepbatch ID : PB169223,
Sequence ID/Qc Batch ID: BF081425,BF082025,BF082125,BP081525,BP082025,

Standard ID :
EP2609,EP2610,EP2632,SP6757,SP6769,SP6770,SP6832,SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840,SP6849,SP6852,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,

Chemical ID :
10ul/1000ul
sample,E3657,E3875,E3904,E3926,E3932,E3942,E3946,E3954,M6157,S10105,S11484,S11496,S11651,S11788,S11801,S11802,S11805,S11806,S11807,S12115,S12195,S12196,S12197,S12198,S12216,S12217,S12218,S12219,S12220,S12245,S12272,S12277,S12278,S12306,S12307,S12486,S12499,S12500,S12501,S12502,S12503,S12504,S12505,S12506,S12507,S12534,S12545,S12546,S12547,S12548,S12549,S12550,S12551,S12552,S12577,S12658,S12670,S12739,S12776,S12974,S12987,S12988,S12989,S12990,S12991,S12992,S13057,S13078,S13088,S13089,S13148,S13158,S13159,S13170,S13171,S13206,S13207,S13208,S13209,S13210,S13211,S13214,S13233,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel

(EX-SC-2)

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel

(EX-SC-2)

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3895	50 ug/ml DFTTP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
18	Second Source Calibration Stock Standard, 100 PPM,	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani
(8270/825/CLP) FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani
FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml								

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4178	8270/625.1 Stock Solution-2 100 ng	SP6832	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.20000ml of S13211 + 0.26700ml of S10105 + 0.40000ml of S11496 + 0.40000ml of S12278 + 0.50000ml of S12115 + 0.50000ml of S13209 + 0.50000ml of S13210 + 0.60000ml of S12277 + 1.00000ml of S12272 + 1.00000ml of S13057 + 1.00000ml of S13078 + 1.00000ml of S13208 + 2.63300ml of E3942 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4179	80 ng BNA ICC	SP6833	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.20000ml of E3942 + 0.80000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4180	60 ng BNA ICC	SP6834	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.40000ml of E3942 + 0.60000ml of SP6832 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4181	50 ng BNA ICC	SP6835	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4182	40 ng BNA ICC	SP6836	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.60000ml of E3942 + 0.40000ml of SP6832 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4183	20 ng BNA ICC	SP6837	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.80000ml of E3942 + 0.20000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4184	10 ng BNA ICC	SP6838	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.90000ml of E3942 + 0.10000ml of SP6832 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4185	5 ng BNA ICC	SP6839	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.95000ml of E3942 + 0.05000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4186	2.5 ng BNA ICC	SP6840	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6839 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
171	8270/625 Spike Solution, 50/100 PPM	SP6849	07/01/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay
								07/01/2025

FROM 0.10000ml of S12507 + 0.10000ml of S13159 + 0.30000ml of S13158 + 0.40000ml of S11484 + 0.40000ml of S11651 + 0.40000ml of S11806 + 0.40000ml of S11807 + 0.40000ml of S13148 + 0.40000ml of S13206 + 0.60000ml of S13089 + 0.80000ml of S12499 + 0.90000ml of S12552 + 1.20000ml of S12504 + 1.20000ml of S12506 + 1.20000ml of S12546 + 1.30000ml of S11802 + 1.30000ml of S12501 + 1.30000ml of S12503 + 1.30000ml of S12505 + 1.30000ml of S12545 + 1.30000ml of S12547 + 1.30000ml of S12549 + 1.30000ml of S12550 + 1.30000ml of S12551 + 1.30000ml of S12988 + 1.30000ml of S12989 + 1.30000ml of S12990 + 1.30000ml of S12992 + 1.40000ml of S11805 + 1.40000ml of S12500 + 1.40000ml of S12502 + 1.40000ml of S12548 + 1.40000ml of S12987 + 1.40000ml of S12991 + 1.40000ml of S13088 + 1.50000ml of S11801 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6852	07/02/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/02/2025

FROM 1.50000ml of S12220 + 2.00000ml of S12195 + 2.00000ml of S12197 + 2.00000ml of S12216 + 5.50000ml of S12196 + 5.50000ml of S12198 + 5.50000ml of S12217 + 5.50000ml of S12218 + 5.50000ml of S12219 + 965.00000ml of E3946 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
08/22/2025								

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
08/22/2025								

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3942

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	07/01/2025 / RUPESH	06/19/2025 / RUPESH	E3946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	12/19/2025	06/19/2025 / Jagrut	12/09/2021 / Christian	S10105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/01/2026	07/01/2025 / Rahul	11/09/2023 / Yogesh	S11651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12198

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12217

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12218

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12219

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	12/03/2025	06/03/2025 / Jagrut	05/24/2024 / Rahul	S12272

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	12/19/2025	06/19/2025 / Jagrut	05/24/2024 / Rahul	S12278

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12499

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12500

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12501

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12502

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12503

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12504

[CS 4978-1]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12505

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12506

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12545

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12546

[CS 4978-2]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12547

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12548

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12549

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12550

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12551

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

[CS 4978-2]

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH ₂ Cl ₂ , 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	12/16/2025	06/16/2025 / anahy	09/20/2024 / anahy	S12670

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12987

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12988

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12989

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12990

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12991

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12992

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	531243	12/19/2025	06/19/2025 / Jagrut	01/16/2025 / anahy	S13057

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13088

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	01/01/2026	07/01/2025 / Rahul	06/04/2025 / Rahul	S13159

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	03/31/2031	/	06/02/2025 / anahy	S13171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	01/01/2026	07/01/2025 / Rahul	06/11/2025 / anahy	S13206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70434 / Acetophenone, Single compound solution, 1000 PPM	121622	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13208

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91126 / Benzoic acid 2000 ug/mL	060625	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90495 / 1,1-Biphenyl 2000 ug/mL	042325	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13210

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	34571 / 1,2,4,5-Tetrachlorobenzene 5000 ug/mL	092324	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL
-04					

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d ₄	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on

02/25/21

by
CG

S9236
to

S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certified By:

Erica Castiglione
Chemist



Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	10
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.8 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	$< 5 \text{ ppm}$
Water (by KF, coulometric)	$\leq 0.02 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087 U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	$< 5 \text{ ppm}$
Water (by KF, coulometric)	$\leq 0.02 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RS 6/19/25

E3946

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	<0.01%

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS
7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



MG157
MS

Material No.: 9673-33

Batch No.: 24I1262013

Manufactured Date: 2024-08-07

Retest Date: 2029-08-06

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	1.1 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 1.0 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak

Director Quality Operations, Bioscience Production



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.
This Reference Material is intended for Laboratory Use Only as a standard for
the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555870 Lot No.: A0200549

Description: Custom 2,4-Dinitrophenol Standard
Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: August 31, 2026 Storage: 10°C or colder

Ship: Ambient

5116gh } Y.P.
↓
511693 } 08/10/28

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%


Tom Suckar Mix Technician

Date Mixed: 02-Aug-2023 Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



5580 Skyline Blvd
Santa Rosa, CA 95403
(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Page 1 of 1

Catalog No.: Lot No.:	Storage:	Solvent:	Exp. Date:	Rev	Description:
Z-110094-02 506889	≤ -10 °C	Methylene Chloride	7/25/2028	0	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml
Compound		CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d ₄		2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl		321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5		4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14		1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 } Y.P.
↓ 08/11/2023
511498

*Not a certified value

Certified By: _____
Clint Tipton
Chemist

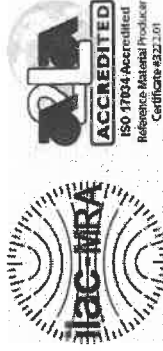
All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309
www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.
This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555872 Lot No.: A0201728
Description: Custom Pentachlorophenol Standard
Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: September 30, 2026 Storage: 10°C or colder
Ship: Ambient

511649
↓
511658
Y.P.
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

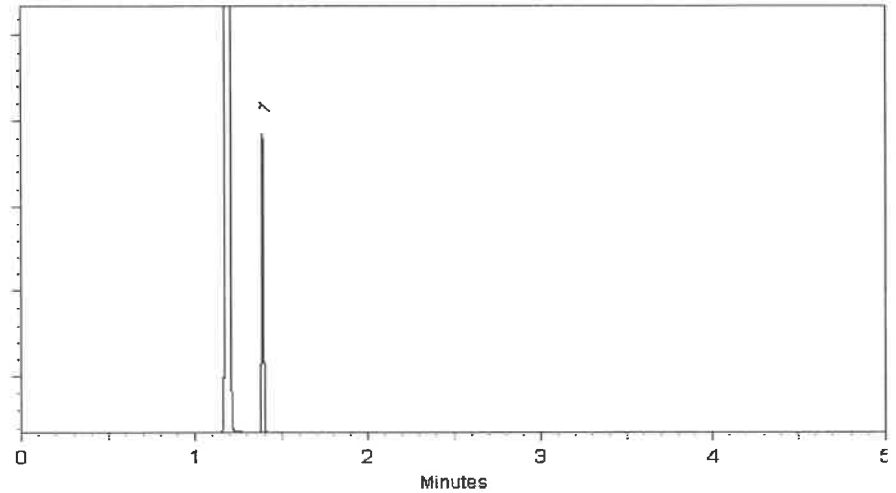
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11795
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S11808 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

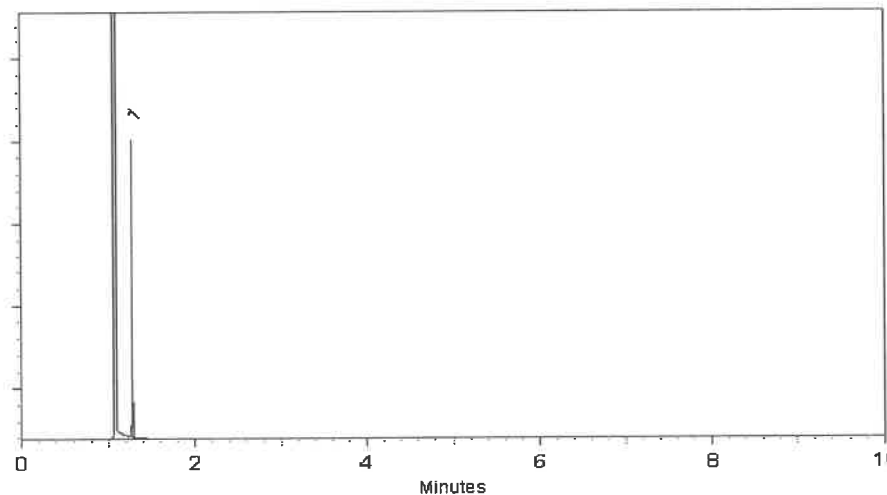
FID

Split Vent:

100 mL/min.

Inj. Vol

1µL



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11795
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S11808 } RC /
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

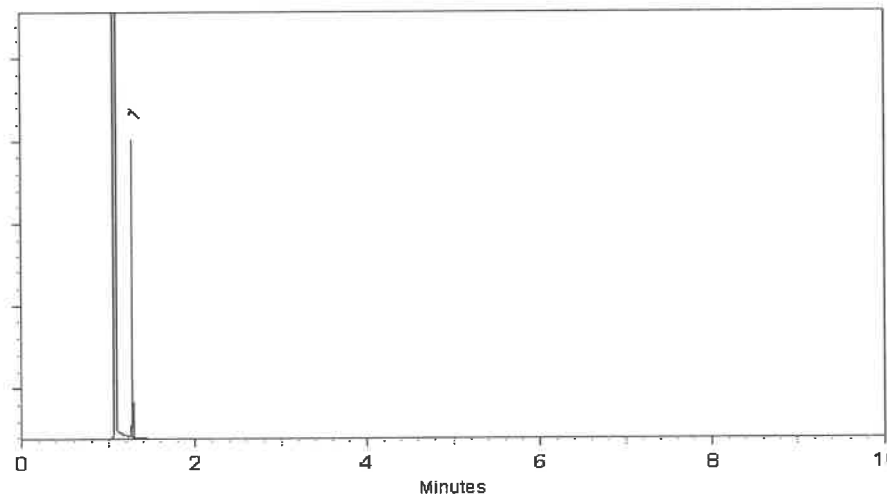
FID

Split Vent:

100 mL/min.

Inj. Vol

1µL



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11795
↓
S11808 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

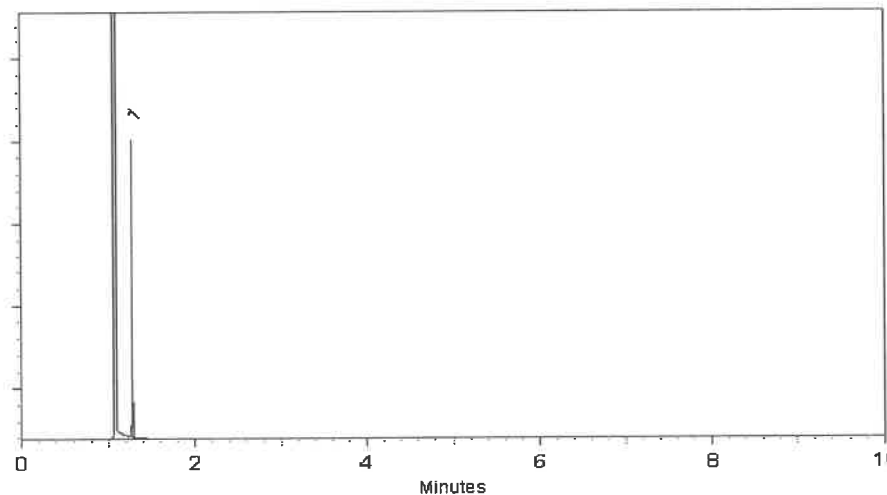
FID

Split Vent:

100 mL/min.

Inj. Vol

1µL



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11795
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S11808 } RC /
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

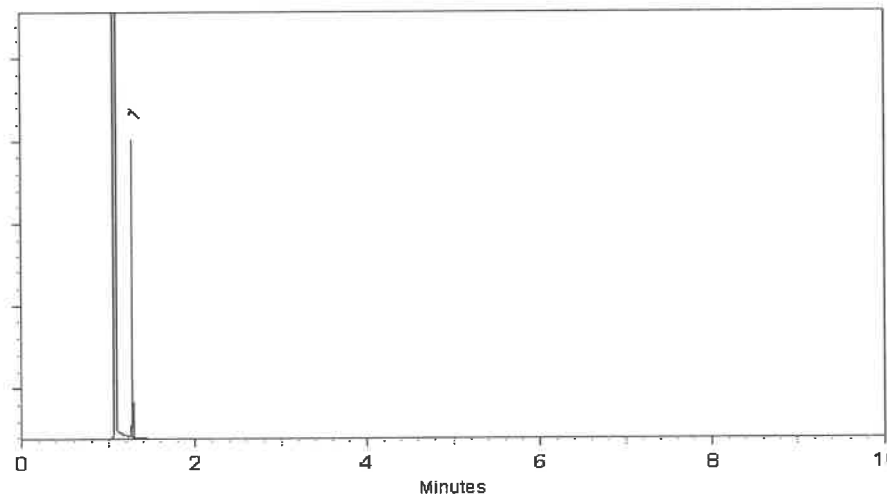
FID

Split Vent:

100 mL/min.

Inj. Vol

1µL



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11795
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S11808 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

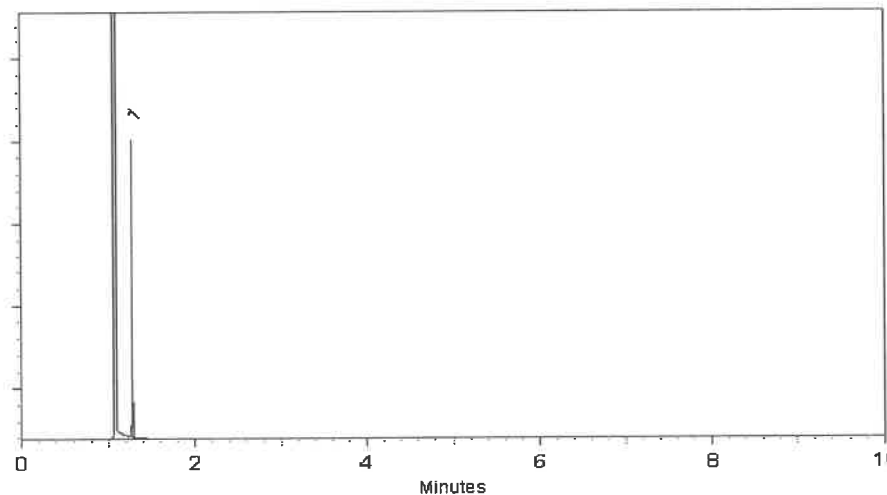
FID

Split Vent:

100 mL/min.

Inj. Vol

1µL



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



110 Benner Circle
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Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓
512206 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

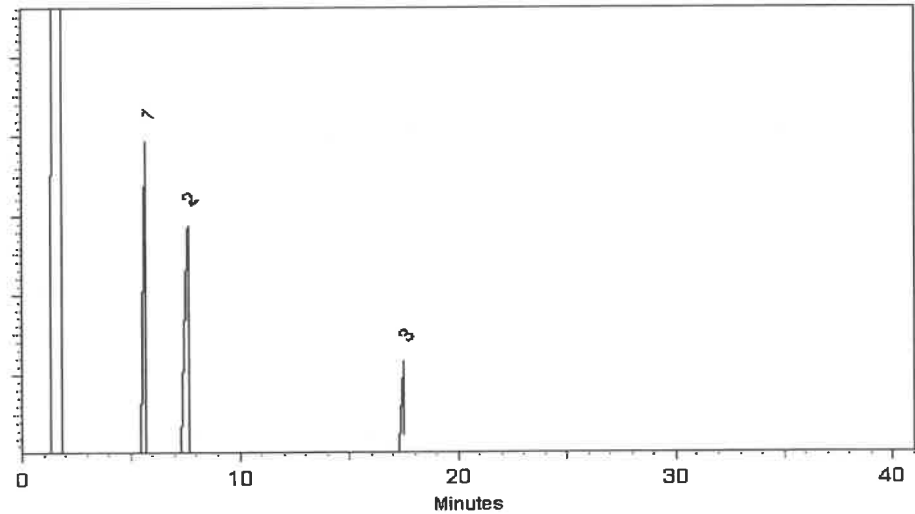
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope A. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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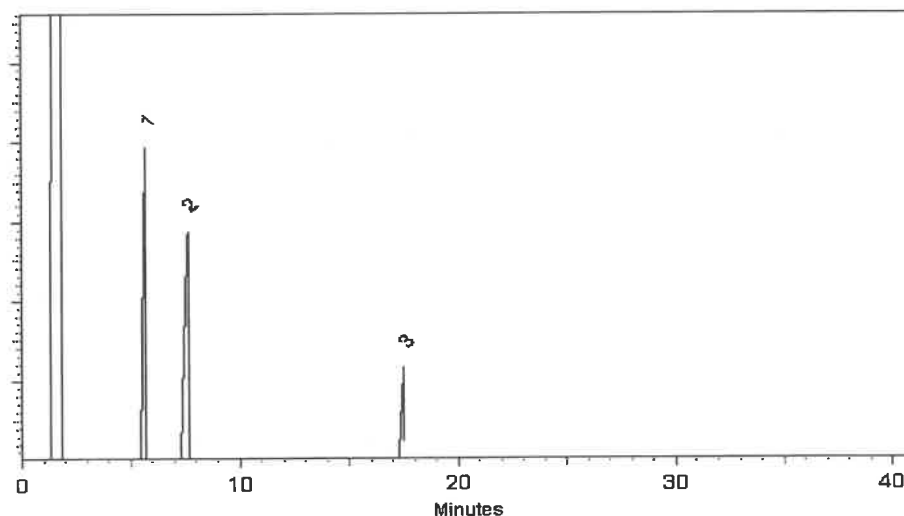
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Balance Serial # 1128360905

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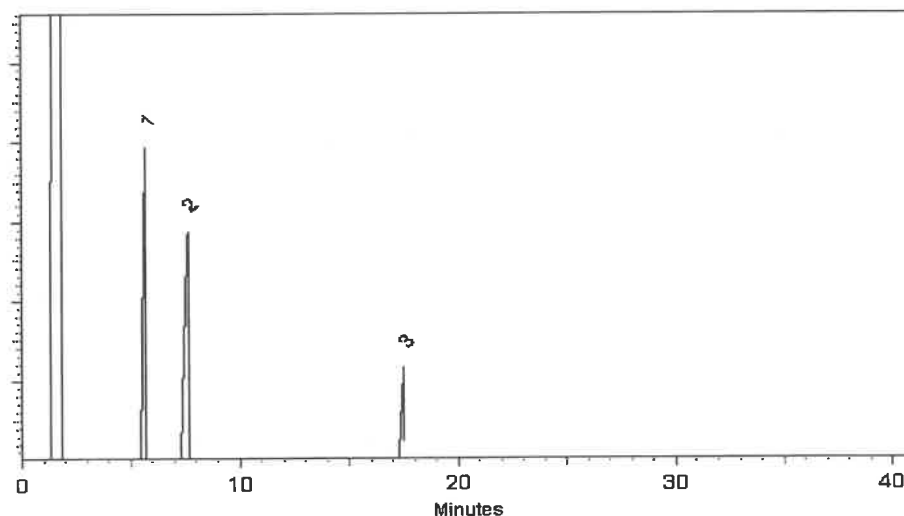
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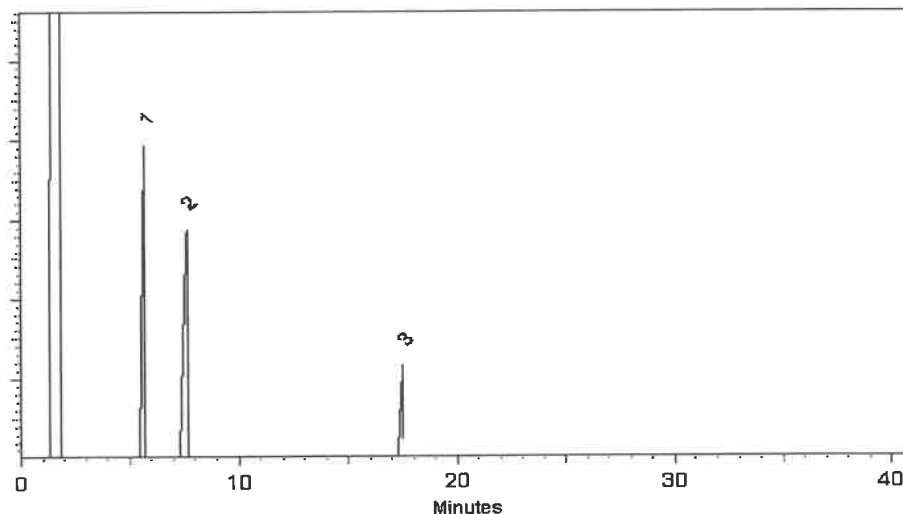
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Split Vent:

2 ml/min.

Inj. Vol

1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

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Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

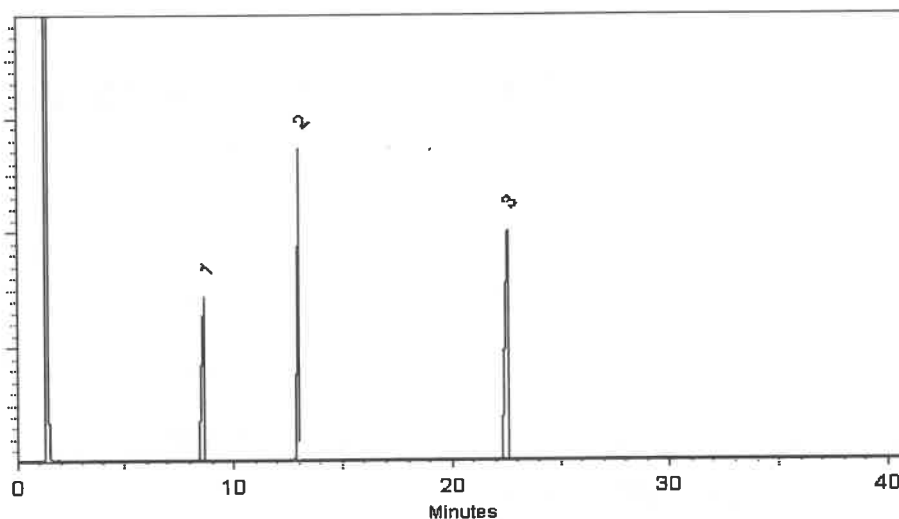
FID

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2 ml/min.

Inj. Vol

1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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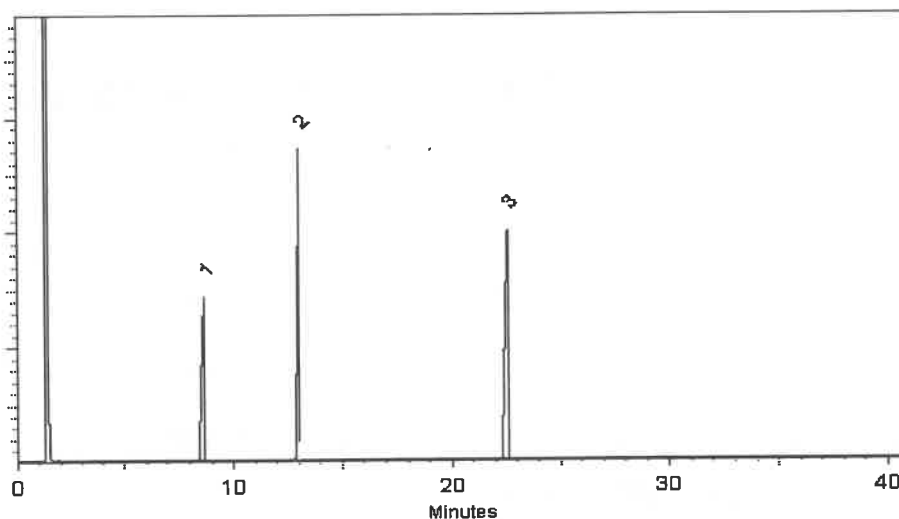
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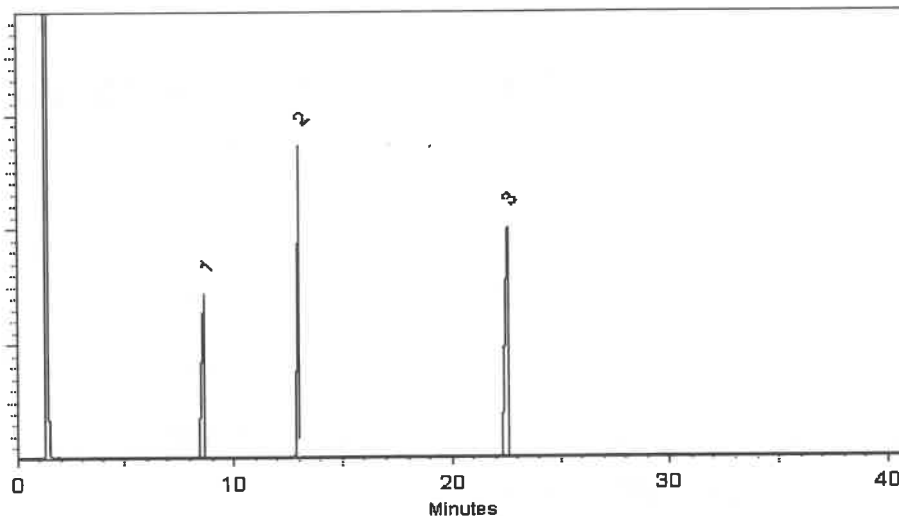
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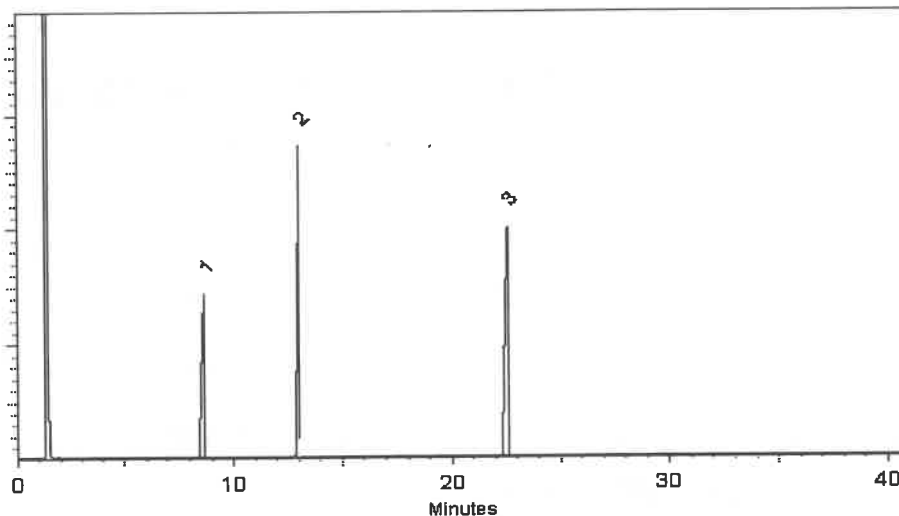
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Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

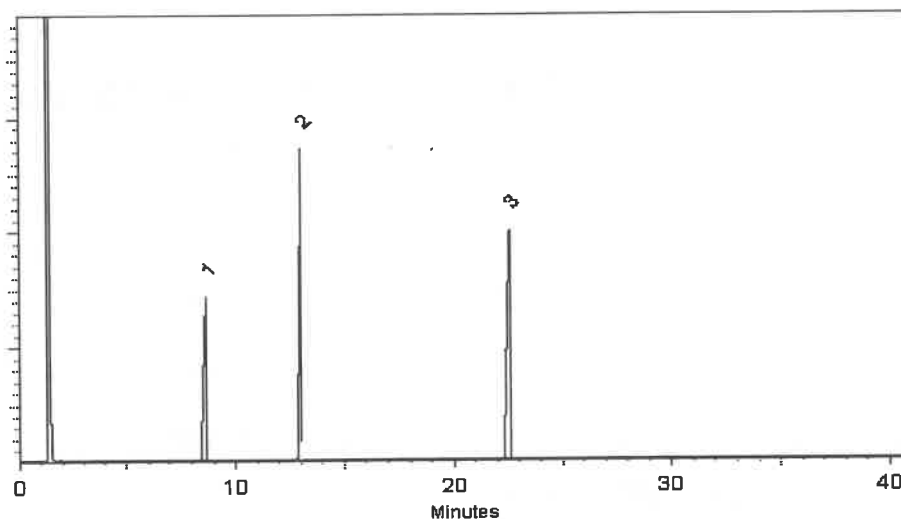
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30409 **Lot No.:** A0206650
Description : Pyridine Standard
Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

512242 } RC/
↓
512254 } 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

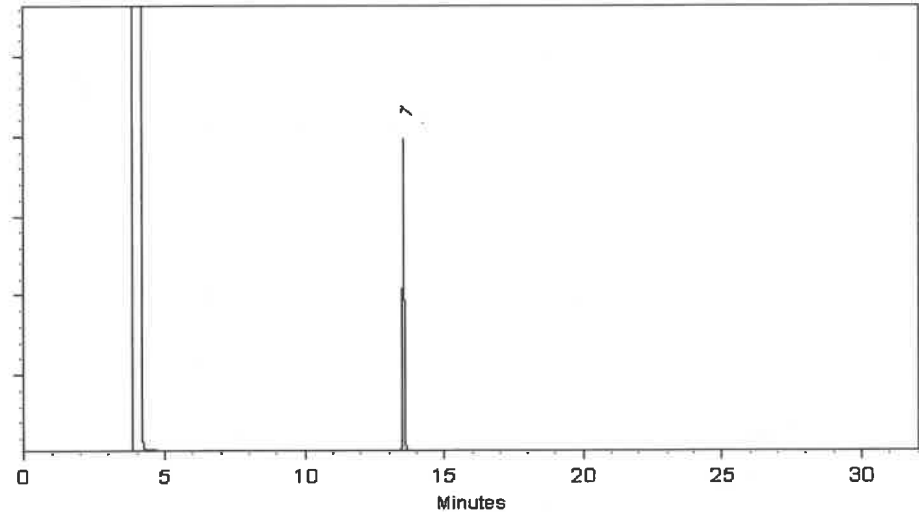
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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by TUV USA to ISO 9001:2015

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Rev 0

Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

*Not a certified value

512270 } RC/
↓
512274 } 05/24/24

Kerry Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.

Certificate of Analysis

Page 2 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Kerry Kane

Certified By:

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 3 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Kerry Kane

Certified By:

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value



Certified By:

Kerry Kane
Chemist

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Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:	
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL	
Compound			CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde			100-52-7	98.3	442.421.1P	996.8 ± 11.49

512275 } RC/
↓
512279 } 05/24/24

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL
Compound		CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde		100-52-7	98.3	442.421.1P	996.8 ± 11.49

512275 } RC/
↓
512279 } 05/24/24

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

512302 } RC/
↓
512311 } 5/30/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

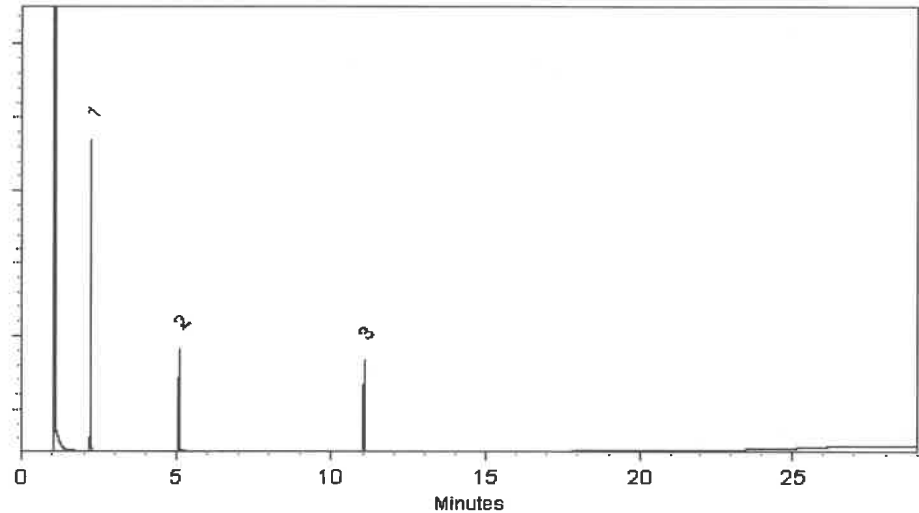
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard
Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

512302 } RC/
↓
512311 } 5/30/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

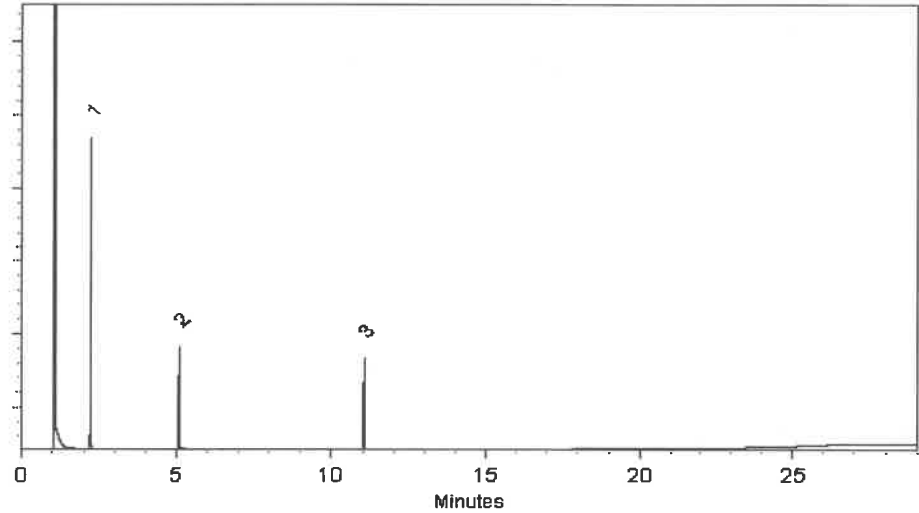
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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110 Benner Circle
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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gravimetric



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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

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Solvent: Methylene chloride
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Purity 99%

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Catalog No. : 555223 **Lot No.:** A0214021

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Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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↓
S12508 } 7/24/24

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577
↓
S12579 } RC
8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

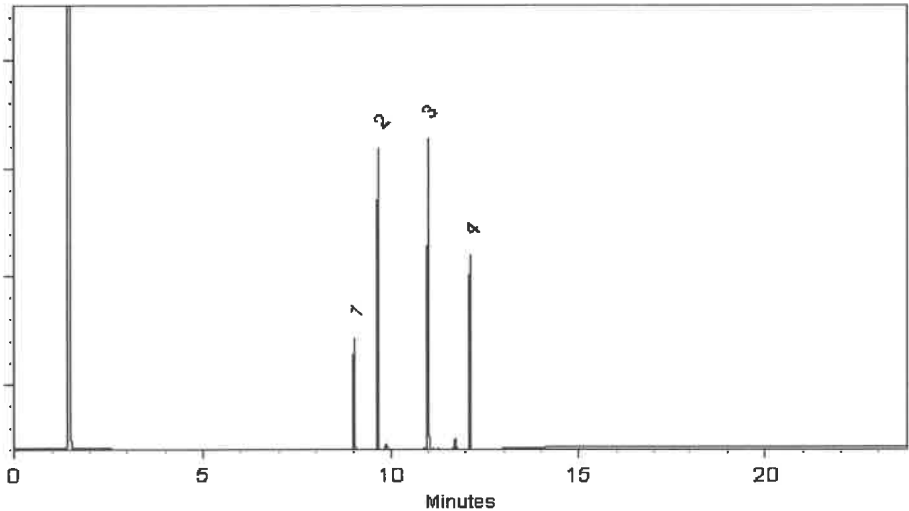
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

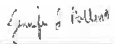
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674
AC
10/1/24



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Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674 } AC
10/1/24



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Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix
OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12736 } AC
↓
S12754 } 10/9/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/-	19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/-	19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/-	19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/-	19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/-	19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/-	19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/-	19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/-	19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/-	19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/-	19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/-	18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/-	19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/-	19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/-	19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/-	19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/-	19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/-	19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/-	18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/-	19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/-	19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/-	19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/-	19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/-	19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/-	19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/-	19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/-	19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/-	19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/-	19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/-	19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/-	19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/-	19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/-	19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/-	19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/-	19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/-	19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride

CAS # 75-09-2

Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

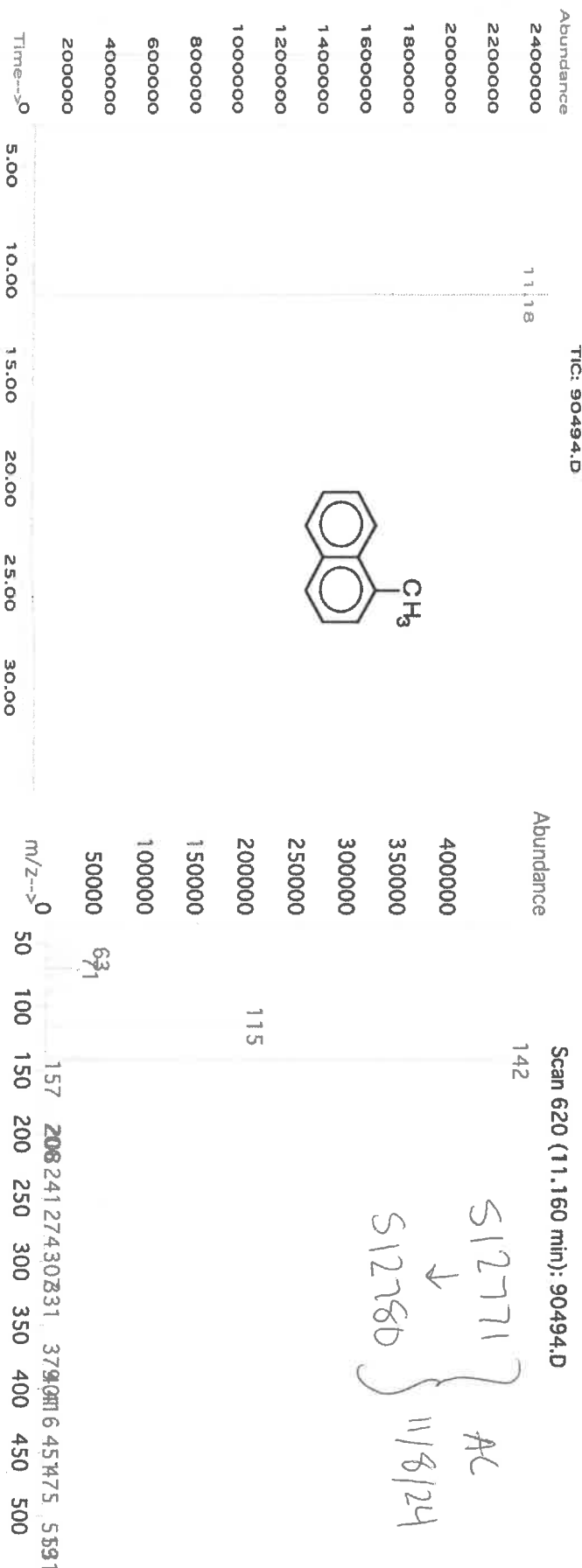
Solvent(s): Lot#
Methylene chloride C21F09CAS0000DCM

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 100.0
5E-05 Balance Uncertainty
0.031 Flask Uncertainty

Formulated By: <i>Praeshant Chauhan</i>	061323
Reviewed By: <i>Pedro L. Farias</i>	061323
DATE	

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50

1. 1-Methylnaphthalene 313 04413BX 2000 98 0.2 0.20417 0.20430 2001.2 8.3 90-12-0 N/A or: rat 1840mg/kg
Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B = 200°C, Detector B = 275°C,
 Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyel, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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S12992 } AC
12/17/20

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
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S12992 } AC
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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
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S12992 } AC
12/17/20

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
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S12992 } AC
12/17/20

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
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12/17/20

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
↓
S12992 } AC
12/17/20

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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5580 Skyline Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	531243	≤ -10 °C	Methylene Chloride	1/2/2030	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.4P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	993.8 ± 5.78
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

513057 } AC
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513061 } 1/16/25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



5580 Skylane Blvd
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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)

y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

513078 } AC
↓
513087 } 3/10/25

Manufactured by

Raevyn Steele

Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

*Not a certified value



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

513088 }
↓
513117 } 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511	
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916	
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612	
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402	1
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516	3
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980	5
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793	7
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269	9
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975	10
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566	11
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757	13
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584	14
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475	15
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888	16
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616	17
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489	18
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734	
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003	
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847	
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525	
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657	
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803	
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803	
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930	
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616	
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739	
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948	
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584	
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762	
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844	
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589	

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

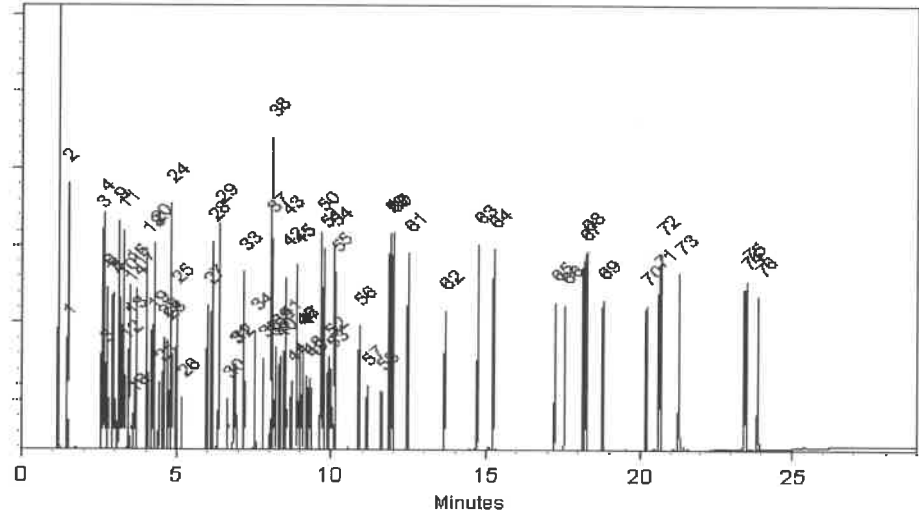
FID

Split Vent:

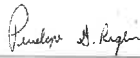
100 ml/min.

Inj. Vol

1µl

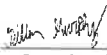


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025

Balance Serial # 1128360905


Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

513088 }
↓
513117 } 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511	
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916	
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612	
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402	1
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516	3
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980	5
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793	7
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269	9
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975	10
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566	11
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757	13
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584	14
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475	15
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888	16
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616	17
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489	18
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734	
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003	
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847	
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525	
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657	
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803	
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803	
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930	
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616	
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739	
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948	
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584	
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762	
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844	
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589	

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

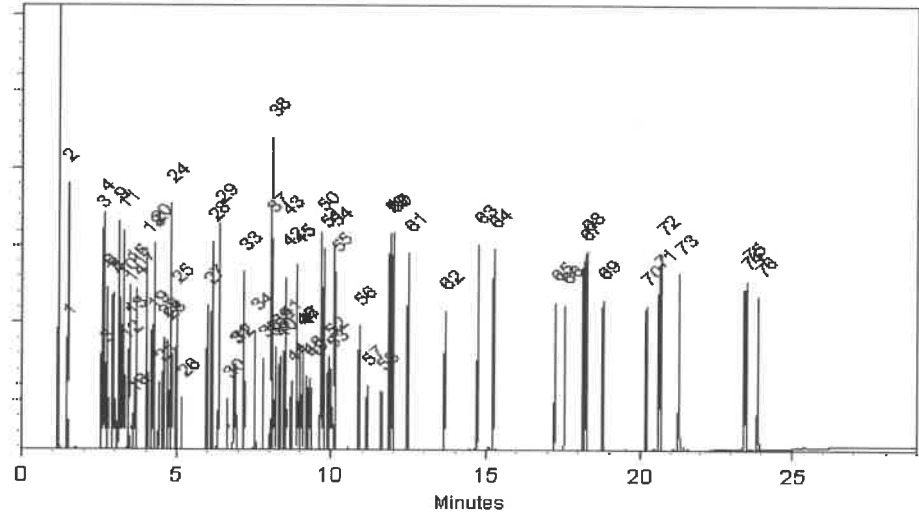
FID

Split Vent:

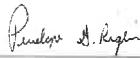
100 ml/min.

Inj. Vol

1µl

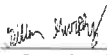


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025

Balance Serial # 1128360905


Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard
Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder
Ship: Ambient

513158 } RC/
↓
513167 } 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025

Balance: C322230531

REVIEWED
By: [Signature] Murphy at 11:21 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard
Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

513158 } RC/
↓
513167 } 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025

Balance: C322230531

REVIEWED
By: [Signature] Murphy at 11:21 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13168
↓
S13197 } AC
6/9/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13168
↓
S13197 } AC
6/9/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

S13198
↓
S13207 } AC
6/11/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025

Balance: 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

S13198
↓
S13207 } AC
6/11/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025

Balance: 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 70434
Lot Number: 121622
Description: Acetophenone
Expiration Date: 121627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 50.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Solvent(s): Methylene chloride C21F09CAS000DDCM	Lot#
Formulated By: Benson Chan	Reviewed By: Pedro L. Rentas
DATE 121622	DATE 121622

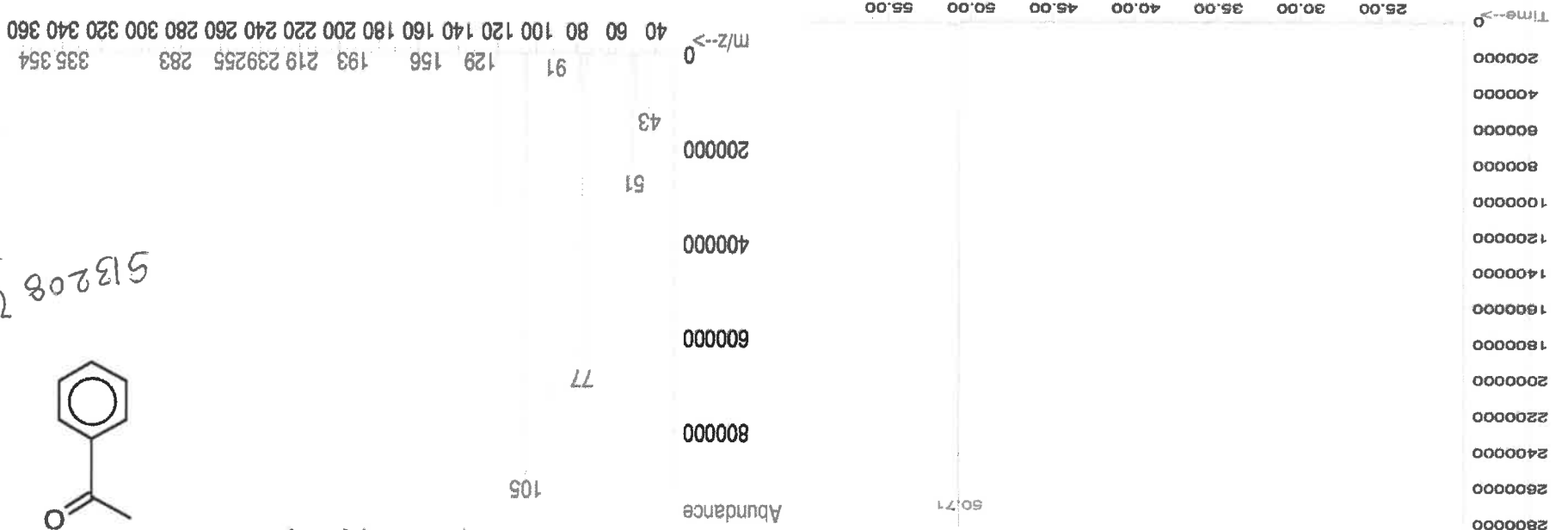
SDS Information

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acetophenone	434	04511JX	1000	99	0.2	0.05055	0.05075	1004.0	4.5	98-86-2	N/A	oral 815mg/kg

Method: GC6MSD-1, Detector: MSD, Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness), **Oven Profile:** Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., **Injector Temp:** = 200°C, **Detector Temp:** = 220°C, **Analysis:** Candice Warren, Solvent delay = 25 minutes.

TIC: [BSB3]70434.D

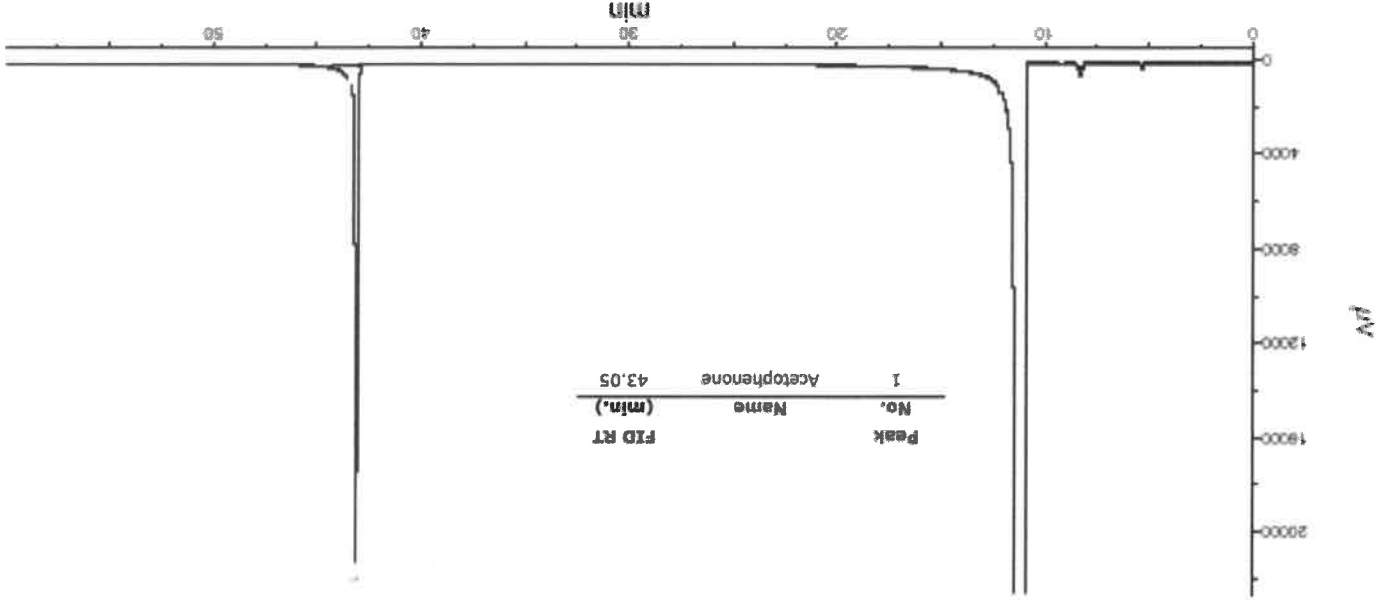
Scan 2222 (50.704 min): [BSB3]70434.D



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- All Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Comments
GC13-M1 Analysis by Melissa Stortier
Column ID SPB-Vocal 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=260mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.,
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min., Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edag Channel 1
Standard Injection = 0.5µL, Range=3





CERTIFIED WEIGHT REPORT

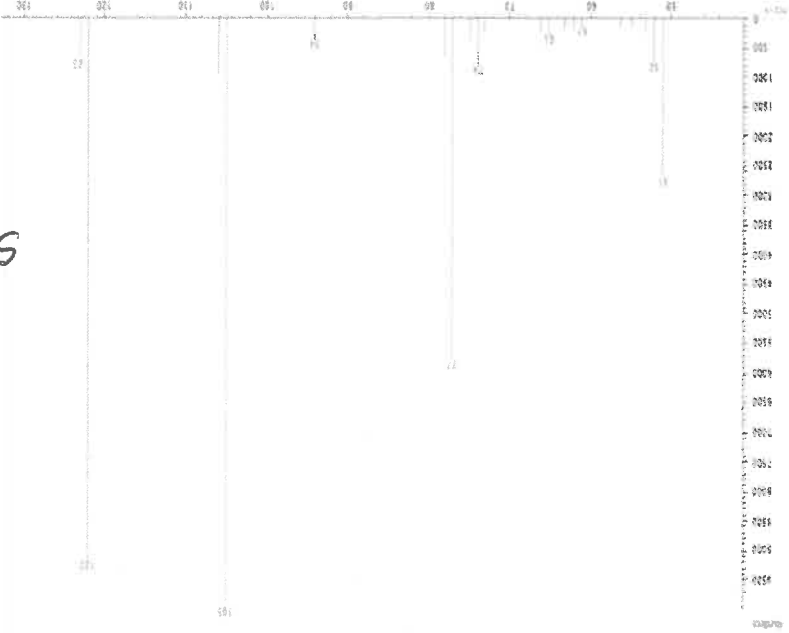
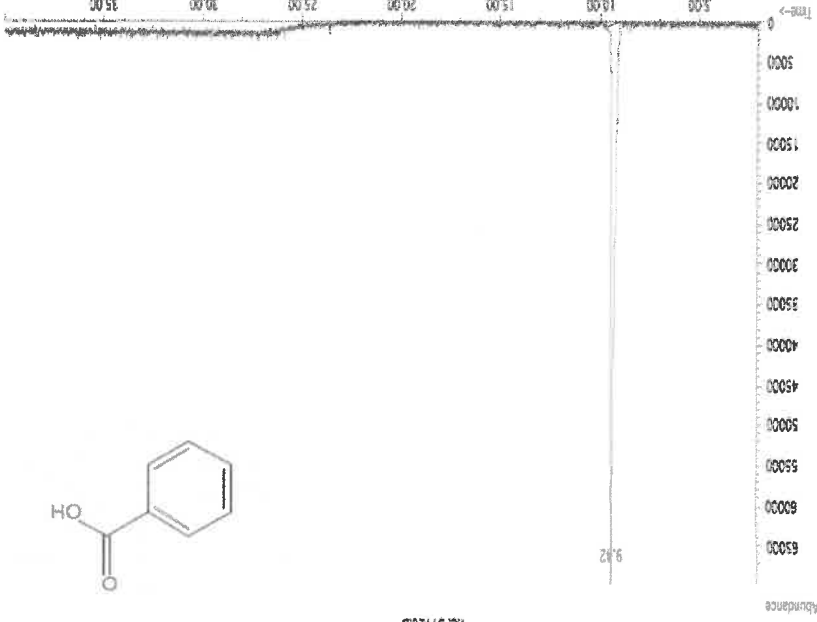
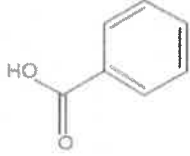
Part Number:	91126	Solvent(s):	Methylene chloride	Lot#	23343
Lot Number:	060625	Description:	Benzoic acid		
Expiration Date:	060630	Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	2000				
NIST Test ID#:	6UTB				
Weight(s) shown below were combined and diluted to (mL):	100.0				
	5E-05	Balance Uncertainty			
	0.031	Flask Uncertainty			

Formulated By:	Anthony Mahoney	DATE	060625
Reviewed By:	Pedro L. Rentas	DATE	060625

SDS Information

Compound	RM#	Lot	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
----------	-----	-----	----------------------	------------	--------------------	------------------	------------------	---------------------	----------------------------------	------	----------------	------

1. Benzoic acid	34	11930AW	2000.0	99	0.2	0.20211	0.20227	2001.6	8.2	65-85-0	N/A	oral rat 1700mg/kg
Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B = 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.												



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025

5132093 RC
6/19/25



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

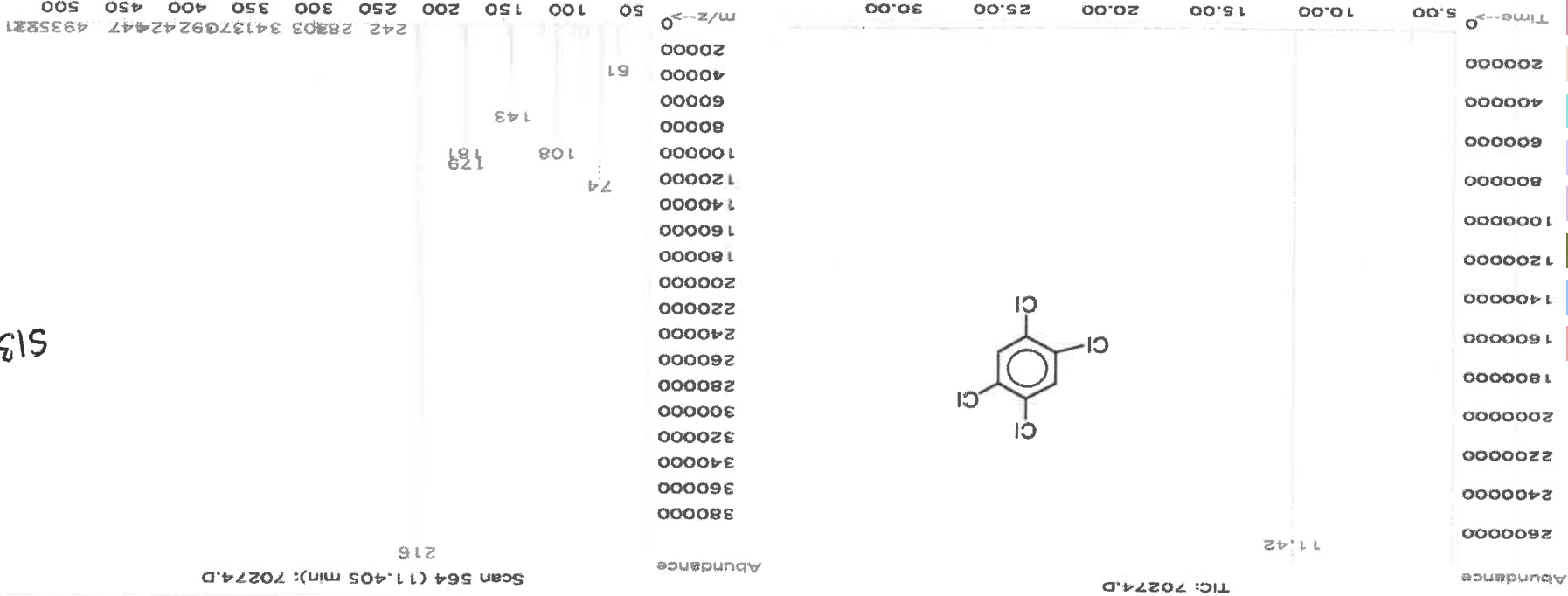
Part Number: 34571
Lot Number: 092324
Description: 1,2,4,5-Tetrachlorobenzene
Solvent(s): Methanol
Lot# E1863-US

Expiration Date: 092324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 25.0
5E-05 Balance Uncertainty
0.004 Flask Uncertainty

CAUTION: Sonicate Before Use

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1, 1,2,4,5-Tetrachlorobenzene	274	10408AS	5000	98	0.20	0.12761	0.12765	5001.4	20.8	95-94-3	N/A	or rat 1500mg/kg

Method GCMSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B = 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

5132113 RC
6/19/25



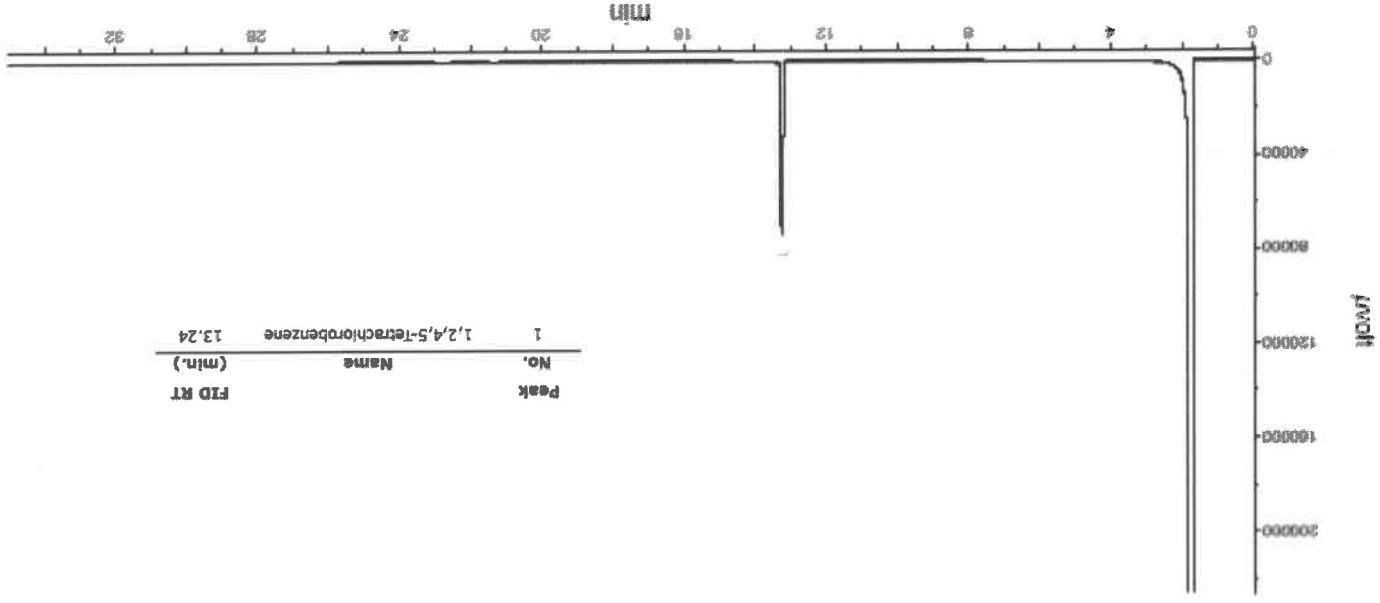
Run 31, "P34571 L092324 [5000µg/mL in MeOH]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Fri, Jan 3, 2025 at 11:24:40 AM.
Sampled: Sequence "010225-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Hydrogen (detector) = 30 mL,
Air (detector) = 360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 7

Peak No.	Name	FID RT (min.)
1	1,2,4,5-tetrachlorobenzene	13.24





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 } AC
↓
S13218 } 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 582978 **Lot No.:** A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

513229 } RC/
↓
513238 } 8/1/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

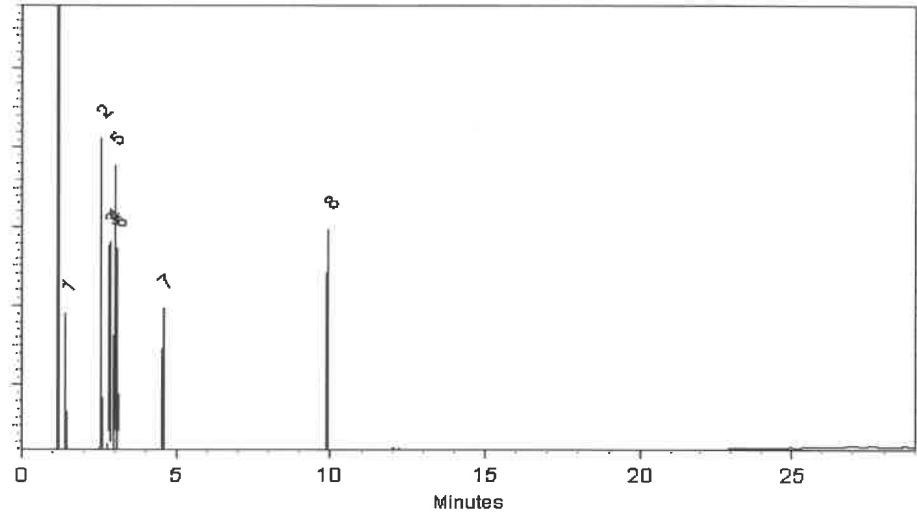
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres
Wilner Torres - Operation Tech I

Date Mixed: 27-Jul-2025

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 30-Jul-2025

REVIEWED
By: [Signature] Murphy at 10:28 pm, Jul 30, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702
Description : Custom Hexachlorocyclopentadiene Standard
Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : September 30, 2026 **Storage:** 10°C or colder
Ship: Ambient

513148
↓
513157 } RC
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



SHIPPING DOCUMENTS

- 1
- 2
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CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: FIRST ENVIRONMENT INC
ADDRESS: 10 PARK PLACE
CITY: BUTTER STATE: NJ ZIP: 07905
ATTENTION: AL SMITH
PHONE: 973-334-0003 FAX:

PROJECT NAME: USACE FIMP
PROJECT NO.: USACE 08-44 LOCATION: LONG BRANCH
PROJECT MANAGER: AL SMITH
e-mail: AL SMITH@FIRSTENVIRONMENT.COM
PHONE: 973-334-0003 FAX:

BILL TO: STATE PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT _____

1. VOC
2. SVOC
3. Metals
4. PCB
5. PCB
6. PCB
7. PCB
8. PCB
9. PCB

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TW-84 SB-E	GW		X	8/5/25	01:32	3	2	1		1	1					
2.	TW-17M-N	GW		X	8/5/25	05:17	3	2	1								
3.	TW-17M-W	GW		X	8/5/25	04:51	8	2	3	3							
4.	TW-82H-N	GW		X	8/6/25	02:00	3	2	1								
5.	TW-82H-E	GW		X	8/6/25	12:30	3	2	1								
6.	TW-82H-S	GW		X	8/6/25	01:00	3	2	1								
7.	TW-82H-W	GW		X	8/6/25	01:15	3	2	1								
8.	TW-38M-E	GW		X	8/6/25	10:49	3	2	1								
9.	TW-38M-W	GW		X	8/6/25	10:53	3	2	1								
10.	TW-38M-XI	GW		X	8/6/25	22:10	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>GMA</u>	DATE/TIME: <u>8/8/25 6:01</u>	RECEIVED BY: 1. <u>R. O. W.</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.6</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1	2	3	4	5	6	7	8	9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	TW-38M-S	GW		4	8/4/25	0946	3	2	1									
2.	TW-BP-S	GW		4	8/4/25	1810	3	2	1									
3.	TW-BP-N	GW		4	8/4/25	1810	3	2	1									
4.	TW-BP-E	GW		4	8/4/25	1735	3	2	1									
5.	TW-BP-W	GW		4	8/4/25	1640	3	2	1									
6.	FB	GW		4	8/4/25	1810	3	2	1									
7.	TW-518R-S	GW		4	8/5/25	1027	3	2	1									
8.	TW-518R-N	GW		4	8/5/25	1037	3	2	1									
9.	TW-518R-E	GW		4	8/5/25	1047	3	2	1									
10.	TW-518R-W	GW		4	8/5/25	1057	3	2	1									

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. GME	DATE/TIME: 6:01	RECEIVED BY: J. J. - 8-8-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 5.9 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

From: Yazmeen Gomez
Sent: Monday, August 11, 2025 2:55 PM
To: 'Daniel Ligon'
Cc: 'Alfred Smith'; Jordan Hedvat
Subject: RE: Bottleware Order - USACE018-44
Attachments: q2815.pdf; q2814.pdf

Good afternoon,

A few things -

- Below mentions Filtered and Unfiltered for 8 GW samples, however, we only received three unpreserved metals bottles - TW-84SB-E, TW-17M-W, and TW-11M-W.
- 8 samples not listed on the COC were received – TW-17M-E, TW-17M-S, TW-84SB-S, TW-84SB-W, TW-11M-W, TW-11M-E, TW-11M-S, TW-11M-N.
- PCB and PESTICIDE are not mentioned the GW COC's however, I went off the below request and do have PEST and PCB logged for some of the samples.
- Once I sign off the login summaries will be sent to you – please confirm everything looks good, or if anything needs to be updated.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com   

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Friday, August 1, 2025 11:03 AM
To: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>; Daniel Ligon <DLigon@firstenvironment.com>
Cc: Alfred Smith <asmith@firstenvironment.com>
Subject: RE: Bottleware Order - USACE018-44

Hi Daniel,

Bottle order delivery for today confirmed.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com     

From: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Sent: Friday, August 1, 2025 8:14 AM
To: Daniel Ligon <DLigon@firstenvironment.com>
Cc: Alfred Smith <asmith@firstenvironment.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: Re: Bottleware Order - USACE018-44

Hi Daniel,

We will process the bottle order for delivery. Do you need TeraCore or Encores for VOC soil? If not we will provide jars for those tests as well. Please reach out if we can help with anything else.

Regards,

Jordan

Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Daniel Ligon <DLigon@firstenvironment.com>
Sent: Thursday, July 31, 2025 4:53 PM
To: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Cc: Alfred Smith <asmith@firstenvironment.com>
Subject: Bottleware Order - USACE018-44

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Jordan – I have a bottleware order for some sampling we have next week in Long Island, NY. We'd like to have this delivered tomorrow if possible – sorry for the late email. First thing Monday morning would work as well for delivery to our office in Butler. See the following for # of samples we need with the parameters:

- 48x soil VOCs via EPA Method 8260
- 48x soil SVOCs via EPA Method 8270

- 8x soil Pesticides/PCBs via EPA Methods 8081/8082
- 8x soil TAL Metals (filtered and unfiltered)
- 48x groundwater VOCs via EPA Method 8260
- 48x groundwater SVOCs via EPA Method 8270
- 8x groundwater Pesticides/PCBs via EPA Methods 8081/8082
- 8x groundwater TAL Metals (filtered and unfiltered)
- 3 soil, 3 groundwater field duplicates
- 6 field blanks
- Trip blanks in every cooler

Let me know if this can be accommodated. Thanks!

Daniel Ligon
Environmental Specialist



First Environment, Inc.
10 Park Place, Bldg 1A, Suite 504
Butler, NJ 07405
Ph: 973-334-0003 ext. 224
Cell: 973-873-8515
DLigon@firstenvironment.com
www.firstenvironment.com

1
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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2814 FIRS02

Order Date : 8/11/2025 10:31:02 AM

Project Mgr :

Client Name : First Environment, Inc.

Project Name : USACE018-44 DOD

Report Type : Level 4

Client Contact : Al Smith

Receive DateTime : ~~8/11/2025~~ 6:01:00 PM

EDD Type : EQUIS

Invoice Name : First Environment, Inc.

Purchase Order :

8/8/2025

Hard Copy Date :

Invoice Contact : Al Smith

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2814-01	TW-84SB-E	Water	08/05/2025	01:52 01:32	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-02	TW-17M-N	Water	08/05/2025	05:17	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-03	TW-17M-W	Water	08/05/2025	04:51	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-04	TW-82H-N	Water	08/06/2025	02:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-05	TW-82H-E	Water	08/06/2025	12:30	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-06	TW-82H-S	Water	08/06/2025	01:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-07	TW-82H-W	Water	08/06/2025	01:15	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-08	TW-38M-E	Water	08/06/2025	10:49					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2814 FIRS02

Order Date : 8/11/2025 10:31:02 AM

Project Mgr :

Client Name : First Environment, Inc.

Project Name : USACE018-44 DOD

Report Type : Level 4

Client Contact : Al Smith

Receive DateTime : ~~8/11/2025~~ 6:01:00 PM

EDD Type : EQUIS

Invoice Name : First Environment, Inc.

Purchase Order : 8/8/2025

Hard Copy Date :

Invoice Contact : Al Smith

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2814-09	TW-38M-W	Water	08/06/2025	10:33	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-10	TW-38M-N	Water	08/06/2025	12:10 10:10	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-11	TW-38M-S	Water	08/06/2025	09:46	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-12	TW-BP-S	Water	08/04/2025	18:10	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-13	TW-BP-N	Water	08/04/2025	18:10	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-14	TW-BP-E	Water	08/04/2025	17:35	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-15	TW-BP-W	Water	08/04/2025	16:40	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2814	FIRS02	Order Date : 8/11/2025 10:31:02 AM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/11/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order : 8/8/2025	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2814-16	FB	Water	08/04/2025	18:10	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-17	TW-518R-S TW-518R-S	Water	08/05/2025	10:27	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-18	TW-518R-N	Water	08/05/2025	10:37	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-19	TW-518R-E	Water	08/05/2025	10:47	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-20	TW-518R-W	Water	08/05/2025	10:57	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-21	TB	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2814	FIRS02	Order Date : 8/11/2025 10:31:02 AM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/11/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order : 8/8/2025	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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*shared in WA
Ref #04*

Relinquished By :

Date / Time :

Al Smith
8/11/25 11:56

Received By :

Date / Time :

Wm D. Adol
8/11/25 12:05 pm

Storage Area : VOA Refridgerator Room

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143345.D
 Acq On : 12 Aug 2025 10:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 12 13:17:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	154882	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	603685	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	326305	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	511556	20.000	ng	0.00
76) Chrysene-d12	14.086	240	288804	20.000	ng	0.00
86) Perylene-d12	15.580	264	252284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	181196	20.231	ng	0.00
7) Phenol-d6	6.551	99	233168	20.301	ng	-0.01
23) Nitrobenzene-d5	7.481	82	183453	18.924	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	41296	17.317	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	434554	22.583	ng	0.00
79) Terphenyl-d14	13.027	244	388588	24.022	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	45069	9.724	ng	99
3) Pyridine	3.546	79	121796	9.862	ng	98
4) n-Nitrosodimethylamine	3.463	42	53152	9.239	ng	95
6) Aniline	6.587	93	165629	10.229	ng	98
8) 2-Chlorophenol	6.716	128	94079	9.830	ng	97
9) Benzaldehyde	6.481	77	85899	11.315	ng	99
10) Phenol	6.569	94	138719	10.195	ng	94
11) bis(2-Chloroethyl)ether	6.657	93	100958	10.068	ng	99
12) 1,3-Dichlorobenzene	6.869	146	114502	10.373	ng	99
13) 1,4-Dichlorobenzene	6.945	146	116940	10.555	ng	97
14) 1,2-Dichlorobenzene	7.098	146	109638	10.425	ng	99
15) Benzyl Alcohol	7.063	79	75894	9.218	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	186451	10.414	ng	96
17) 2-Methylphenol	7.175	107	80378	9.950	ng	99
18) Hexachloroethane	7.445	117	33555	9.660	ng	98
19) n-Nitroso-di-n-propyla...	7.328	70	72922	10.275	ng	95
20) 3+4-Methylphenols	7.328	107	103058	10.548	ng	# 85
22) Acetophenone	7.328	105	144189	10.840	ng	98
24) Nitrobenzene	7.504	77	99226	9.425	ng	98
25) Isophorone	7.739	82	199699	10.091	ng	98
26) 2-Nitrophenol	7.822	139	25672	9.265	ng	98
27) 2,4-Dimethylphenol	7.857	122	78873	9.553	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	123627	10.232	ng	99
29) 2,4-Dichlorophenol	8.069	162	77156	9.568	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	87392	10.274	ng	98
31) Naphthalene	8.233	128	308901	10.634	ng	98
32) Benzoic acid	7.939	122	17211	9.156	ng	93
33) 4-Chloroaniline	8.275	127	105601	10.079	ng	99
34) Hexachlorobutadiene	8.351	225	54615	10.321	ng	99
35) Caprolactam	8.610	113	18357	8.098	ng	93
36) 4-Chloro-3-methylphenol	8.757	107	82681	9.780	ng	96
37) 2-Methylnaphthalene	8.922	142	203203	10.641	ng	100
38) 1-Methylnaphthalene	9.022	142	197497	10.738	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	92307	10.338	ng	99
41) Hexachlorocyclopentadiene	9.081	237	14343	10.801	ng	100
43) 2,4,6-Trichlorophenol	9.198	196	44424	8.769	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143345.D
 Acq On : 12 Aug 2025 10:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 12 13:17:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

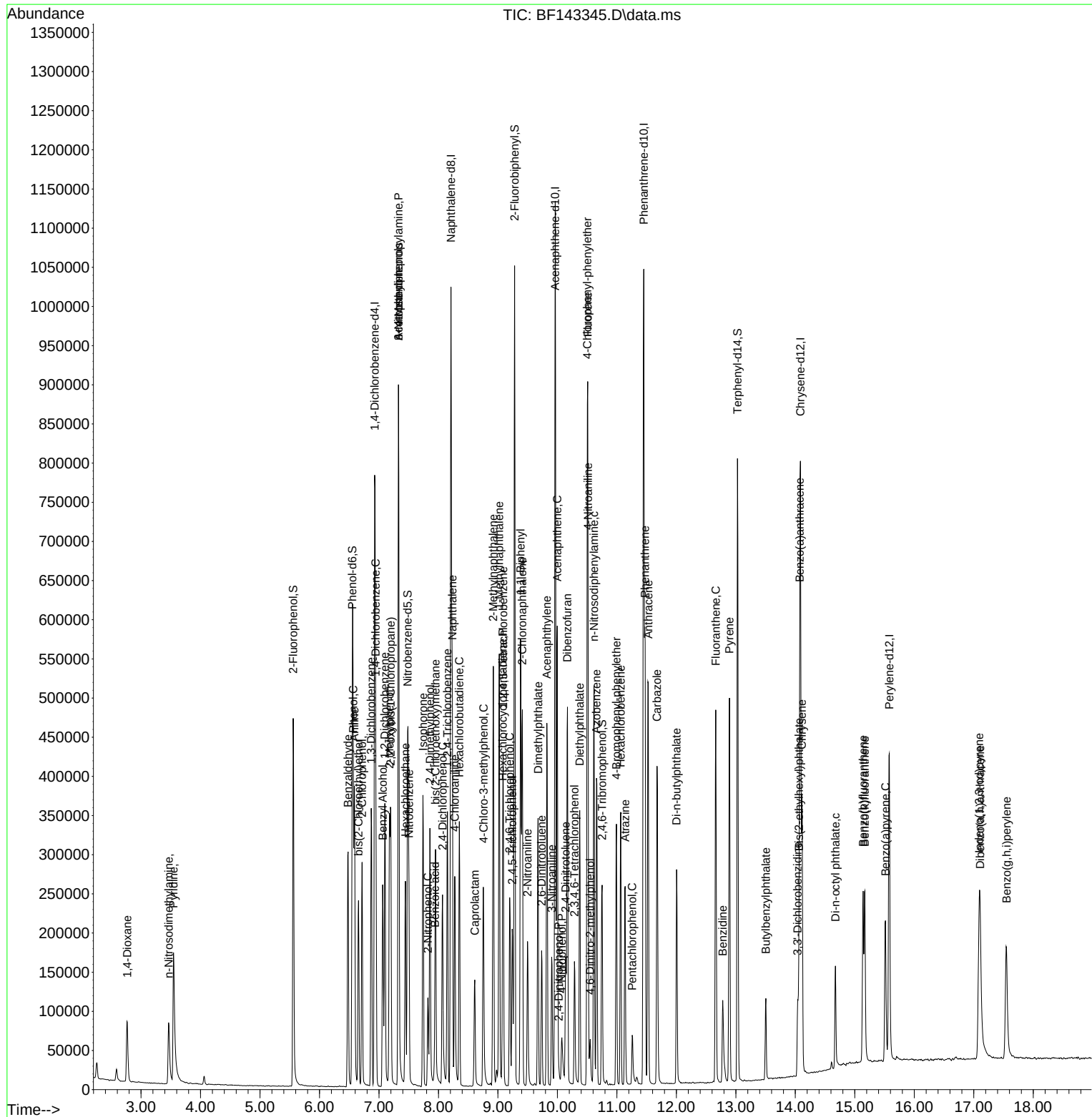
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	50263	8.786	ng	98
46) 1,1'-Biphenyl	9.380	154	245641	10.647	ng	99
47) 2-Chloronaphthalene	9.410	162	191809	10.556	ng	98
48) 2-Nitroaniline	9.498	65	36444	9.319	ng	93
49) Acenaphthylene	9.822	152	274441	10.459	ng	99
50) Dimethylphthalate	9.675	163	192210	10.081	ng	100
51) 2,6-Dinitrotoluene	9.733	165	24005	9.205	ng	88
52) Acenaphthene	9.998	154	183915	10.543	ng	100
53) 3-Nitroaniline	9.904	138	31507	8.069	ng	92
54) 2,4-Dinitrophenol	10.022	184	4834	10.356	ng	92
55) Dibenzofuran	10.169	168	267653	10.660	ng	99
56) 4-Nitrophenol	10.075	139	15708	10.166	ng	92
57) 2,4-Dinitrotoluene	10.139	165	31226	9.126	ng	91
58) Fluorene	10.510	166	210161	10.959	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	30681	7.955	ng	98
60) Diethylphthalate	10.375	149	173119	10.137	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	97989	10.575	ng	99
62) 4-Nitroaniline	10.516	138	32919	8.714	ng	97
63) Azobenzene	10.657	77	200367	10.272	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	9325	11.085	ng	92
66) n-Nitrosodiphenylamine	10.616	169	171289	10.169	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	56818	9.712	ng	97
68) Hexachlorobenzene	11.063	284	63639	10.091	ng	99
69) Atrazine	11.139	200	40124	9.133	ng	100
70) Pentachlorophenol	11.257	266	14951	10.407	ng	94
71) Phenanthrene	11.474	178	296410	10.620	ng	98
72) Anthracene	11.527	178	298872	10.559	ng	99
73) Carbazole	11.674	167	255831	10.613	ng	100
74) Di-n-butylphthalate	12.004	149	189069	9.269	ng	99
75) Fluoranthene	12.663	202	269569	11.026	ng	99
77) Benzidine	12.780	184	78152	9.898	ng	100
78) Pyrene	12.892	202	283403	11.697	ng	98
80) Butylbenzylphthalate	13.504	149	30088	9.196	ng	99
81) Benzo(a)anthracene	14.074	228	176759	9.629	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	36804	7.425	ng	98
83) Chrysene	14.110	228	180427	10.541	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	39945	9.191	ng	100
85) Di-n-octyl phthalate	14.674	149	78702	10.933	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	183505	10.153	ng	99
88) Benzo(b)fluoranthene	15.139	252	129605	9.392	ng	99
89) Benzo(k)fluoranthene	15.168	252	136296	10.165	ng	98
90) Benzo(a)pyrene	15.515	252	127540	9.814	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	146537	10.148	ng	98
92) Benzo(g,h,i)perylene	17.551	276	150383	10.338	ng	100

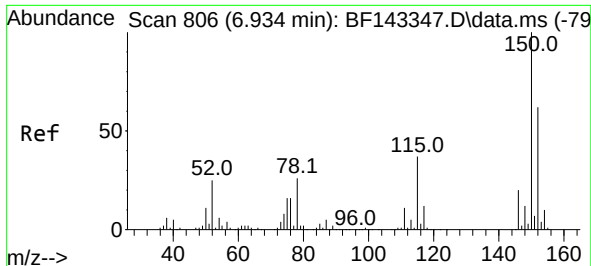
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

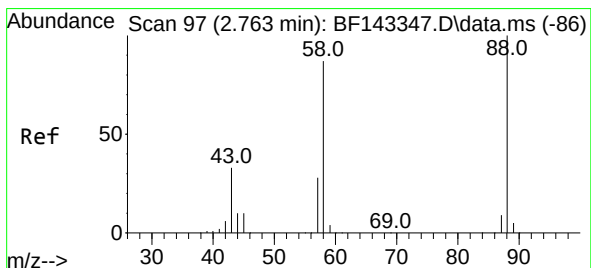
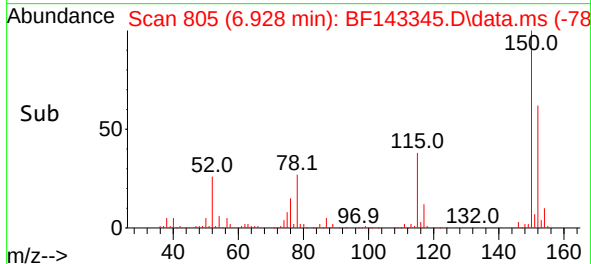
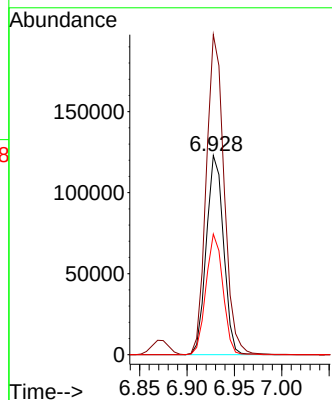
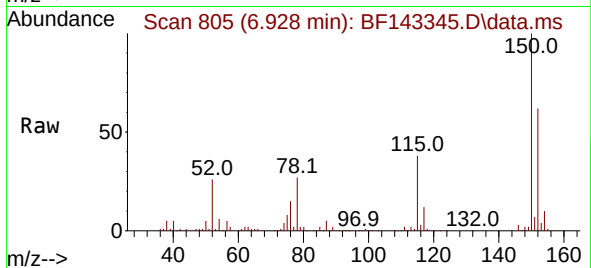




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

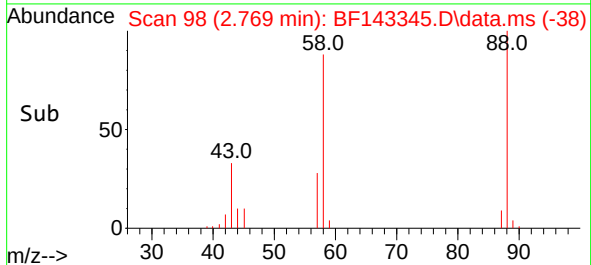
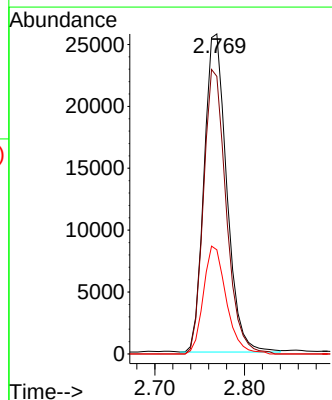
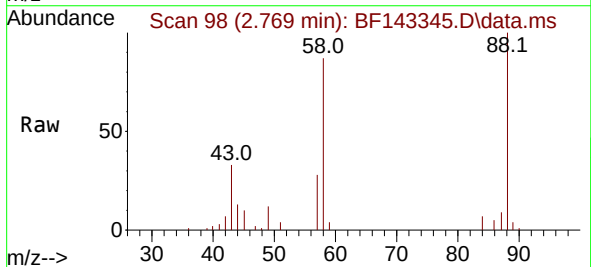
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

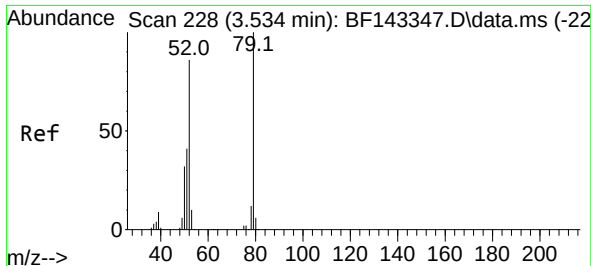
Tgt Ion:152 Resp: 154882
Ion Ratio Lower Upper
152 100
150 160.6 129.8 194.8
115 60.6 47.8 71.8



#2
1,4-Dioxane
Concen: 9.724 ng
RT: 2.769 min Scan# 98
Delta R.T. 0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

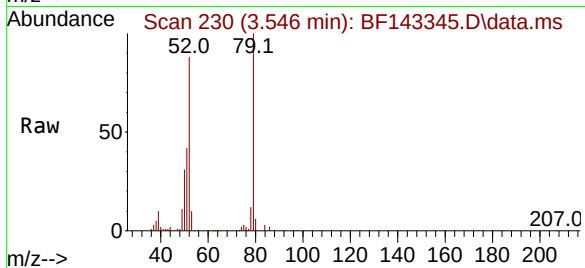
Tgt Ion: 88 Resp: 45069
Ion Ratio Lower Upper
88 100
58 89.2 71.0 106.6
43 34.2 27.0 40.6



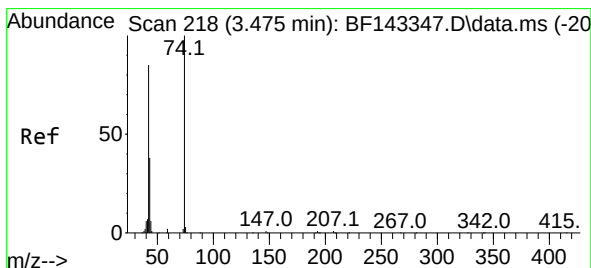
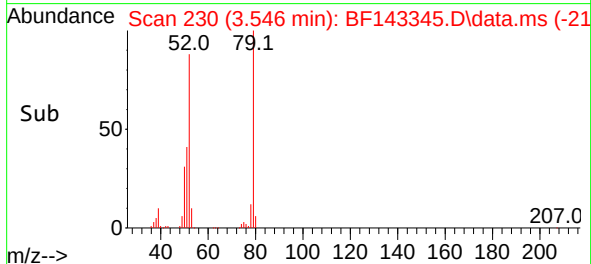
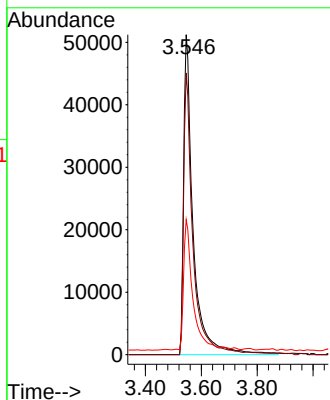


#3
Pyridine
Concen: 9.862 ng
RT: 3.546 min Scan# 216
Delta R.T. 0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

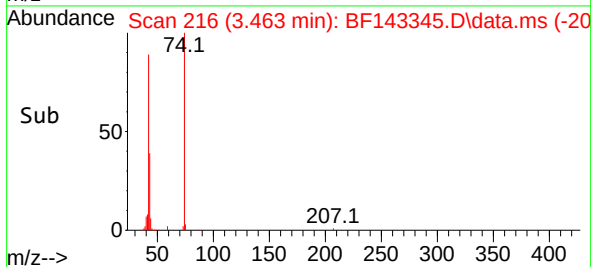
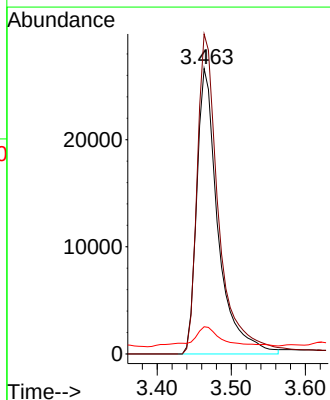
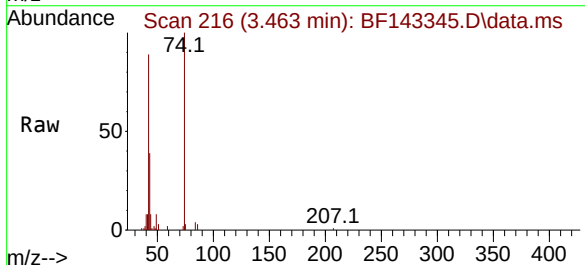


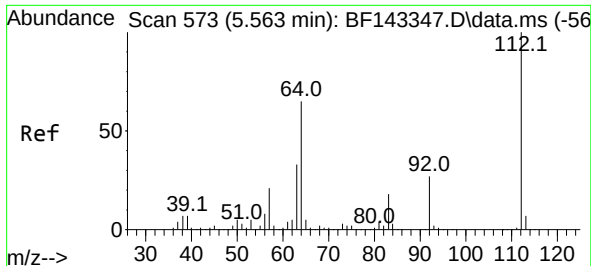
Tgt Ion: 79 Resp: 121796
Ion Ratio Lower Upper
79 100
52 88.0 68.7 103.1
51 42.2 33.4 50.0



#4
n-Nitrosodimethylamine
Concen: 9.239 ng
RT: 3.463 min Scan# 216
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 42 Resp: 53152
Ion Ratio Lower Upper
42 100
74 112.1 94.1 141.1
44 9.5 6.5 9.7

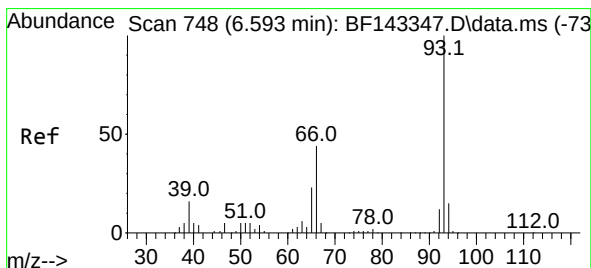
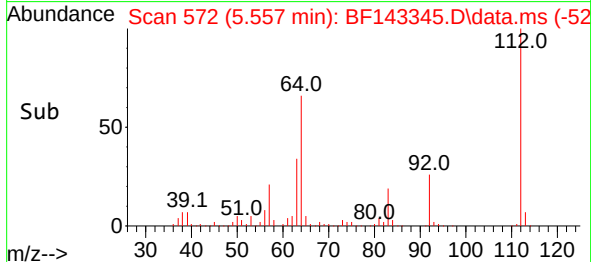
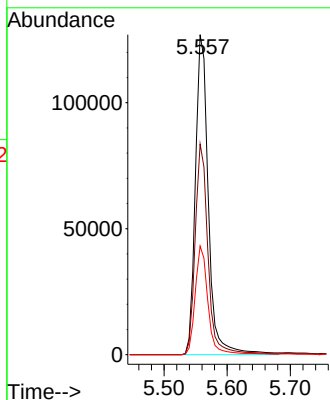
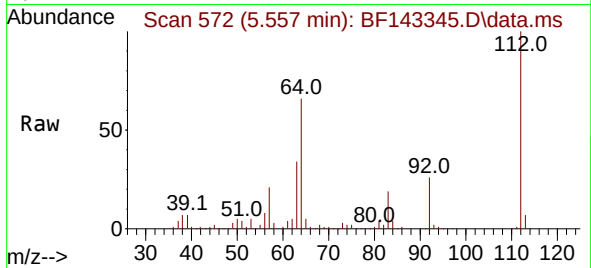




#5
2-Fluorophenol
Concen: 20.231 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

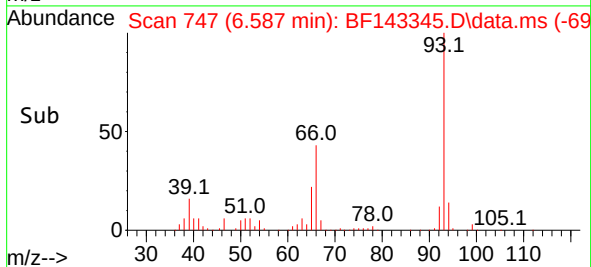
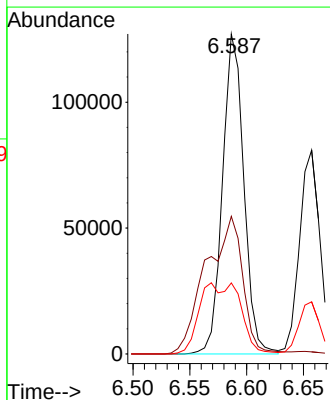
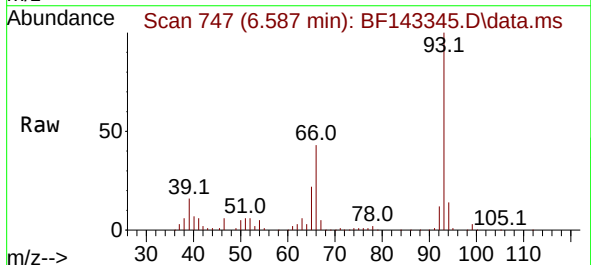
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

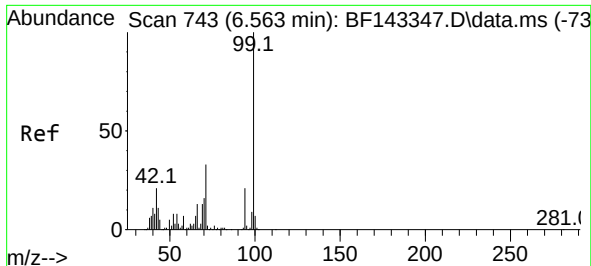
Tgt Ion:112 Resp: 181196
Ion Ratio Lower Upper
112 100
64 65.8 52.1 78.1
63 33.9 26.6 39.8



#6
Aniline
Concen: 10.229 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 165629
Ion Ratio Lower Upper
93 100
66 43.0 35.3 52.9
65 22.2 18.2 27.4

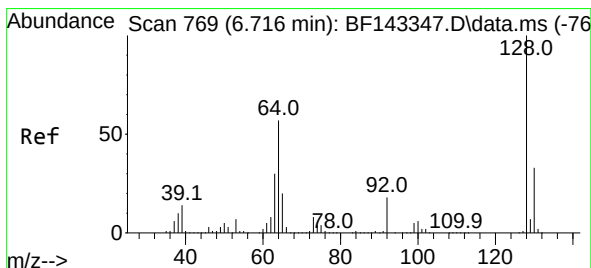
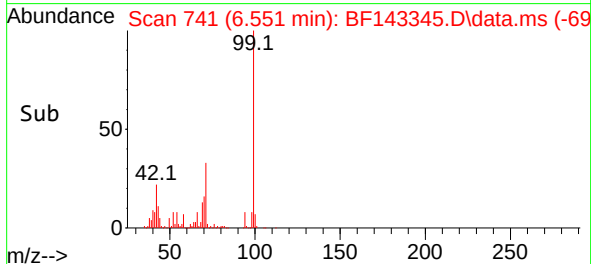
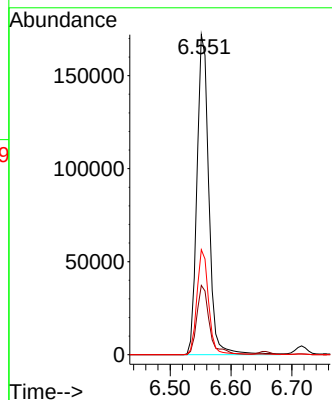
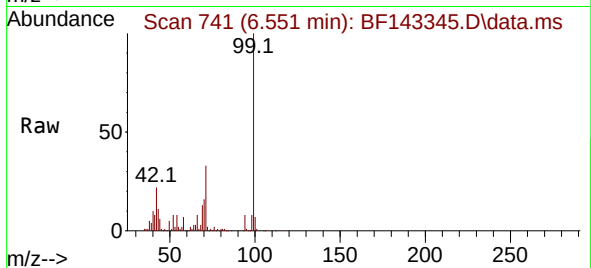




#7
Phenol-d6
Concen: 20.301 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

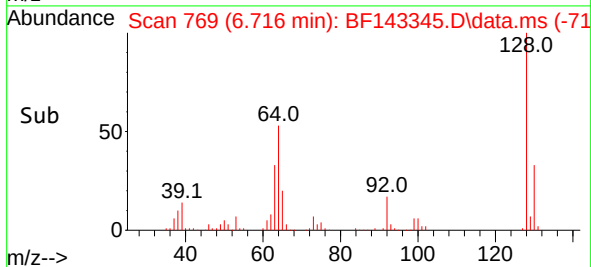
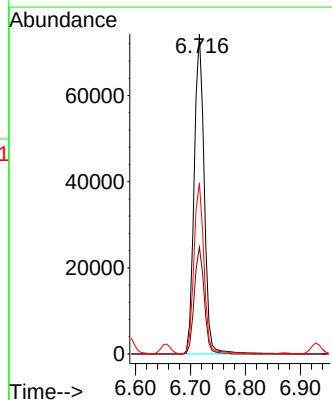
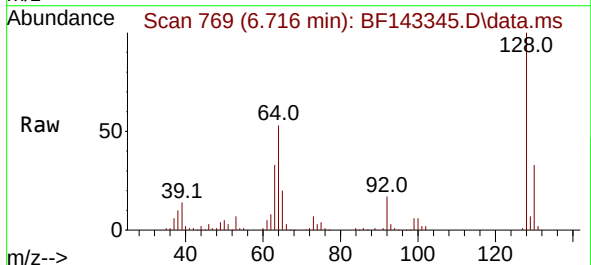
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

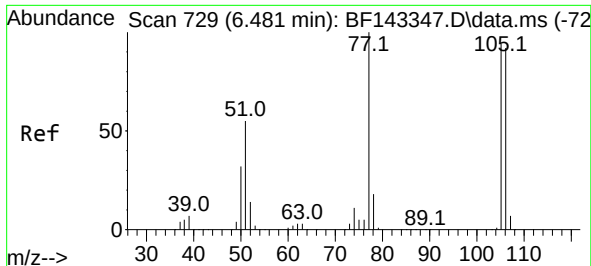
Tgt Ion: 99 Resp: 233168
Ion Ratio Lower Upper
99 100
42 21.7 16.6 25.0
71 32.8 26.2 39.2



#8
2-Chlorophenol
Concen: 9.830 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 128 Resp: 94079
Ion Ratio Lower Upper
128 100
130 33.4 12.6 52.6
64 53.4 36.7 76.7

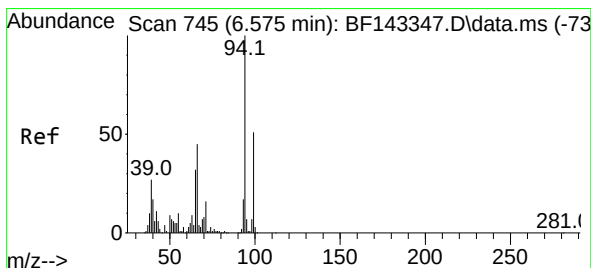
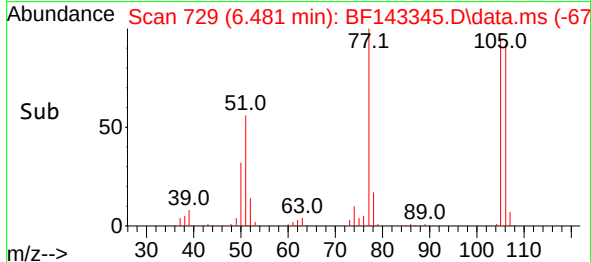
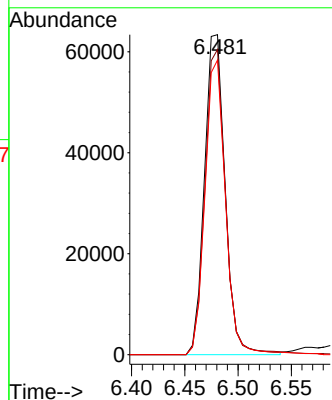
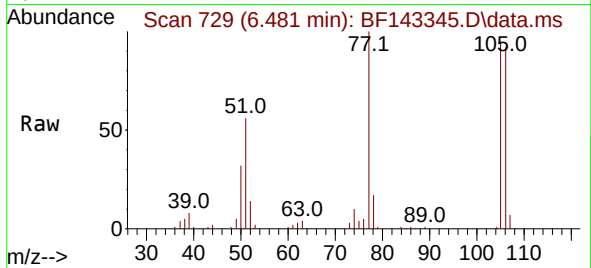




#9
Benzaldehyde
Concen: 11.315 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

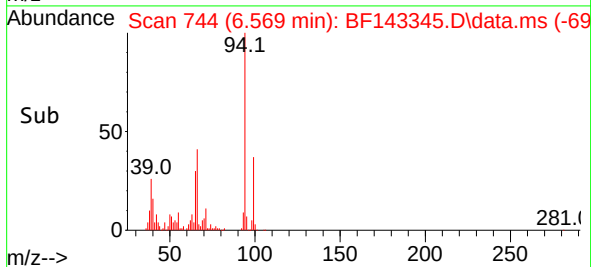
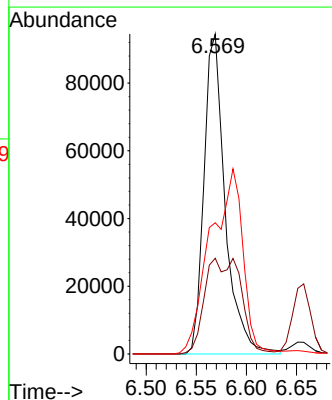
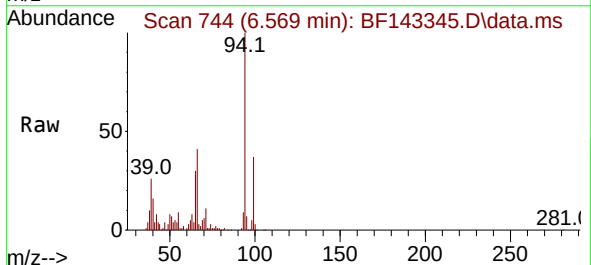
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

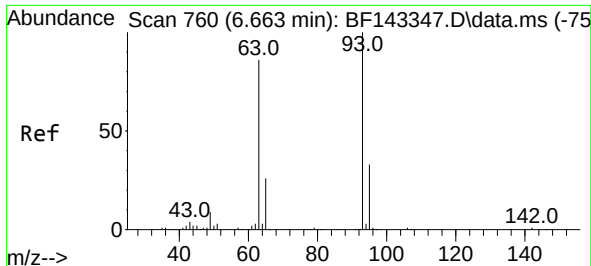
Tgt Ion: 77 Resp: 85899
Ion Ratio Lower Upper
77 100
105 95.4 74.2 114.2
106 92.0 72.2 112.2



#10
Phenol
Concen: 10.195 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 94 Resp: 138719
Ion Ratio Lower Upper
94 100
65 29.9 12.0 52.0
66 41.0 25.6 65.6

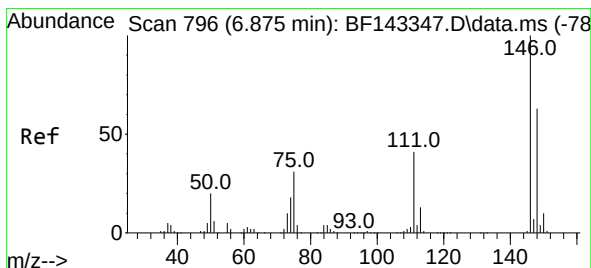
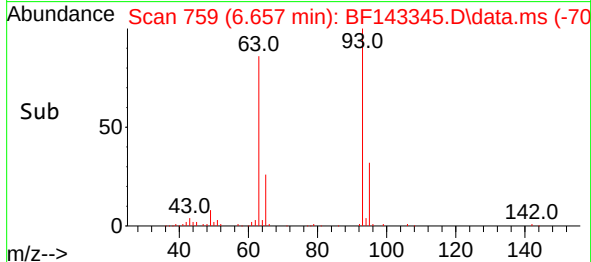
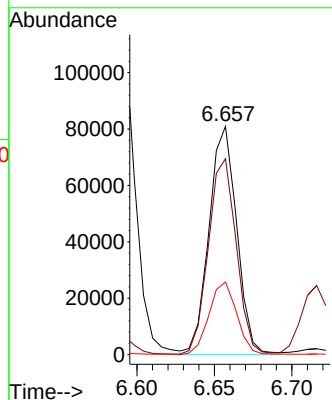
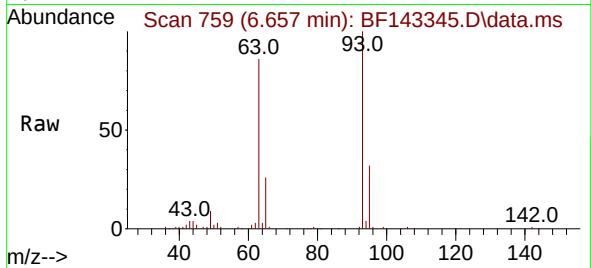




#11
bis(2-Chloroethyl)ether
Concen: 10.068 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

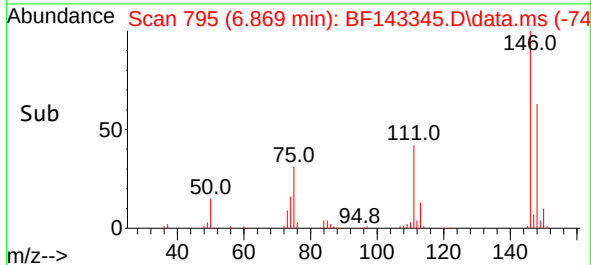
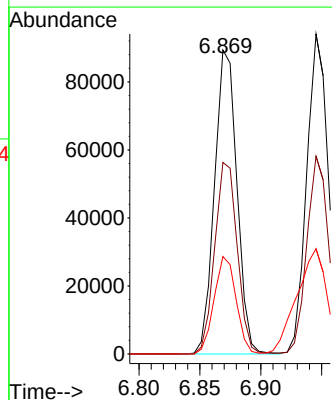
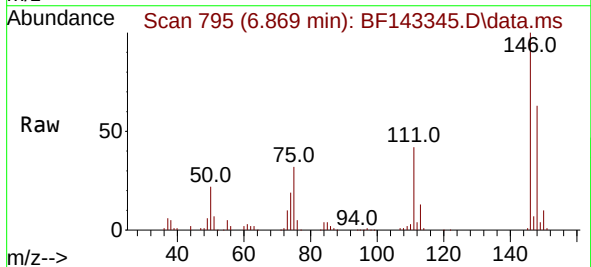
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

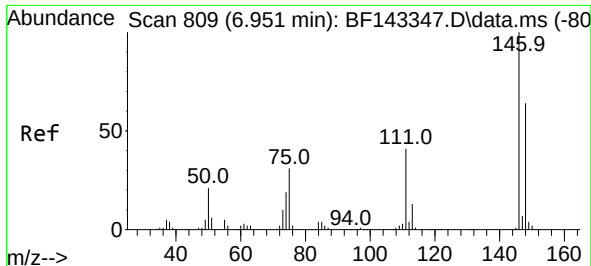
Tgt Ion: 93 Resp: 100958
Ion Ratio Lower Upper
93 100
63 85.8 65.7 105.7
95 31.8 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 10.373 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 146 Resp: 114502
Ion Ratio Lower Upper
146 100
148 63.0 50.5 75.7
75 32.1 24.9 37.3

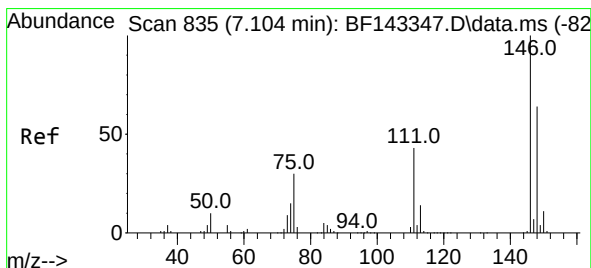
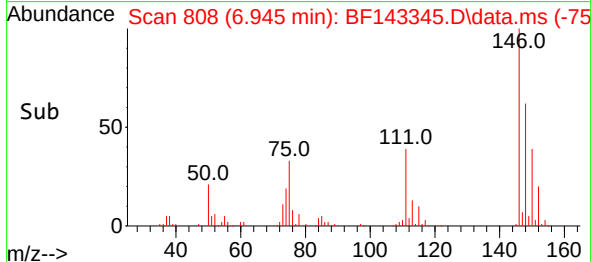
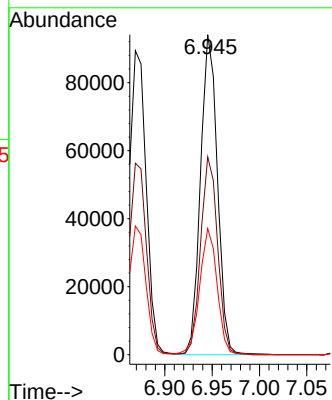
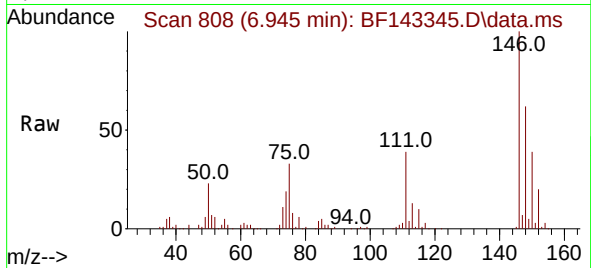




#13
1,4-Dichlorobenzene
Concen: 10.555 ng
RT: 6.945 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

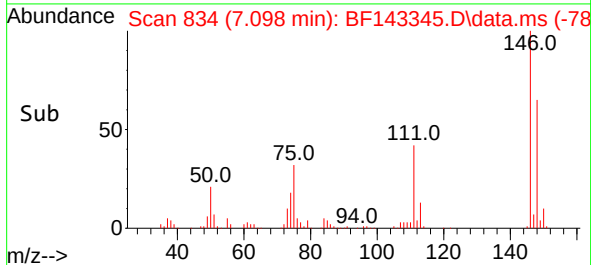
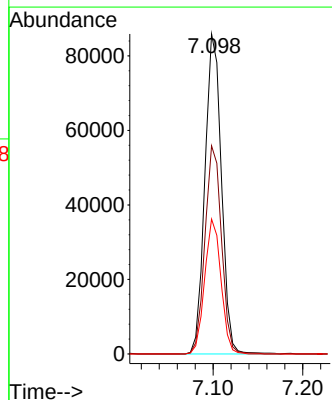
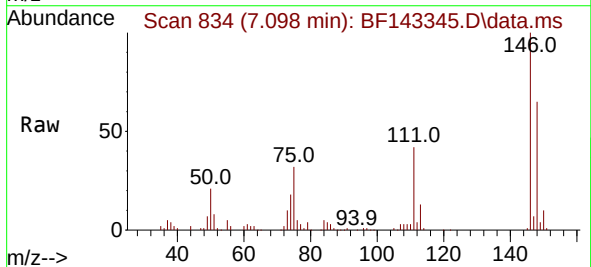
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

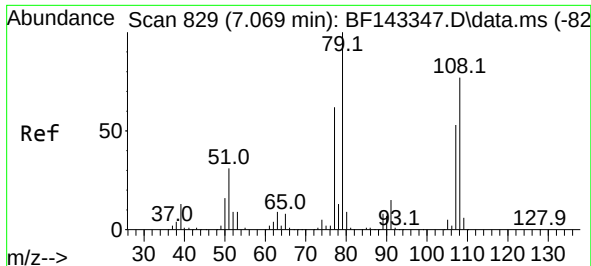
Tgt Ion:146 Resp: 116940
Ion Ratio Lower Upper
146 100
148 61.8 51.4 77.0
111 39.4 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 10.425 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 109638
Ion Ratio Lower Upper
146 100
148 65.0 51.4 77.2
111 42.2 34.1 51.1

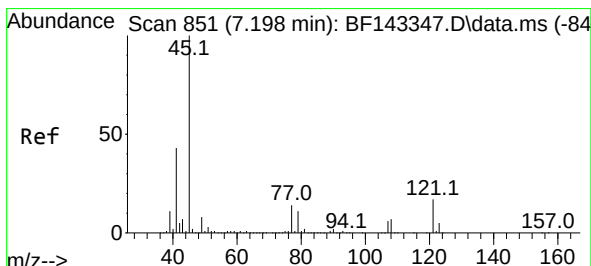
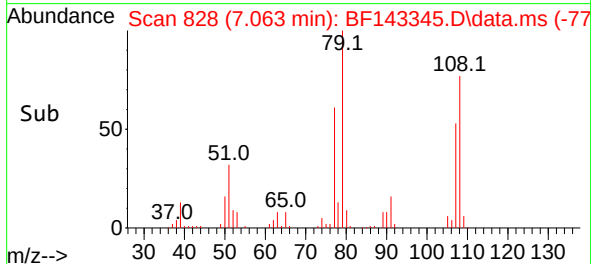
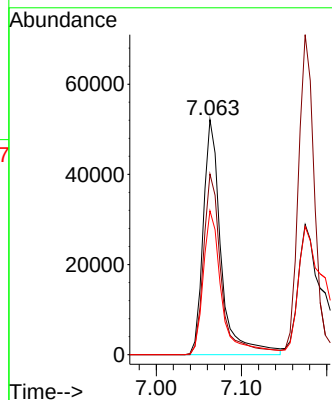
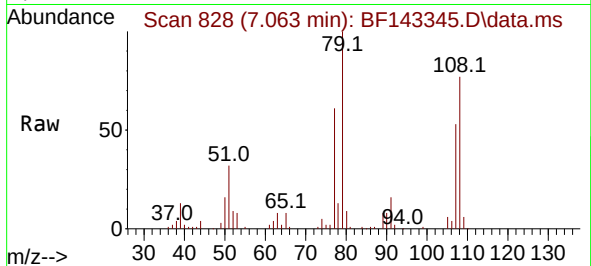




#15
Benzyl Alcohol
Concen: 9.218 ng
RT: 7.063 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

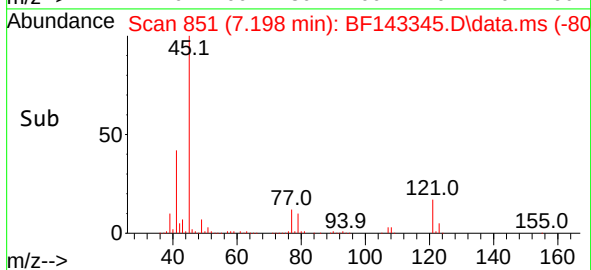
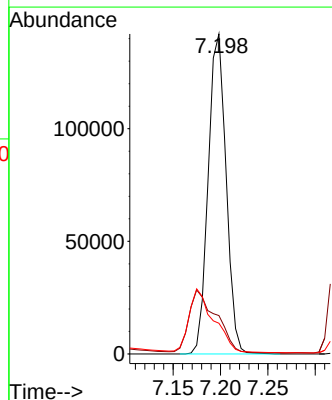
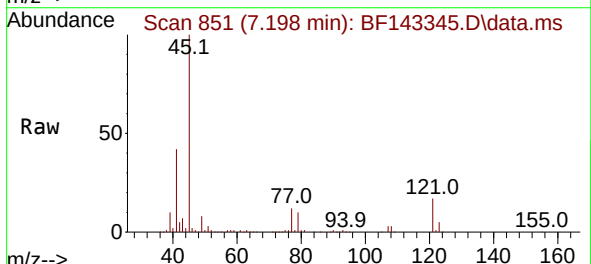
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

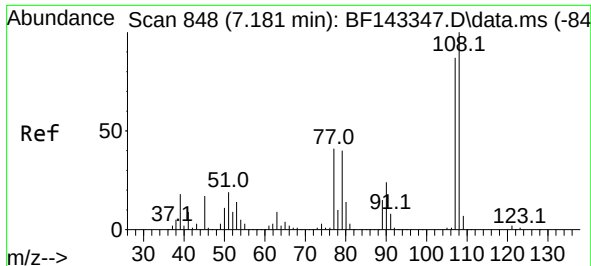
Tgt Ion:	79	Resp:	75894
Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.5	92.3
77	61.2	49.8	74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.414 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

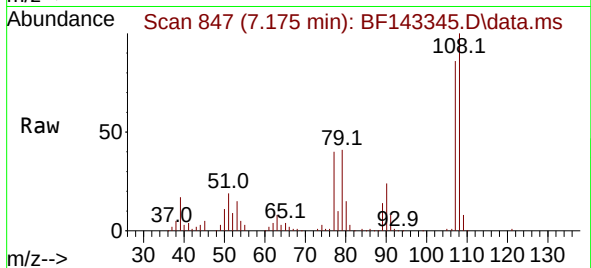
Tgt Ion:	45	Resp:	186451
Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	34.0
79	9.6	0.0	31.1



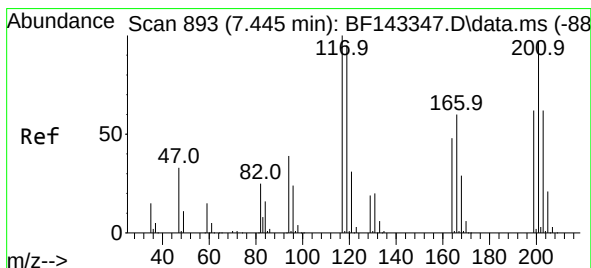
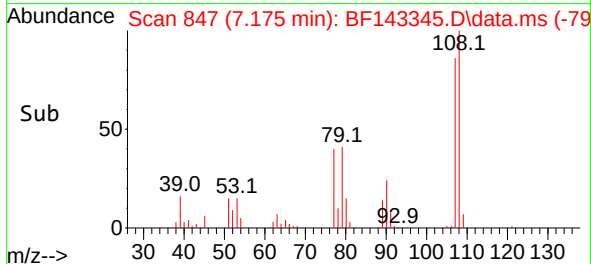
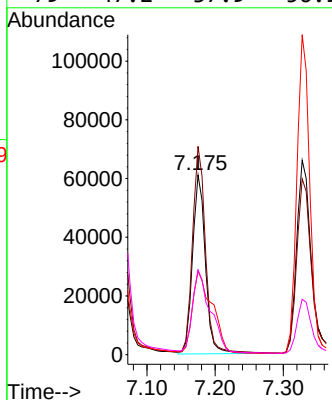


#17
2-Methylphenol
Concen: 9.950 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

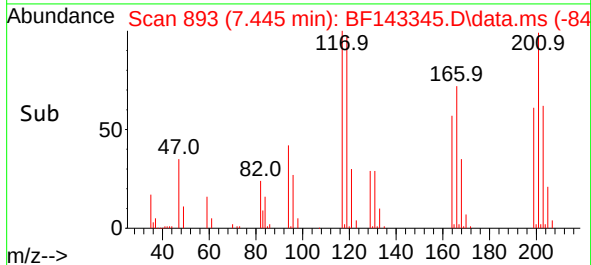
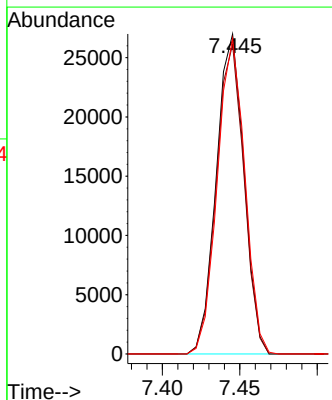
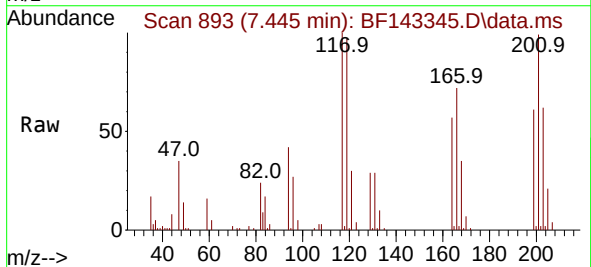


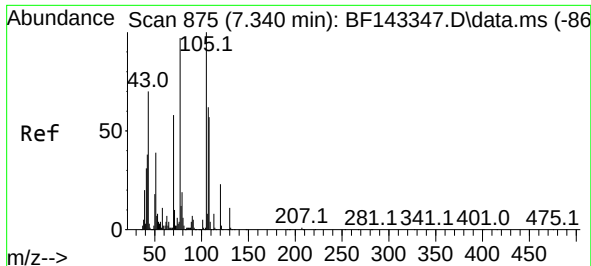
Tgt Ion:	107	Resp:	80378
Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.0	138.0
77	46.5	38.2	57.2
79	47.2	37.9	56.9



#18
Hexachloroethane
Concen: 9.660 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:	117	Resp:	33555
Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
201	98.6	77.2	115.8

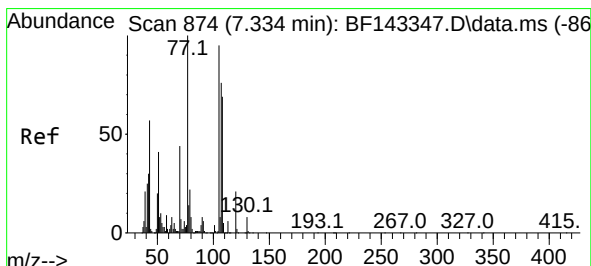
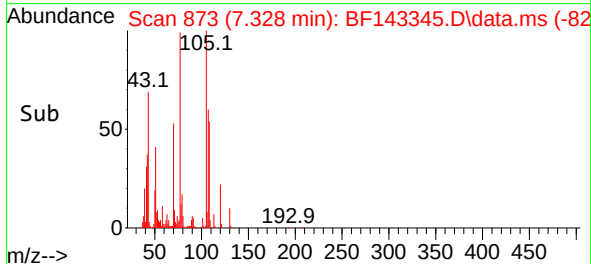
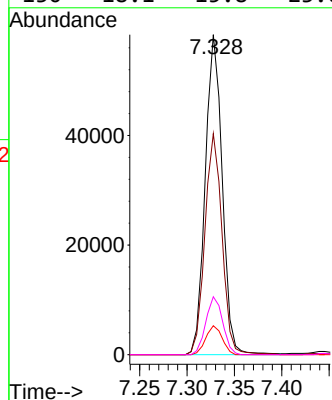
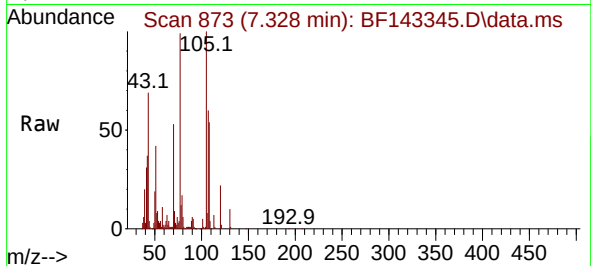




#19
n-Nitroso-di-n-propylamine
Concen: 10.275 ng
RT: 7.328 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

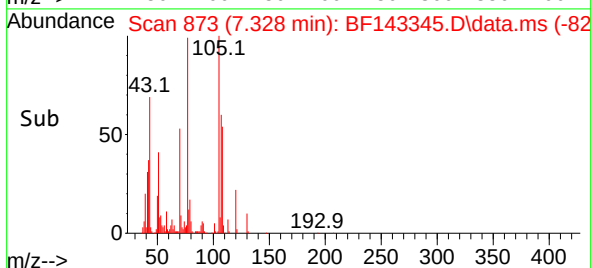
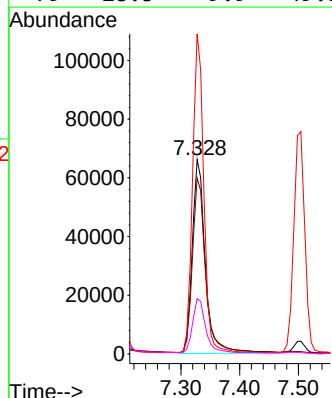
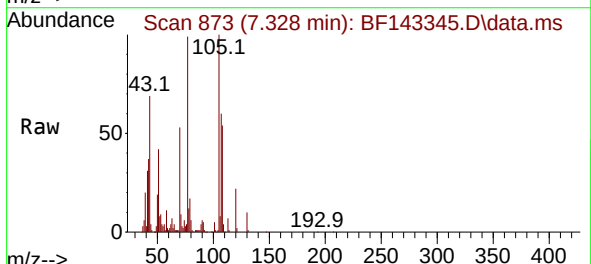
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

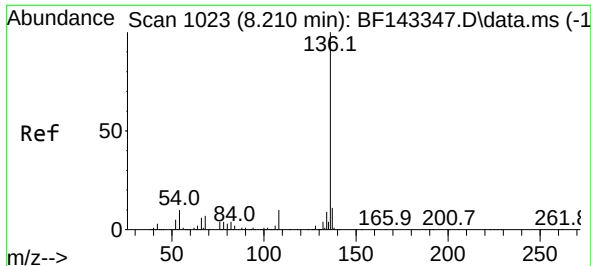
Tgt Ion: 70	Resp: 72922
Ion Ratio	Lower Upper
70 100	
42 69.0	51.6 77.4
101 9.1	7.5 11.3
130 18.1	15.8 23.6



#20
3+4-Methylphenols
Concen: 10.548 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt	Ion:107	Resp:	103058
Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.6	110.6
77	164.6	112.0	152.0#
79	28.5	9.9	49.9

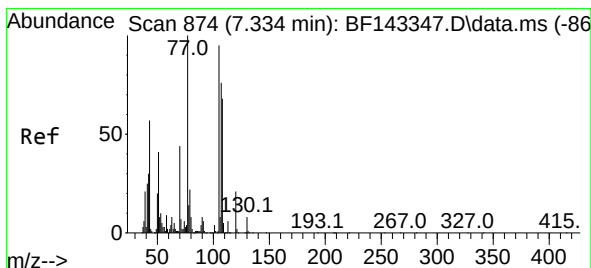
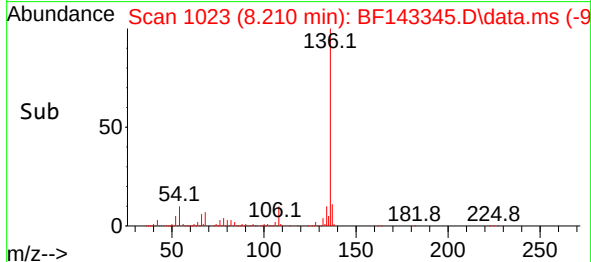
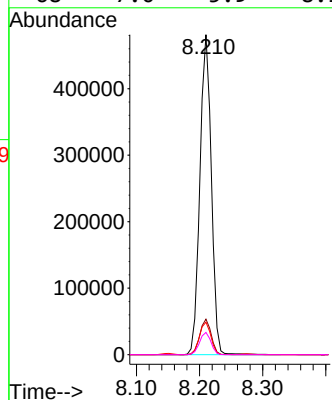
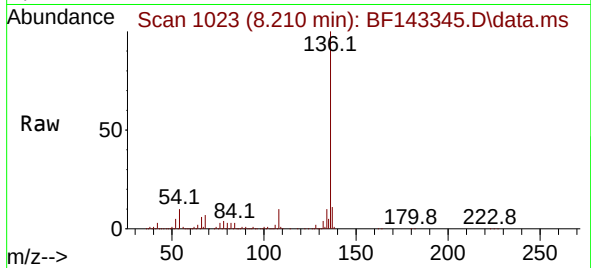




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

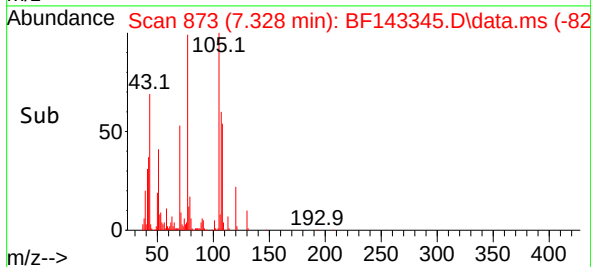
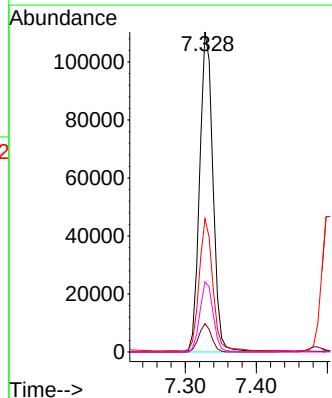
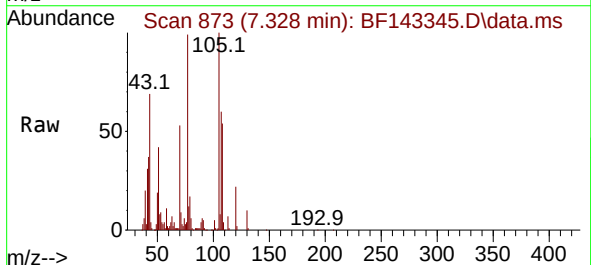
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

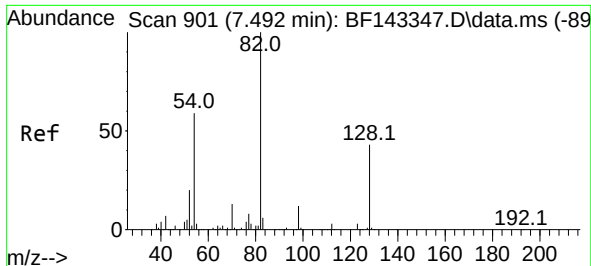
Tgt Ion:	136	Resp:	603685
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	10.2	8.4	12.6
68	7.0	5.9	8.9



#22
Acetophenone
Concen: 10.840 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:	105	Resp:	144189
Ion Ratio	Lower	Upper	
105	100		
71	8.8	6.2	9.4
51	41.6	34.8	52.2
120	21.9	17.9	26.9

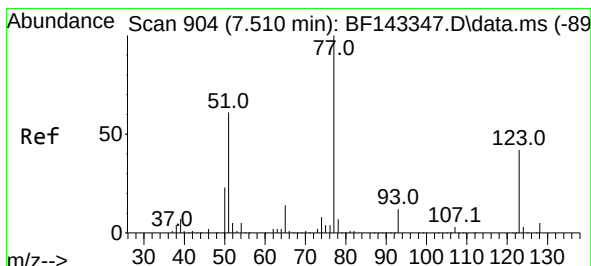
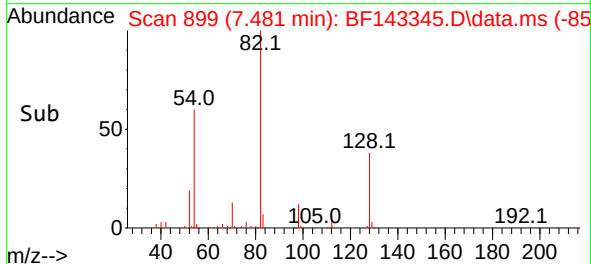
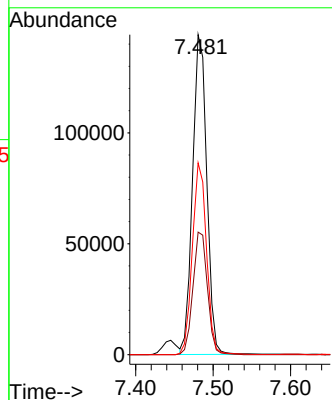
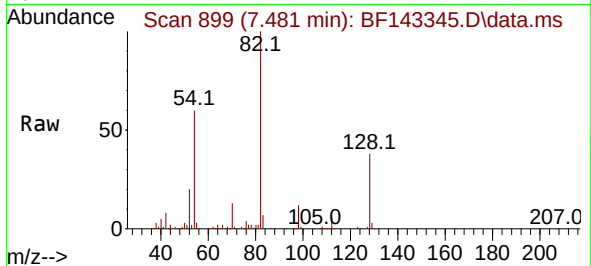




#23
Nitrobenzene-d5
Concen: 18.924 ng
RT: 7.481 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

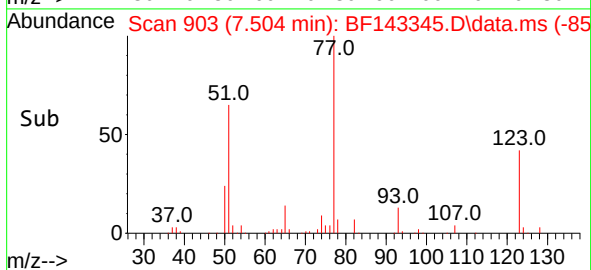
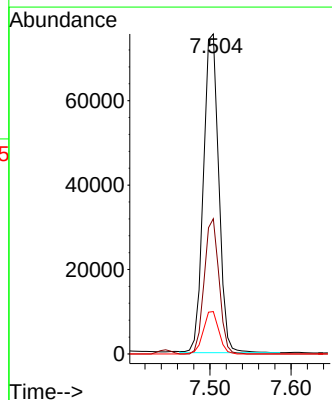
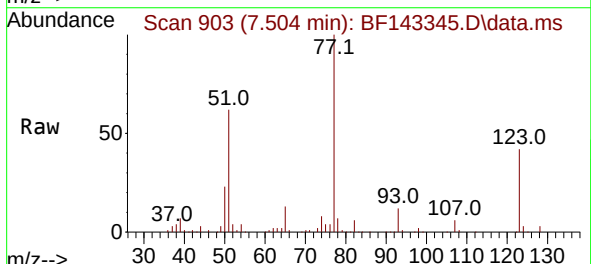
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

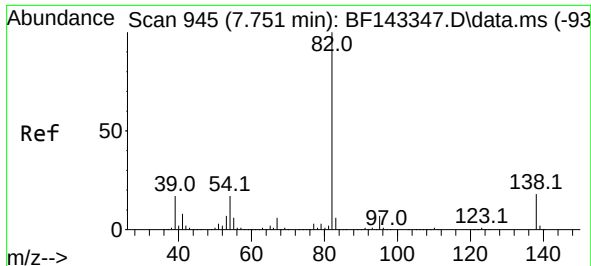
Tgt Ion: 82 Resp: 183453
Ion Ratio Lower Upper
82 100
128 38.3 33.5 50.3
54 60.0 46.7 70.1



#24
Nitrobenzene
Concen: 9.425 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 77 Resp: 99226
Ion Ratio Lower Upper
77 100
123 42.3 34.8 52.2
65 13.2 11.0 16.6

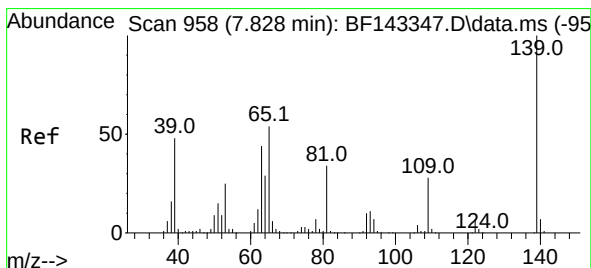
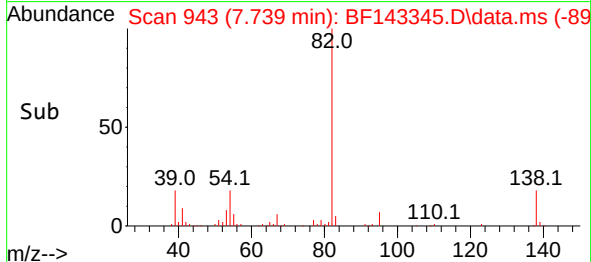
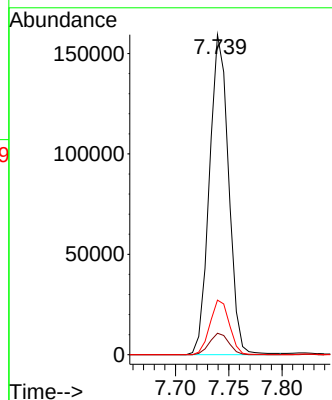
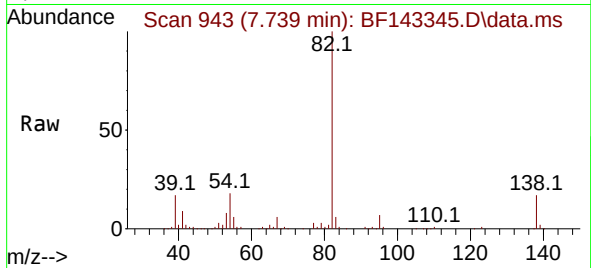




#25
Isophorone
Concen: 10.091 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

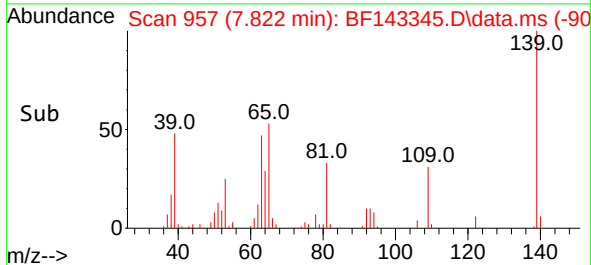
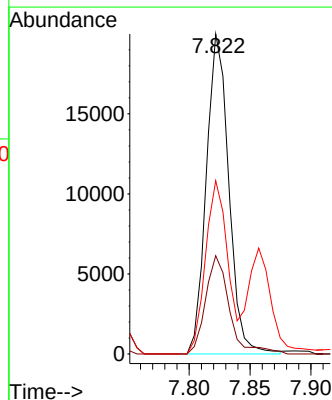
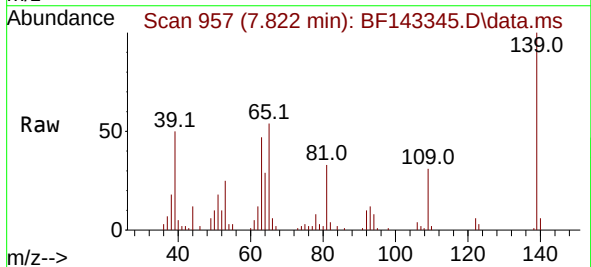
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

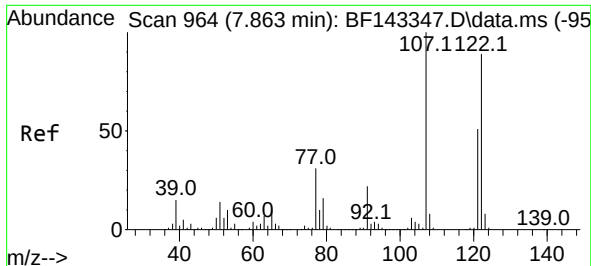
Tgt Ion: 82 Resp: 199699
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.1 14.6 21.8



#26
2-Nitrophenol
Concen: 9.265 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 139 Resp: 25672
Ion Ratio Lower Upper
139 100
109 30.7 22.4 33.6
65 54.1 42.9 64.3

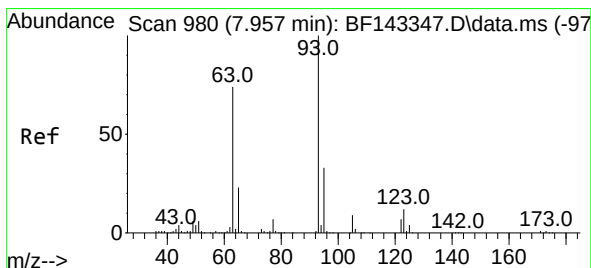
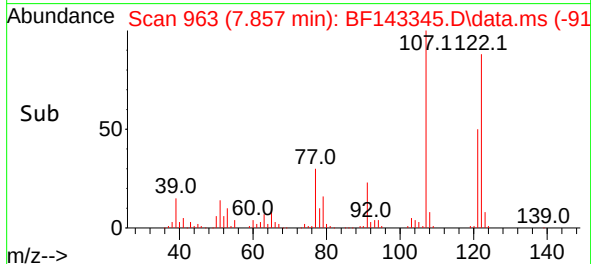
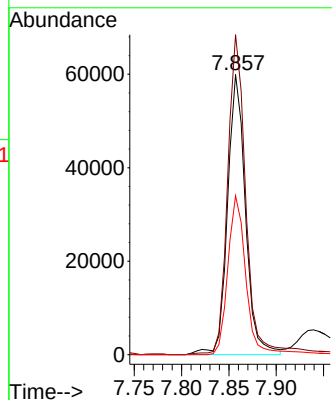
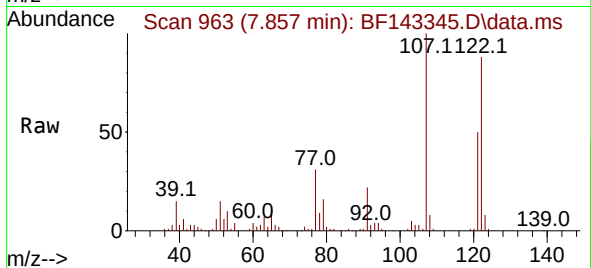




#27
2,4-Dimethylphenol
Concen: 9.553 ng
RT: 7.857 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

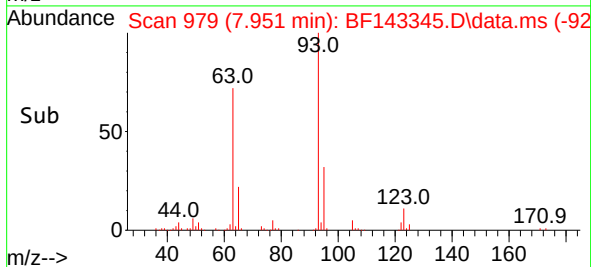
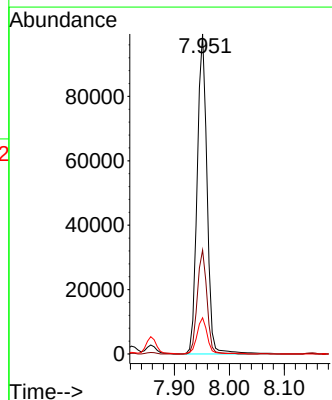
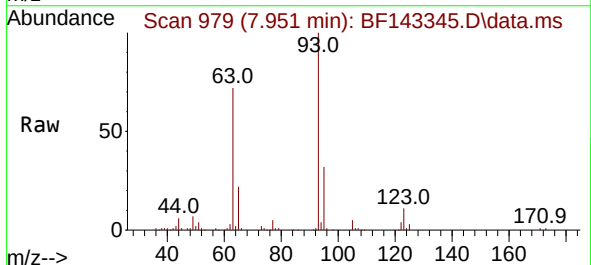
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

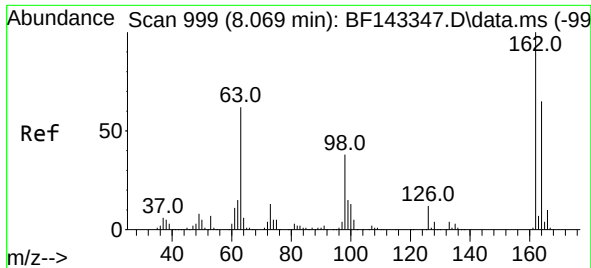
Tgt Ion:	122	Resp:	78873
Ion	Ratio	Lower	Upper
122	100		
107	114.2	89.9	134.9
121	56.7	46.2	69.4



#28
bis(2-Chloroethoxy)methane
Concen: 10.232 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:	93	Resp:	123627
Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.3	9.4	14.2





#29

2,4-Dichlorophenol

Concen: 9.568 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.000 min

Lab File: BF143345.D

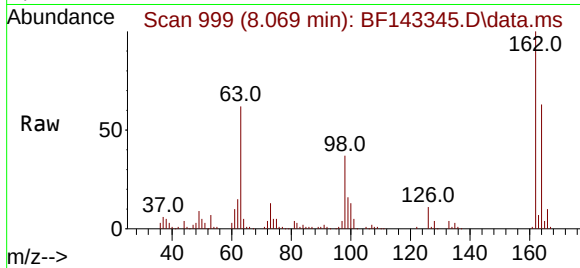
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



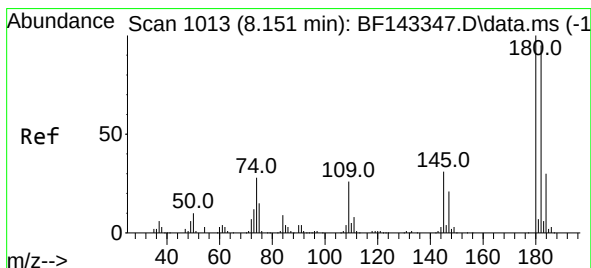
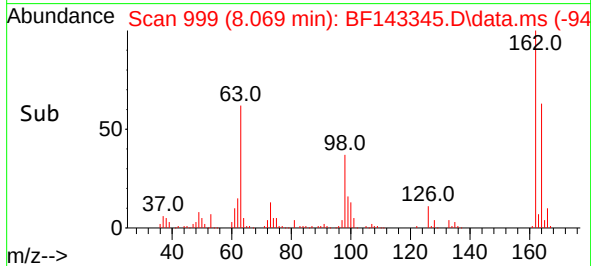
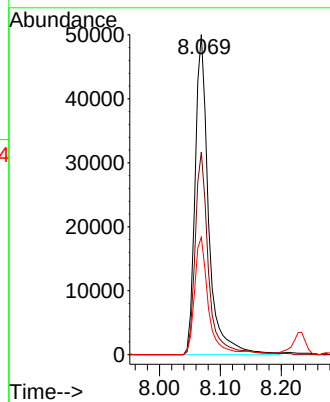
Tgt Ion:162 Resp: 77156

Ion Ratio Lower Upper

162 100

164 63.3 44.5 84.5

98 36.7 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 10.274 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

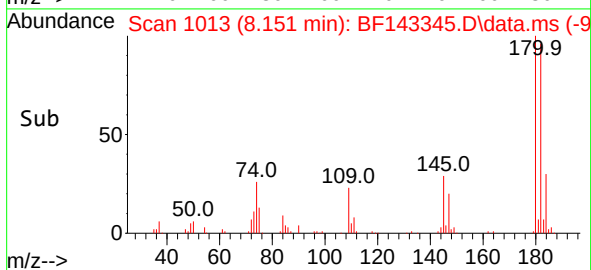
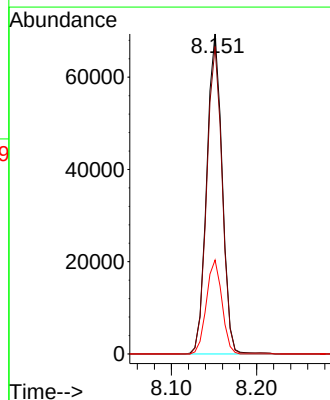
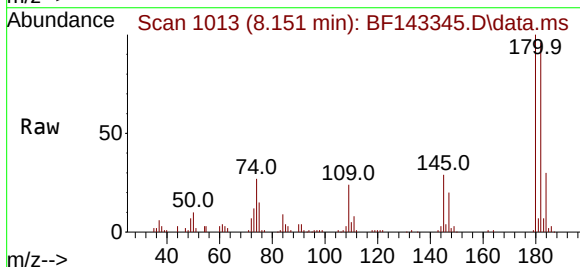
Tgt Ion:180 Resp: 87392

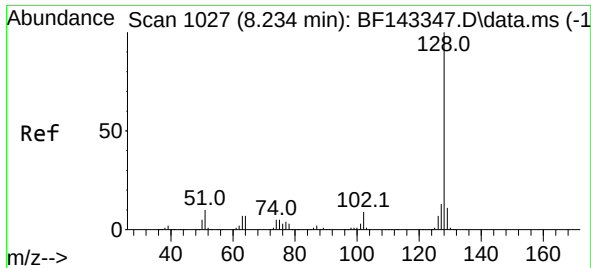
Ion Ratio Lower Upper

180 100

182 96.1 76.1 114.1

145 29.4 24.9 37.3

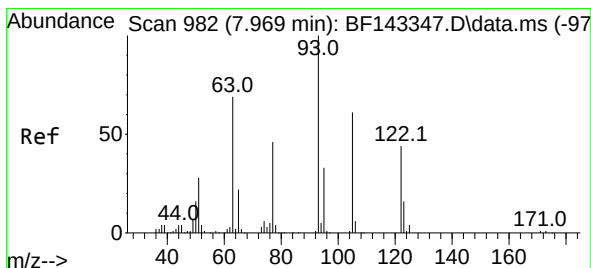
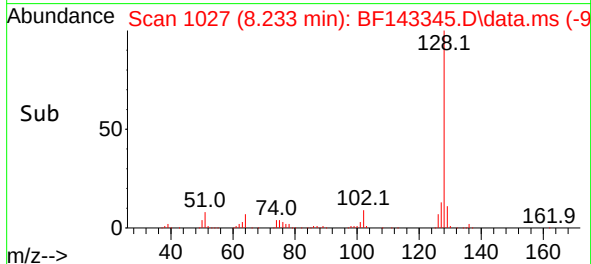
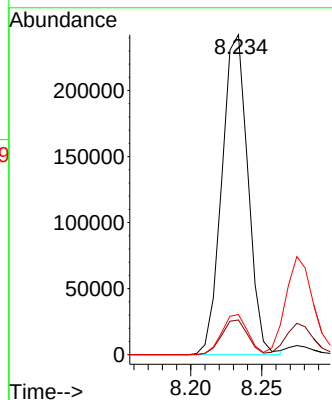
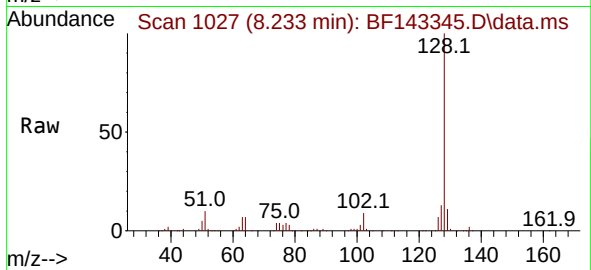




#31
Naphthalene
Concen: 10.634 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

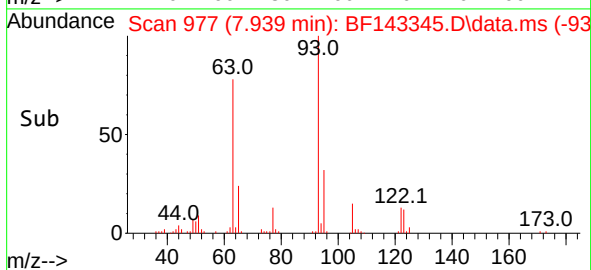
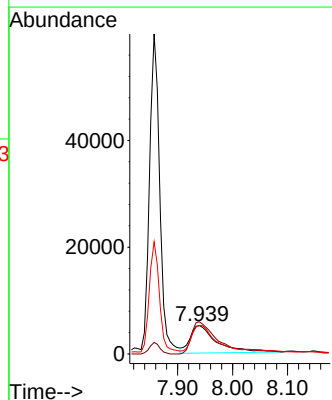
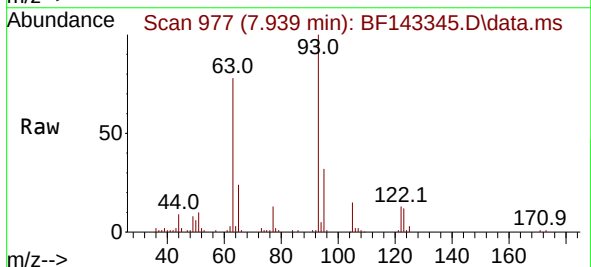
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

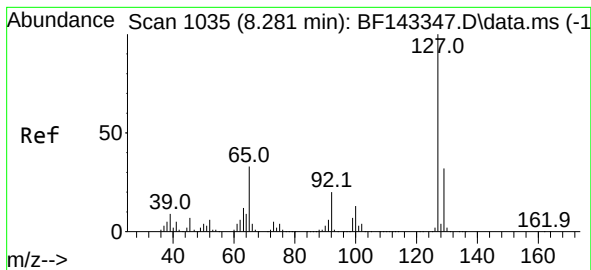
Tgt Ion:128 Resp: 308901
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.6 10.7 16.1



#32
Benzoic acid
Concen: 9.156 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.030 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:122 Resp: 17211
Ion Ratio Lower Upper
122 100
105 113.7 106.4 146.4
77 101.1 79.2 119.2

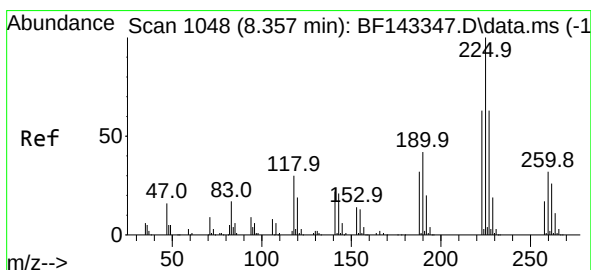
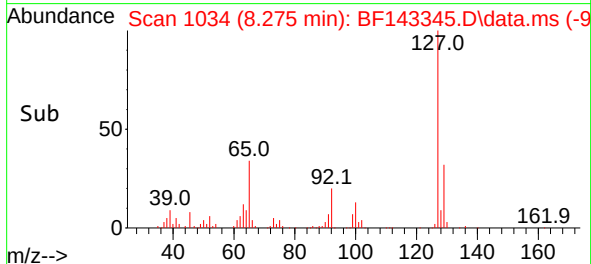
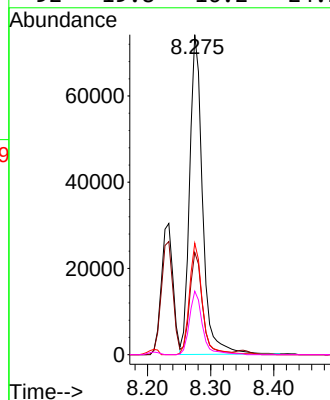
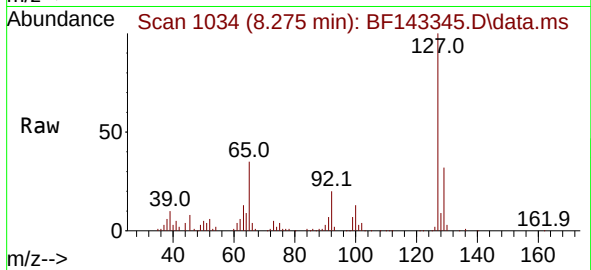




#33
4-Chloroaniline
Concen: 10.079 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

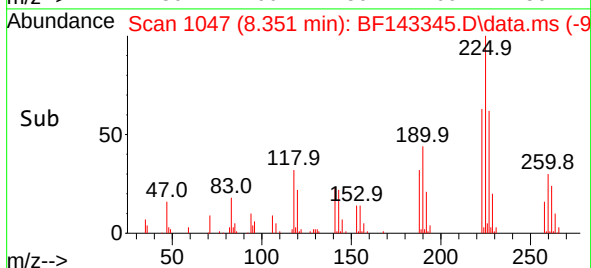
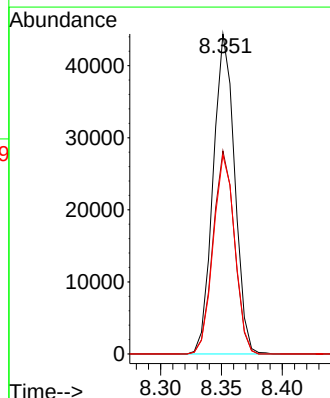
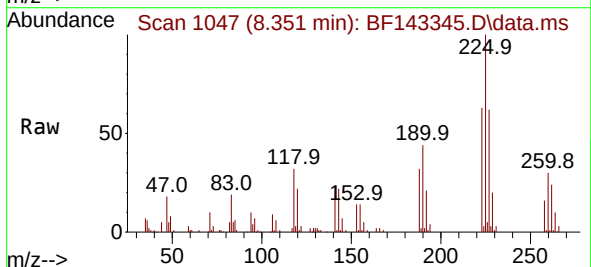
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

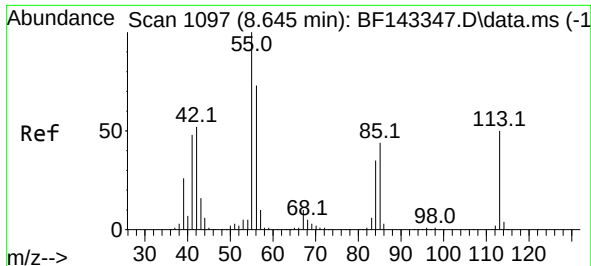
Tgt Ion:	127	Resp:	105601
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	34.8	27.0	40.4
92	19.8	16.2	24.2



#34
Hexachlorobutadiene
Concen: 10.321 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:	225	Resp:	54615
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.1	75.1
227	62.1	50.6	75.8

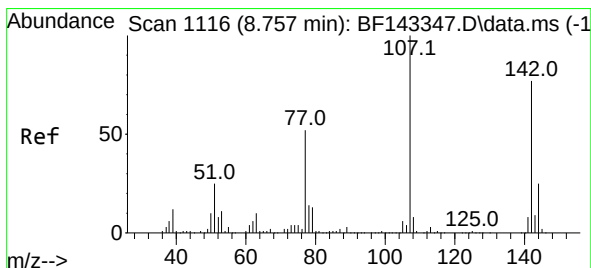
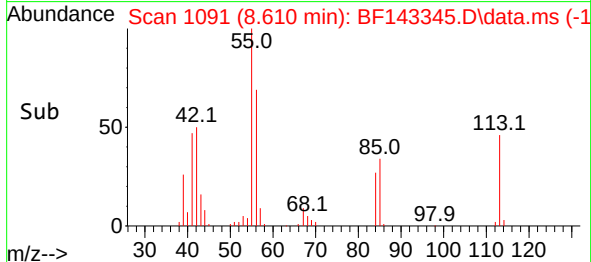
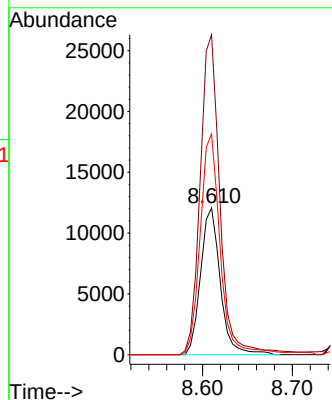
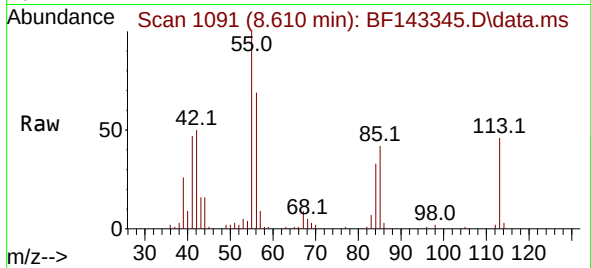




#35
 Caprolactam
 Concen: 8.098 ng
 RT: 8.610 min Scan# 1091
 Delta R.T. -0.035 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

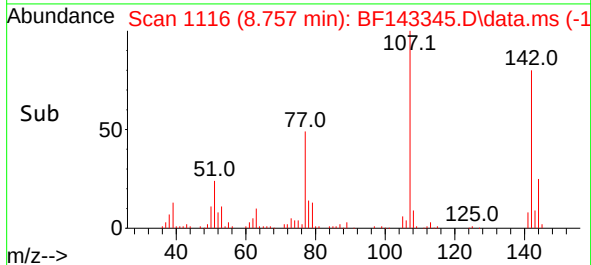
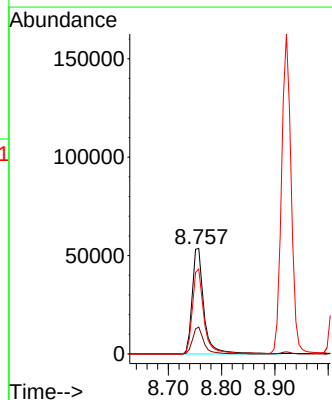
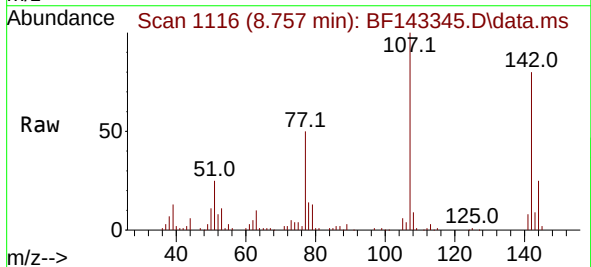
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

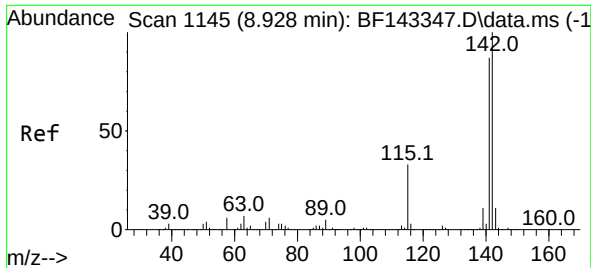
Tgt Ion:113 Resp: 18357
 Ion Ratio Lower Upper
 113 100
 55 218.1 181.4 221.4
 56 150.5 127.3 167.3



#36
 4-Chloro-3-methylphenol
 Concen: 9.780 ng
 RT: 8.757 min Scan# 1116
 Delta R.T. -0.000 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 82681
 Ion Ratio Lower Upper
 107 100
 144 25.4 20.0 30.0
 142 80.4 61.3 91.9





#37

2-Methylnaphthalene

Concen: 10.641 ng

RT: 8.922 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

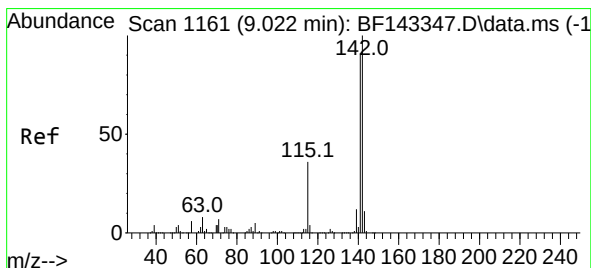
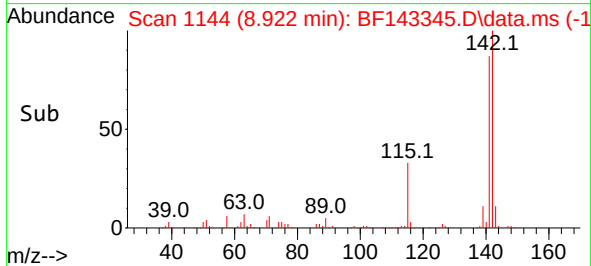
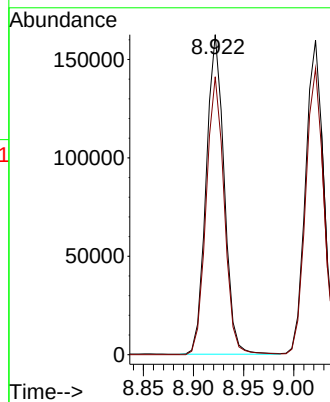
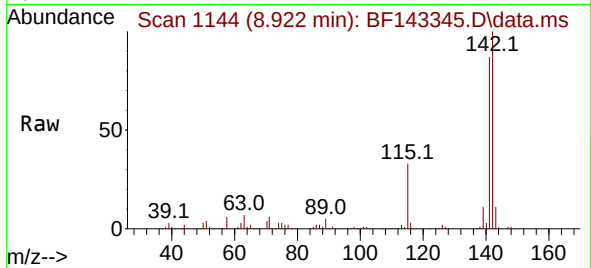
SSTDICC010

Tgt Ion:142 Resp: 203203

Ion Ratio Lower Upper

142 100

141 86.9 69.8 104.8



#38

1-Methylnaphthalene

Concen: 10.738 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF143345.D

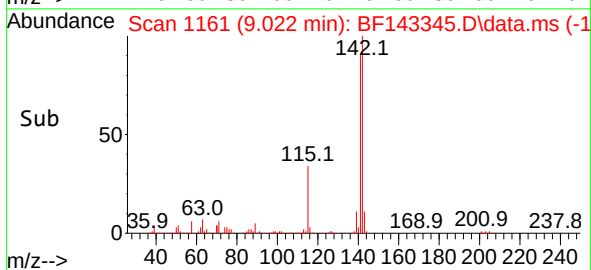
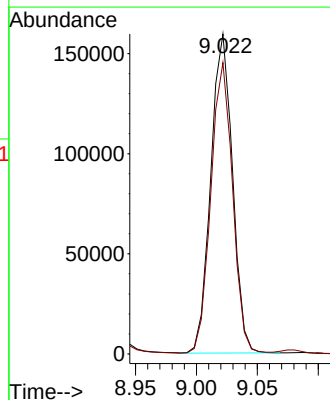
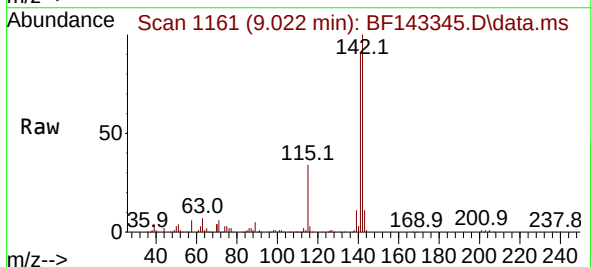
Acq: 12 Aug 2025 10:04

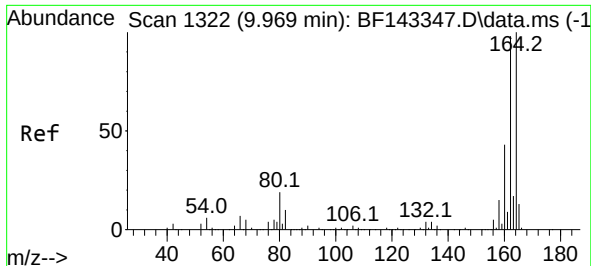
Tgt Ion:142 Resp: 197497

Ion Ratio Lower Upper

142 100

141 91.0 73.0 109.4

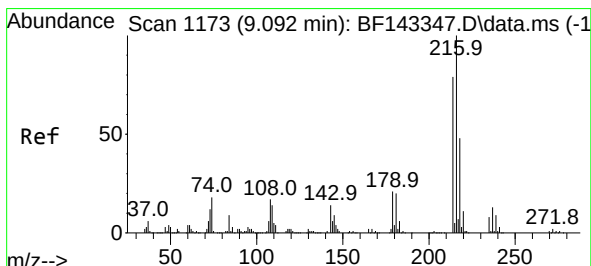
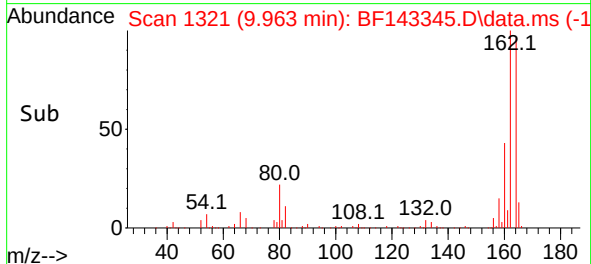
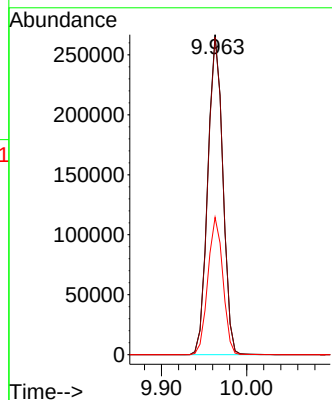
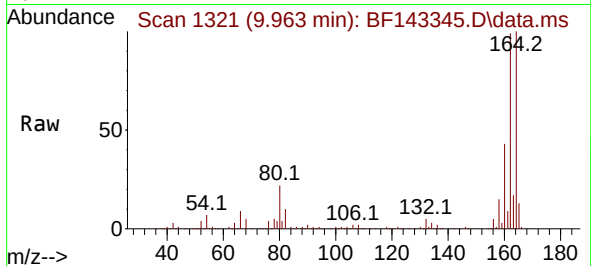




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

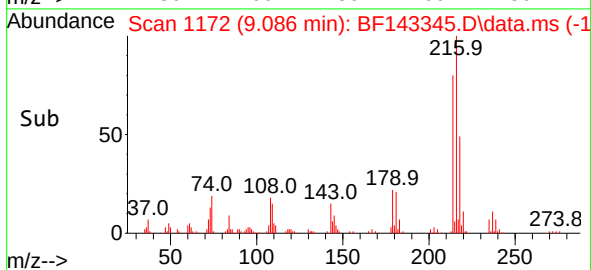
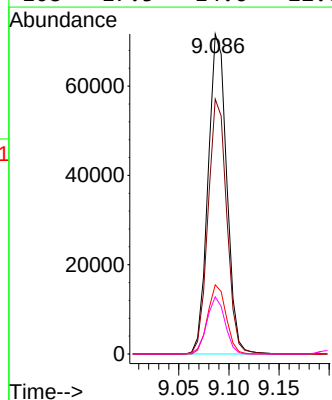
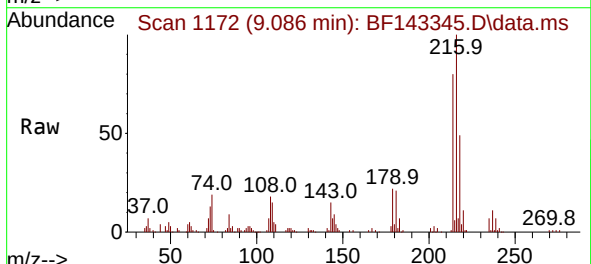
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

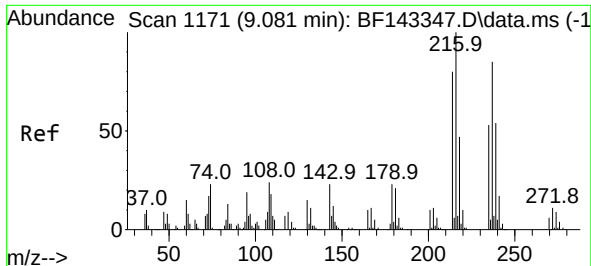
Tgt Ion:164 Resp: 326305
Ion Ratio Lower Upper
164 100
162 99.3 78.6 118.0
160 42.9 34.4 51.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.338 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:216 Resp: 92307
Ion Ratio Lower Upper
216 100
214 79.7 63.0 94.4
179 21.3 17.0 25.4
108 17.5 14.6 22.0

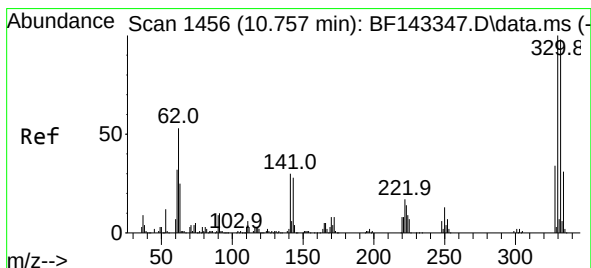
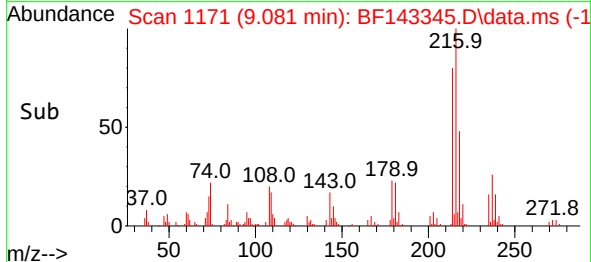
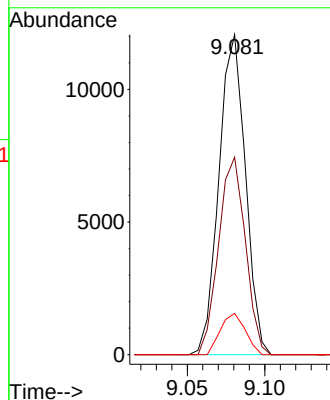
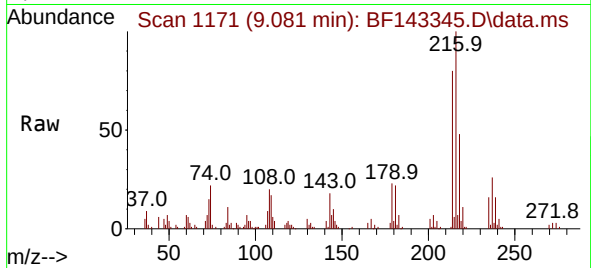




#41
Hexachlorocyclopentadiene
Concen: 10.801 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

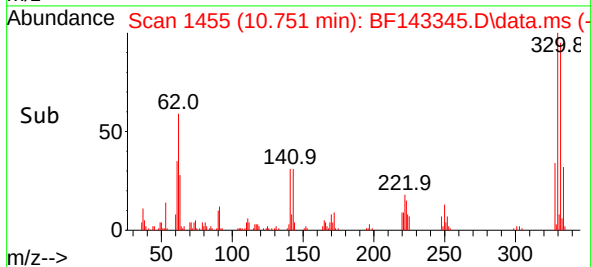
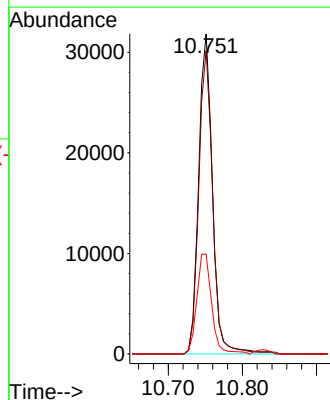
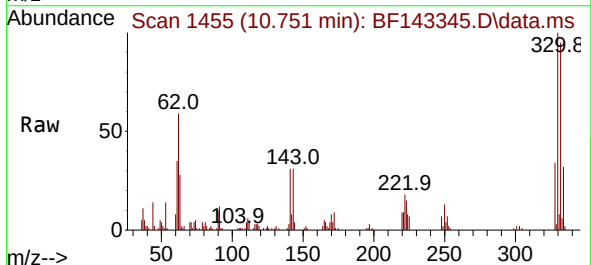
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

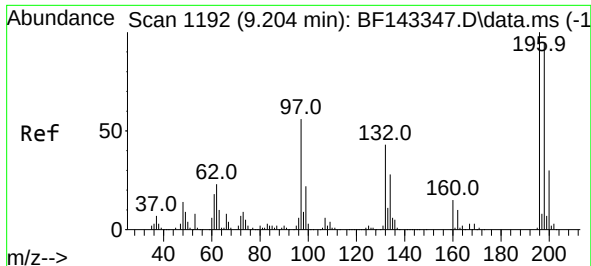
Tgt Ion:237	Resp:	14343
Ion Ratio	Lower	Upper
237	100	
235	61.7	42.0 82.0
272	12.9	0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 17.317 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

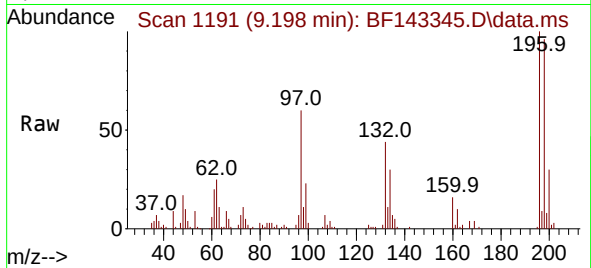
Tgt Ion:330	Resp:	41296
Ion Ratio	Lower	Upper
330	100	
332	94.7	78.1 117.1
141	33.4	25.4 38.0



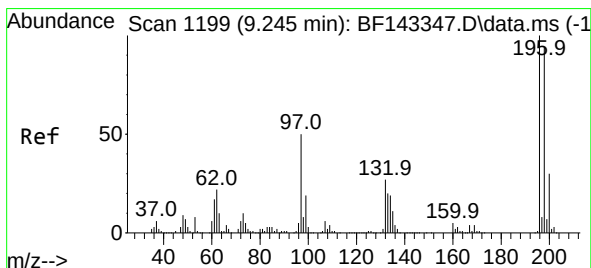
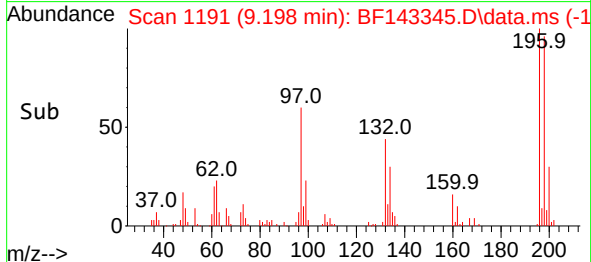
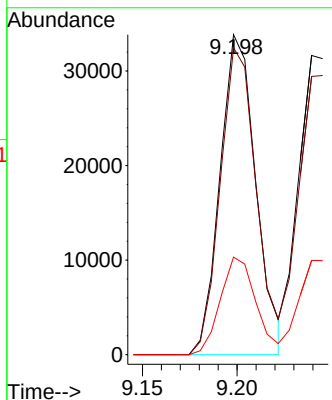


#43
2,4,6-Trichlorophenol
Concen: 8.769 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

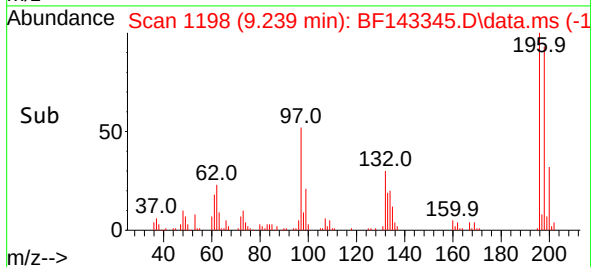
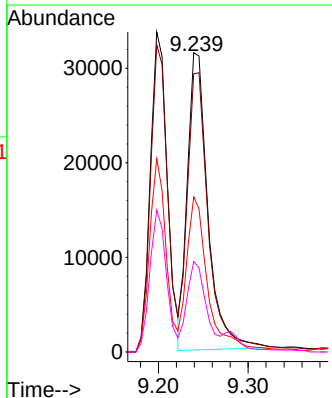
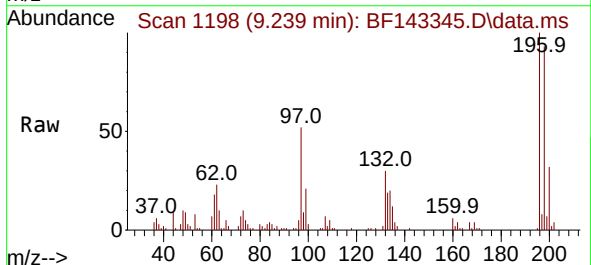


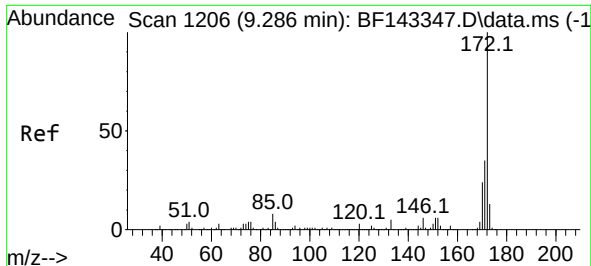
Tgt Ion:196 Resp: 44424
Ion Ratio Lower Upper
196 100
198 96.0 75.4 113.0
200 30.5 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 8.786 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:196 Resp: 50263
Ion Ratio Lower Upper
196 100
198 93.0 75.4 113.2
97 51.8 39.9 59.9
132 30.2 22.6 33.8

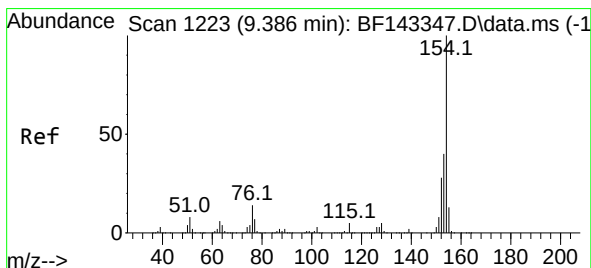
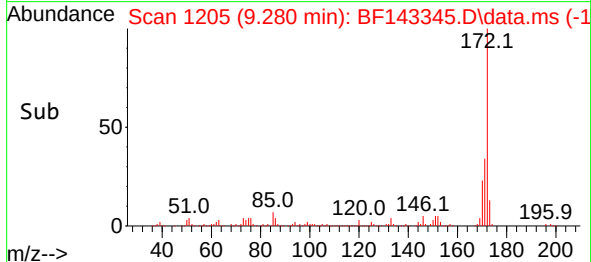
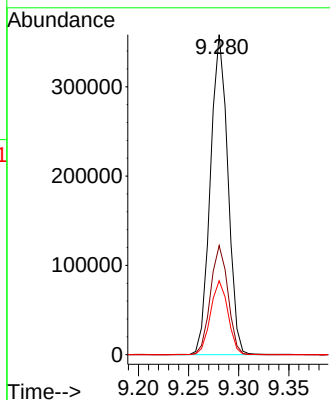
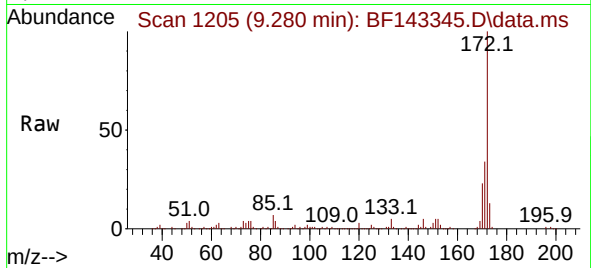




#45
2-Fluorobiphenyl
Concen: 22.583 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

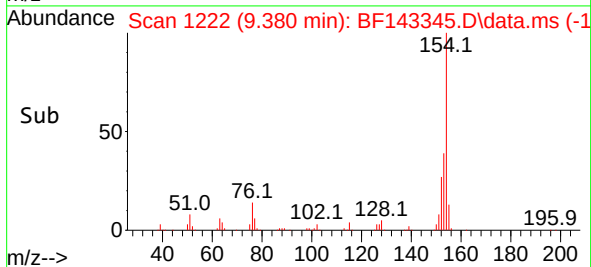
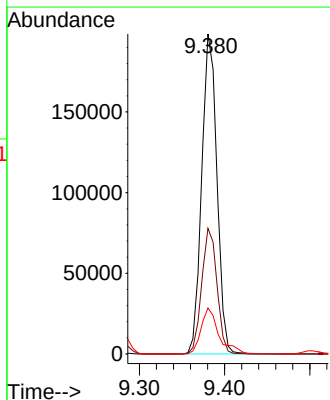
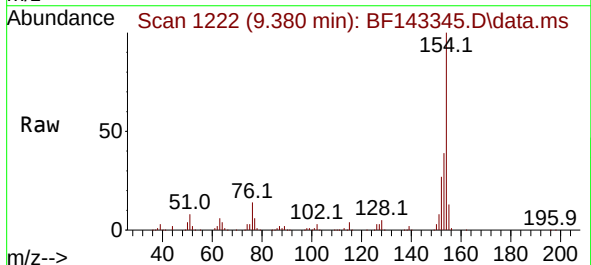
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

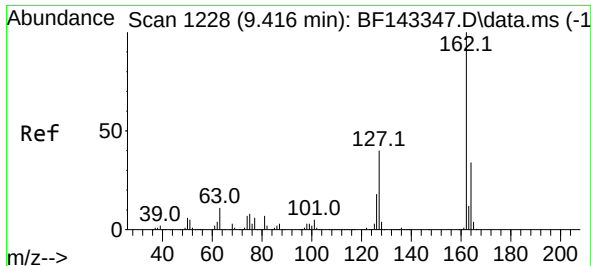
Tgt Ion:172 Resp: 434554
Ion Ratio Lower Upper
172 100
171 34.1 28.4 42.6
170 23.1 19.1 28.7



#46
1,1'-Biphenyl
Concen: 10.647 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:154 Resp: 245641
Ion Ratio Lower Upper
154 100
153 39.3 20.2 60.2
76 14.4 0.0 34.4





#47

2-Chloronaphthalene

Concen: 10.556 ng

RT: 9.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

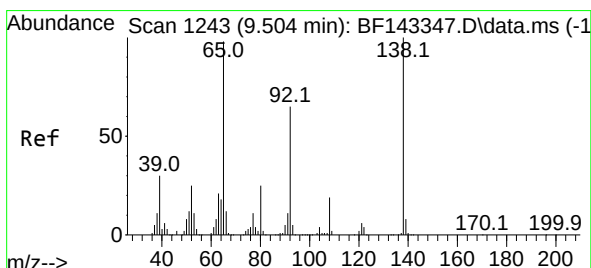
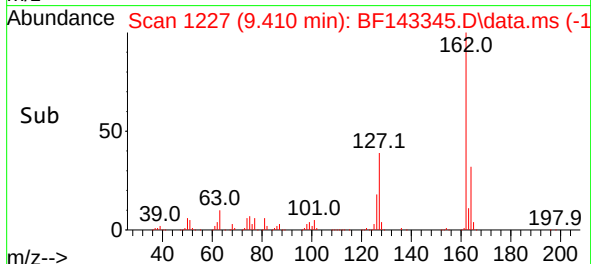
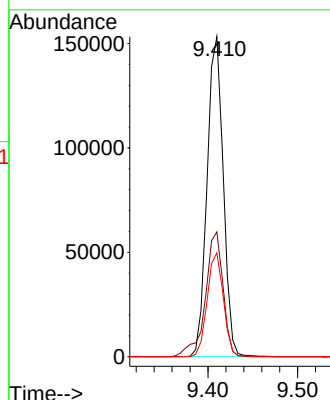
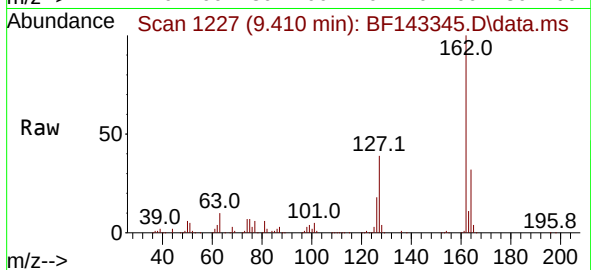
Tgt Ion:162 Resp: 191809

Ion Ratio Lower Upper

162 100

127 39.0 32.1 48.1

164 32.5 27.0 40.4



#48

2-Nitroaniline

Concen: 9.319 ng

RT: 9.498 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

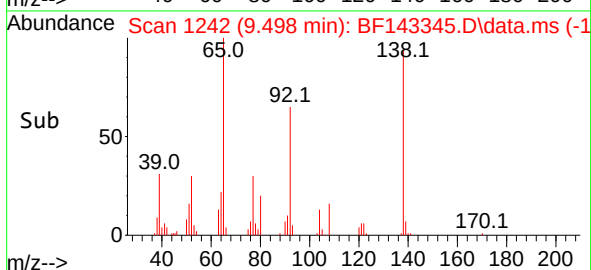
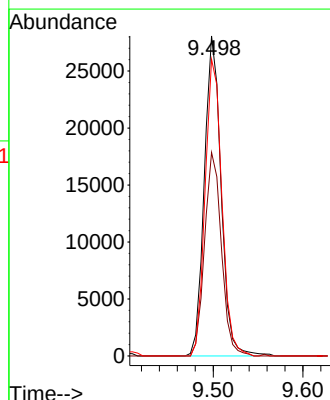
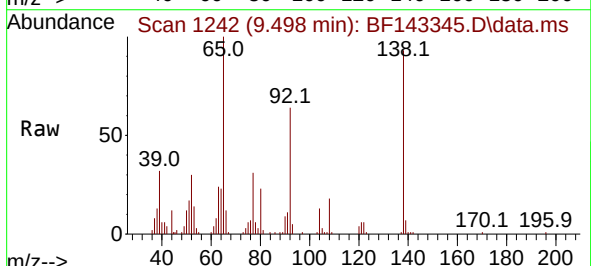
Tgt Ion: 65 Resp: 36444

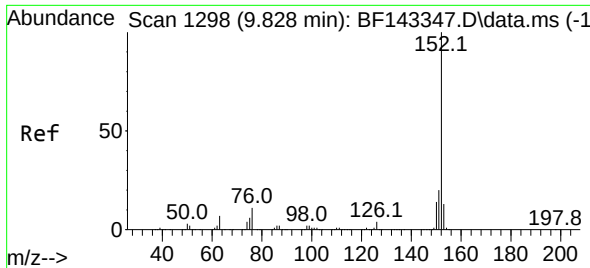
Ion Ratio Lower Upper

65 100

92 63.6 53.1 79.7

138 92.7 81.4 122.0

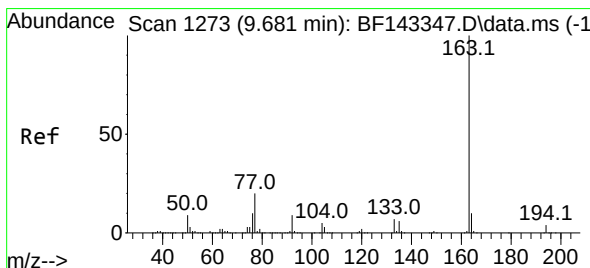
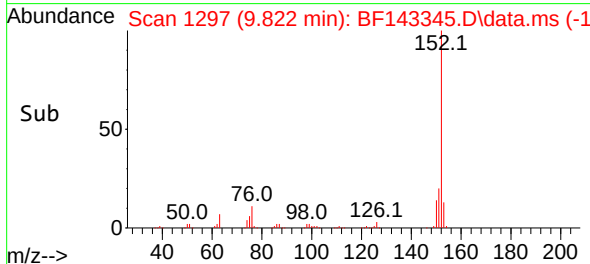
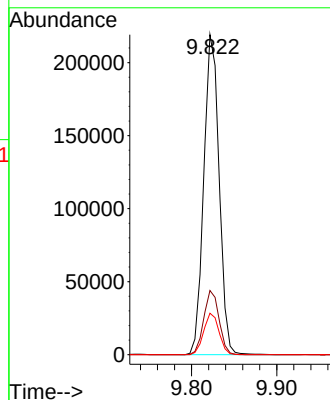
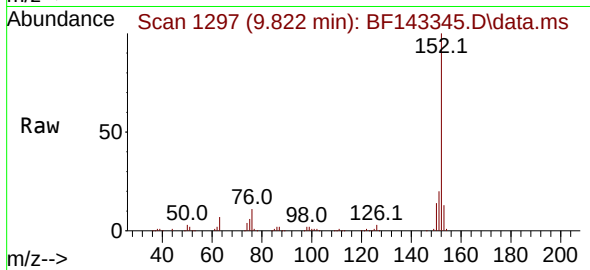




#49
Acenaphthylene
Concen: 10.459 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

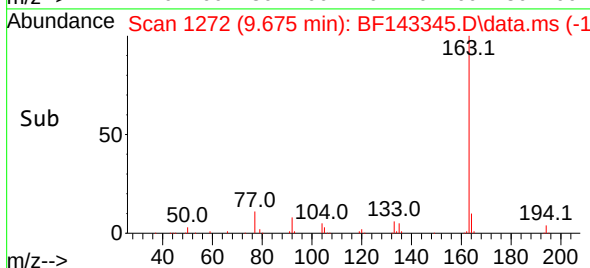
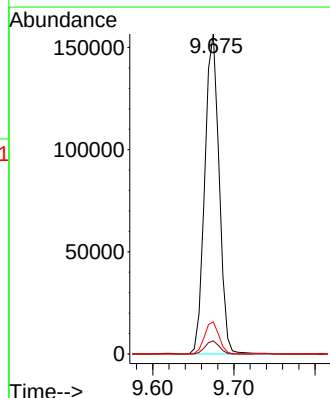
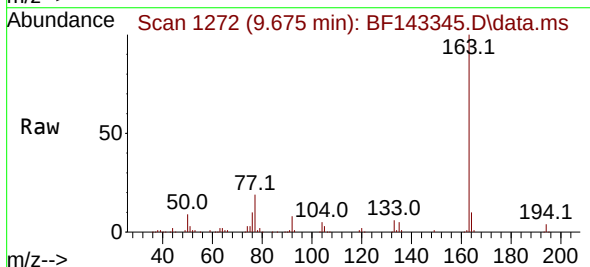
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

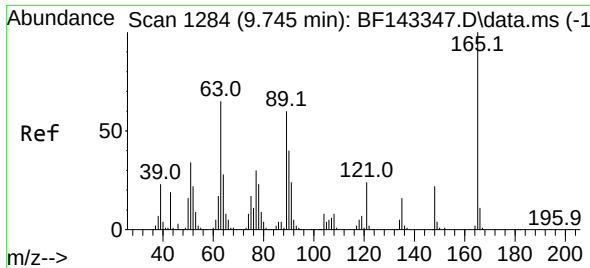
Tgt Ion:152 Resp: 274441
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.0 10.6 16.0



#50
Dimethylphthalate
Concen: 10.081 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:163 Resp: 192210
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.0 8.2 12.2

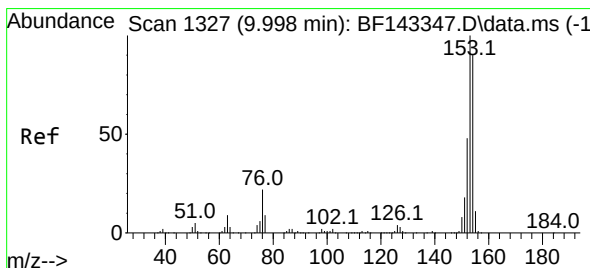
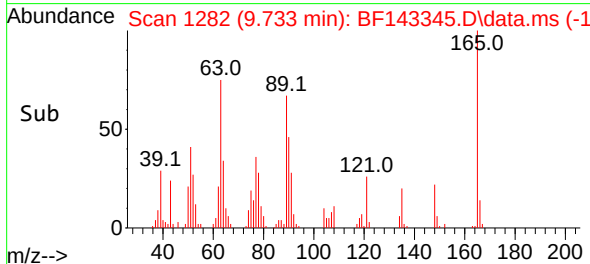
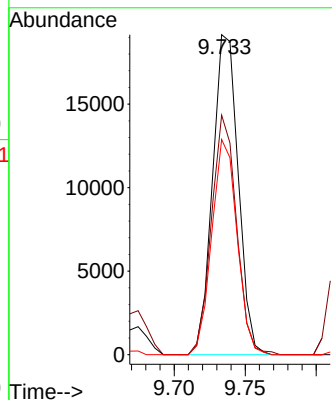
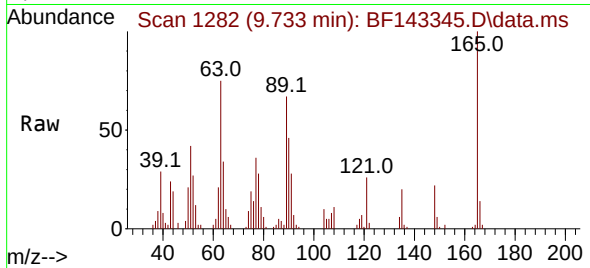




#51
2,6-Dinitrotoluene
Concen: 9.205 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

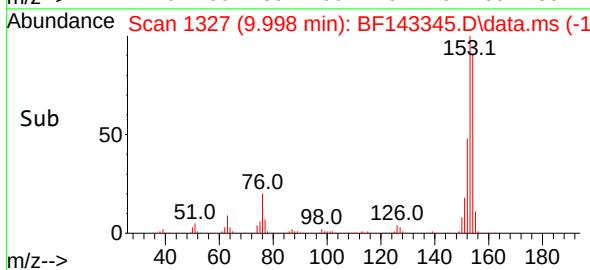
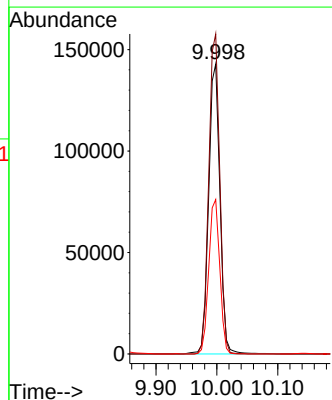
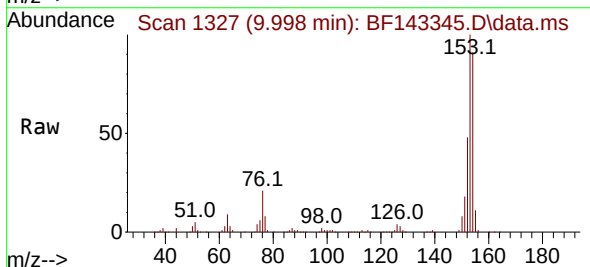
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

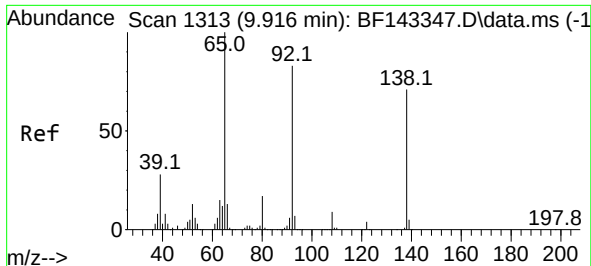
Tgt Ion:165 Resp: 24005
Ion Ratio Lower Upper
165 100
63 74.8 51.6 77.4
89 67.3 47.7 71.5



#52
Acenaphthene
Concen: 10.543 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:154 Resp: 183915
Ion Ratio Lower Upper
154 100
153 110.3 88.5 132.7
152 53.3 42.4 63.6

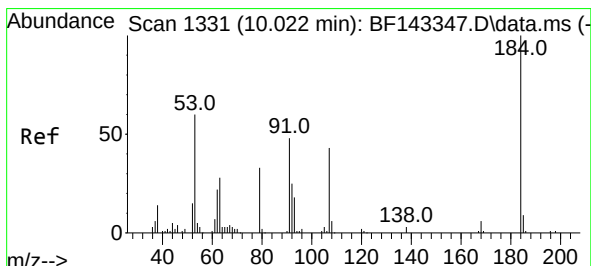
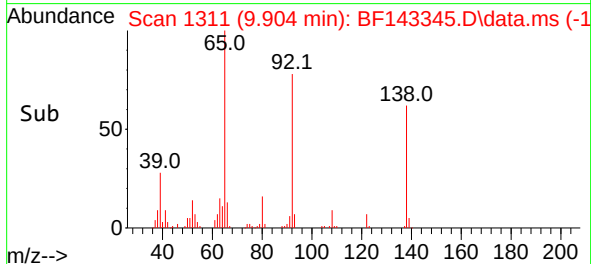
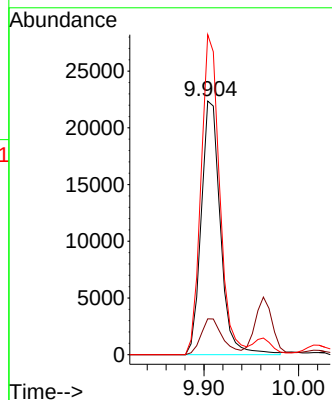
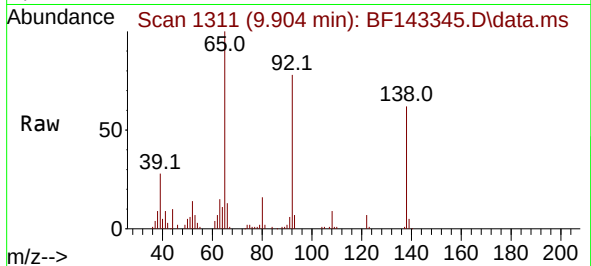




#53
3-Nitroaniline
Concen: 8.069 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

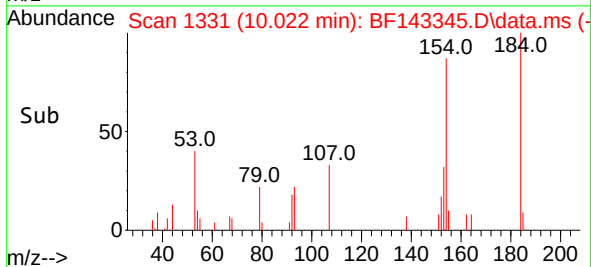
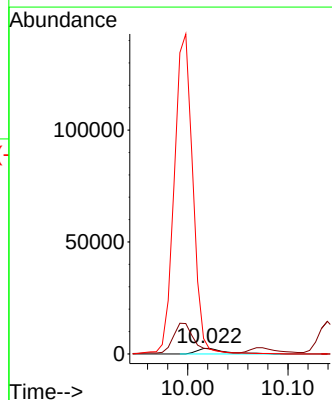
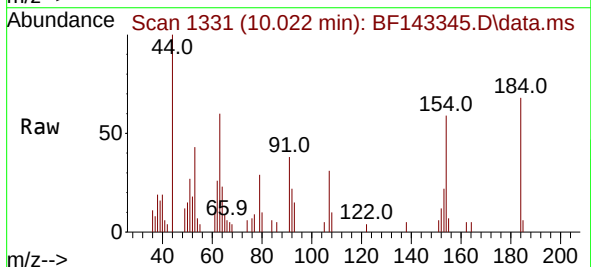
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

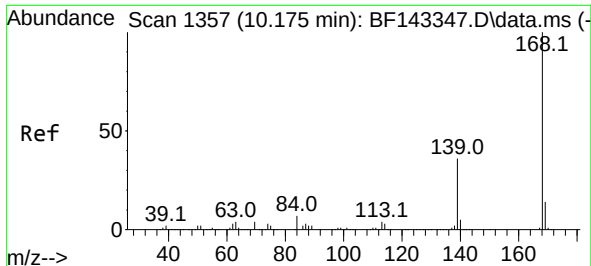
Tgt Ion:138 Resp: 31507
Ion Ratio Lower Upper
138 100
108 14.1 9.6 14.4
92 126.2 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 10.356 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

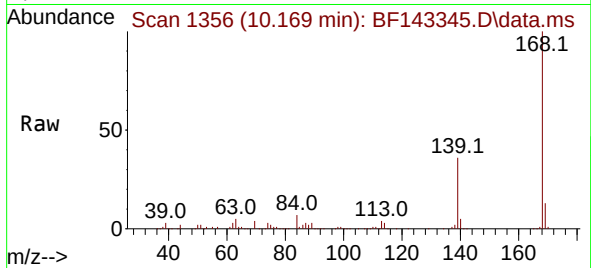
Tgt Ion:184 Resp: 4834
Ion Ratio Lower Upper
184 100
63 88.5 62.5 93.7
154 87.3 73.0 109.4



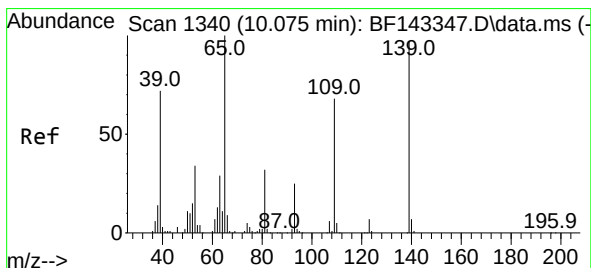
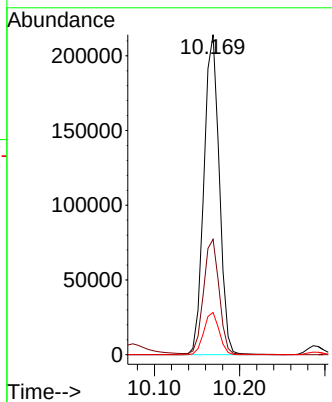
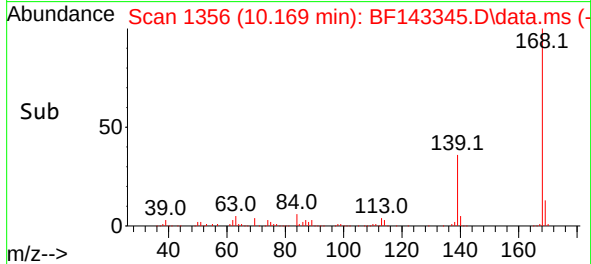


#55
Dibenzofuran
Concen: 10.660 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

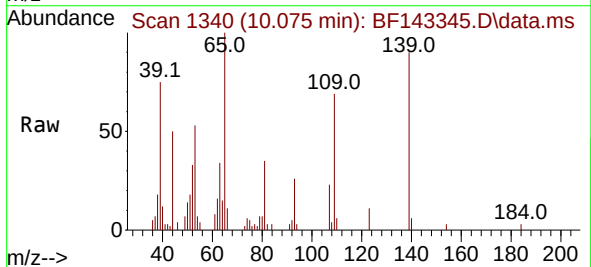
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



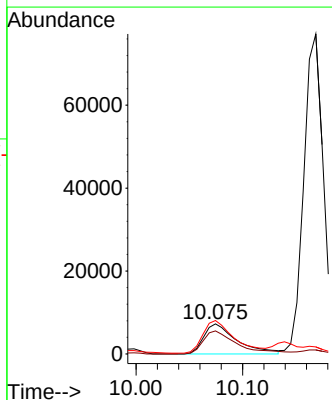
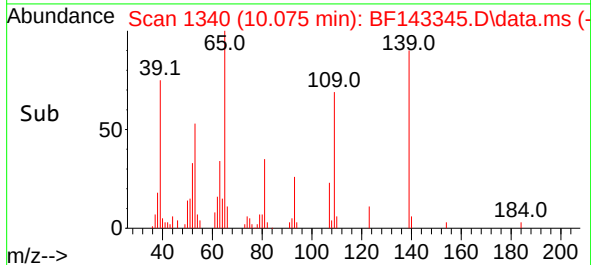
Tgt Ion:168 Resp: 267653
Ion Ratio Lower Upper
168 100
139 36.0 29.4 44.0
169 13.2 11.0 16.6

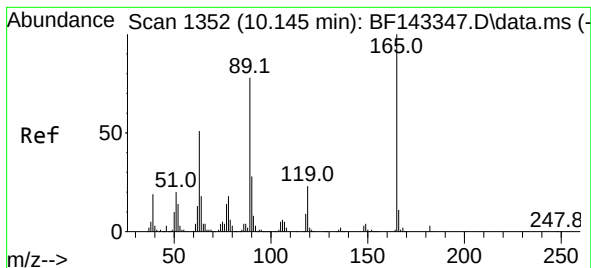


#56
4-Nitrophenol
Concen: 10.166 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:139 Resp: 15708
Ion Ratio Lower Upper
139 100
109 76.4 49.4 89.4
65 111.1 83.7 123.7

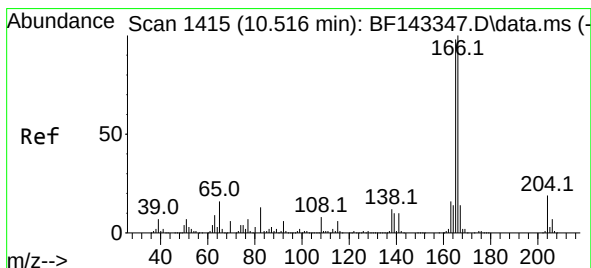
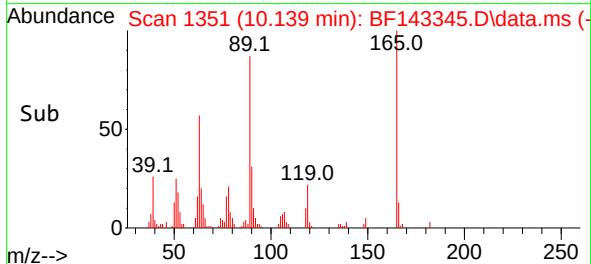
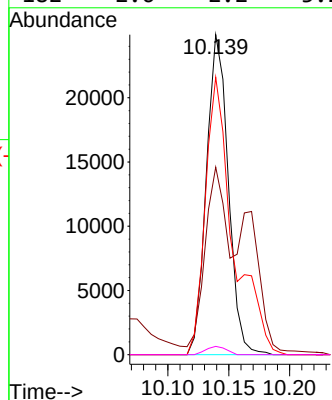
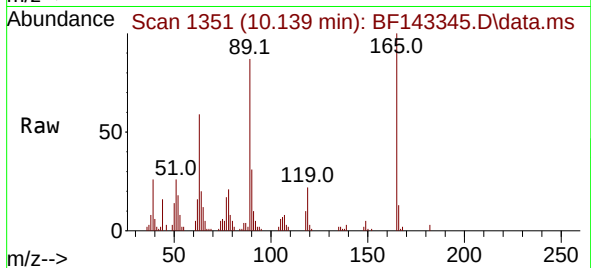




#57
2,4-Dinitrotoluene
Concen: 9.126 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

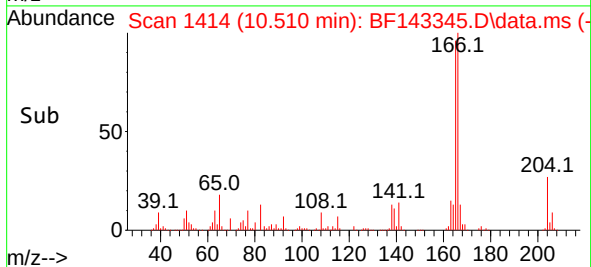
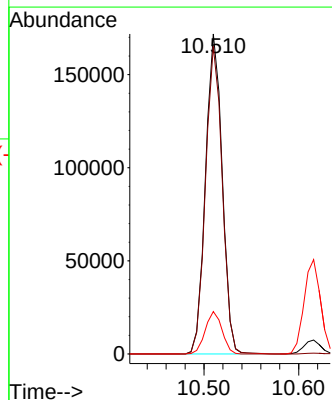
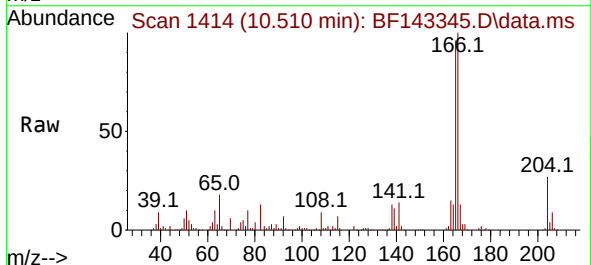
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

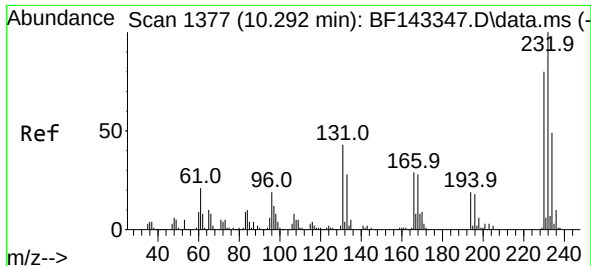
Tgt Ion:165	Resp:	31226
Ion Ratio	Lower	Upper
165	100	
63	58.6	41.8 62.8
89	86.7	62.4 93.6
182	2.6	2.2 3.2



#58
Fluorene
Concen: 10.959 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:166	Resp:	210161
Ion Ratio	Lower	Upper
166	100	
165	96.1	78.2 117.4
167	13.3	10.9 16.3



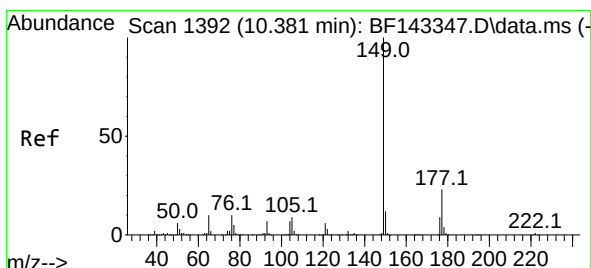
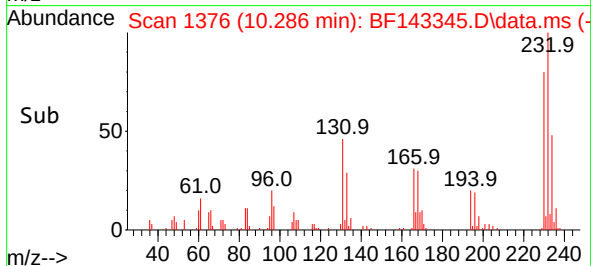
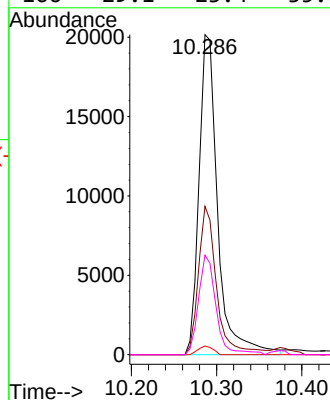
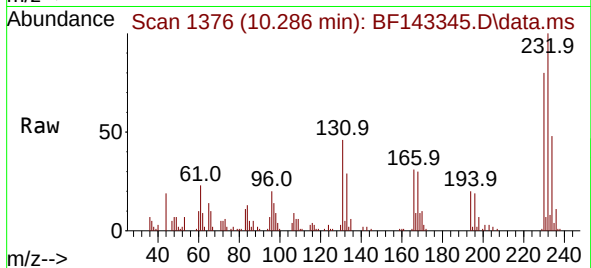


#59
2,3,4,6-Tetrachlorophenol
Concen: 7.955 ng
RT: 10.286 min Scan# 1376
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 30681

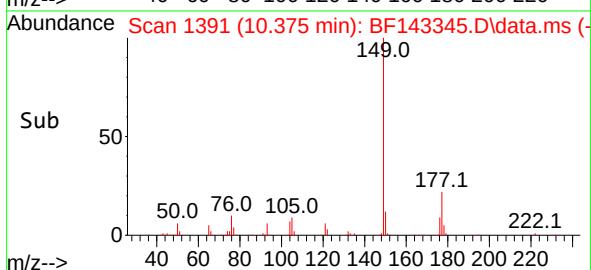
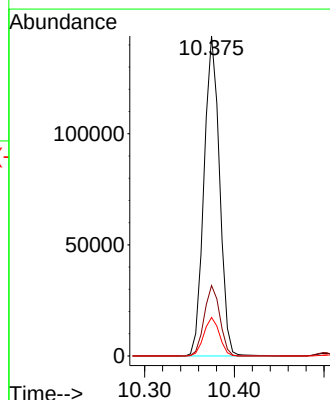
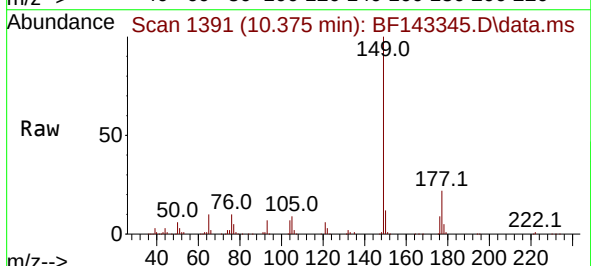
Ion	Ratio	Lower	Upper
232	100		
131	45.6	34.6	51.8
130	2.1	1.7	2.5
166	29.1	23.4	35.0

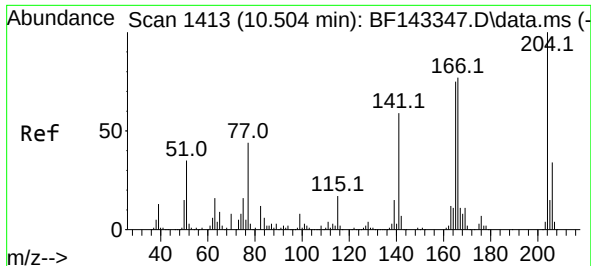


#60
Diethylphthalate
Concen: 10.137 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 173119

Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.2	27.2
150	12.0	9.9	14.9

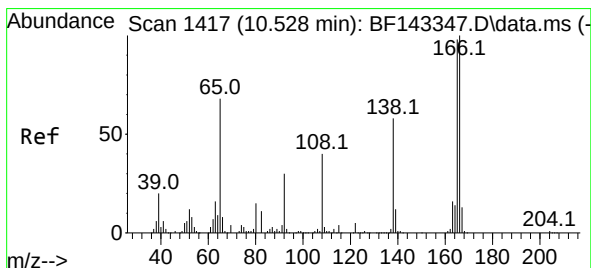
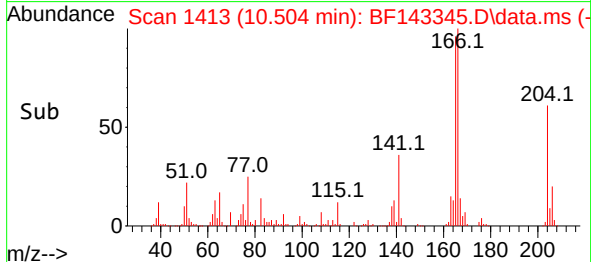
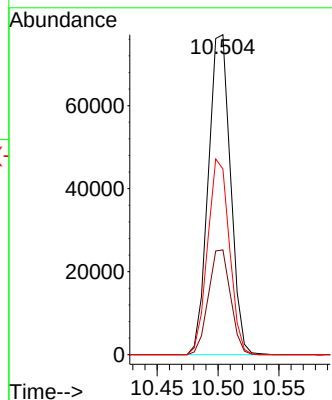
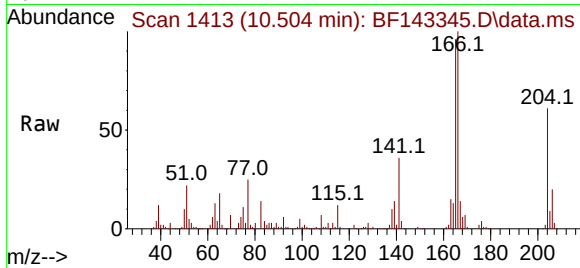




#61
4-Chlorophenyl-phenylether
Concen: 10.575 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

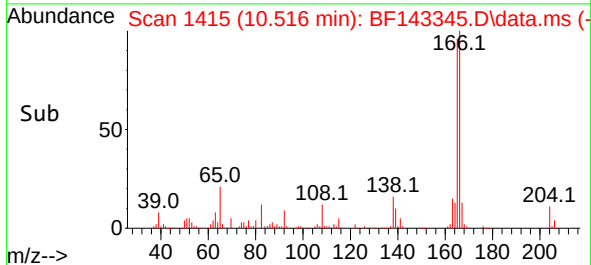
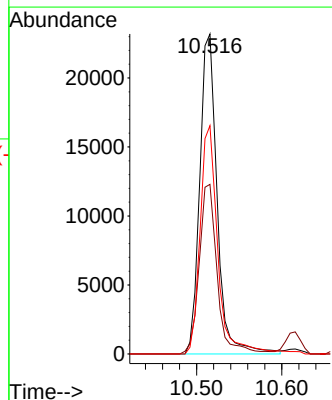
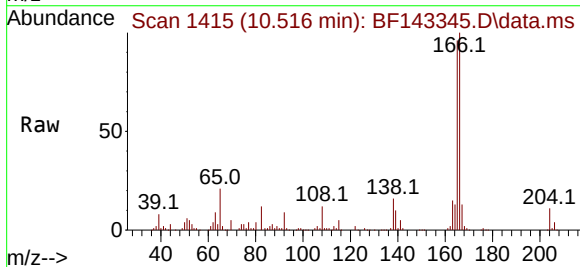
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

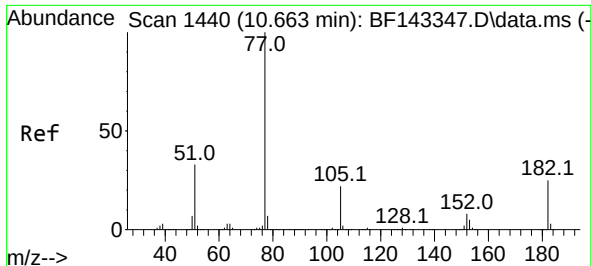
Tgt Ion:204 Resp: 97989
Ion Ratio Lower Upper
204 100
206 32.7 27.4 41.2
141 58.0 46.9 70.3



#62
4-Nitroaniline
Concen: 8.714 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:138 Resp: 32919
Ion Ratio Lower Upper
138 100
92 53.0 31.2 71.2
108 71.4 48.1 88.1

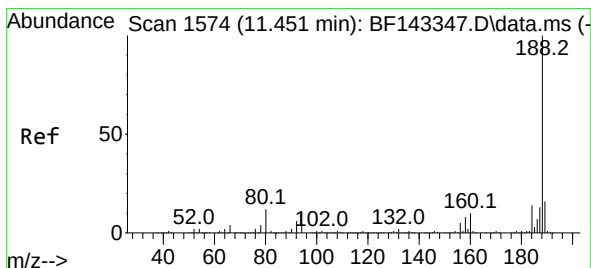
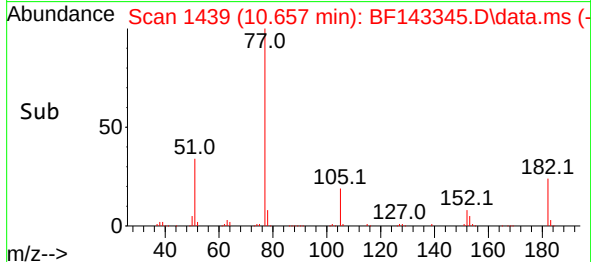
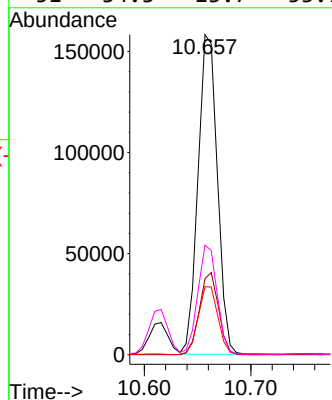
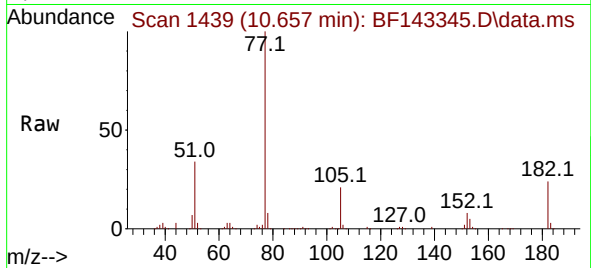




#63
Azobenzene
Concen: 10.272 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

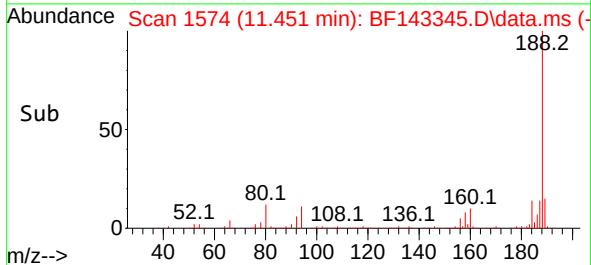
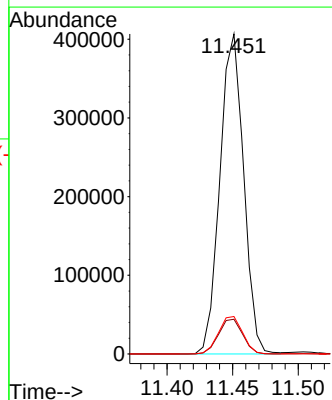
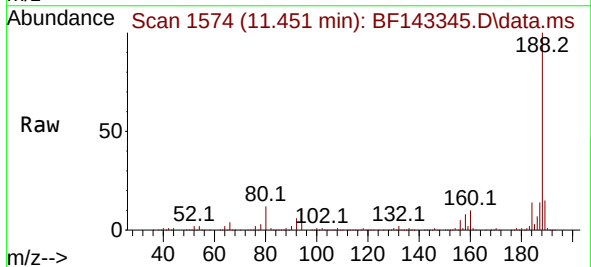
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

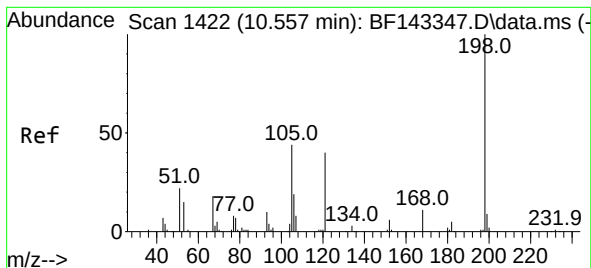
Tgt Ion: 77	Resp: 200367
Ion Ratio	Lower Upper
77 100	
182 23.8	4.4 44.4
105 21.3	1.8 41.8
51 34.3	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:188	Resp: 511556
Ion Ratio	Lower Upper
188 100	
94 10.8	8.8 13.2
80 11.7	9.7 14.5

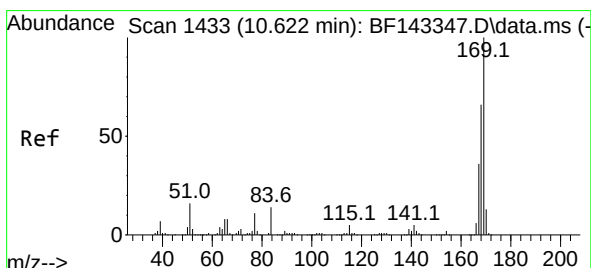
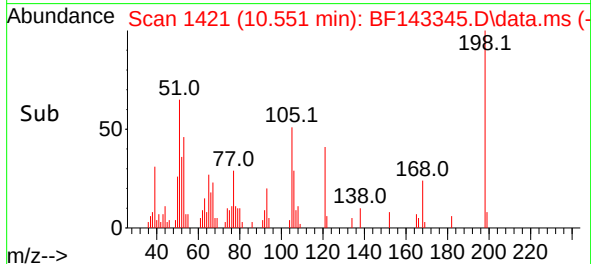
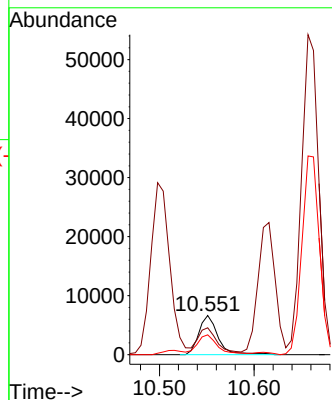
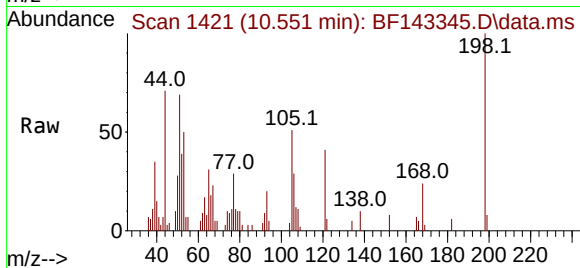




#65
4,6-Dinitro-2-methylphenol
Concen: 11.085 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

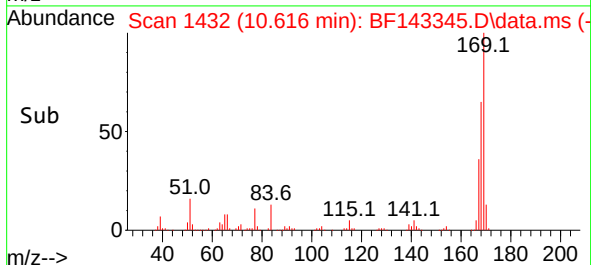
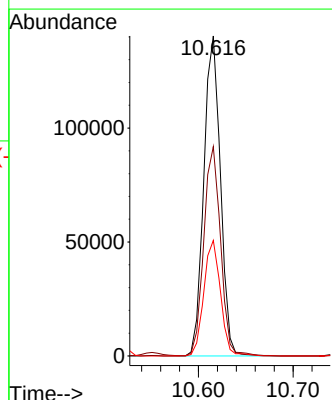
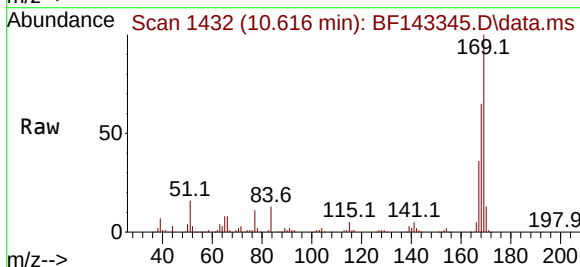
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

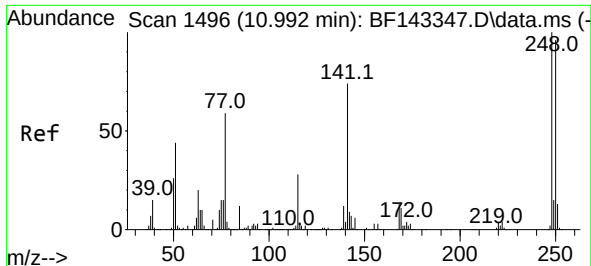
Tgt Ion:198 Resp: 9325
Ion Ratio Lower Upper
198 100
51 68.6 41.7 81.7
105 50.8 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 10.169 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:169 Resp: 171289
Ion Ratio Lower Upper
169 100
168 65.4 52.7 79.1
167 36.1 28.6 42.8

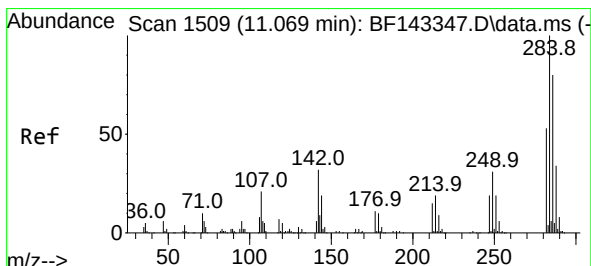
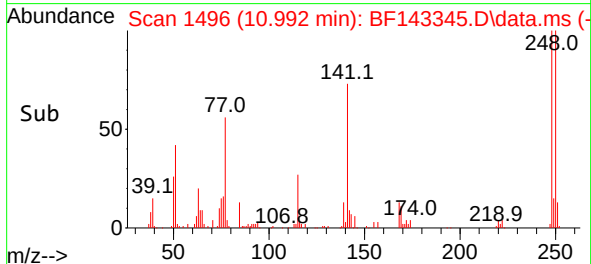
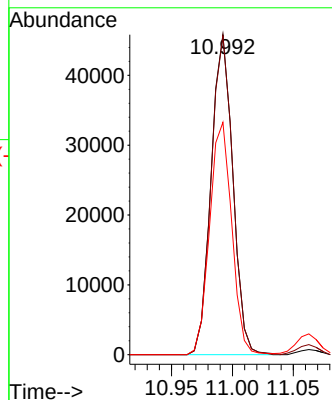
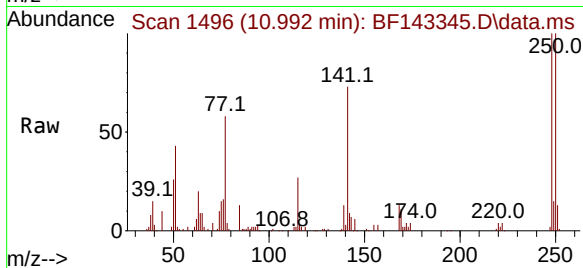




#67
4-Bromophenyl-phenylether
Concen: 9.712 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

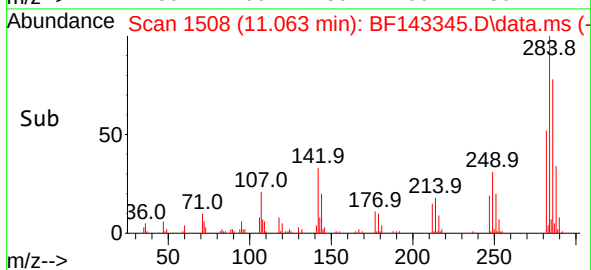
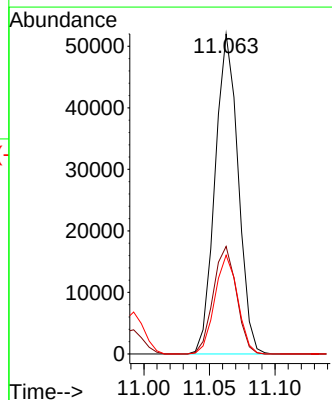
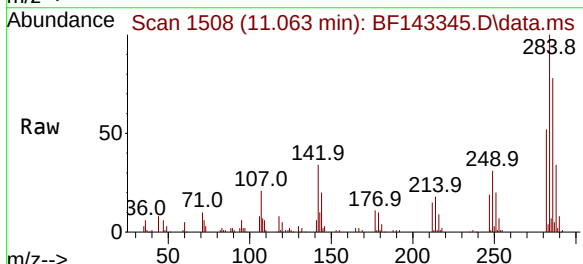
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

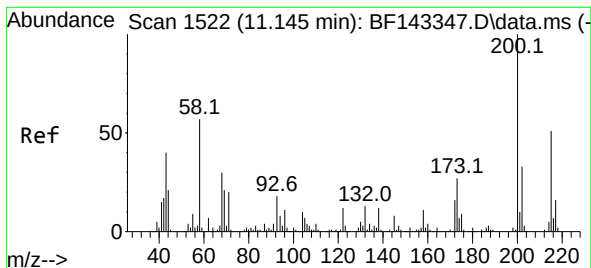
Tgt Ion:248 Resp: 56818
Ion Ratio Lower Upper
248 100
250 99.7 77.1 115.7
141 72.6 59.1 88.7



#68
Hexachlorobenzene
Concen: 10.091 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:284 Resp: 63639
Ion Ratio Lower Upper
284 100
142 33.6 25.7 38.5
249 30.9 24.6 37.0





#69

Atrazine

Concen: 9.133 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

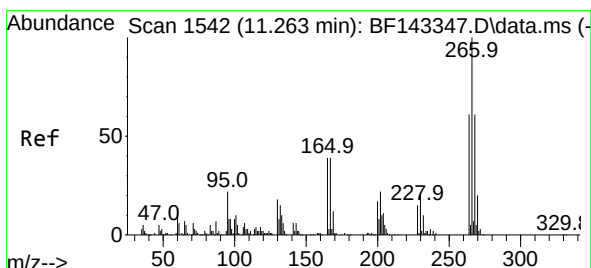
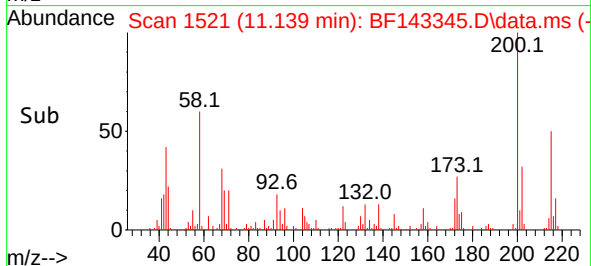
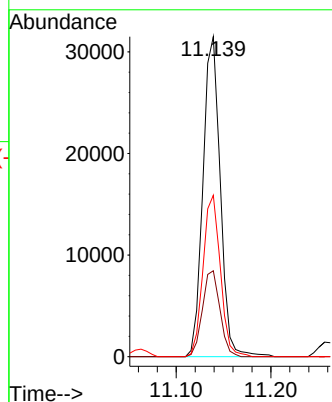
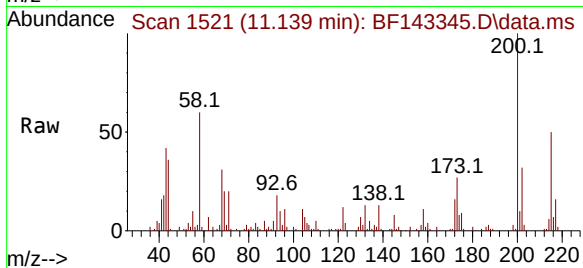
Tgt Ion:200 Resp: 40124

Ion Ratio Lower Upper

200 100

173 26.8 6.6 46.6

215 50.5 30.6 70.6



#70

Pentachlorophenol

Concen: 10.407 ng

RT: 11.257 min Scan# 1541

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

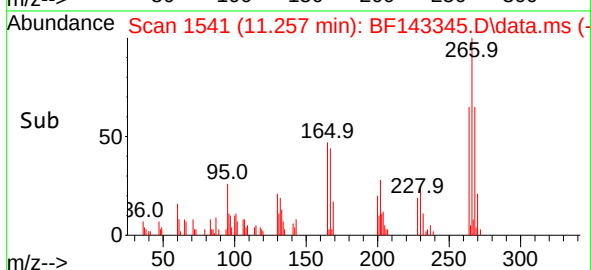
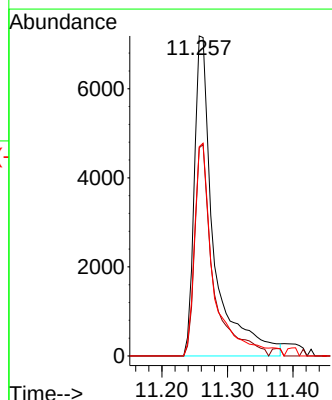
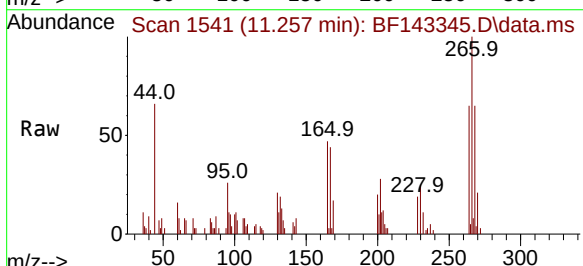
Tgt Ion:266 Resp: 14951

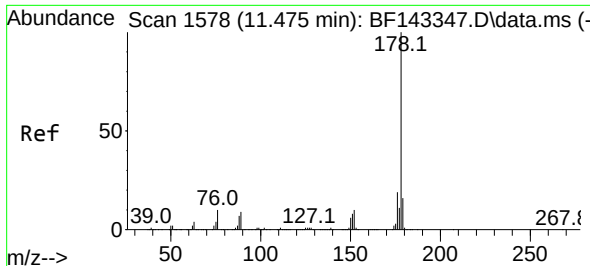
Ion Ratio Lower Upper

266 100

268 65.0 48.8 73.2

264 65.4 48.8 73.2

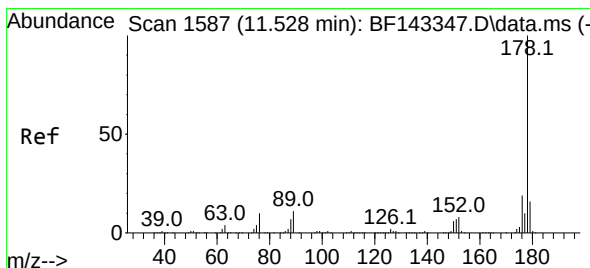
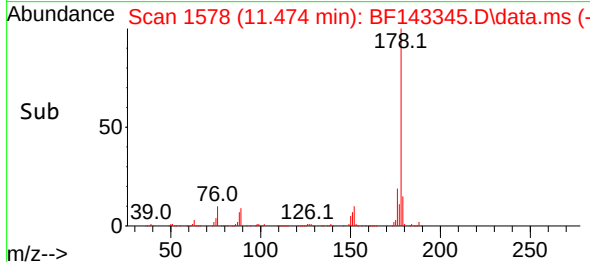
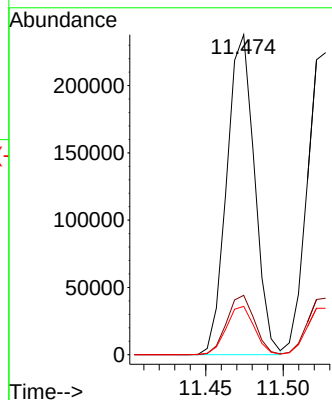
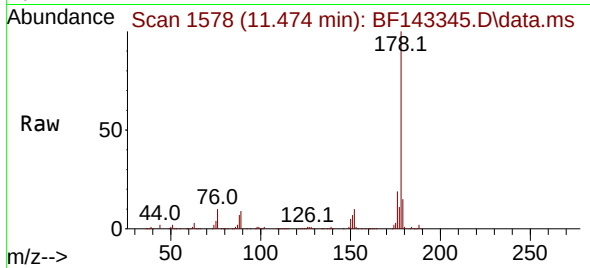




#71
Phenanthrene
Concen: 10.620 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

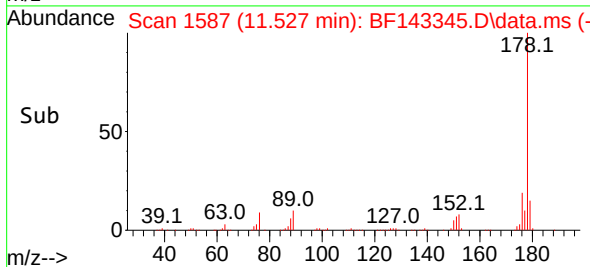
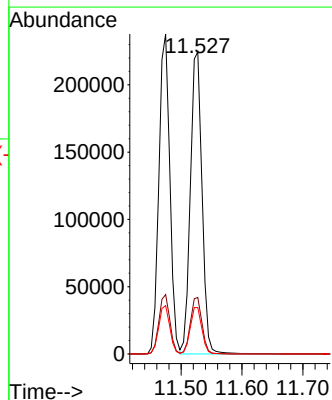
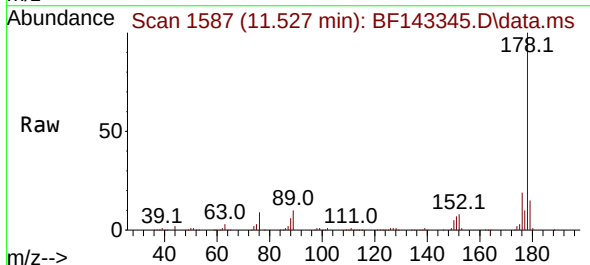
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

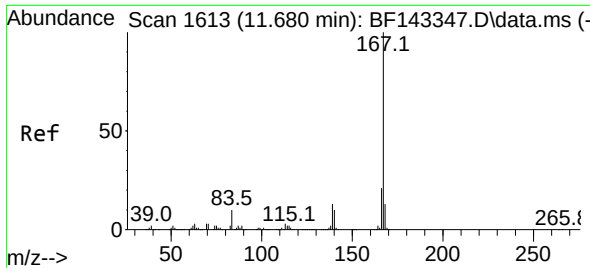
Tgt Ion:178 Resp: 296410
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.1 12.5 18.7



#72
Anthracene
Concen: 10.559 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:178 Resp: 298872
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.4 12.7 19.1

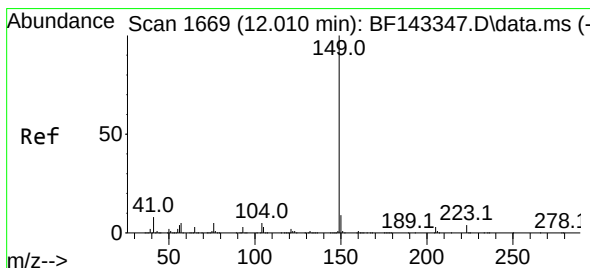
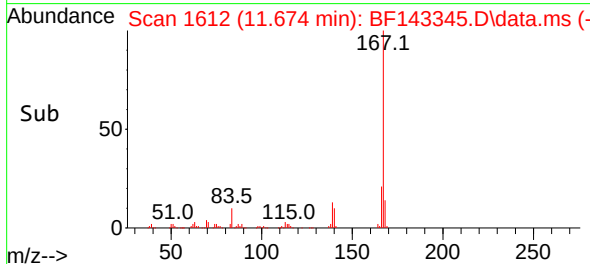
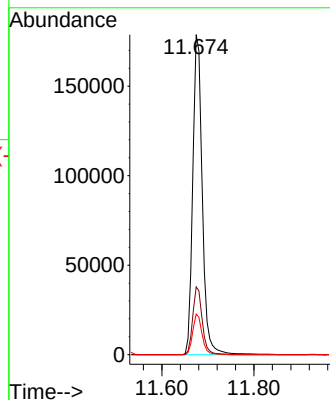
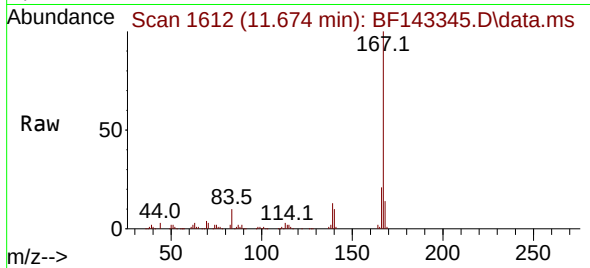




#73
Carbazole
Concen: 10.613 ng
RT: 11.674 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

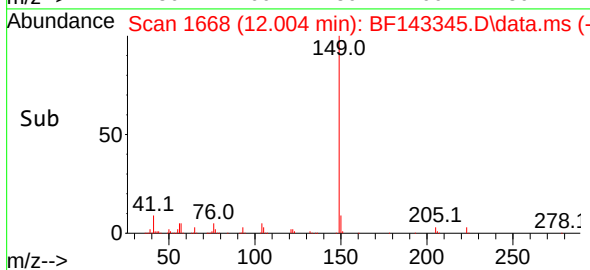
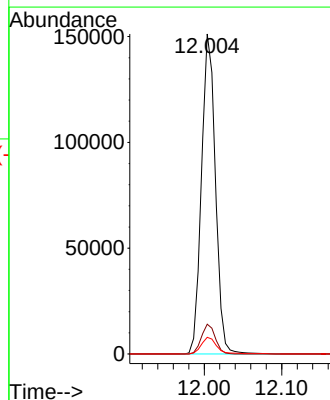
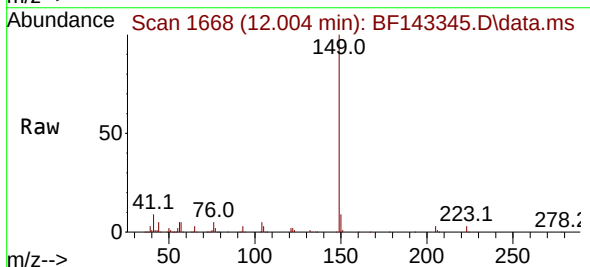
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

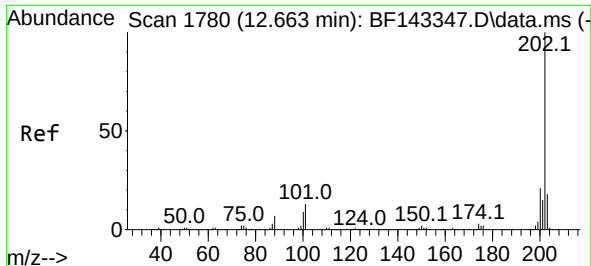
Tgt Ion:167 Resp: 255831
Ion Ratio Lower Upper
167 100
166 21.2 16.8 25.2
139 12.7 10.2 15.2



#74
Di-n-butylphthalate
Concen: 9.269 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 189069
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.2 3.8 5.8

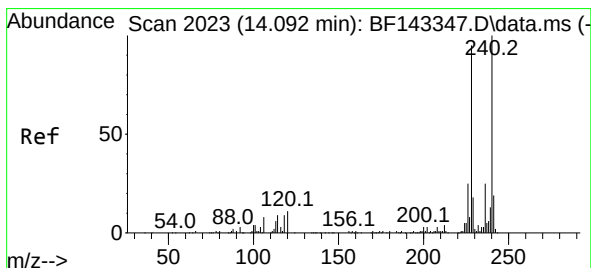
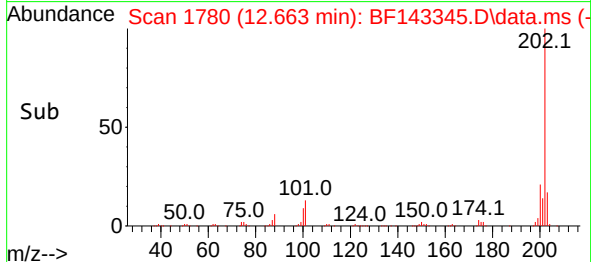
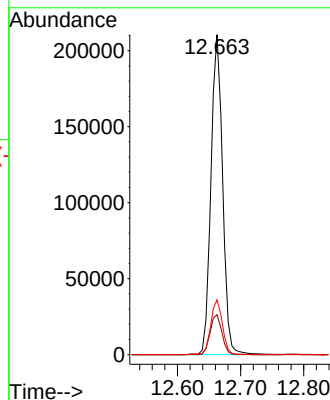
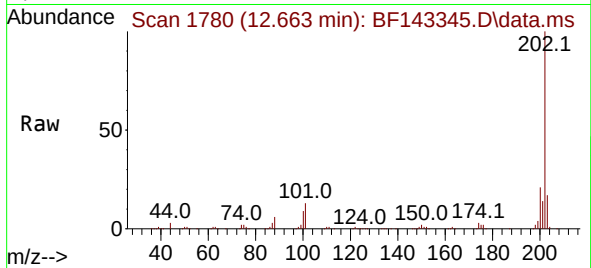




#75
Fluoranthene
Concen: 11.026 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

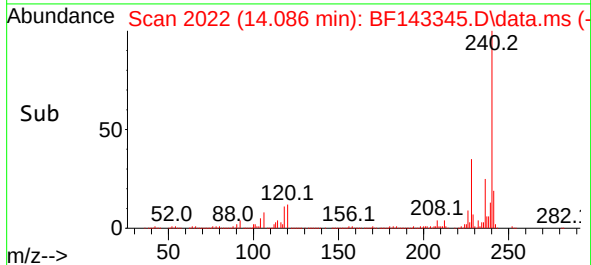
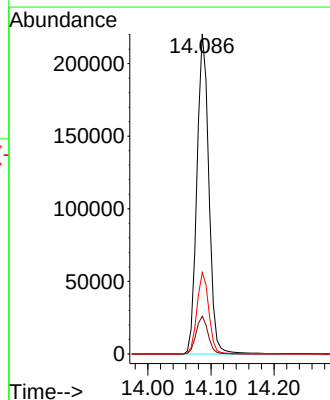
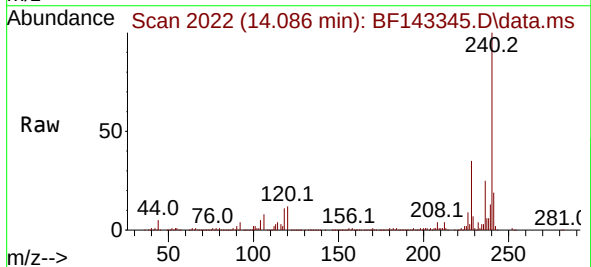
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

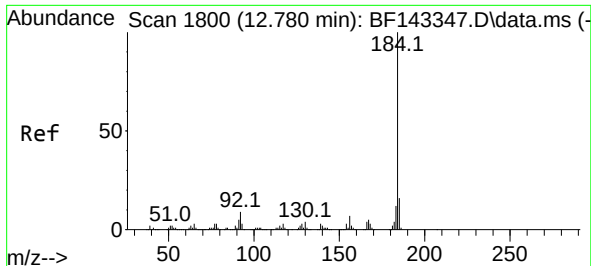
Tgt Ion:202 Resp: 269569
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 17.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:240 Resp: 288804
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.6
236 25.5 19.9 29.9

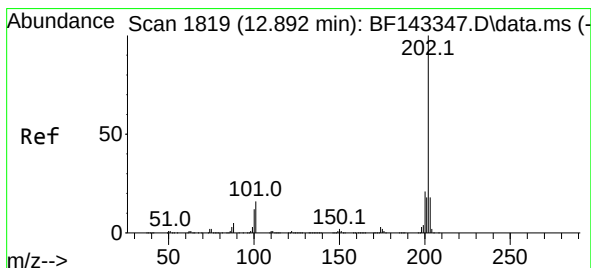
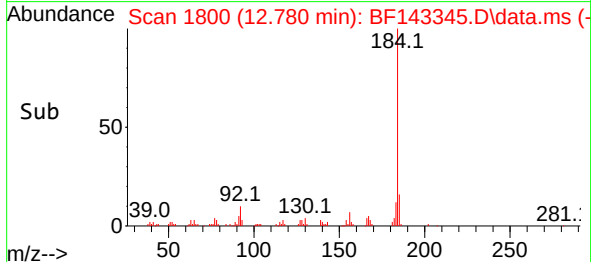
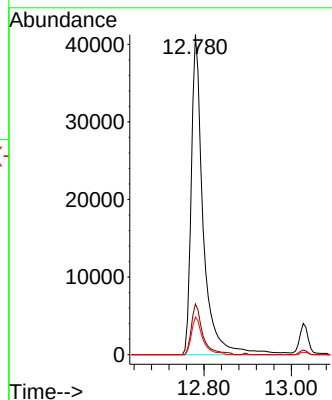
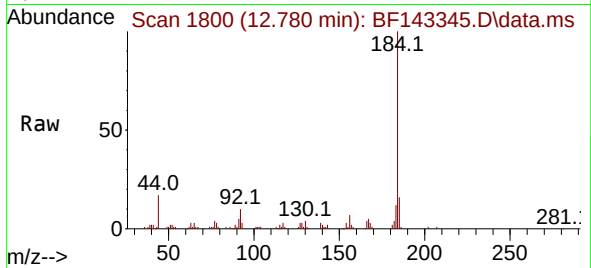




#77
Benzidine
Concen: 9.898 ng
RT: 12.780 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

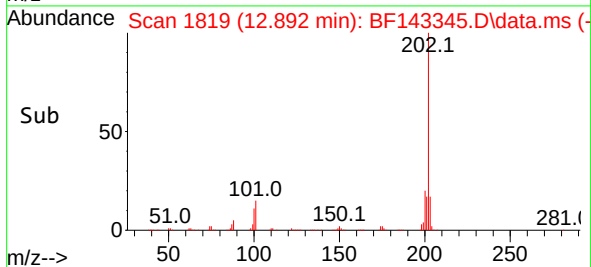
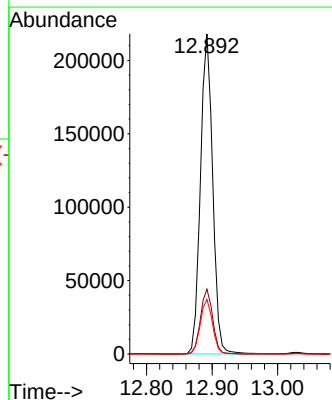
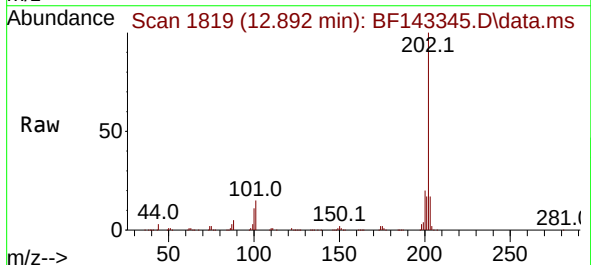
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

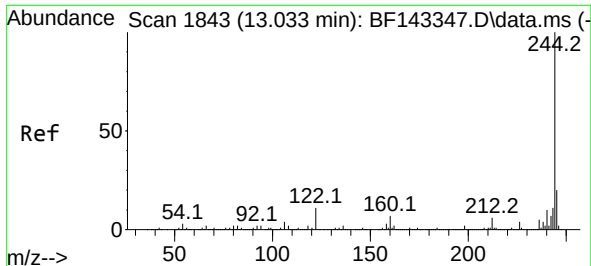
Tgt Ion:184 Resp: 78152
Ion Ratio Lower Upper
184 100
185 15.8 12.8 19.2
183 11.8 9.3 13.9



#78
Pyrene
Concen: 11.697 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

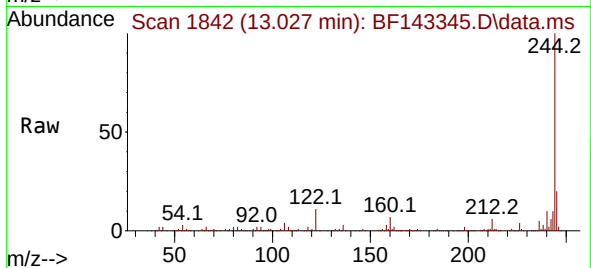
Tgt Ion:202 Resp: 283403
Ion Ratio Lower Upper
202 100
200 20.3 16.8 25.2
203 17.0 14.2 21.4



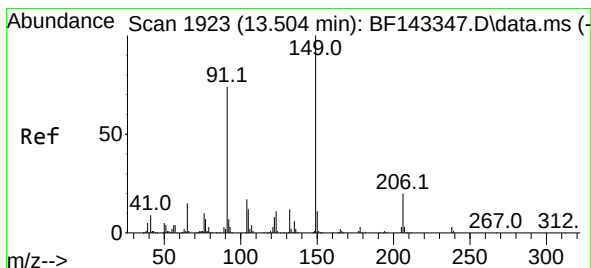
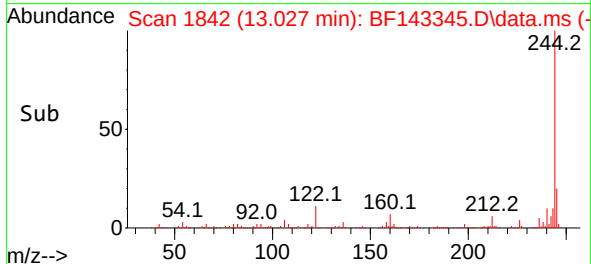
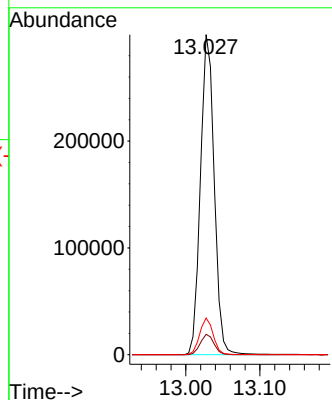


#79
 Terphenyl-d14
 Concen: 24.022 ng
 RT: 13.027 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

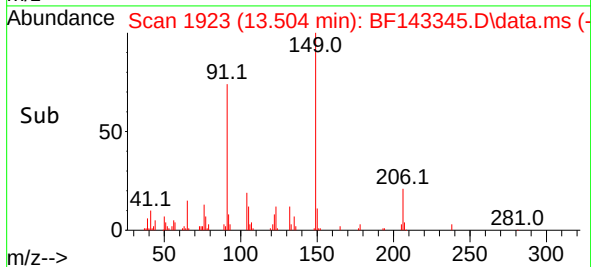
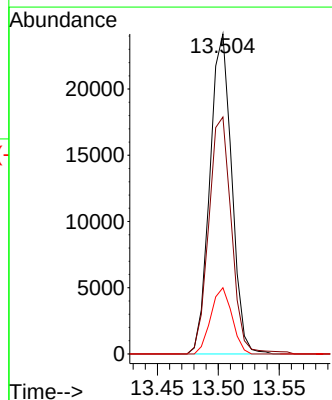
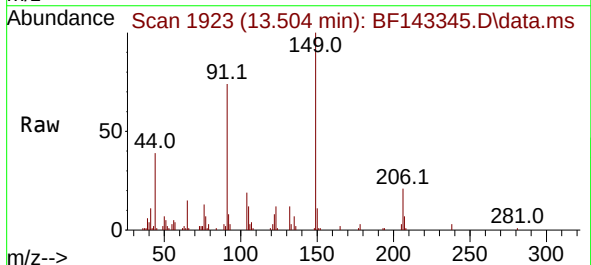


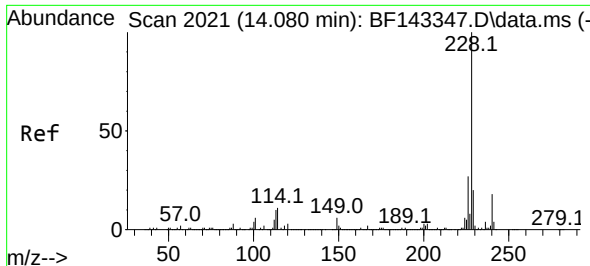
Tgt Ion:244 Resp: 388588
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.5 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 9.196 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 30088
 Ion Ratio Lower Upper
 149 100
 91 74.1 58.8 88.2
 206 20.7 16.4 24.6

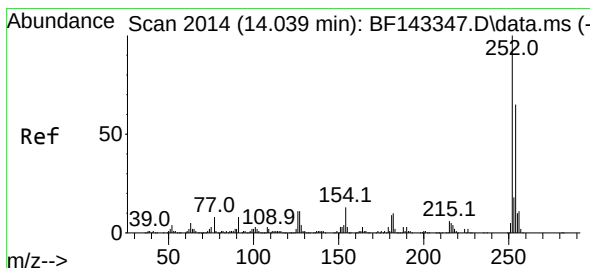
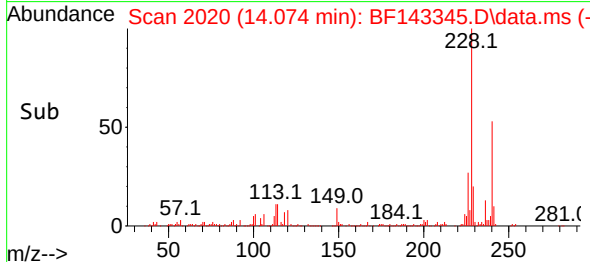
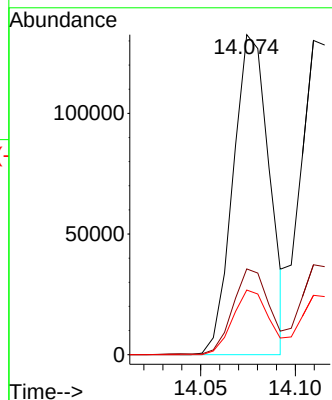
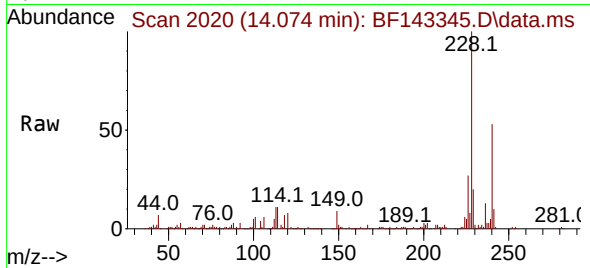




#81
Benzo(a)anthracene
Concen: 9.629 ng
RT: 14.074 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

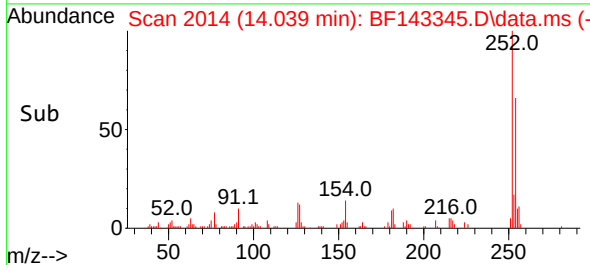
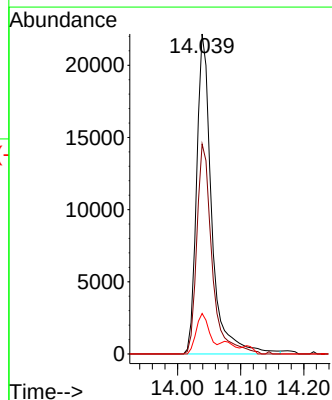
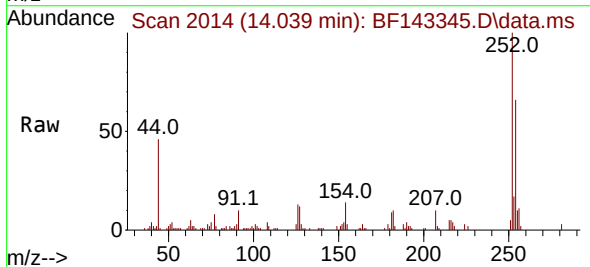
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

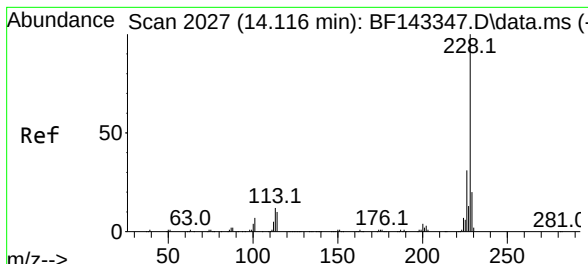
Tgt Ion:228 Resp: 176759
Ion Ratio Lower Upper
228 100
226 26.8 22.0 33.0
229 20.2 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 7.425 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 36804
Ion Ratio Lower Upper
252 100
254 65.6 51.7 77.5
126 12.6 9.2 13.8



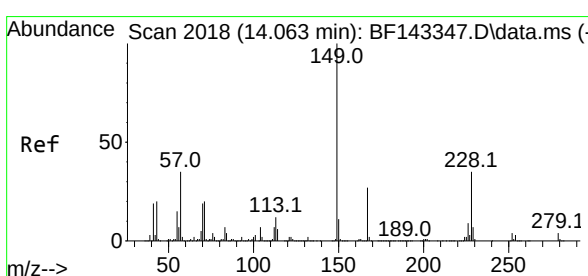
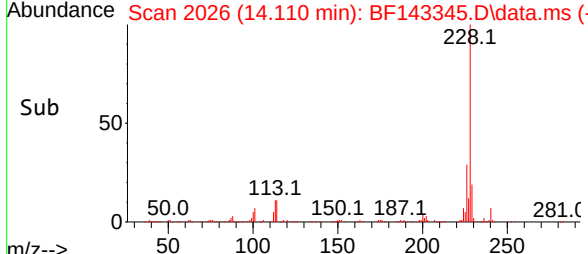
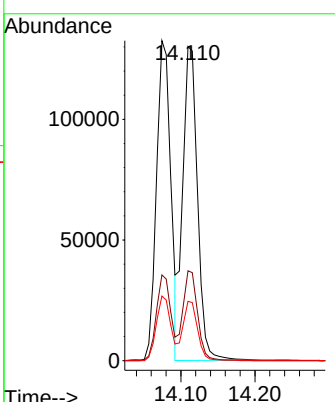
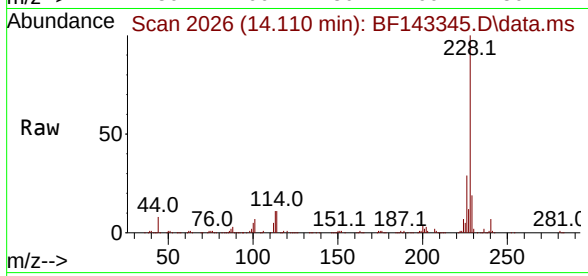


#83
 Chrysene
 Concen: 10.541 ng
 RT: 14.110 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Tgt Ion: 228 Resp: 180427

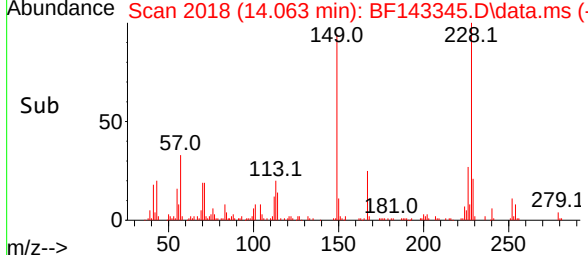
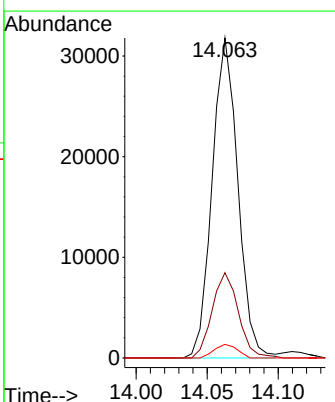
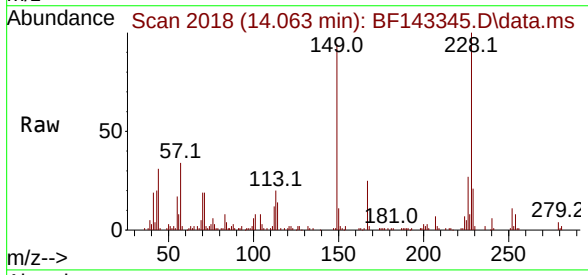
Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.2	36.2
229	18.9	15.8	23.6

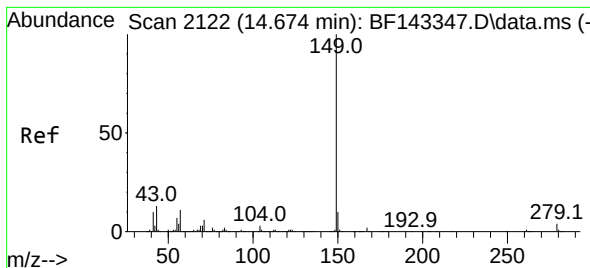


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 9.191 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

Tgt Ion: 149 Resp: 39945

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.3	3.2	4.8





#85

Di-n-octyl phthalate

Concen: 10.933 ng

RT: 14.674 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

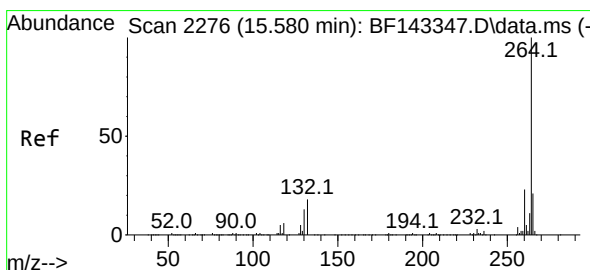
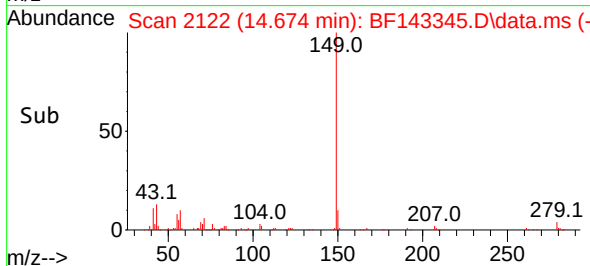
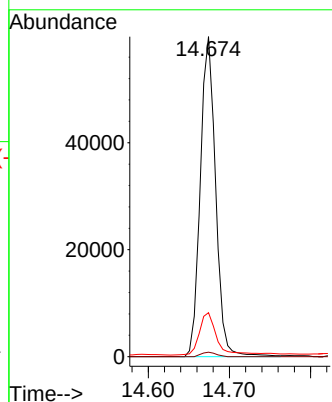
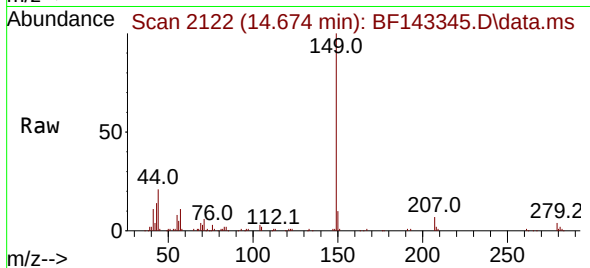
Tgt Ion:149 Resp: 78702

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

43 14.9 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2276

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

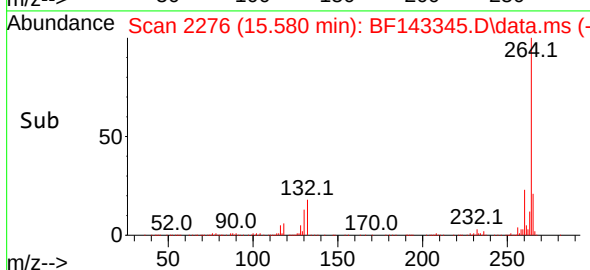
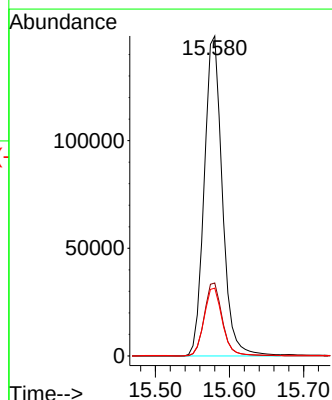
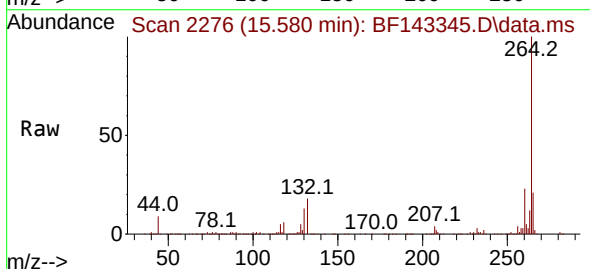
Tgt Ion:264 Resp: 252284

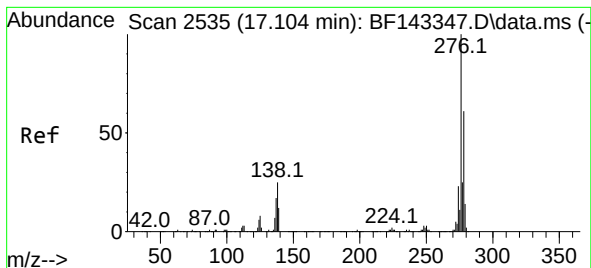
Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 21.2 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.153 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

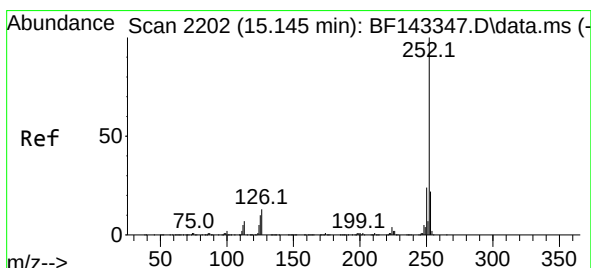
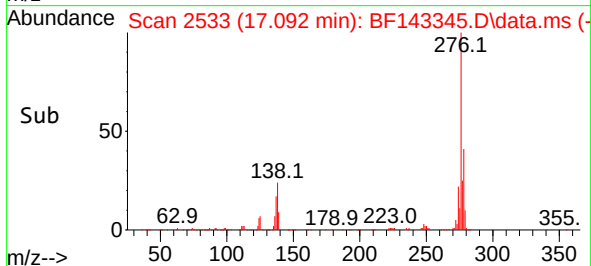
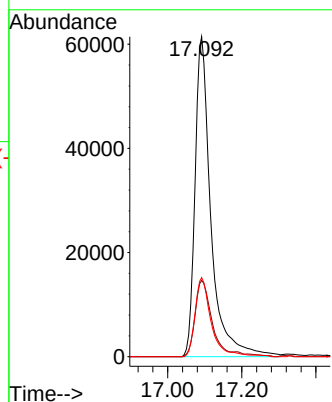
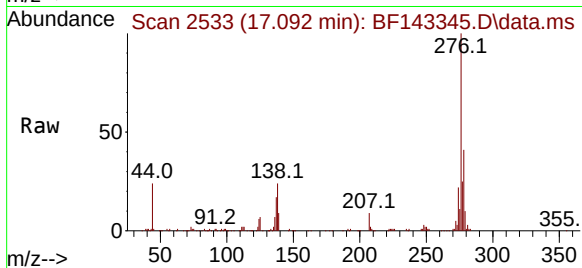
Tgt Ion:276 Resp: 183505

Ion Ratio Lower Upper

276 100

138 26.3 21.1 31.7

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 9.392 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

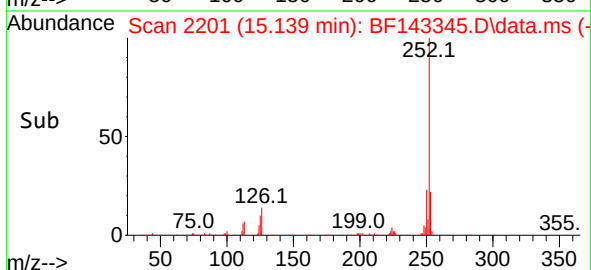
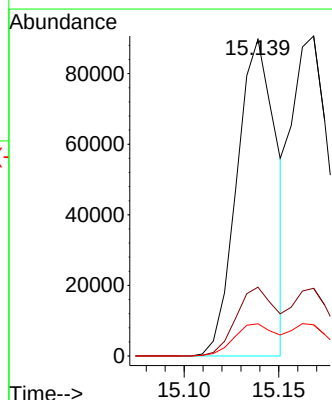
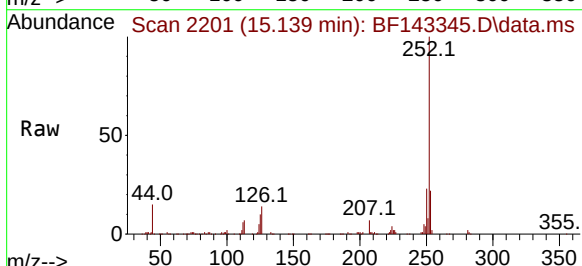
Tgt Ion:252 Resp: 129605

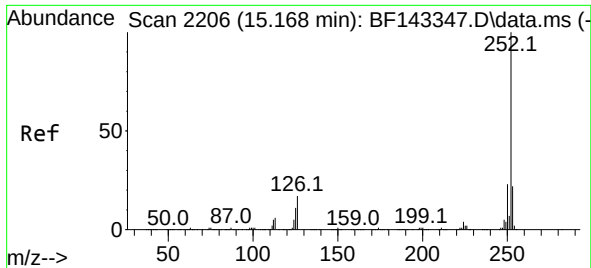
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 10.2 7.8 11.6

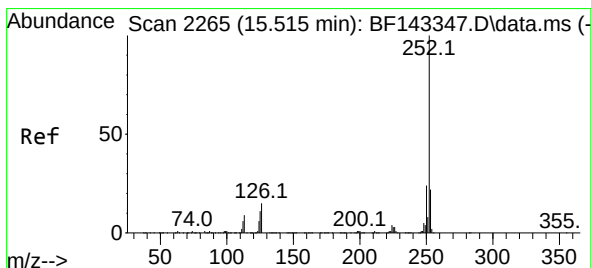
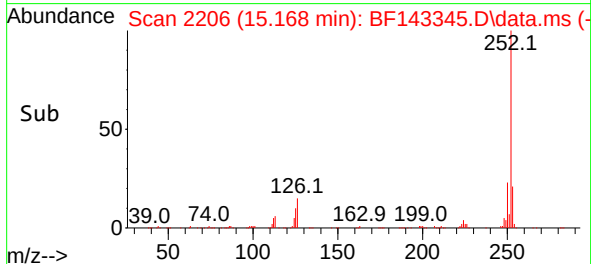
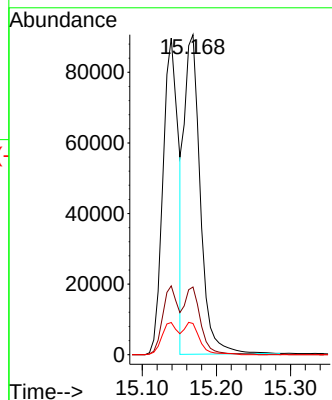
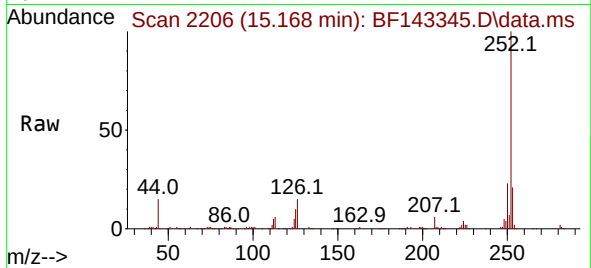




#89
Benzo(k)fluoranthene
Concen: 10.165 ng
RT: 15.168 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

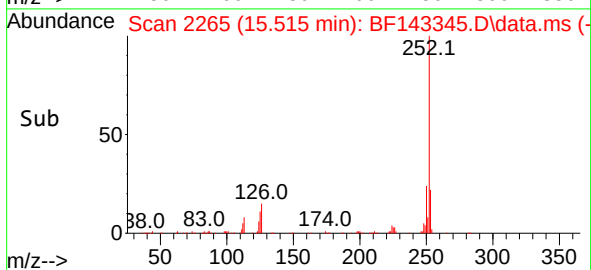
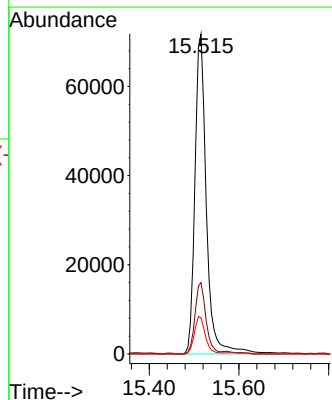
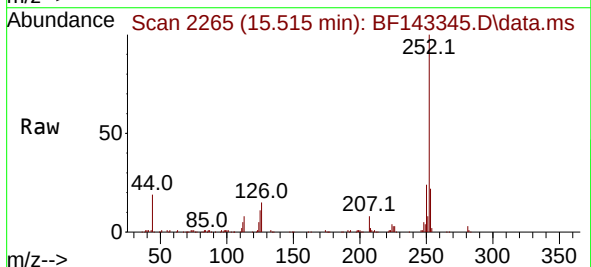
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

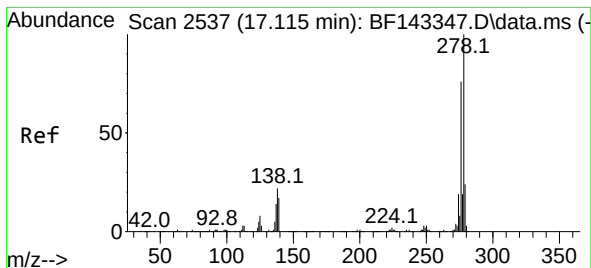
Tgt Ion:252 Resp: 136296
Ion Ratio Lower Upper
252 100
253 21.1 17.6 26.4
125 9.8 8.4 12.6



#90
Benzo(a)pyrene
Concen: 9.814 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 127540
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 11.3 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 10.148 ng

RT: 17.109 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

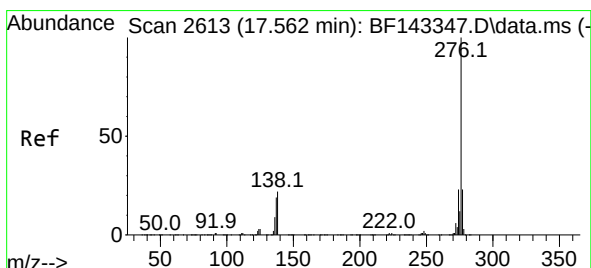
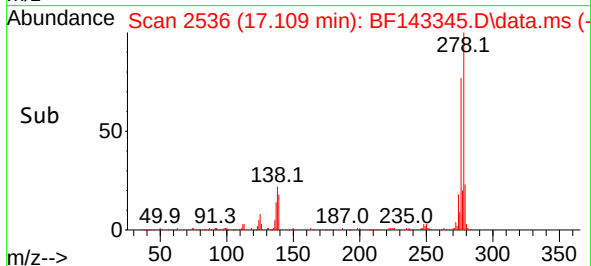
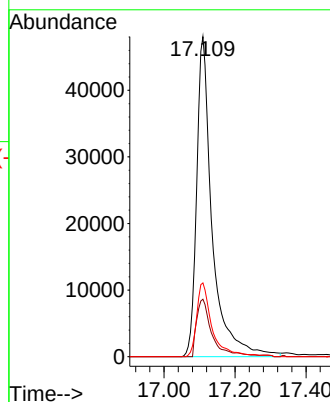
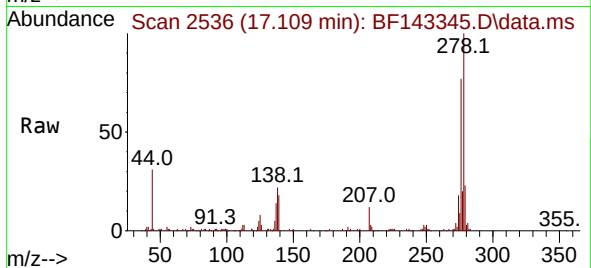
Tgt Ion:278 Resp: 146537

Ion Ratio Lower Upper

278 100

139 17.9 14.0 21.0

279 23.0 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 10.338 ng

RT: 17.551 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

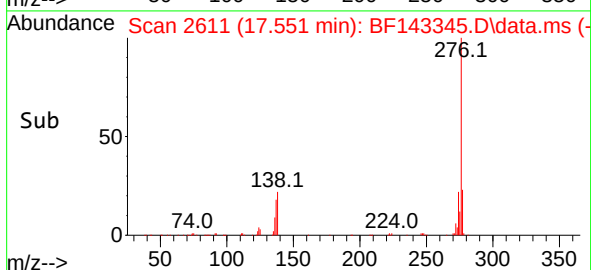
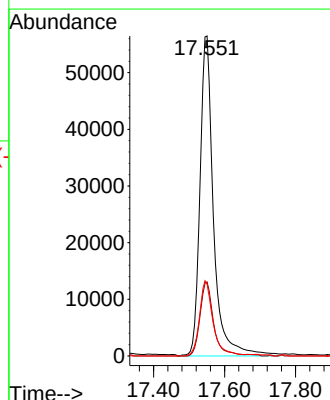
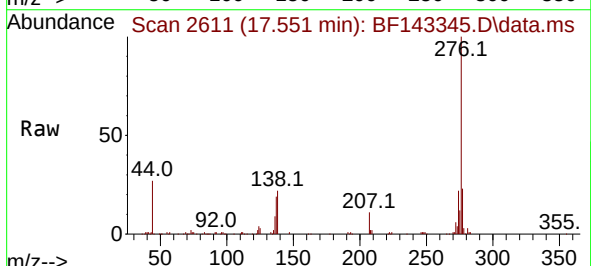
Tgt Ion:276 Resp: 150383

Ion Ratio Lower Upper

276 100

277 23.2 18.7 28.1

138 22.4 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143377.D
 Acq On : 14 Aug 2025 12:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 14 13:16:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	143032	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	542236	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	283411	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	404824	20.000	ng	0.00
76) Chrysene-d12	14.098	240	239234	20.000	ng	0.00
86) Perylene-d12	15.592	264	289673	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	619218	74.863	ng	0.00
7) Phenol-d6	6.563	99	763071	71.941	ng	0.00
23) Nitrobenzene-d5	7.492	82	688096	79.025	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	172272	83.174	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1221958	73.114	ng	0.00
79) Terphenyl-d14	13.039	244	982722	73.338	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	152653	35.666	ng	98
3) Pyridine	3.522	79	412638	36.179	ng	99
4) n-Nitrosodimethylamine	3.451	42	187367	35.267	ng	98
6) Aniline	6.598	93	530102	35.450	ng	97
8) 2-Chlorophenol	6.722	128	337460	38.182	ng	98
9) Benzaldehyde	6.487	77	233521	33.310	ng	98
10) Phenol	6.581	94	456448	36.326	ng	98
11) bis(2-Chloroethyl)ether	6.663	93	333589	36.022	ng	99
12) 1,3-Dichlorobenzene	6.881	146	368645	36.162	ng	98
13) 1,4-Dichlorobenzene	6.951	146	368057	35.973	ng	99
14) 1,2-Dichlorobenzene	7.104	146	353914	36.440	ng	99
15) Benzyl Alcohol	7.075	79	283480	37.284	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.204	45	598078	36.174	ng	98
17) 2-Methylphenol	7.187	107	271579	36.403	ng	100
18) Hexachloroethane	7.451	117	125788	39.214	ng	95
19) n-Nitroso-di-n-propyla...	7.339	70	228789	34.908	ng	98
20) 3+4-Methylphenols	7.339	107	331798	36.775	ng	97
22) Acetophenone	7.339	105	425087	35.580	ng	98
24) Nitrobenzene	7.510	77	359814	38.049	ng	98
25) Isophorone	7.751	82	628488	35.357	ng	99
26) 2-Nitrophenol	7.828	139	165535	44.009	ng	100
27) 2,4-Dimethylphenol	7.863	122	271658	36.632	ng	100
28) bis(2-Chloroethoxy)met...	7.957	93	395236	36.418	ng	100
29) 2,4-Dichlorophenol	8.075	162	280574	38.736	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	286115	37.448	ng	99
31) Naphthalene	8.239	128	950950	36.447	ng	100
32) Benzoic acid	7.975	122	133895	43.135	ng	99
33) 4-Chloroaniline	8.281	127	341490	36.287	ng	99
34) Hexachlorobutadiene	8.357	225	181385	38.164	ng	99
35) Caprolactam	8.639	113	76059	37.353	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	282403	37.191	ng	99
37) 2-Methylnaphthalene	8.928	142	622239	36.276	ng	99
38) 1-Methylnaphthalene	9.028	142	599818	36.308	ng	99
40) 1,2,4,5-Tetrachloroben...	9.098	216	293706	37.871	ng	99
41) Hexachlorocyclopentadiene	9.086	237	122851	47.813	ng	99
43) 2,4,6-Trichlorophenol	9.210	196	179680	40.834	ng	99

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 Data File : BF143377.D
 Acq On : 14 Aug 2025 12:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

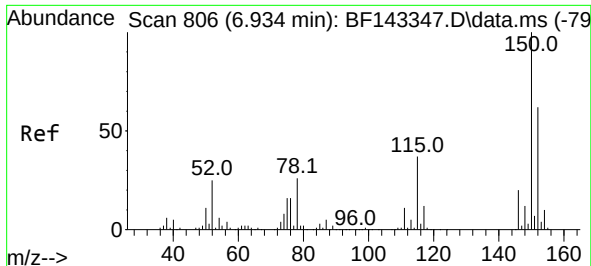
Instrument :
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 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 14 13:16:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	195288	39.301	ng	98
46) 1,1'-Biphenyl	9.392	154	727640	36.312	ng	100
47) 2-Chloronaphthalene	9.416	162	575800	36.485	ng	99
48) 2-Nitroaniline	9.510	65	174216	38.835	ng	98
49) Acenaphthylene	9.833	152	822757	36.100	ng	99
50) Dimethylphthalate	9.681	163	605945	36.590	ng	100
51) 2,6-Dinitrotoluene	9.745	165	122638	39.683	ng	97
52) Acenaphthene	10.004	154	543801	35.890	ng	99
53) 3-Nitroaniline	9.916	138	138234	40.760	ng	98
54) 2,4-Dinitrophenol	10.028	184	37998	39.881	ng	90
55) Dibenzofuran	10.175	168	787502	36.113	ng	99
56) 4-Nitrophenol	10.080	139	80105	33.008	ng	96
57) 2,4-Dinitrotoluene	10.151	165	163031	39.758	ng	92
58) Fluorene	10.522	166	593649	35.641	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.298	232	141719	42.309	ng	97
60) Diethylphthalate	10.386	149	549288	37.031	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	293085	36.416	ng	99
62) 4-Nitroaniline	10.528	138	124208	37.855	ng	99
63) Azobenzene	10.669	77	600012	35.414	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	69944	43.506	ng	95
66) n-Nitrosodiphenylamine	10.627	169	498392	37.389	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	178131	38.474	ng	99
68) Hexachlorobenzene	11.075	284	186624	37.395	ng	99
69) Atrazine	11.151	200	135519	38.979	ng	100
70) Pentachlorophenol	11.269	266	75453	34.523	ng	94
71) Phenanthrene	11.480	178	808775	36.618	ng	100
72) Anthracene	11.533	178	823989	36.786	ng	99
73) Carbazole	11.686	167	672887	35.273	ng	99
74) Di-n-butylphthalate	12.016	149	677330	41.959	ng	100
75) Fluoranthene	12.674	202	695831	35.965	ng	98
77) Benzidine	12.786	184	257151	39.317	ng	98
78) Pyrene	12.904	202	703812	35.069	ng	100
80) Butylbenzylphthalate	13.510	149	198206	49.838	ng	98
81) Benzo(a)anthracene	14.086	228	575793	37.867	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	165667	40.349	ng	99
83) Chrysene	14.127	228	496975	35.052	ng	100
84) Bis(2-ethylhexyl)phtha...	14.074	149	293859	50.177	ng	98
85) Di-n-octyl phthalate	14.686	149	552169	47.599	ng	97
87) Indeno(1,2,3-cd)pyrene	17.121	276	820270	39.525	ng	99
88) Benzo(b)fluoranthene	15.151	252	585035	36.925	ng	99
89) Benzo(k)fluoranthene	15.180	252	538537	34.980	ng	100
90) Benzo(a)pyrene	15.533	252	550144	36.867	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	657670	39.667	ng	99
92) Benzo(g,h,i)perylene	17.586	276	662349	39.657	ng	100

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

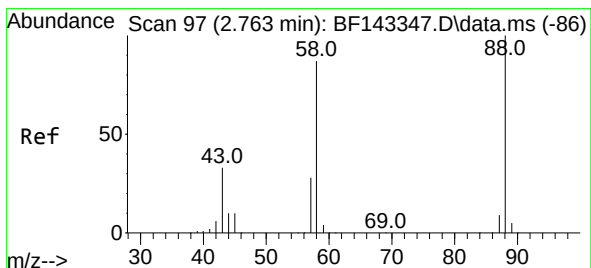
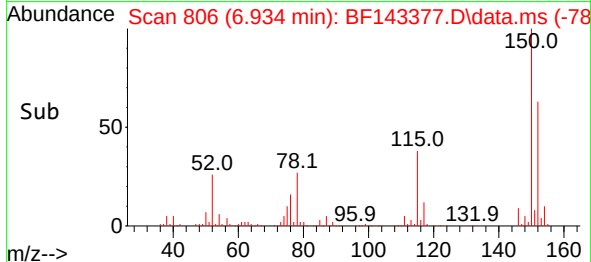
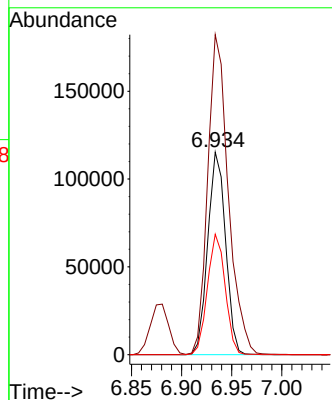
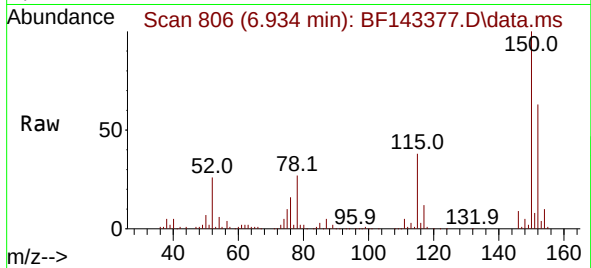
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- 17
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

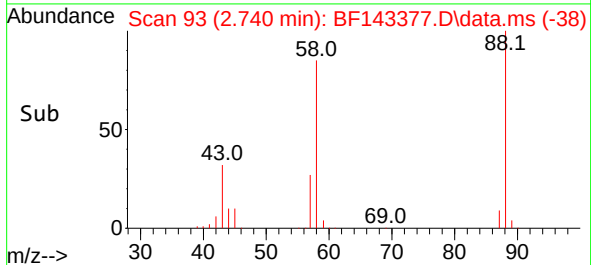
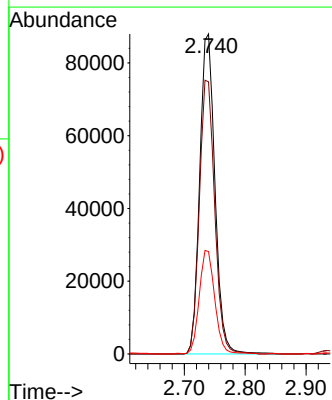
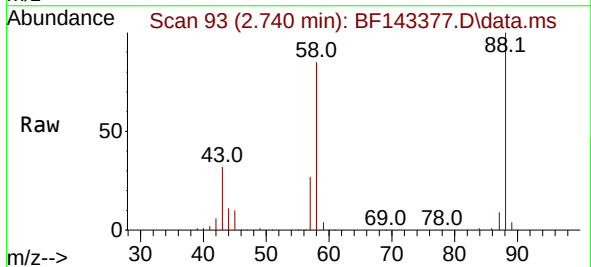
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ClientSampleId :
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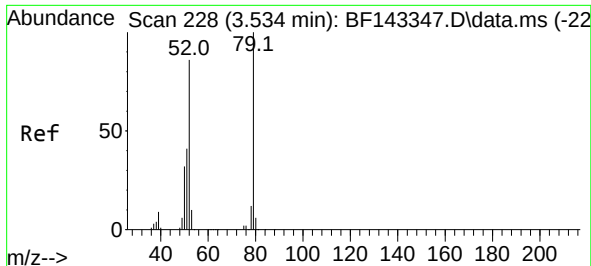
Tgt Ion:152 Resp: 143032
Ion Ratio Lower Upper
152 100
150 158.0 129.8 194.8
115 59.5 47.8 71.8



#2
1,4-Dioxane
Concen: 35.666 ng
RT: 2.740 min Scan# 93
Delta R.T. -0.024 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

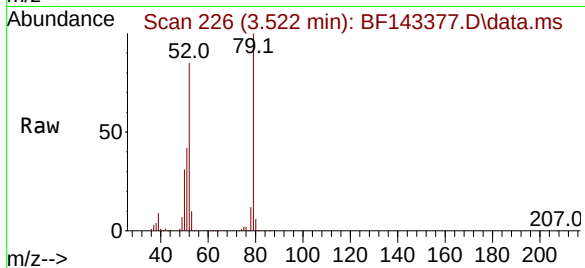
Tgt Ion: 88 Resp: 152653
Ion Ratio Lower Upper
88 100
58 86.1 71.0 106.6
43 33.1 27.0 40.6



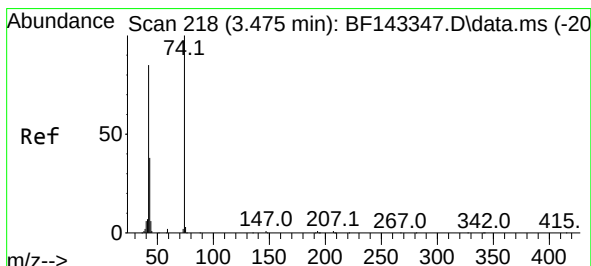
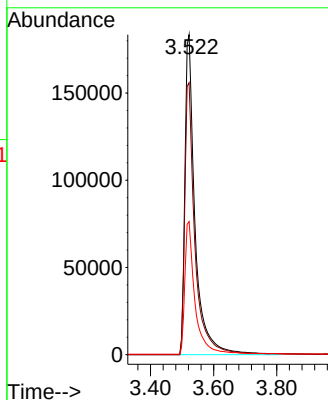
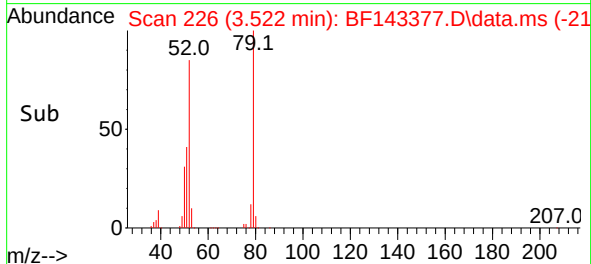


#3
Pyridine
Concen: 36.179 ng
RT: 3.522 min Scan# 214
Delta R.T. -0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

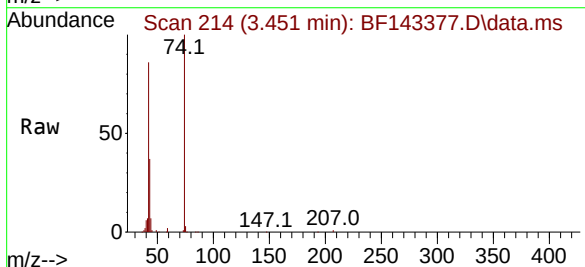
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ClientSampleId :
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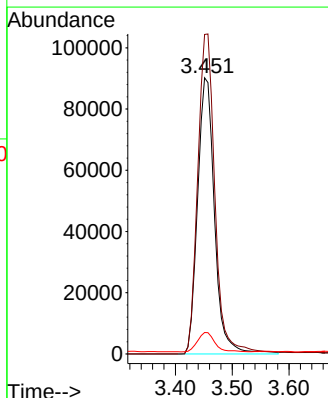
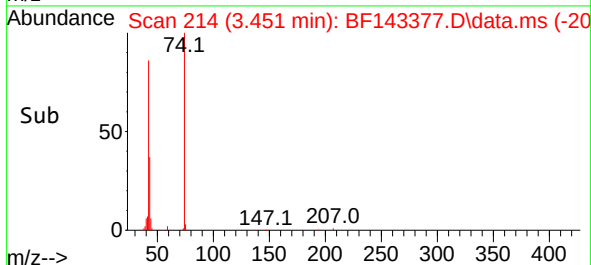
Tgt Ion: 79 Resp: 412638
Ion Ratio Lower Upper
79 100
52 85.0 68.7 103.1
51 41.6 33.4 50.0

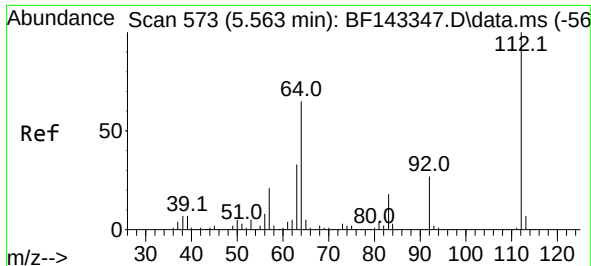


#4
n-Nitrosodimethylamine
Concen: 35.267 ng
RT: 3.451 min Scan# 214
Delta R.T. -0.024 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55



Tgt Ion: 42 Resp: 187367
Ion Ratio Lower Upper
42 100
74 115.7 94.1 141.1
44 7.8 6.5 9.7

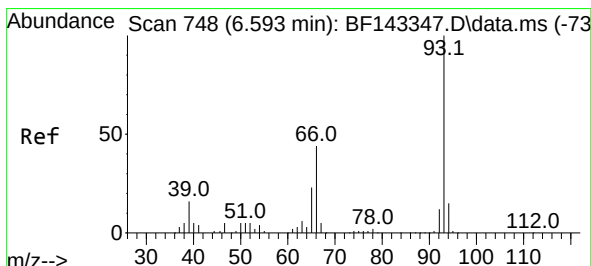
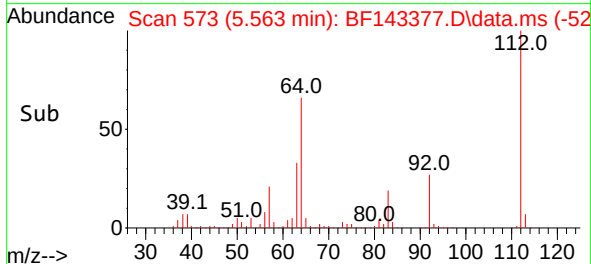
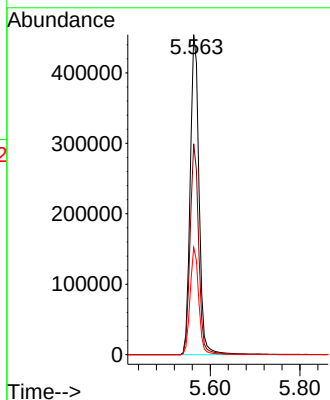
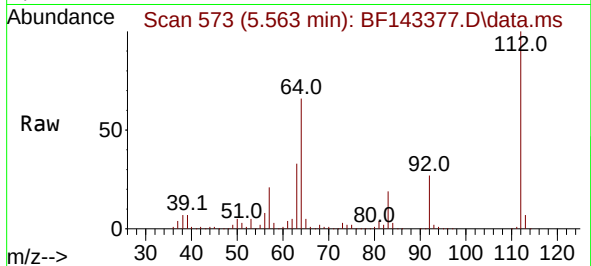




#5
2-Fluorophenol
Concen: 74.863 ng
RT: 5.563 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

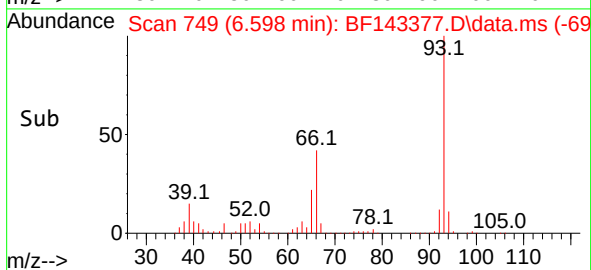
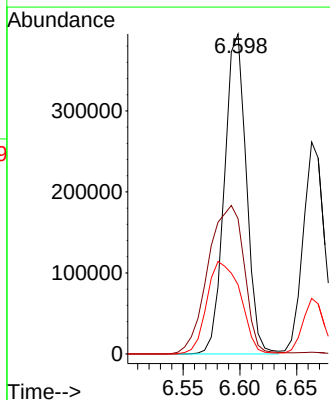
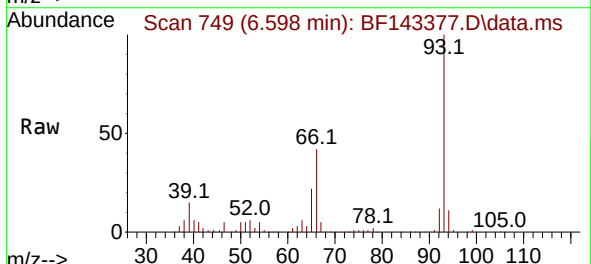
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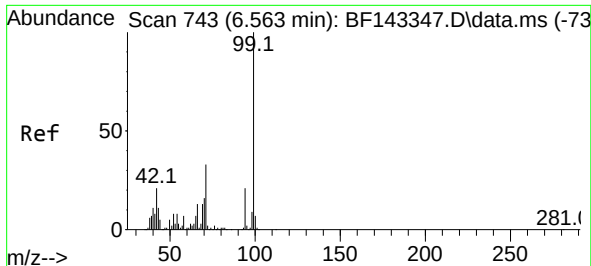
Tgt Ion:112 Resp: 619218
Ion Ratio Lower Upper
112 100
64 65.9 52.1 78.1
63 33.5 26.6 39.8



#6
Aniline
Concen: 35.450 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion: 93 Resp: 530102
Ion Ratio Lower Upper
93 100
66 42.3 35.3 52.9
65 21.6 18.2 27.4

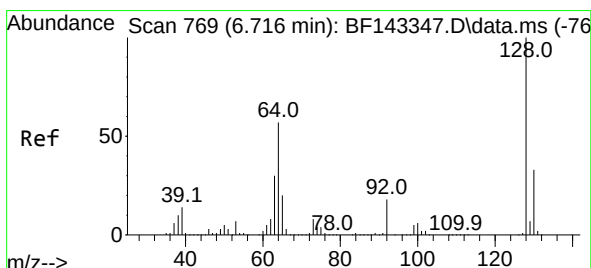
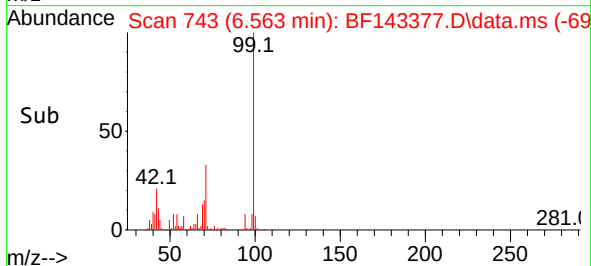
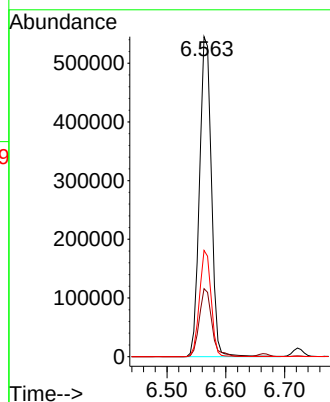
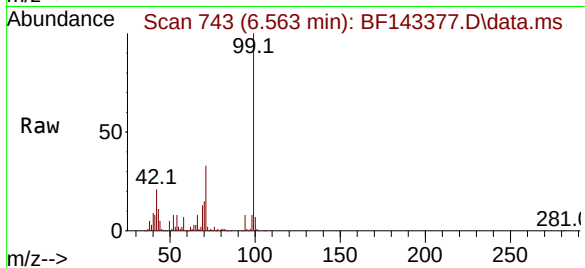




#7
Phenol-d6
Concen: 71.941 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

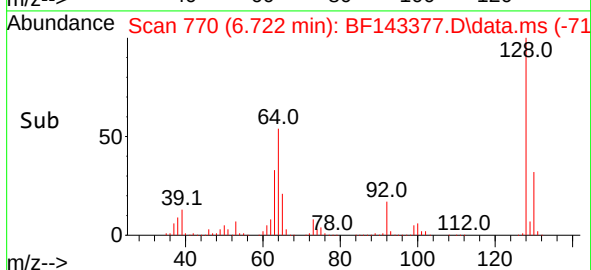
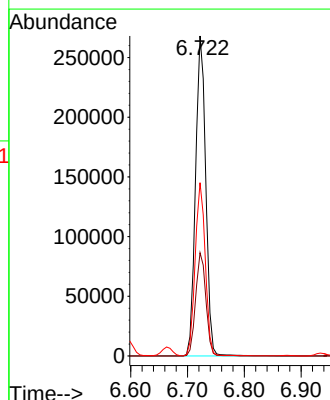
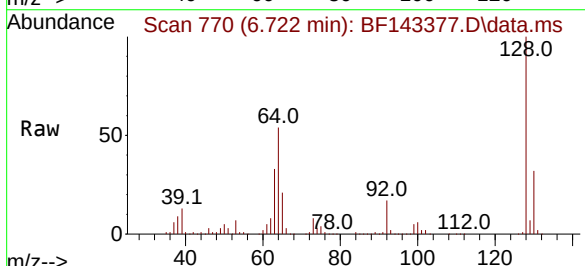
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ClientSampleId :
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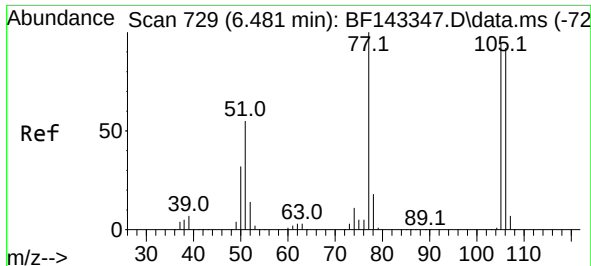
Tgt Ion: 99 Resp: 763071
Ion Ratio Lower Upper
99 100
42 21.2 16.6 25.0
71 33.2 26.2 39.2



#8
2-Chlorophenol
Concen: 38.182 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion: 128 Resp: 337460
Ion Ratio Lower Upper
128 100
130 32.2 12.6 52.6
64 54.2 36.7 76.7

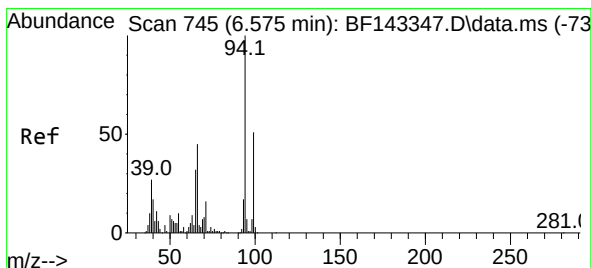
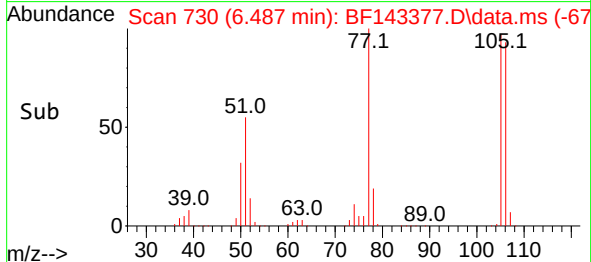
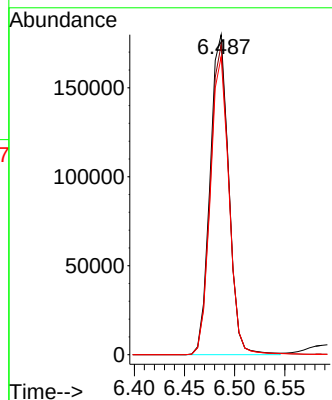
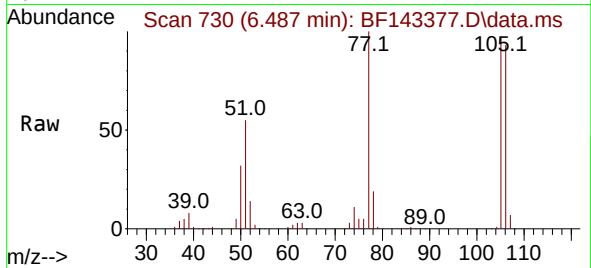




#9
Benzaldehyde
Concen: 33.310 ng
RT: 6.487 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

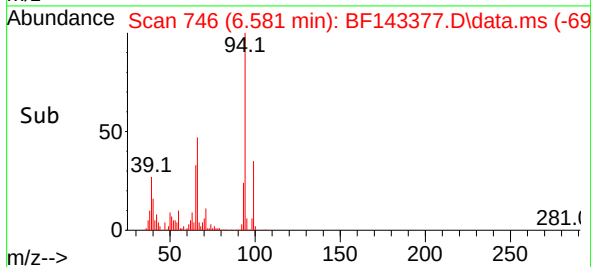
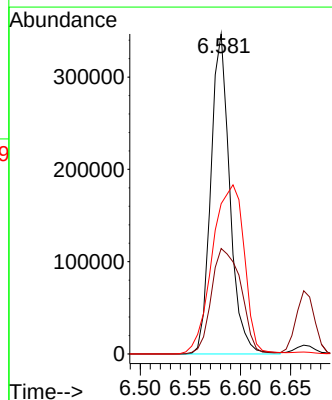
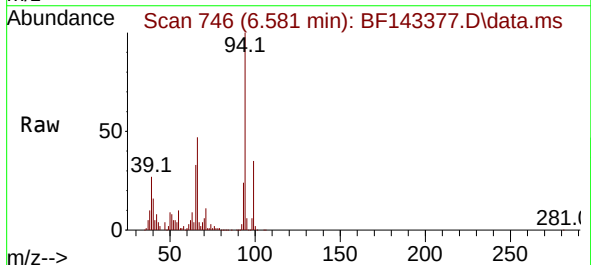
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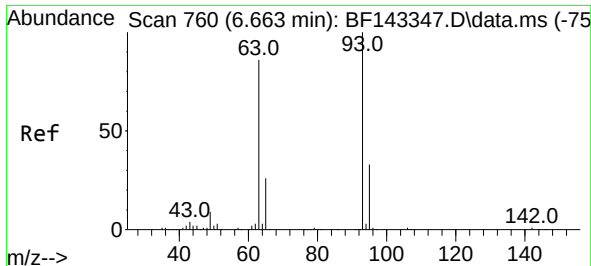
Tgt Ion: 77 Resp: 233521
Ion Ratio Lower Upper
77 100
105 96.8 74.2 114.2
106 93.2 72.2 112.2



#10
Phenol
Concen: 36.326 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion: 94 Resp: 456448
Ion Ratio Lower Upper
94 100
65 32.9 12.0 52.0
66 47.0 25.6 65.6

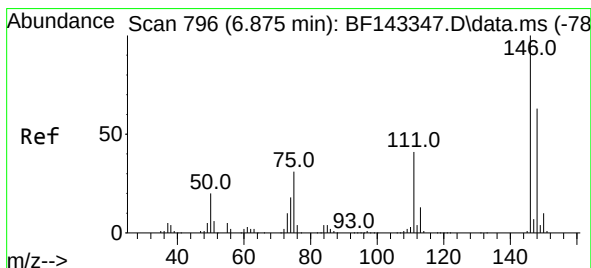
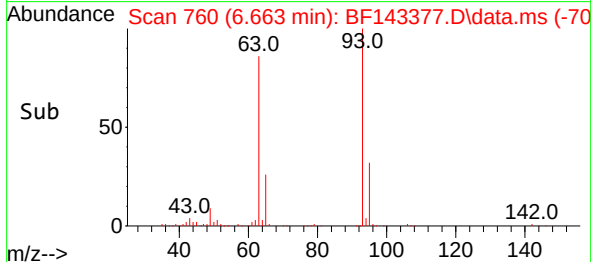
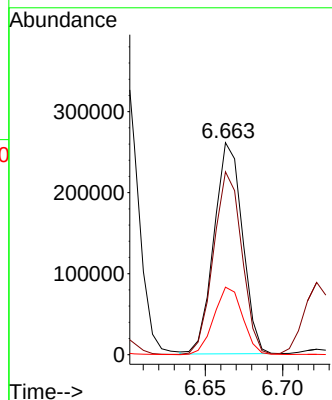
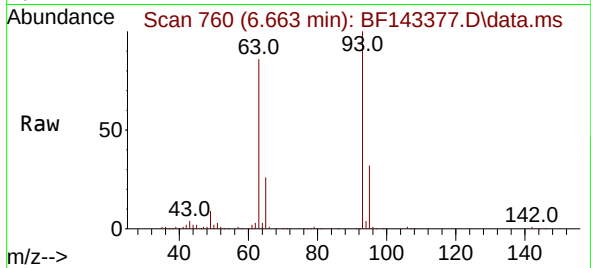




#11
bis(2-Chloroethyl)ether
Concen: 36.022 ng
RT: 6.663 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

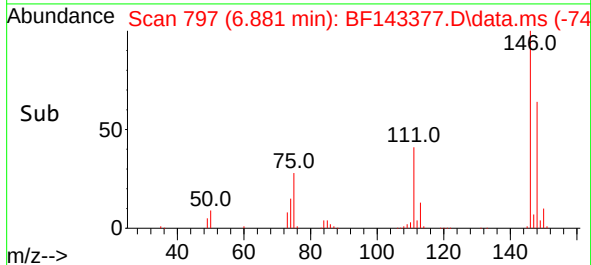
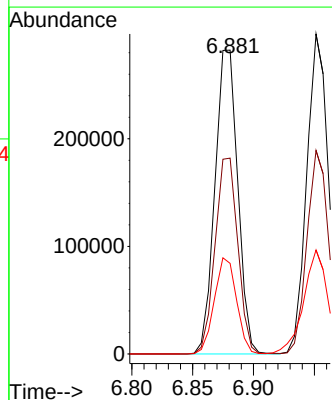
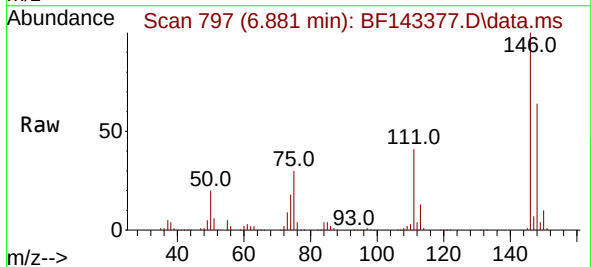
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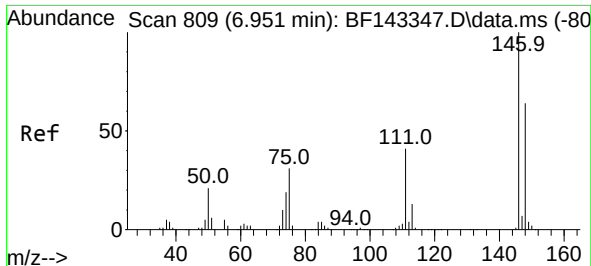
Tgt Ion: 93 Resp: 333589
Ion Ratio Lower Upper
93 100
63 86.3 65.7 105.7
95 31.9 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 36.162 ng
RT: 6.881 min Scan# 797
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:146 Resp: 368645
Ion Ratio Lower Upper
146 100
148 64.5 50.5 75.7
75 29.8 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 35.973 ng

RT: 6.951 min Scan# 809

Delta R.T. -0.000 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

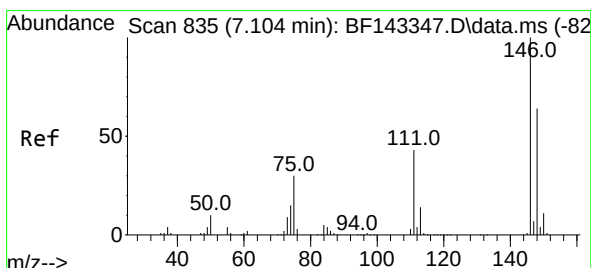
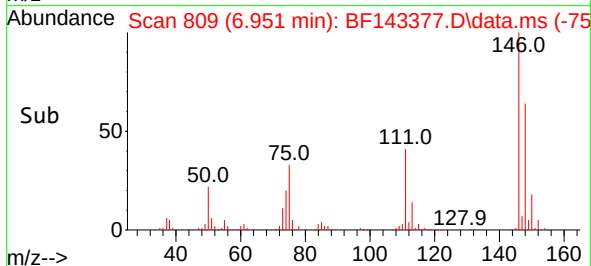
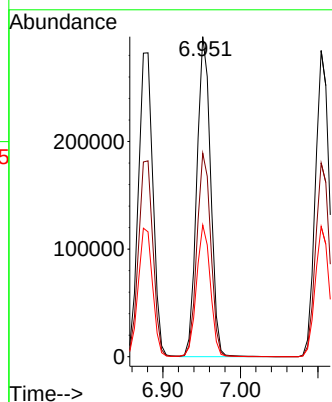
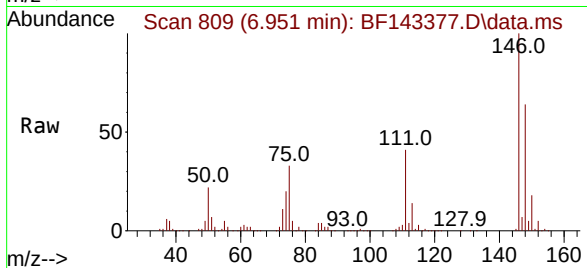
Tgt Ion:146 Resp: 368057

Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.0

111 41.2 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 36.440 ng

RT: 7.104 min Scan# 835

Delta R.T. -0.000 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

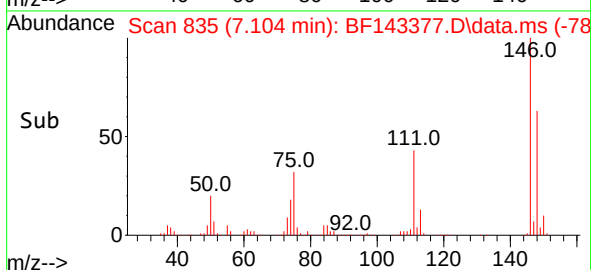
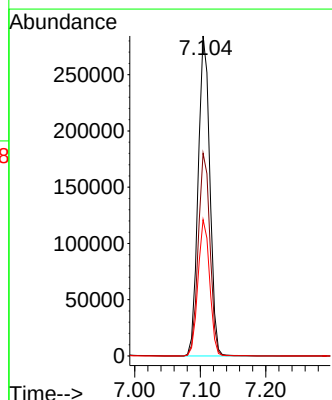
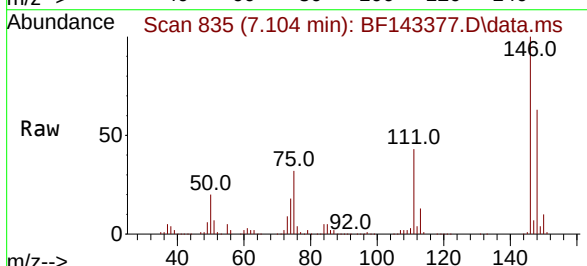
Tgt Ion:146 Resp: 353914

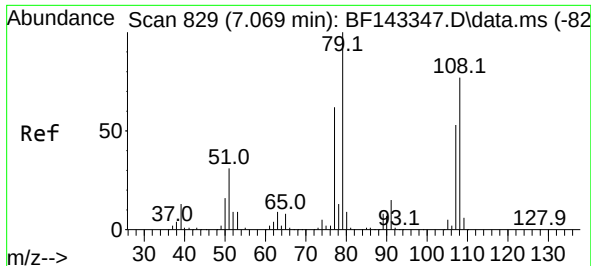
Ion Ratio Lower Upper

146 100

148 63.3 51.4 77.2

111 42.6 34.1 51.1

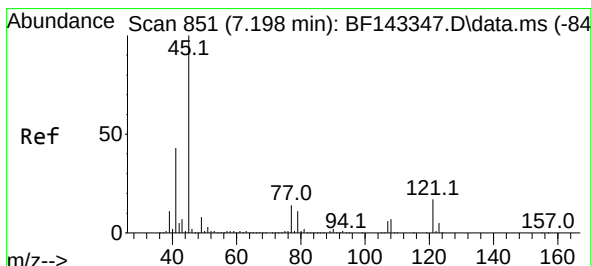
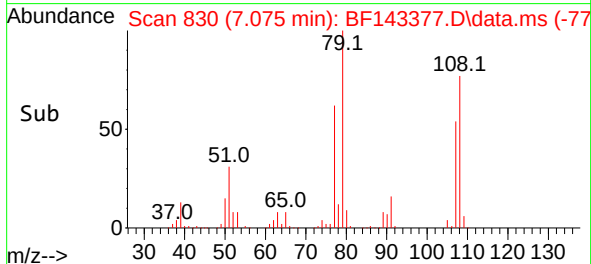
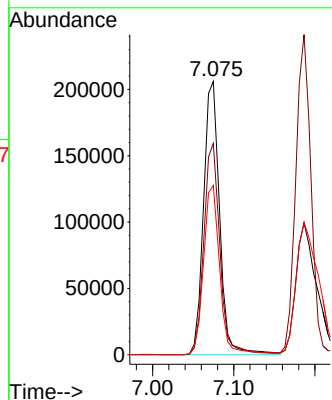
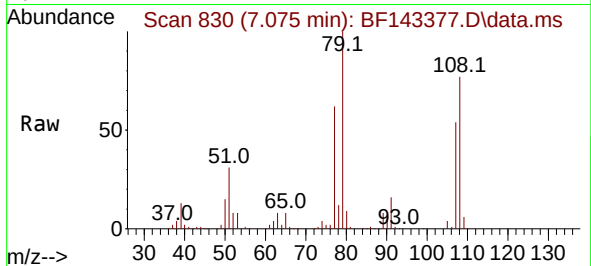




#15
Benzyl Alcohol
Concen: 37.284 ng
RT: 7.075 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

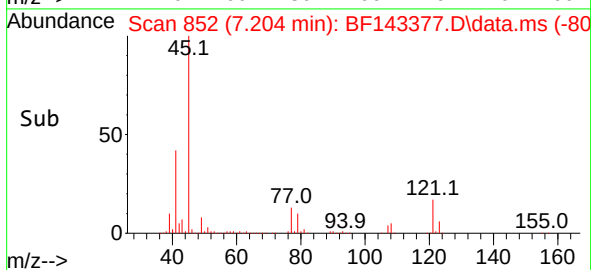
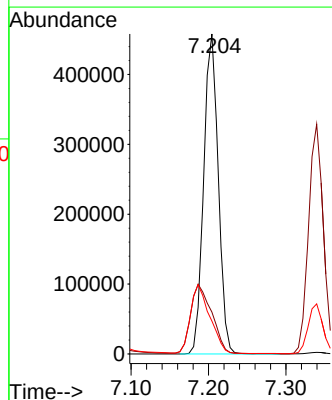
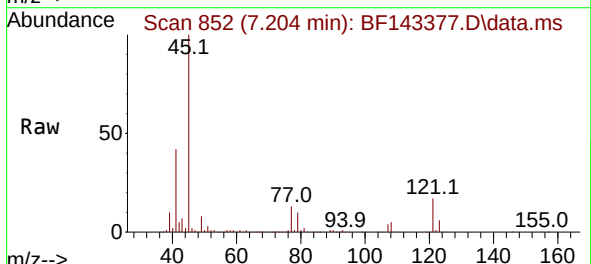
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

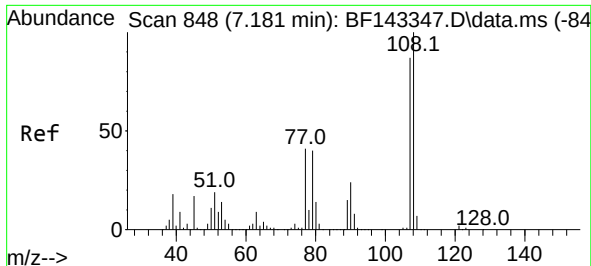
Tgt Ion:	79	Resp:	283480
Ion Ratio	Lower	Upper	
79	100		
108	77.3	61.5	92.3
77	62.0	49.8	74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.174 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:	45	Resp:	598078
Ion Ratio	Lower	Upper	
45	100		
77	13.1	0.0	34.0
79	10.3	0.0	31.1

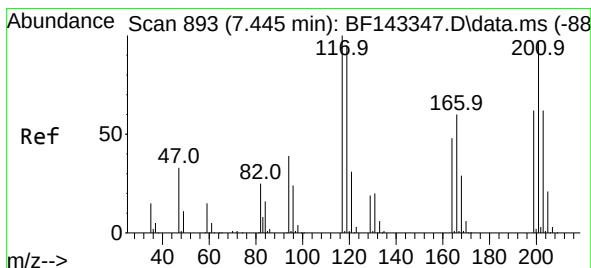
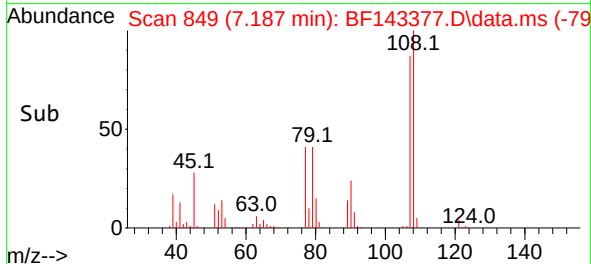
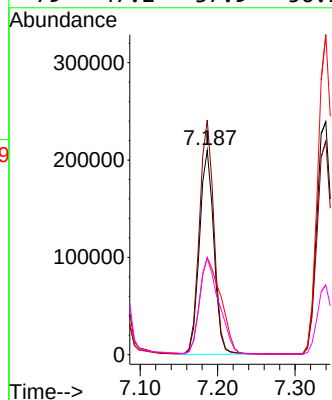
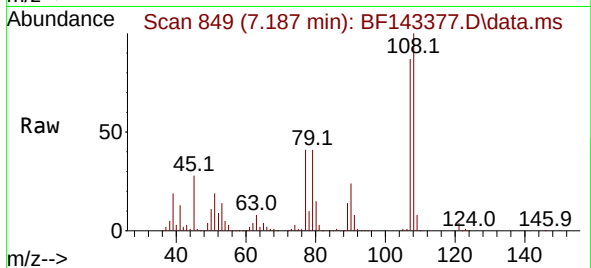




#17
2-Methylphenol
Concen: 36.403 ng
RT: 7.187 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

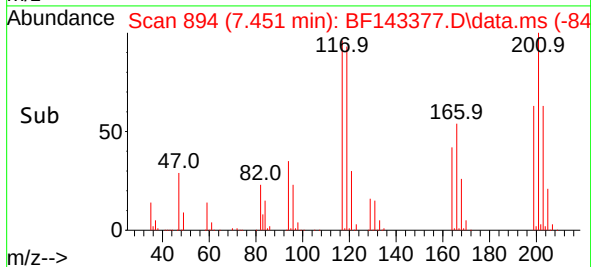
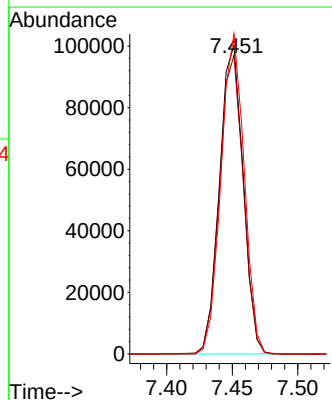
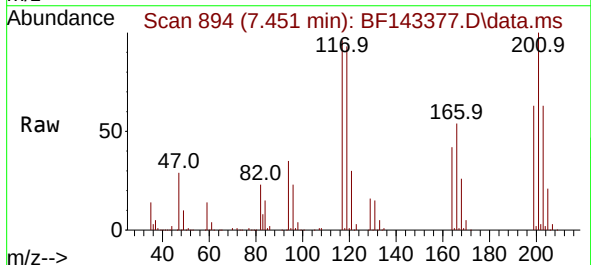
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

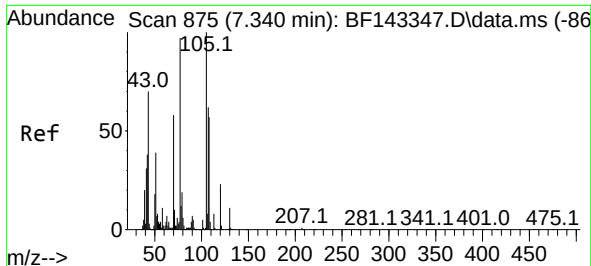
Tgt Ion:	107	Resp:	271579
Ion	Ratio	Lower	Upper
107	100		
108	114.8	92.0	138.0
77	47.5	38.2	57.2
79	47.2	37.9	56.9



#18
Hexachloroethane
Concen: 39.214 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:	117	Resp:	125788
Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
201	103.7	77.2	115.8



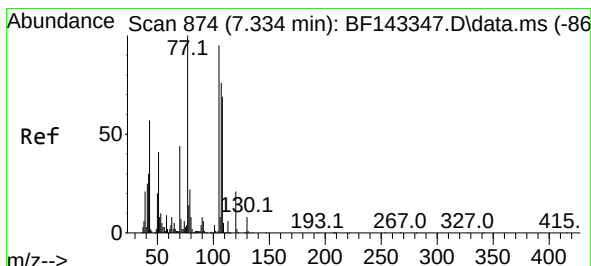
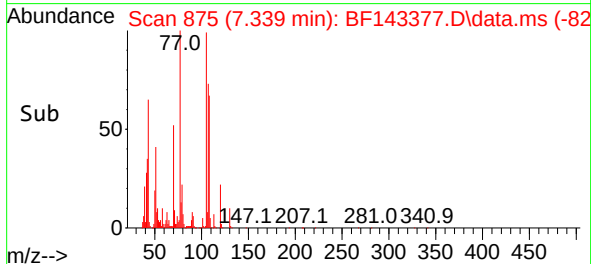
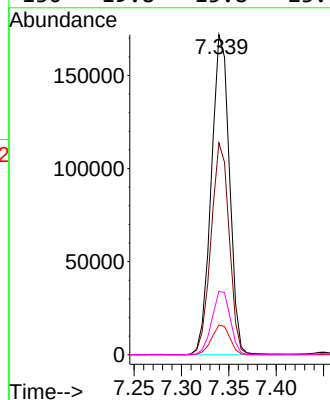
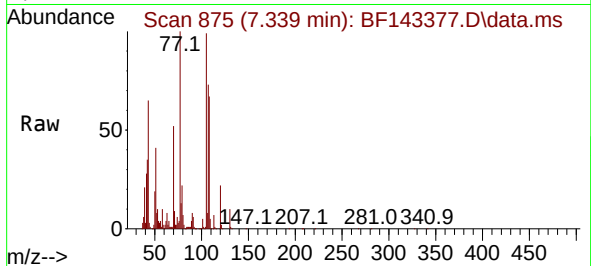


#19
n-Nitroso-di-n-propylamine
Concen: 34.908 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 228789

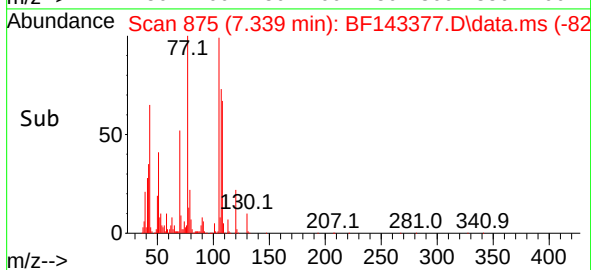
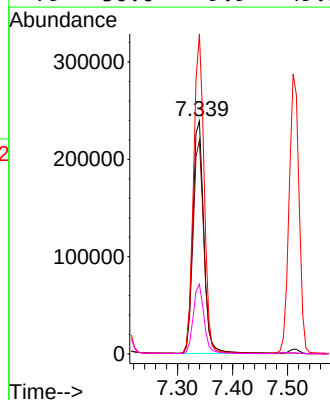
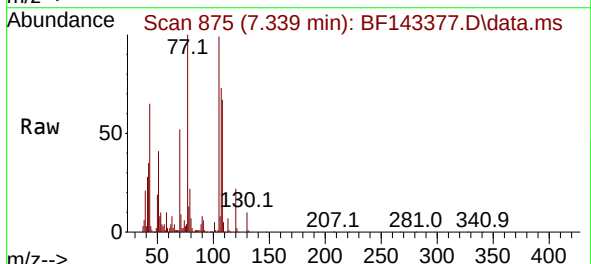
Ion	Ratio	Lower	Upper
70	100		
42	66.2	51.6	77.4
101	9.2	7.5	11.3
130	19.8	15.8	23.6

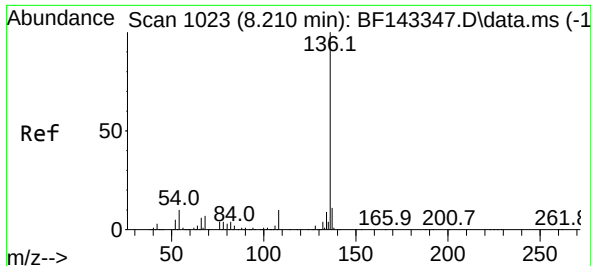


#20
3+4-Methylphenols
Concen: 36.775 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion: 107 Resp: 331798

Ion	Ratio	Lower	Upper
107	100		
108	91.7	70.6	110.6
77	137.4	112.0	152.0
79	30.0	9.9	49.9

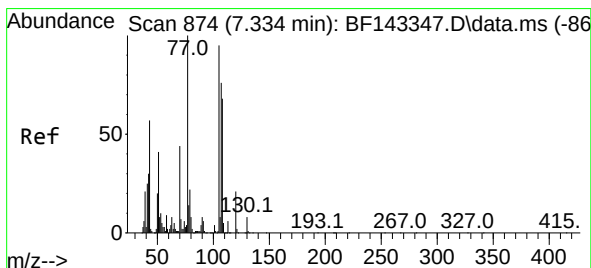
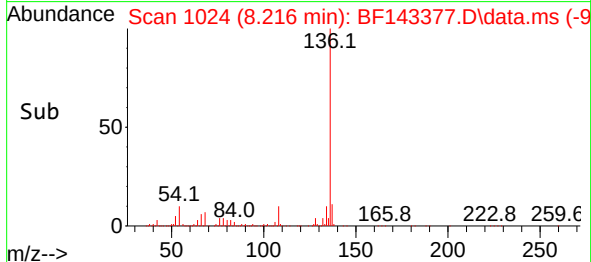
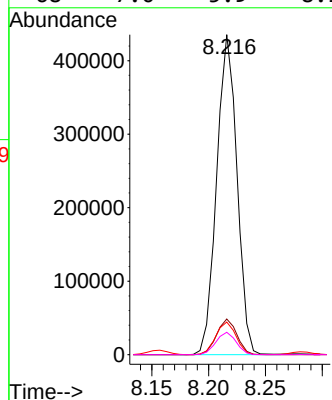
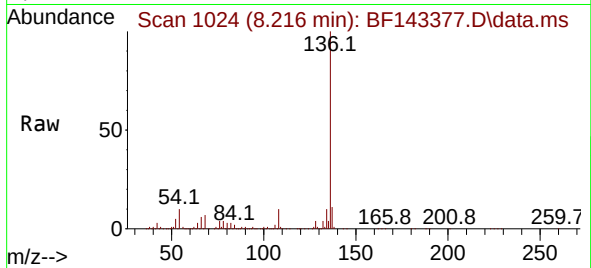




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 10
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

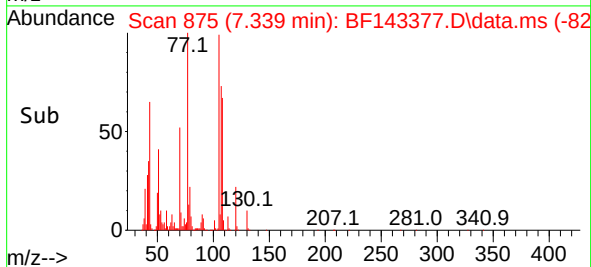
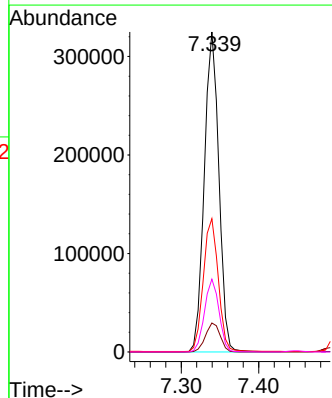
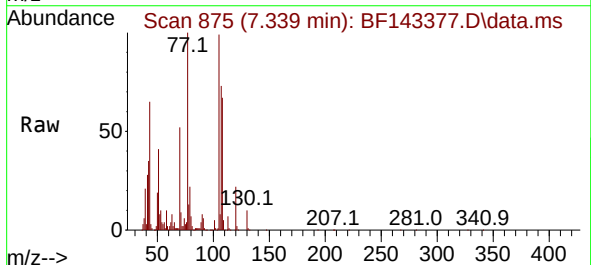
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

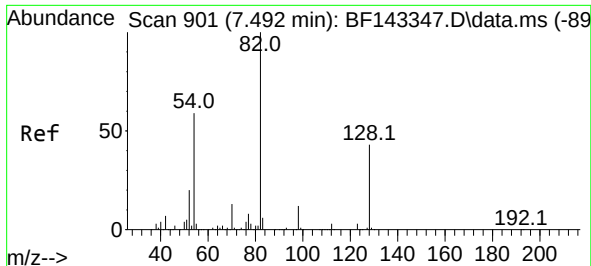
Tgt Ion:136	Resp: 542236
Ion Ratio	Lower Upper
136	100
137	11.1 8.6 13.0
54	10.2 8.4 12.6
68	7.0 5.9 8.9



#22
Acetophenone
Concen: 35.580 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:105	Resp: 425087
Ion Ratio	Lower Upper
105	100
71	9.1 6.2 9.4
51	41.7 34.8 52.2
120	22.7 17.9 26.9





#23

Nitrobenzene-d5

Concen: 79.025 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

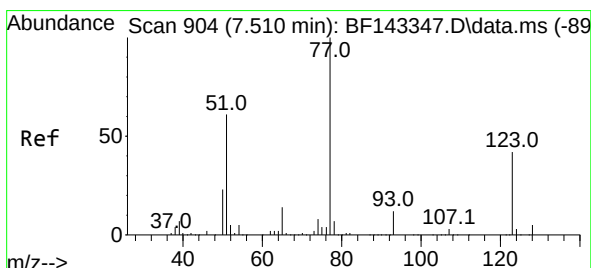
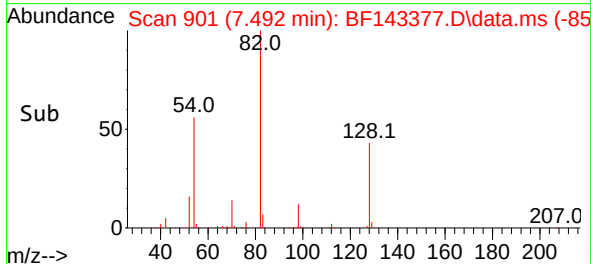
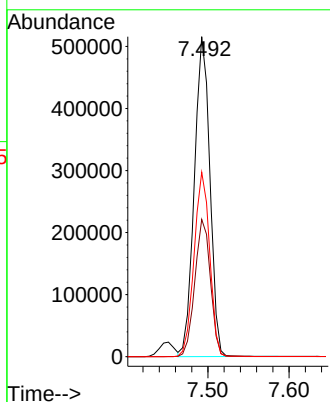
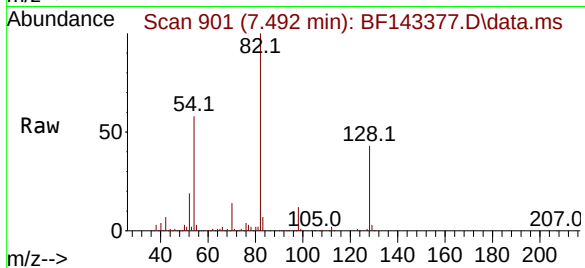
Tgt Ion: 82 Resp: 688096

Ion Ratio Lower Upper

82 100

128 42.9 33.5 50.3

54 57.6 46.7 70.1



#24

Nitrobenzene

Concen: 38.049 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

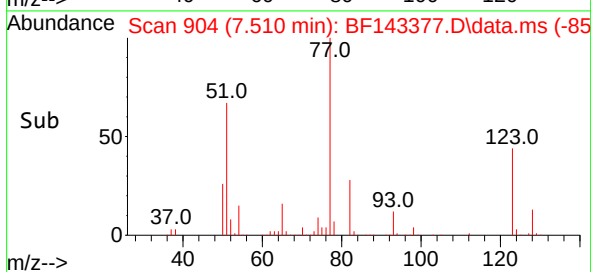
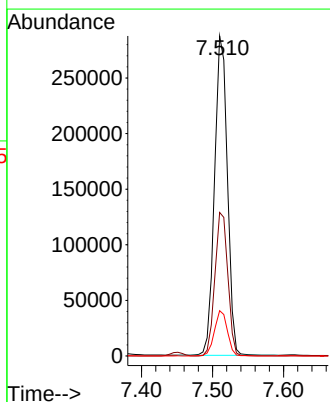
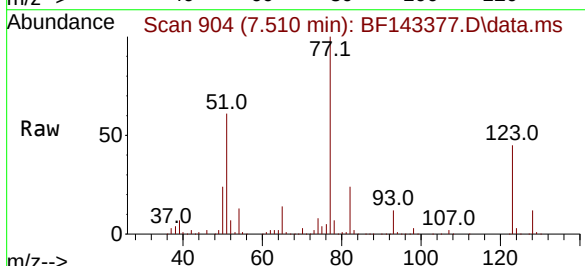
Tgt Ion: 77 Resp: 359814

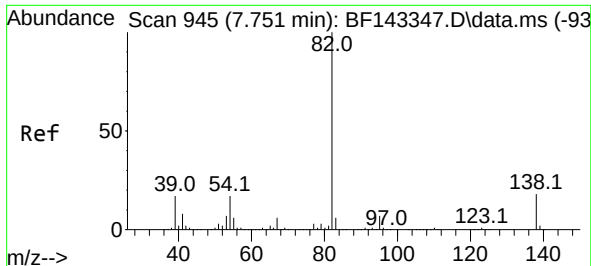
Ion Ratio Lower Upper

77 100

123 44.8 34.8 52.2

65 14.2 11.0 16.6

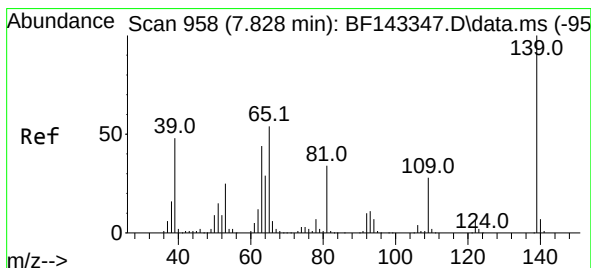
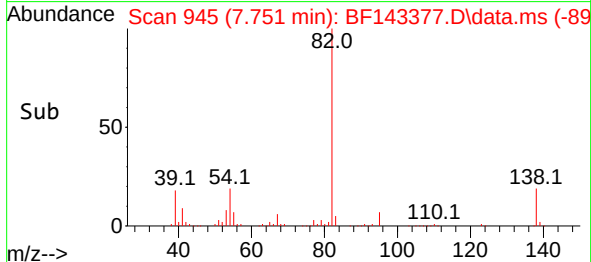
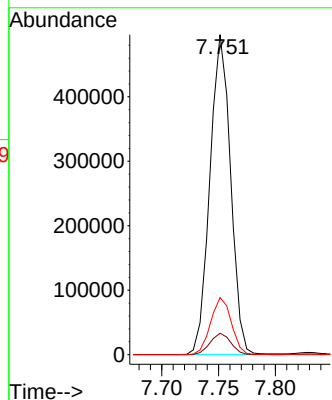
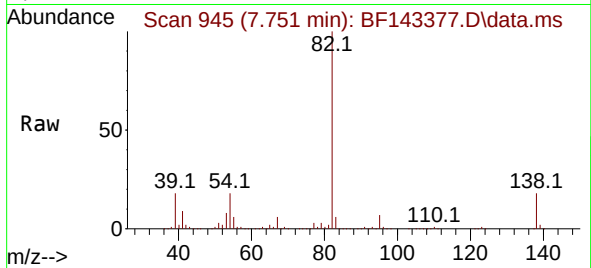




#25
Isophorone
Concen: 35.357 ng
RT: 7.751 min Scan# 945
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

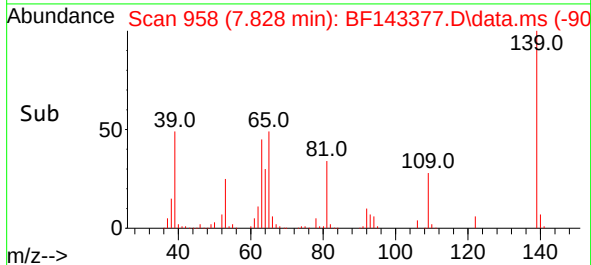
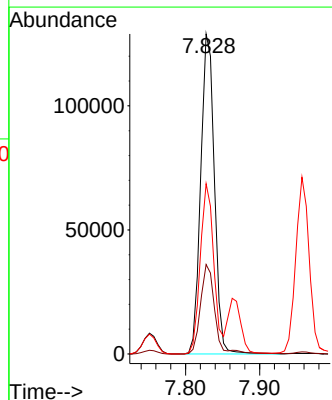
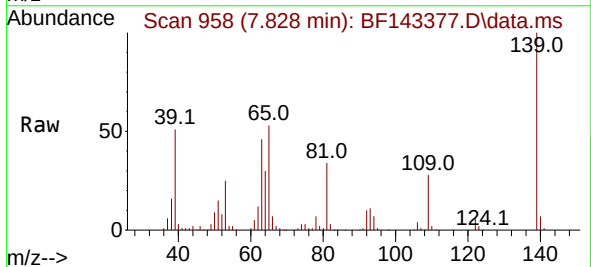
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

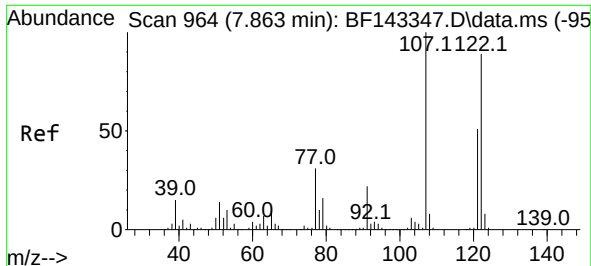
Tgt Ion: 82 Resp: 628488
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.9 14.6 21.8



#26
2-Nitrophenol
Concen: 44.009 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:139 Resp: 165535
Ion Ratio Lower Upper
139 100
109 28.0 22.4 33.6
65 53.2 42.9 64.3

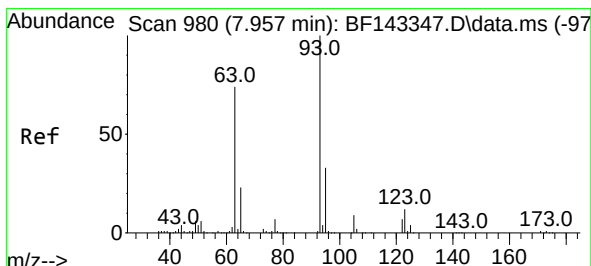
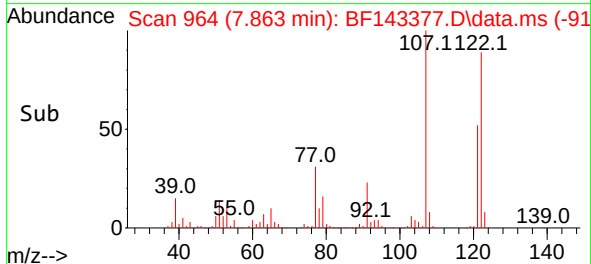
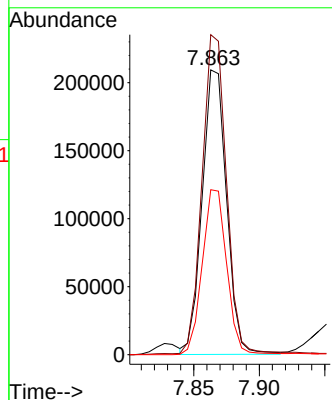
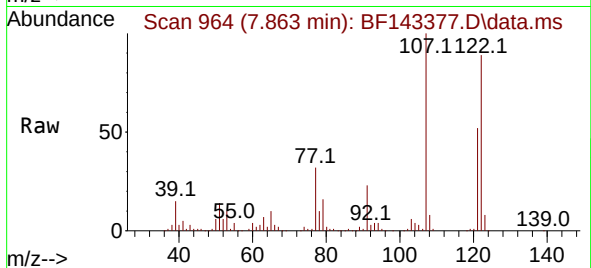




#27
2,4-Dimethylphenol
Concen: 36.632 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

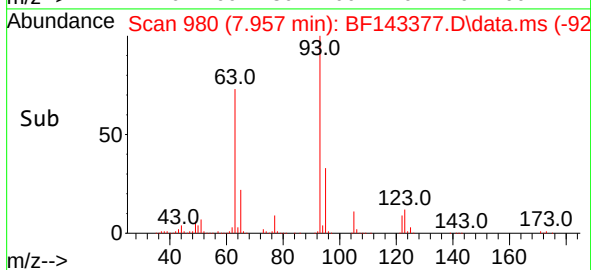
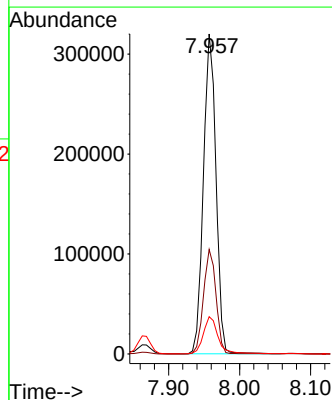
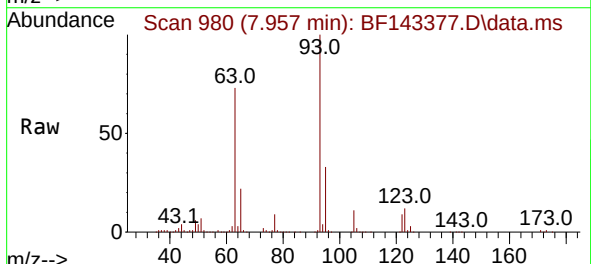
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

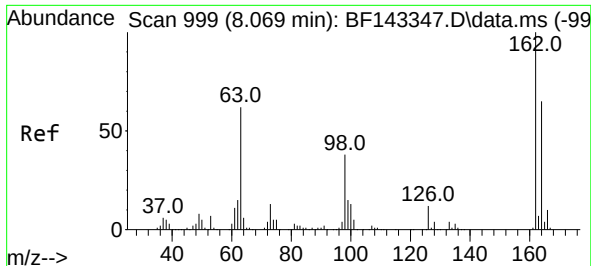
Tgt Ion:	122	Resp:	271658
Ion	Ratio	Lower	Upper
122	100		
107	112.3	89.9	134.9
121	57.9	46.2	69.4



#28
bis(2-Chloroethoxy)methane
Concen: 36.418 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:	93	Resp:	395236
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.4
123	11.6	9.4	14.2





#29

2,4-Dichlorophenol

Concen: 38.736 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

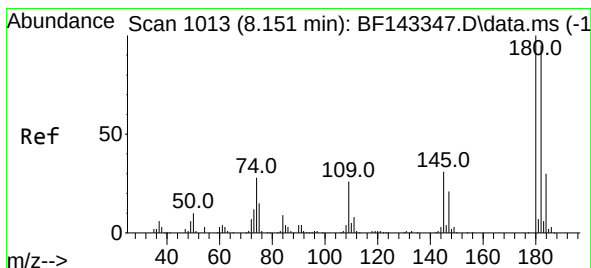
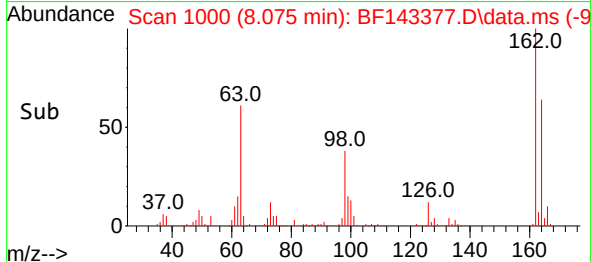
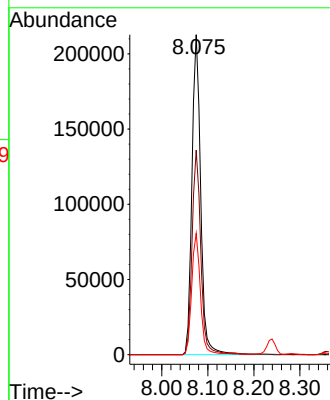
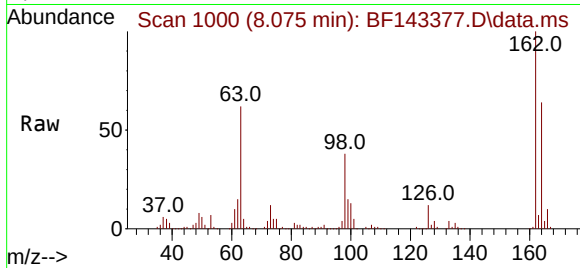
Tgt Ion:162 Resp: 280574

Ion Ratio Lower Upper

162 100

164 63.9 44.5 84.5

98 37.9 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 37.448 ng

RT: 8.157 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

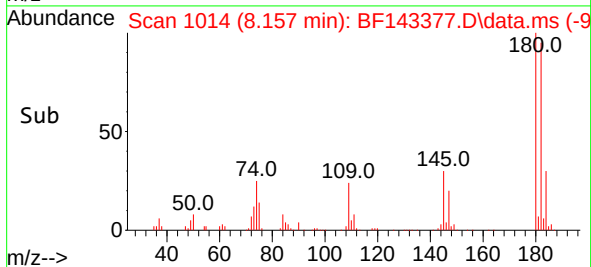
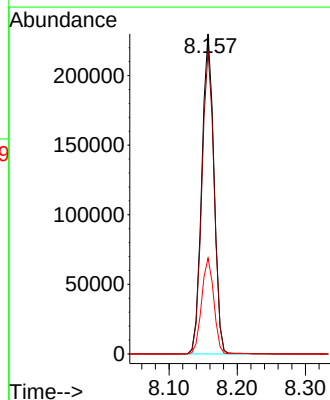
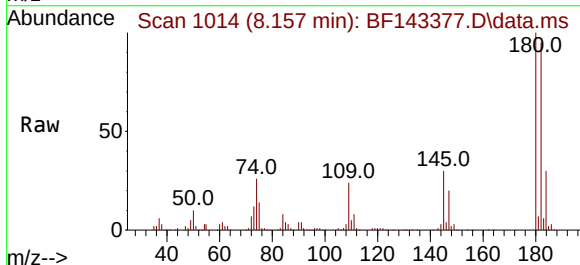
Tgt Ion:180 Resp: 286115

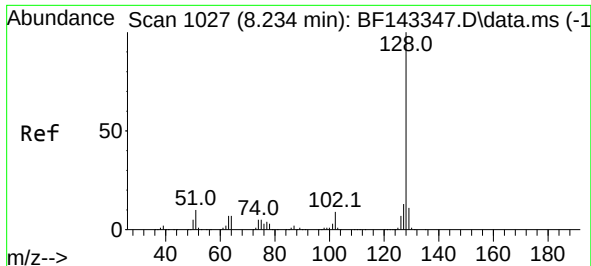
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 30.0 24.9 37.3

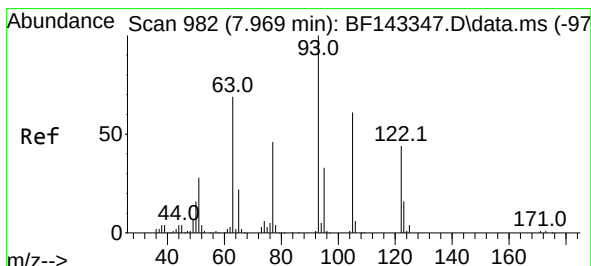
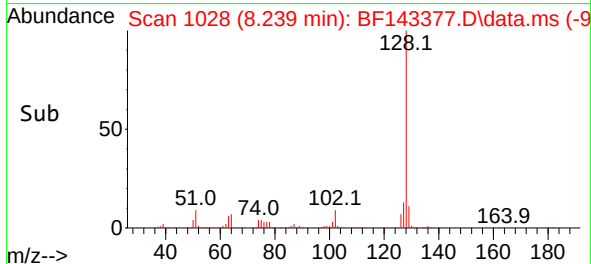
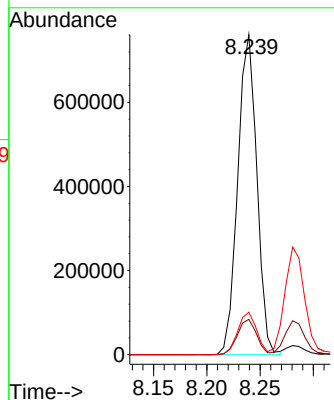
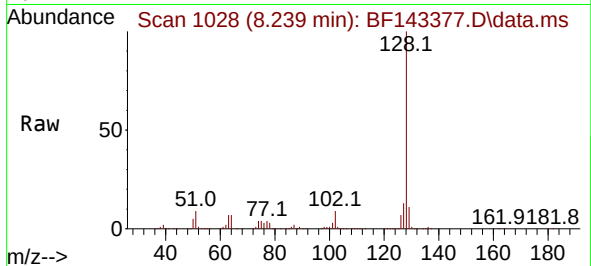




#31
Naphthalene
Concen: 36.447 ng
RT: 8.239 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

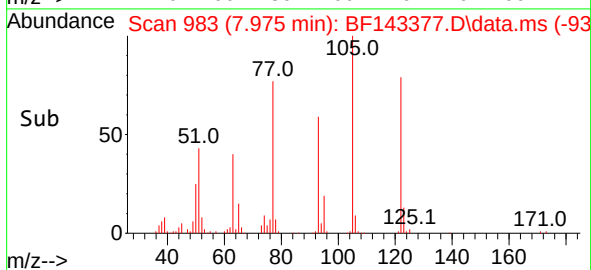
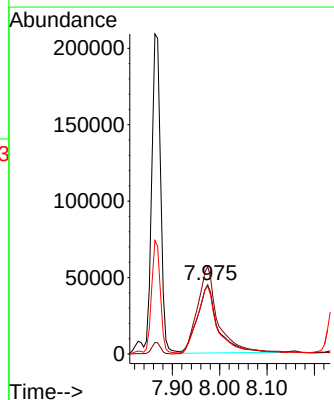
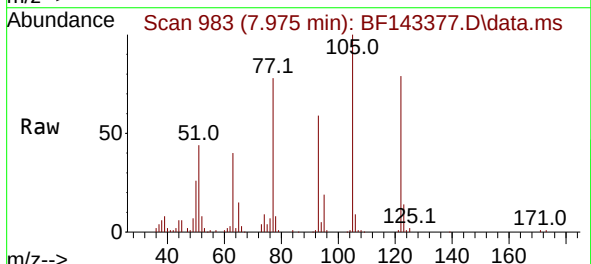
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

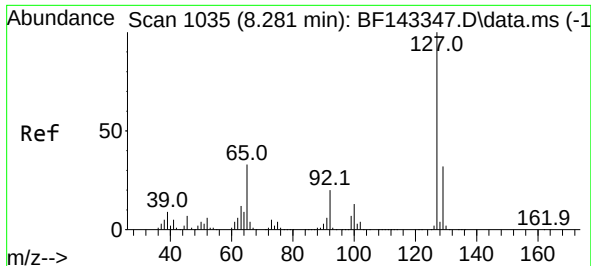
Tgt Ion:128 Resp: 950950
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.3 10.7 16.1



#32
Benzoic acid
Concen: 43.135 ng
RT: 7.975 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:122 Resp: 133895
Ion Ratio Lower Upper
122 100
105 126.6 106.4 146.4
77 98.2 79.2 119.2

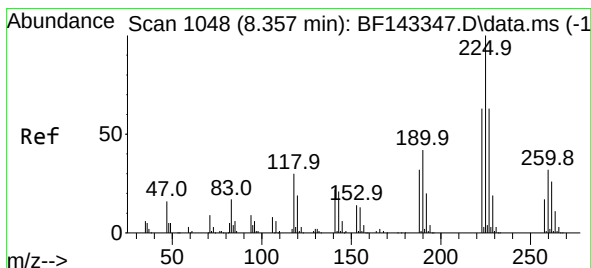
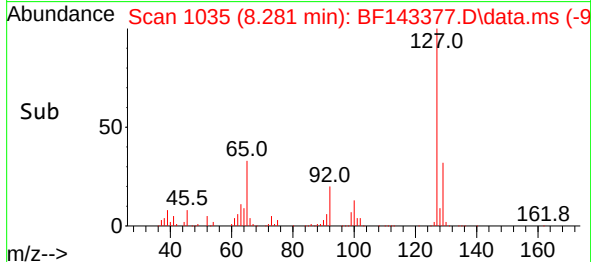
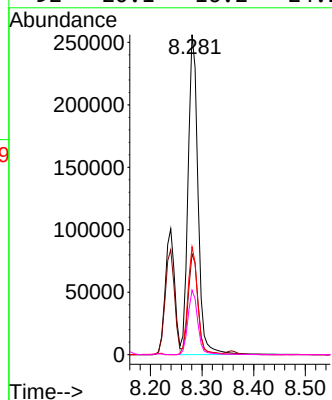
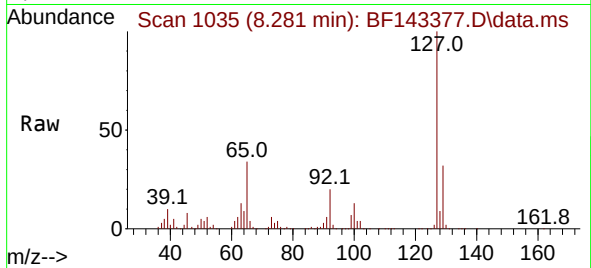




#33
4-Chloroaniline
Concen: 36.287 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

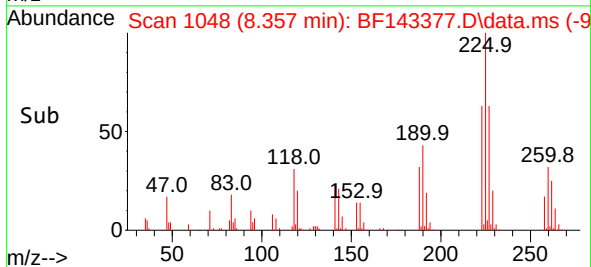
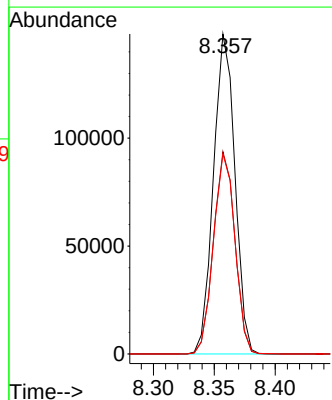
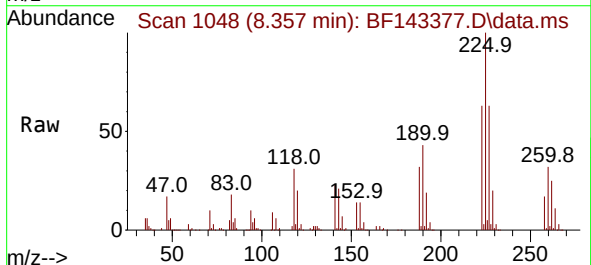
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

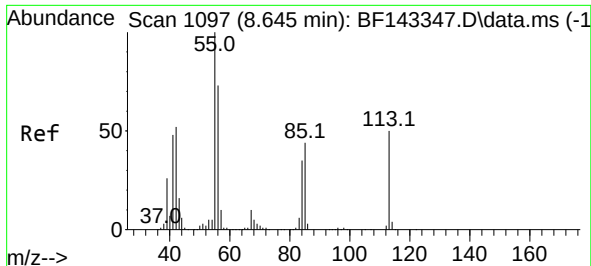
Tgt Ion:127	Resp: 341490
Ion Ratio	Lower Upper
127	100
129	31.5 26.0 39.0
65	33.7 27.0 40.4
92	20.1 16.2 24.2



#34
Hexachlorobutadiene
Concen: 38.164 ng
RT: 8.357 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:225	Resp: 181385
Ion Ratio	Lower Upper
225	100
223	63.2 50.1 75.1
227	62.5 50.6 75.8

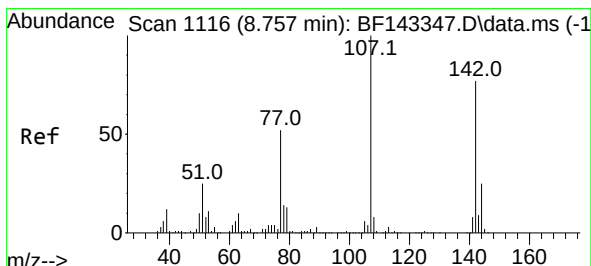
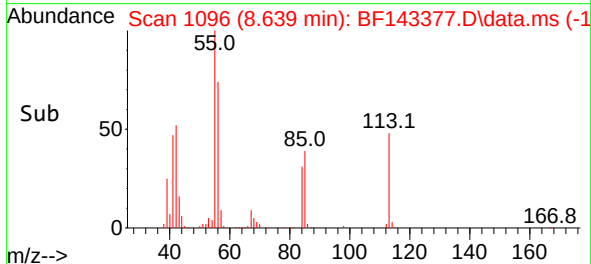
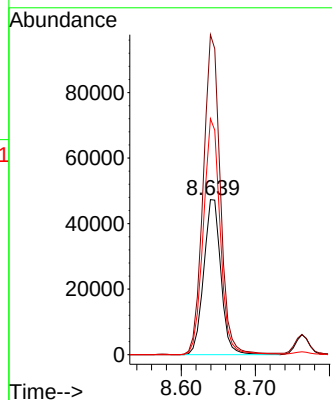
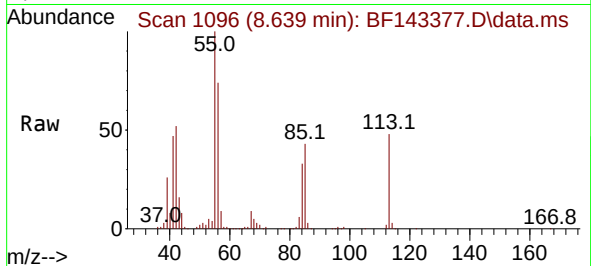




#35
 Caprolactam
 Concen: 37.353 ng
 RT: 8.639 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: BF143377.D
 Acq: 14 Aug 2025 12:55

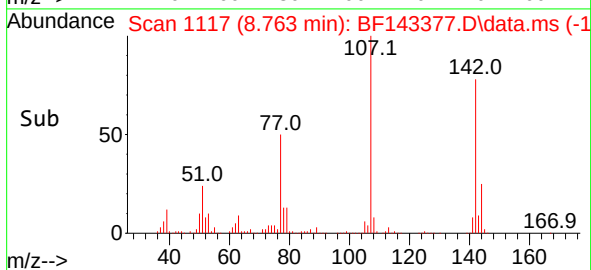
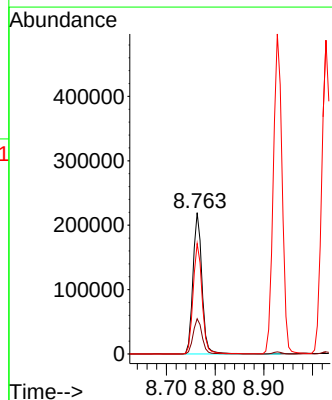
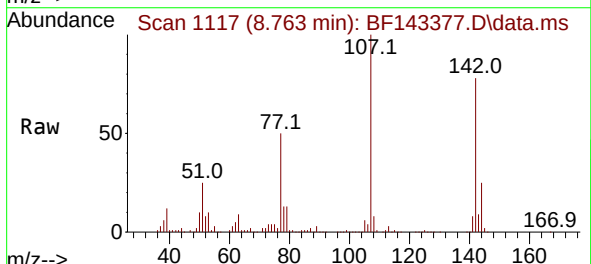
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

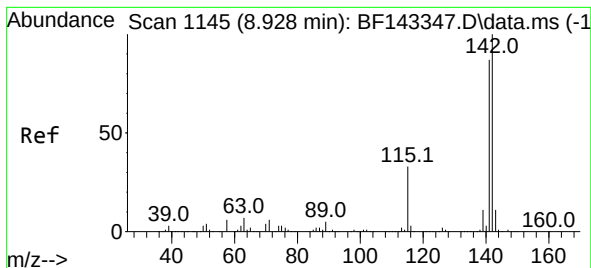
Tgt Ion:113 Resp: 76059
 Ion Ratio Lower Upper
 113 100
 55 206.4 181.4 221.4
 56 152.2 127.3 167.3



#36
 4-Chloro-3-methylphenol
 Concen: 37.191 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. 0.006 min
 Lab File: BF143377.D
 Acq: 14 Aug 2025 12:55

Tgt Ion:107 Resp: 282403
 Ion Ratio Lower Upper
 107 100
 144 25.0 20.0 30.0
 142 78.2 61.3 91.9

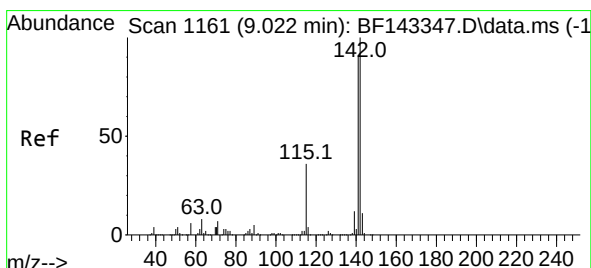
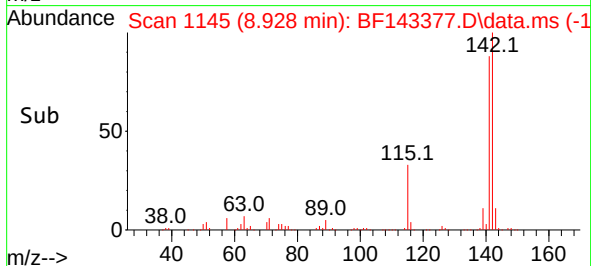
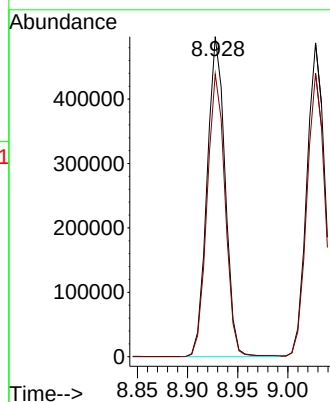
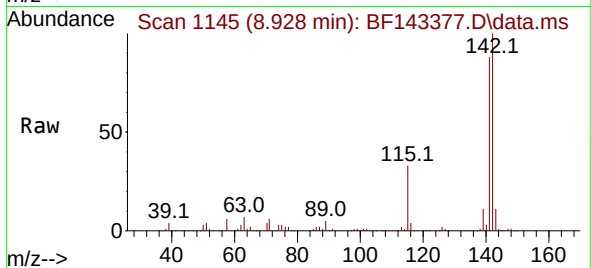




#37
2-Methylnaphthalene
Concen: 36.276 ng
RT: 8.928 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

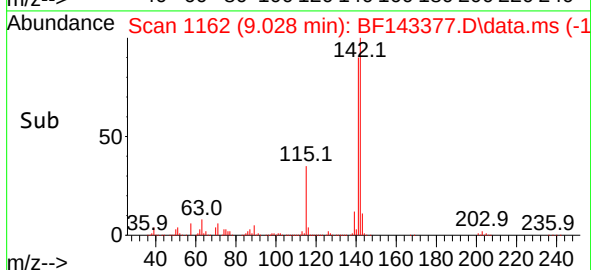
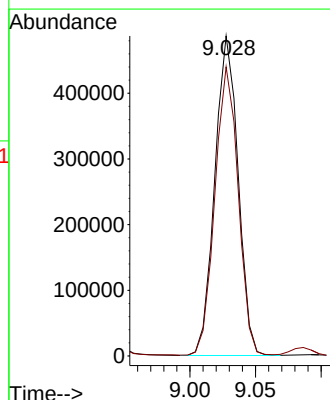
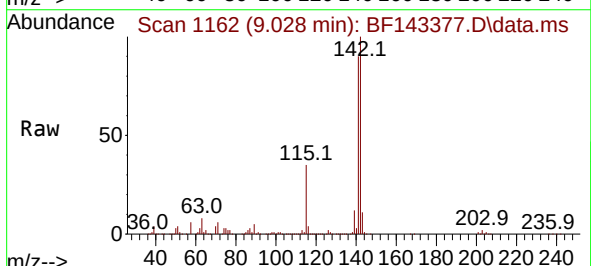
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

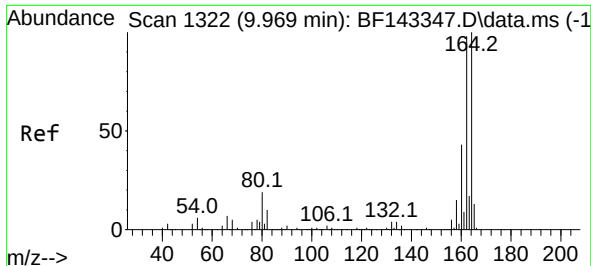
Tgt Ion:142 Resp: 622239
Ion Ratio Lower Upper
142 100
141 88.3 69.8 104.8



#38
1-Methylnaphthalene
Concen: 36.308 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:142 Resp: 599818
Ion Ratio Lower Upper
142 100
141 90.4 73.0 109.4

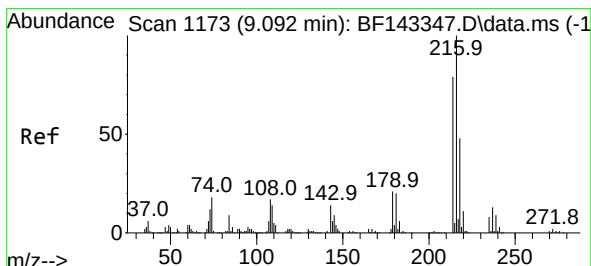
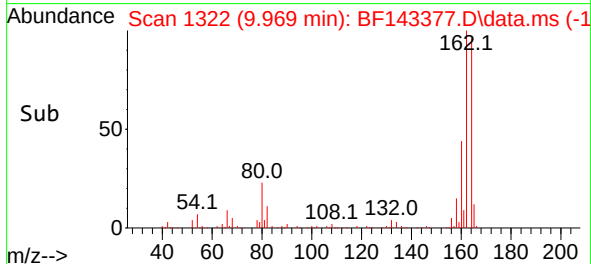
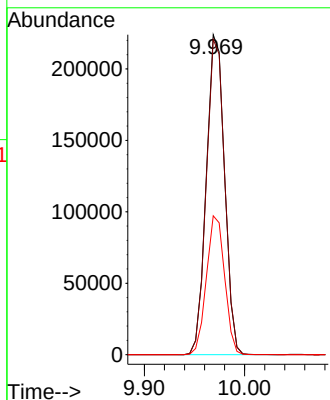
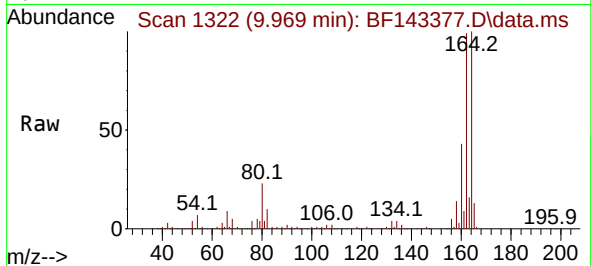




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

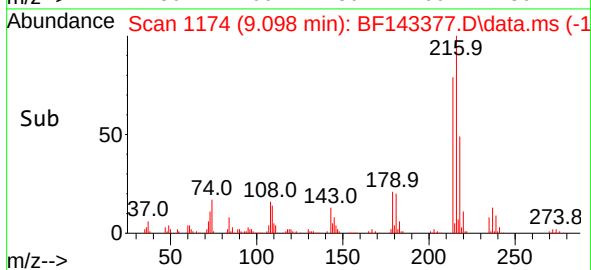
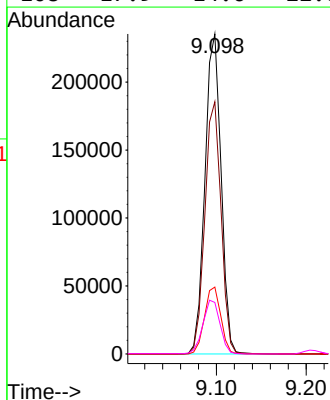
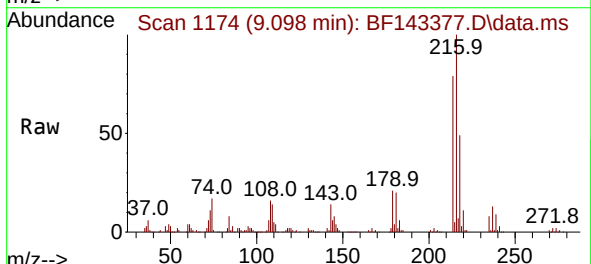
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

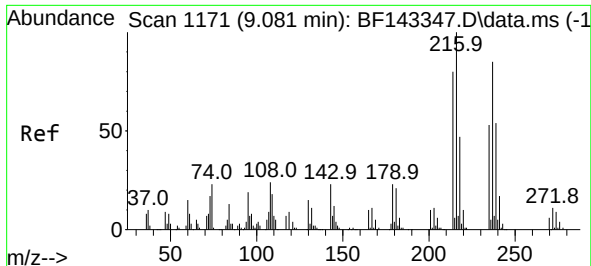
Tgt Ion:164 Resp: 283411
Ion Ratio Lower Upper
164 100
162 98.5 78.6 118.0
160 43.4 34.4 51.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.871 ng
RT: 9.098 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:216 Resp: 293706
Ion Ratio Lower Upper
216 100
214 79.2 63.0 94.4
179 21.1 17.0 25.4
108 17.9 14.6 22.0

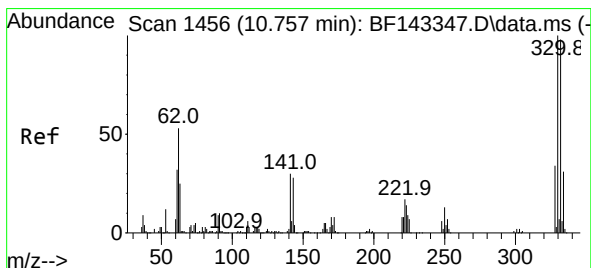
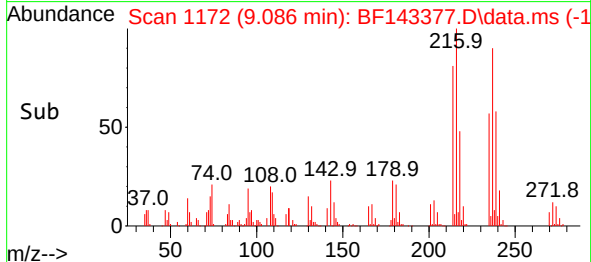
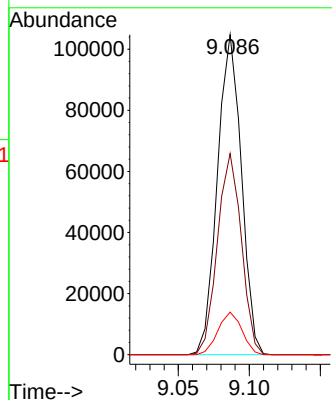
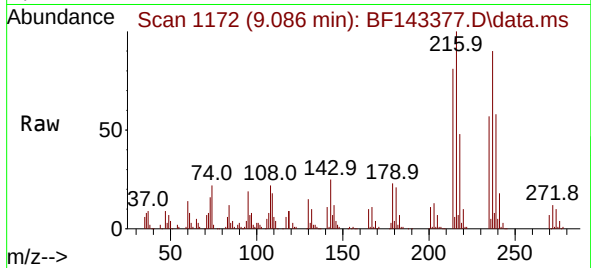




#41
Hexachlorocyclopentadiene
Concen: 47.813 ng
RT: 9.086 min Scan# 1171
Delta R.T. 0.005 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

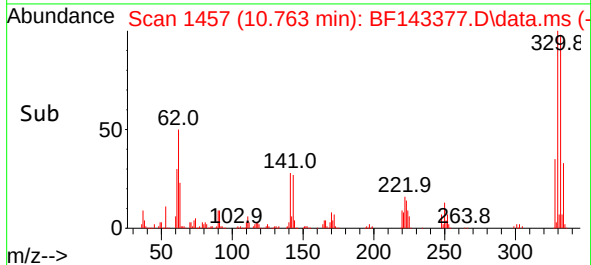
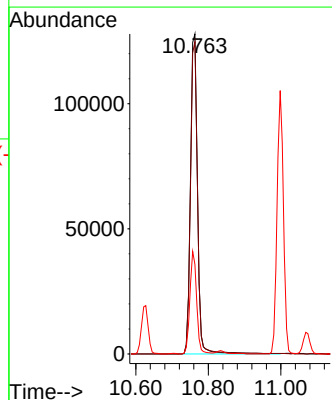
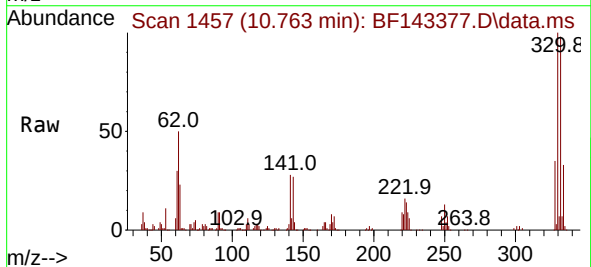
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

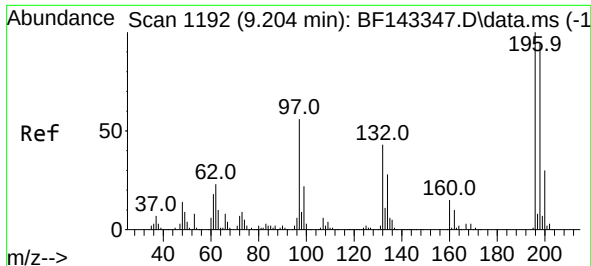
Tgt Ion:237	Resp: 122851
Ion Ratio	Lower Upper
237 100	
235 62.8	42.0 82.0
272 13.3	0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 83.174 ng
RT: 10.763 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt	Ion:330	Resp:	172272
Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.1	117.1
141	30.7	25.4	38.0





#43

2,4,6-Trichlorophenol

Concen: 40.834 ng

RT: 9.210 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

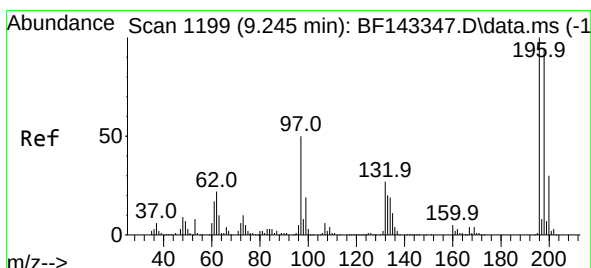
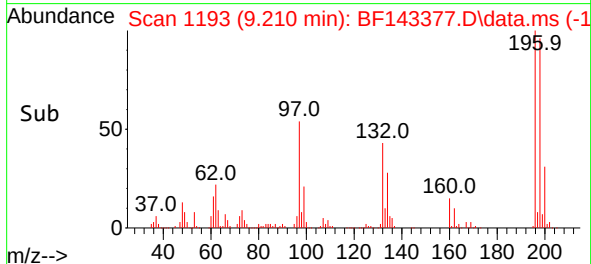
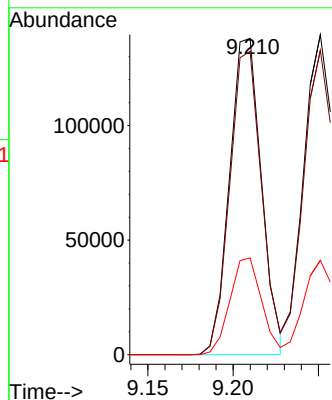
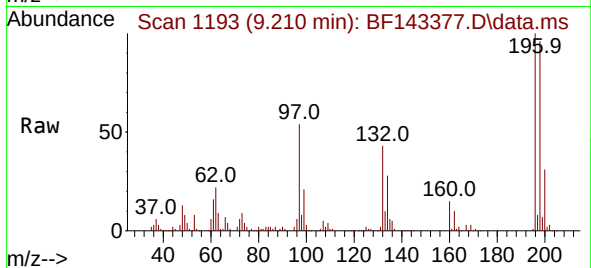
Tgt Ion:196 Resp: 179680

Ion Ratio Lower Upper

196 100

198 95.9 75.4 113.0

200 30.6 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 39.301 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Tgt Ion:196 Resp: 195288

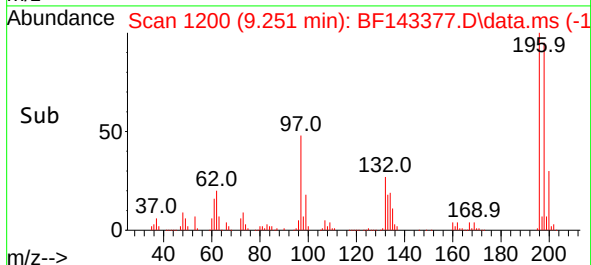
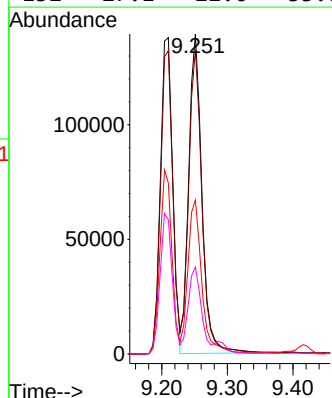
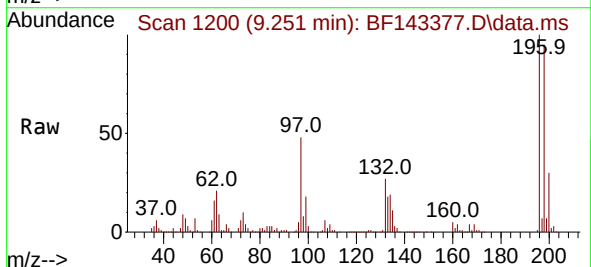
Ion Ratio Lower Upper

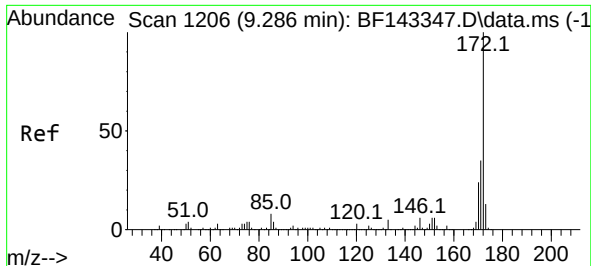
196 100

198 95.1 75.4 113.2

97 48.1 39.9 59.9

132 27.1 22.6 33.8

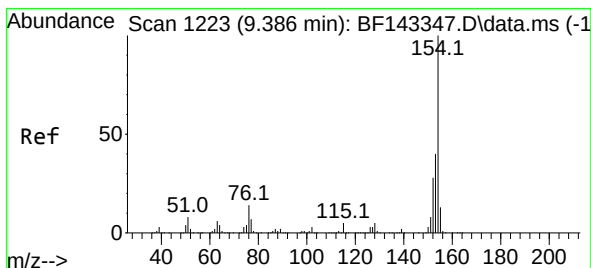
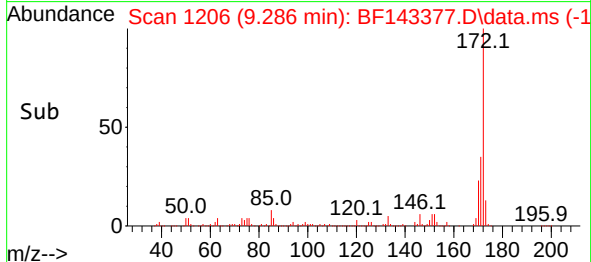
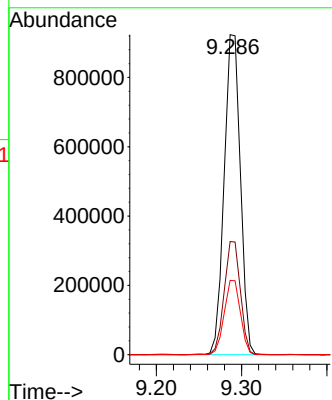
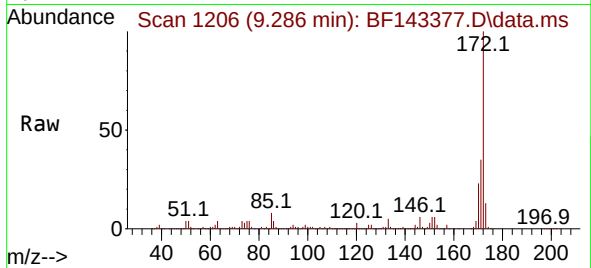




#45
2-Fluorobiphenyl
Concen: 73.114 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

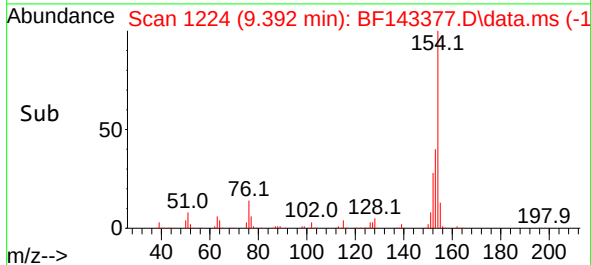
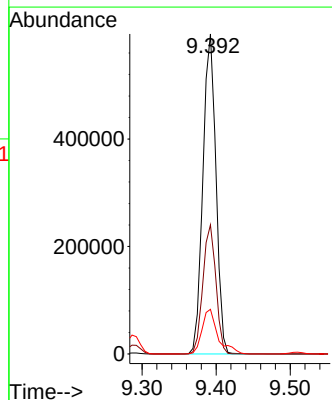
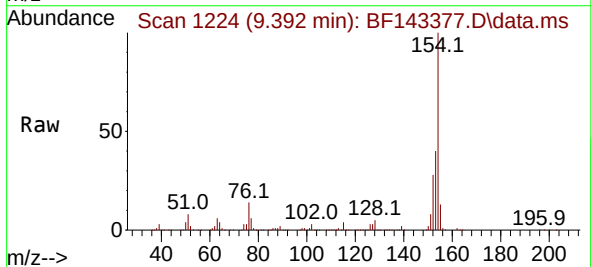
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

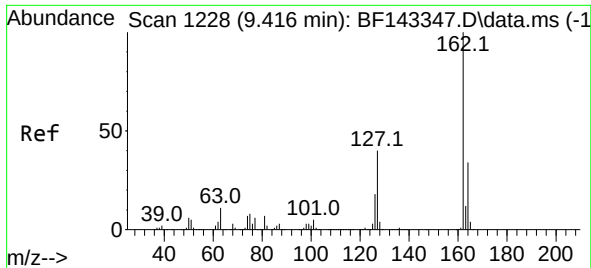
Tgt Ion:172 Resp: 1221958
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.2 19.1 28.7



#46
1,1'-Biphenyl
Concen: 36.312 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:154 Resp: 727640
Ion Ratio Lower Upper
154 100
153 40.4 20.2 60.2
76 13.9 0.0 34.4

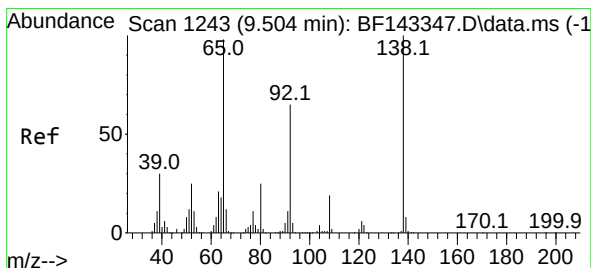
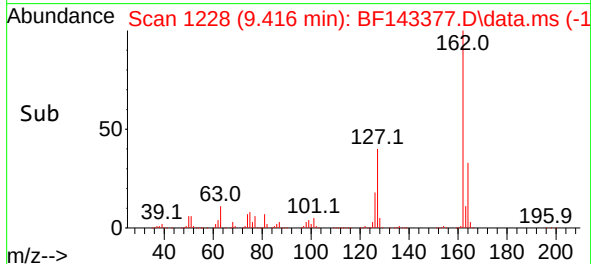
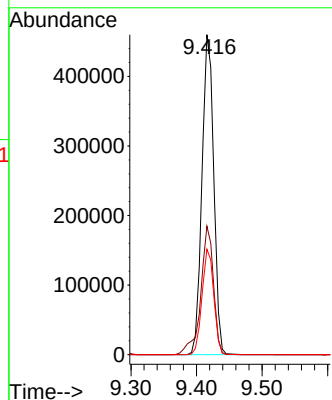
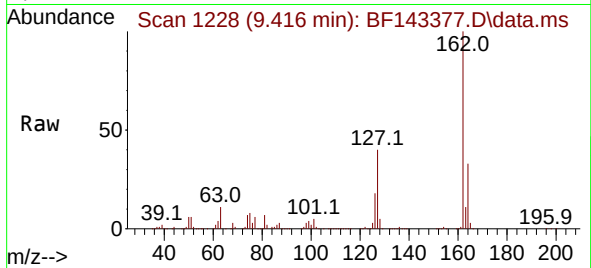




#47
2-Chloronaphthalene
Concen: 36.485 ng
RT: 9.416 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

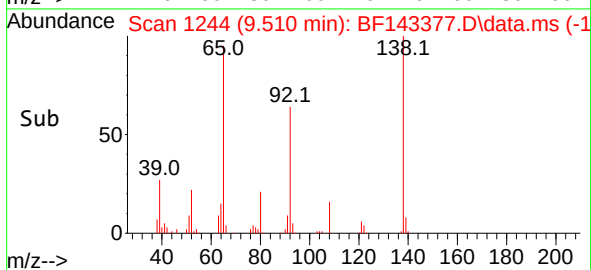
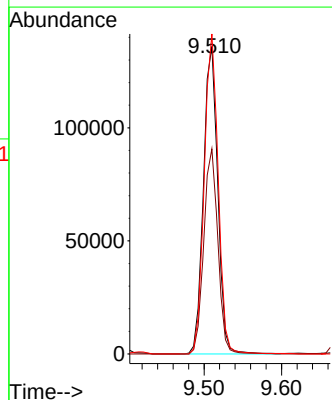
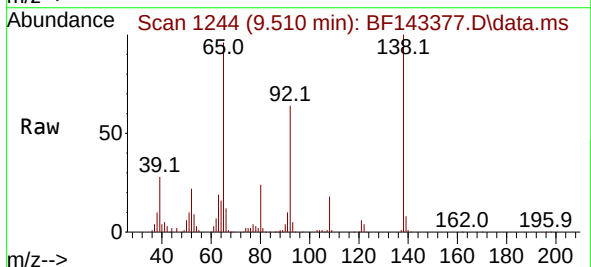
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

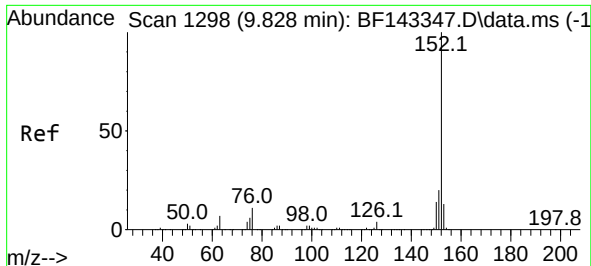
Tgt Ion:162 Resp: 575800
Ion Ratio Lower Upper
162 100
127 40.1 32.1 48.1
164 32.9 27.0 40.4



#48
2-Nitroaniline
Concen: 38.835 ng
RT: 9.510 min Scan# 1244
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion: 65 Resp: 174216
Ion Ratio Lower Upper
65 100
92 66.7 53.1 79.7
138 104.0 81.4 122.0

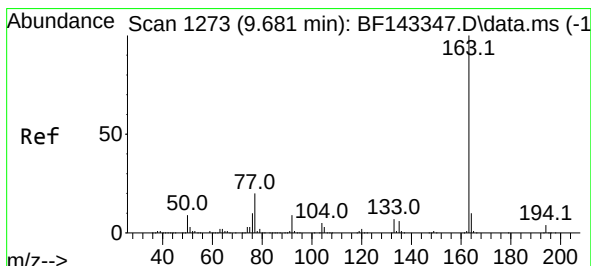
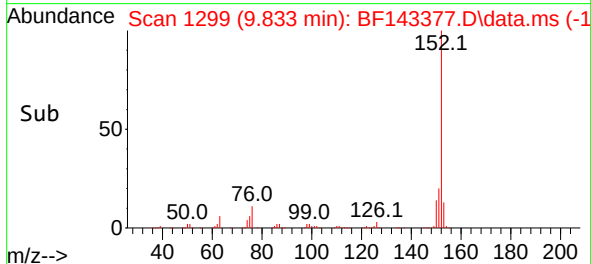
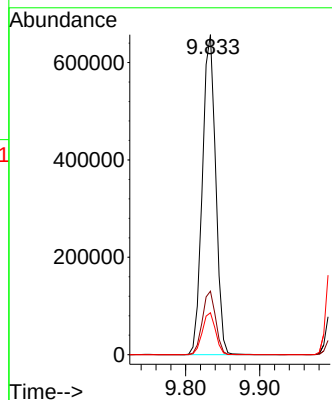
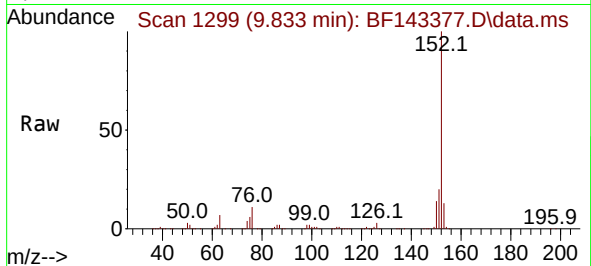




#49
Acenaphthylene
Concen: 36.100 ng
RT: 9.833 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

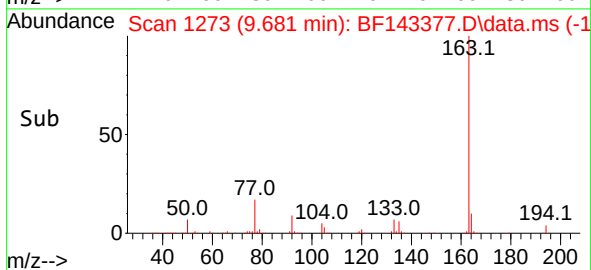
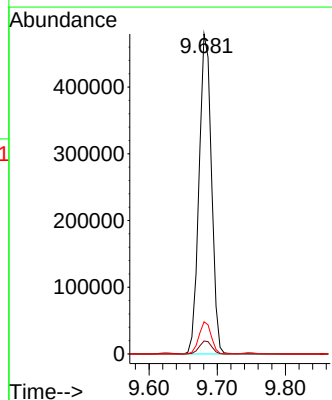
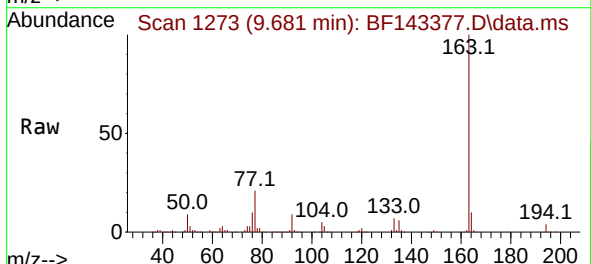
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

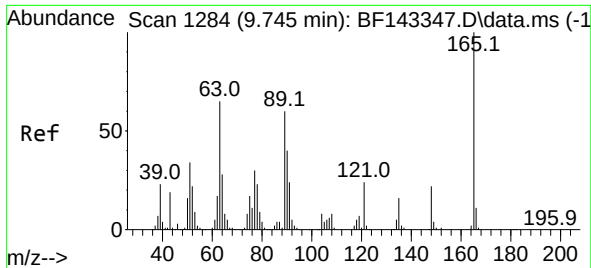
Tgt Ion:152 Resp: 822757
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.1 10.6 16.0



#50
Dimethylphthalate
Concen: 36.590 ng
RT: 9.681 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:163 Resp: 605945
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 8.2 12.2

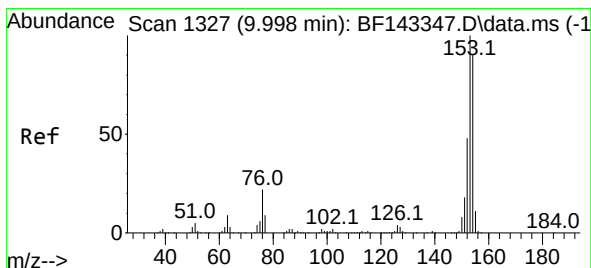
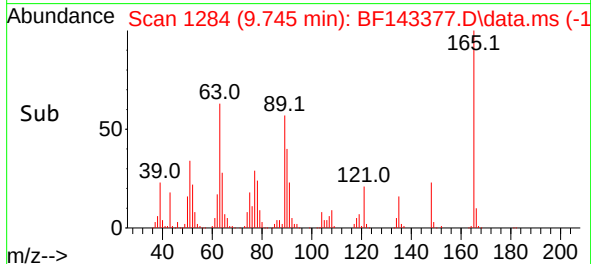
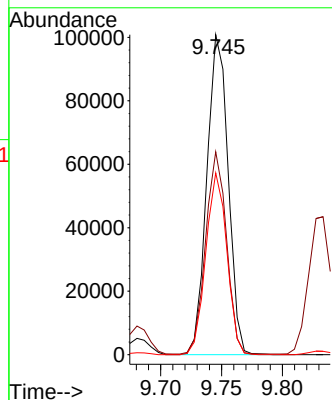
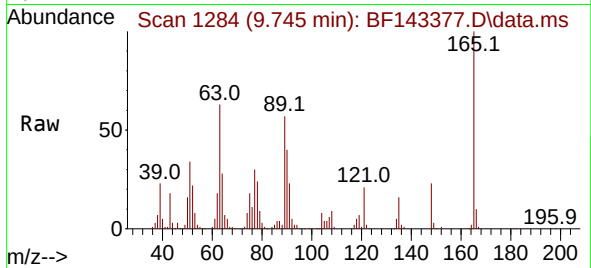




#51
2,6-Dinitrotoluene
Concen: 39.683 ng
RT: 9.745 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

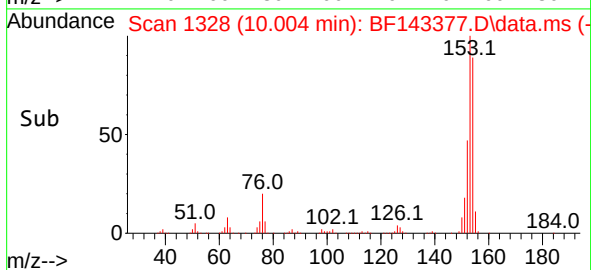
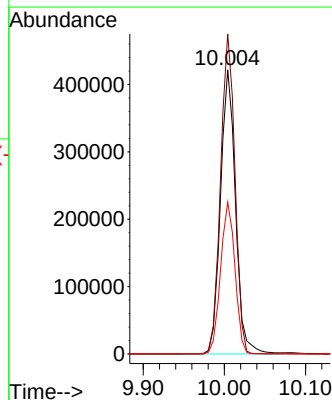
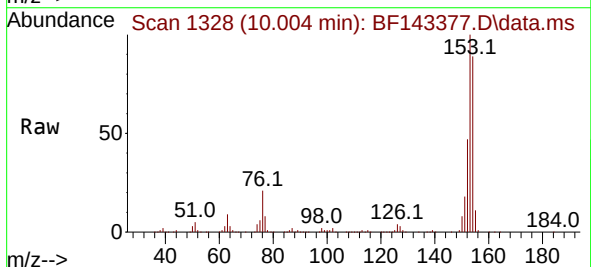
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

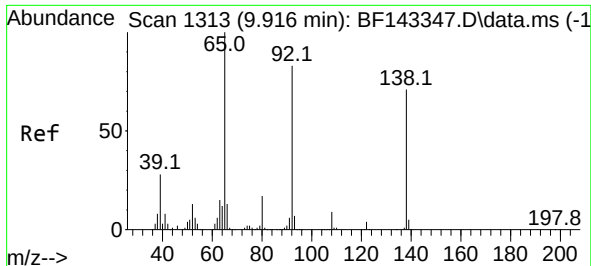
Tgt Ion:165 Resp: 122638
Ion Ratio Lower Upper
165 100
63 63.4 51.6 77.4
89 56.8 47.7 71.5



#52
Acenaphthene
Concen: 35.890 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:154 Resp: 543801
Ion Ratio Lower Upper
154 100
153 112.6 88.5 132.7
152 53.4 42.4 63.6

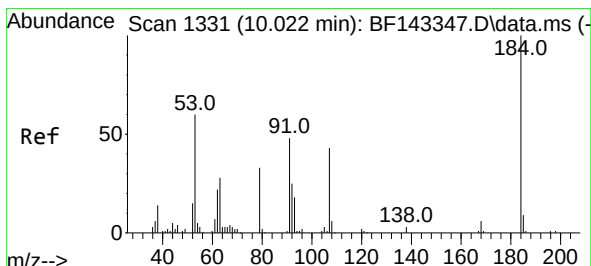
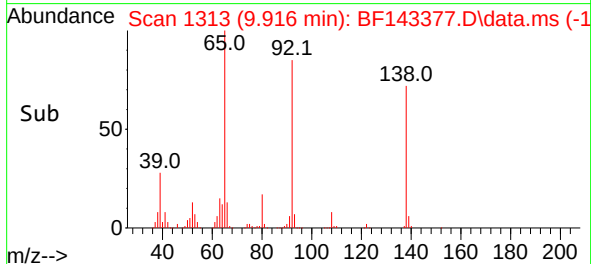
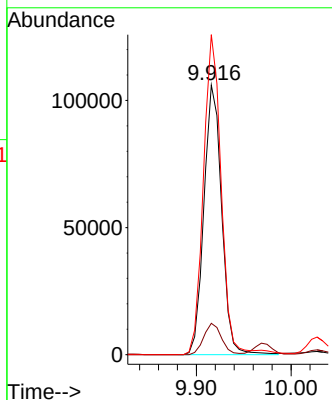
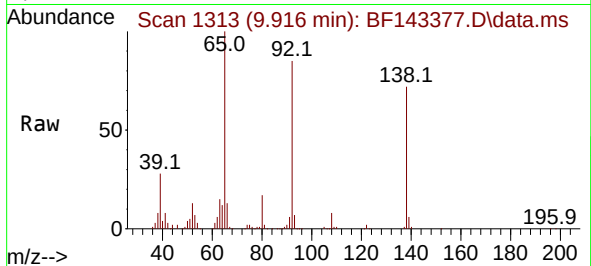




#53
3-Nitroaniline
Concen: 40.760 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

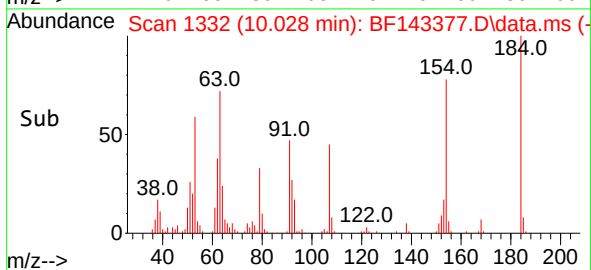
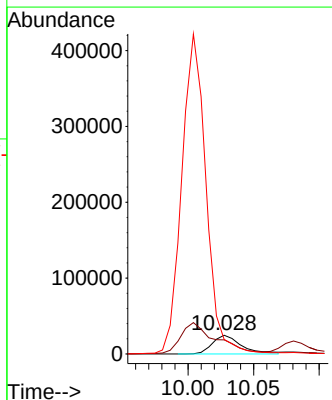
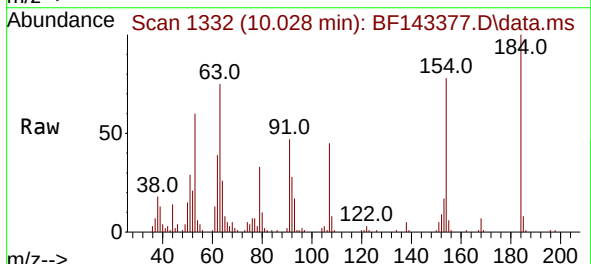
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

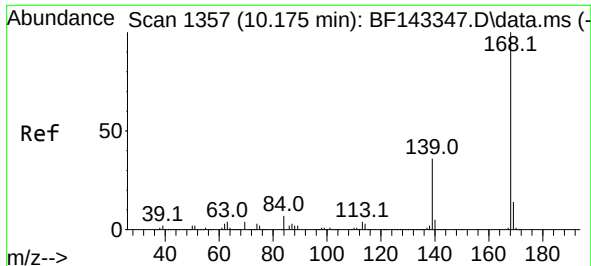
Tgt Ion:138 Resp: 138234
Ion Ratio Lower Upper
138 100
108 11.7 9.6 14.4
92 118.7 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 39.881 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:184 Resp: 37998
Ion Ratio Lower Upper
184 100
63 74.5 62.5 93.7
154 77.7 73.0 109.4

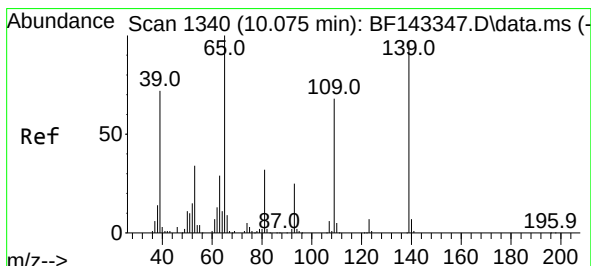
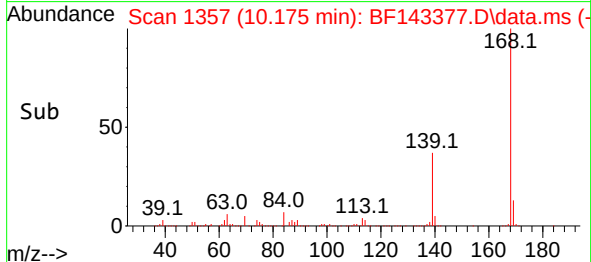
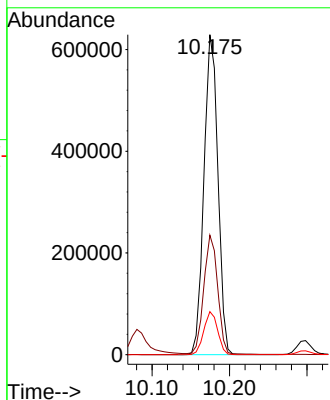
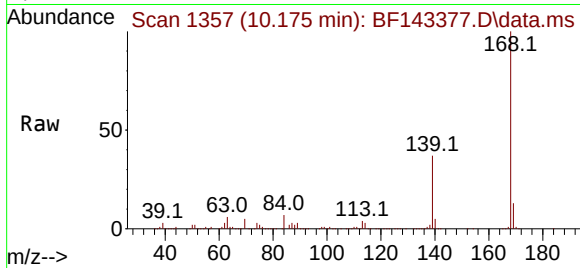




#55
Dibenzofuran
Concen: 36.113 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

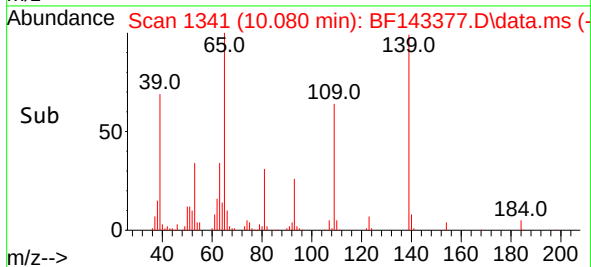
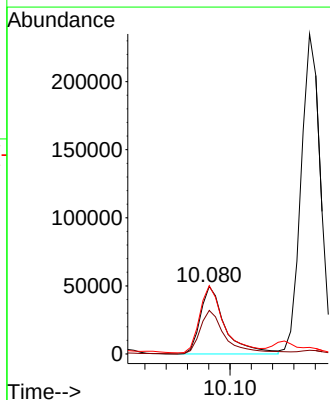
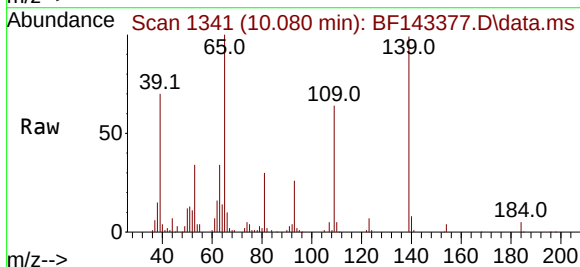
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

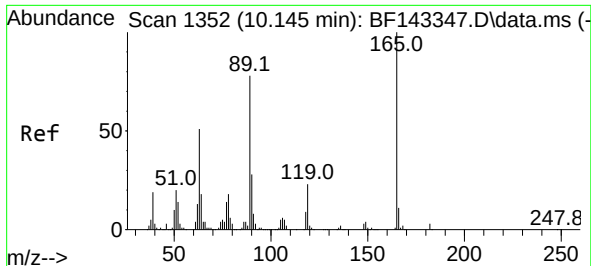
Tgt Ion:	168	Resp:	787502
Ion Ratio	Lower	Upper	
168	100		
139	37.4	29.4	44.0
169	13.5	11.0	16.6



#56
4-Nitrophenol
Concen: 33.008 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:	139	Resp:	80105
Ion Ratio	Lower	Upper	
139	100		
109	64.4	49.4	89.4
65	101.1	83.7	123.7

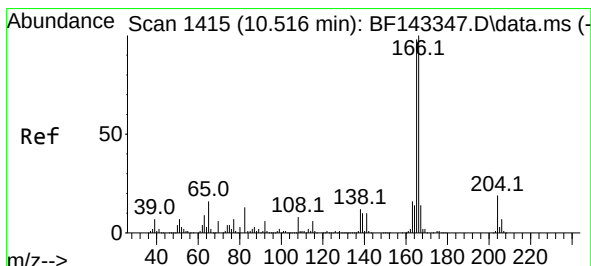
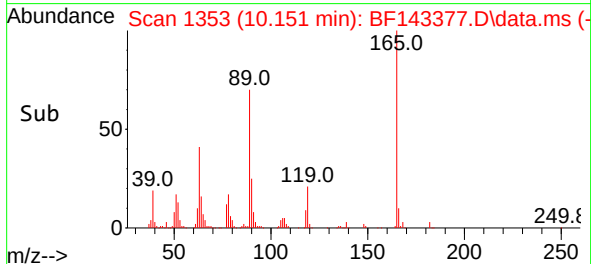
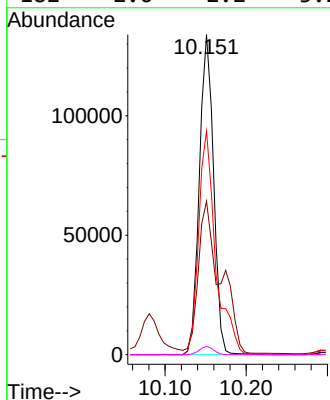
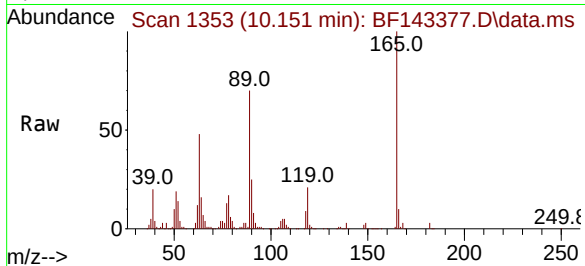




#57
2,4-Dinitrotoluene
Concen: 39.758 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

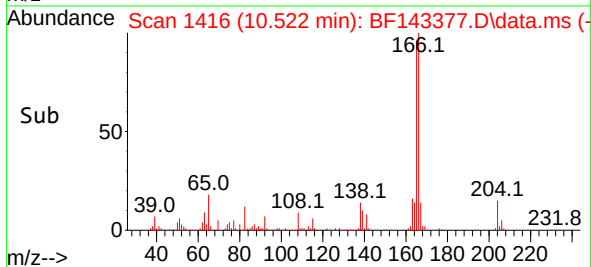
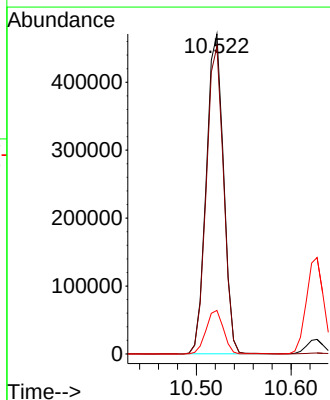
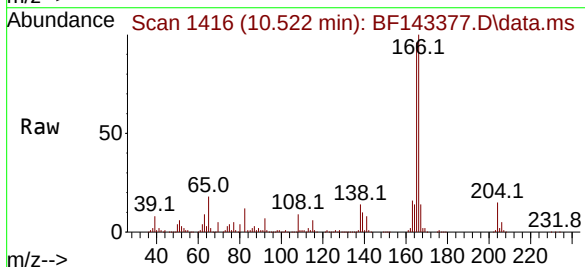
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

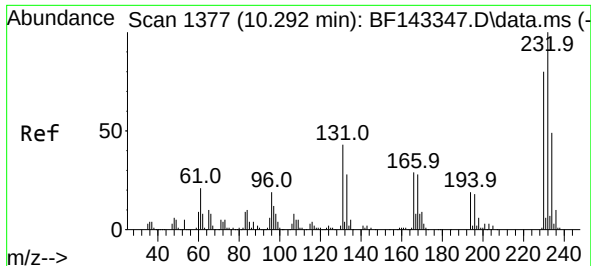
Tgt Ion:165 Resp: 163031
Ion Ratio Lower Upper
165 100
63 48.0 41.8 62.8
89 69.9 62.4 93.6
182 2.6 2.2 3.2



#58
Fluorene
Concen: 35.641 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:166 Resp: 593649
Ion Ratio Lower Upper
166 100
165 96.1 78.2 117.4
167 13.6 10.9 16.3

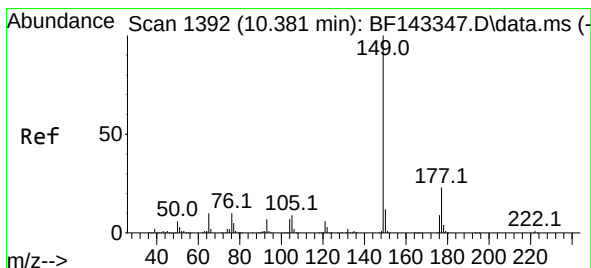
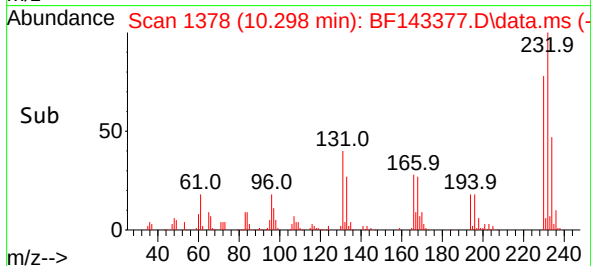
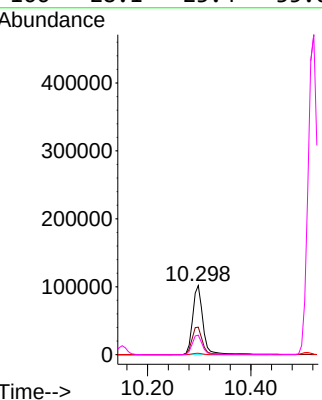
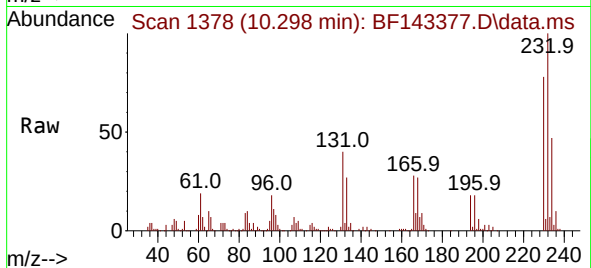




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.309 ng
RT: 10.298 min Scan# 1377
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

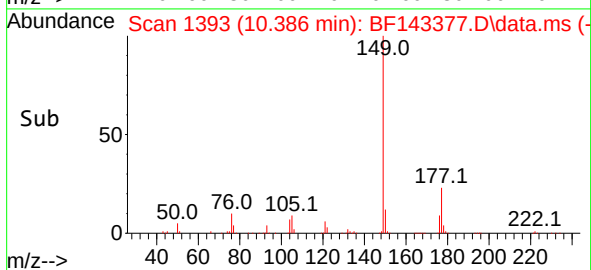
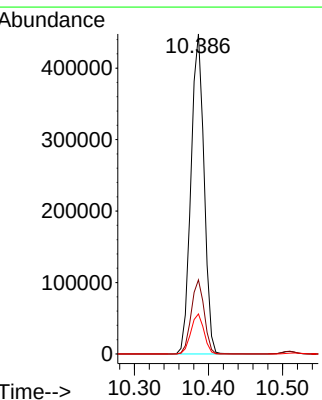
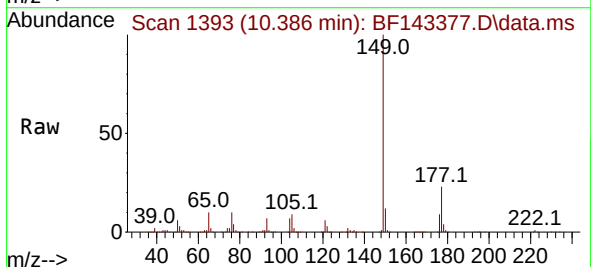
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

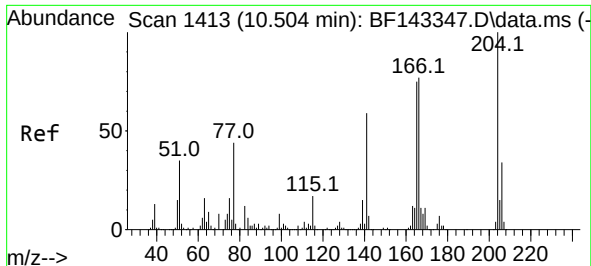
Tgt Ion:232 Resp: 141719
Ion Ratio Lower Upper
232 100
131 40.3 34.6 51.8
130 1.9 1.7 2.5
166 28.1 23.4 35.0



#60
Diethylphthalate
Concen: 37.031 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:149 Resp: 549288
Ion Ratio Lower Upper
149 100
177 23.2 18.2 27.2
150 12.5 9.9 14.9

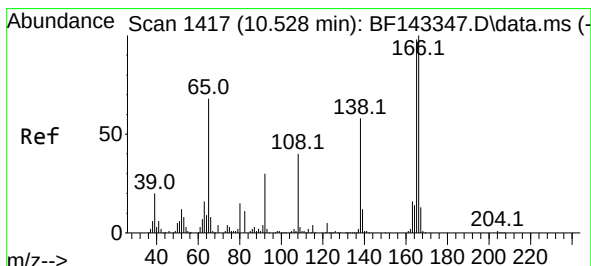
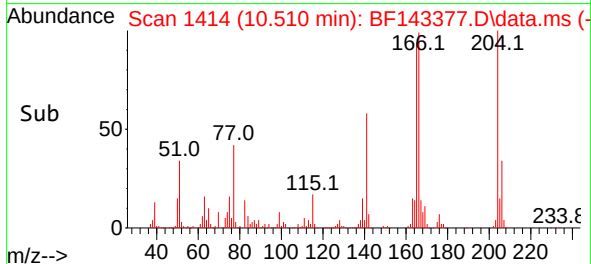
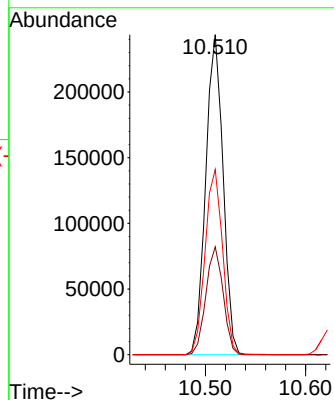
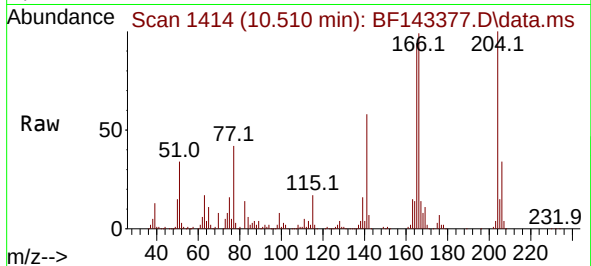




#61
4-Chlorophenyl-phenylether
Concen: 36.416 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

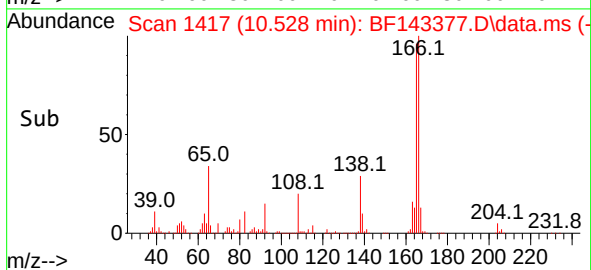
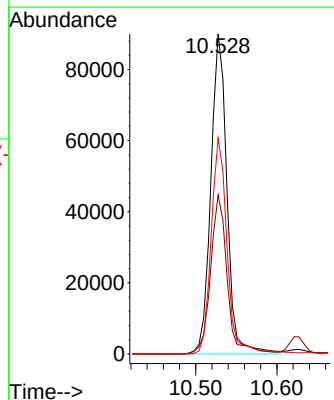
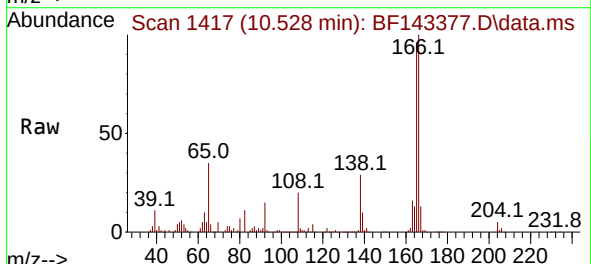
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

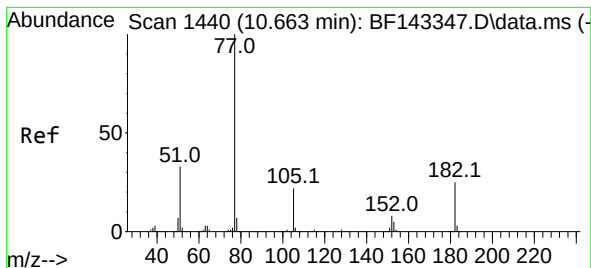
Tgt Ion:204 Resp: 293085
Ion Ratio Lower Upper
204 100
206 33.7 27.4 41.2
141 57.9 46.9 70.3



#62
4-Nitroaniline
Concen: 37.855 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:138 Resp: 124208
Ion Ratio Lower Upper
138 100
92 49.7 31.2 71.2
108 67.4 48.1 88.1





#63

Azobenzene

Concen: 35.414 ng

RT: 10.669 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 600012

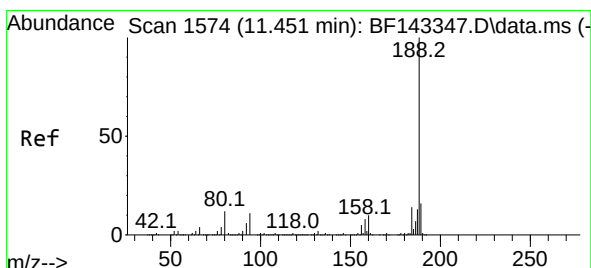
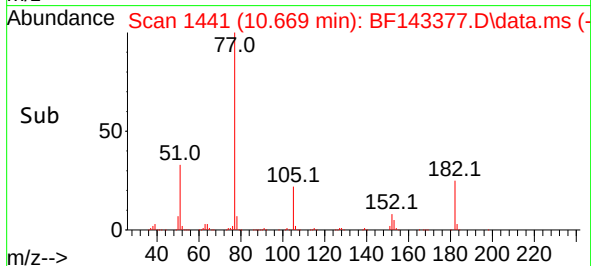
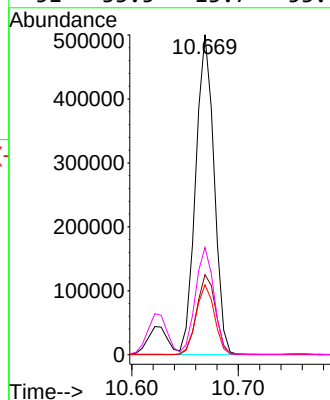
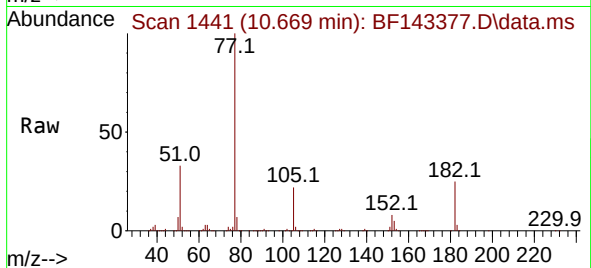
Ion Ratio Lower Upper

77 100

182 25.0 4.4 44.4

105 21.8 1.8 41.8

51 33.5 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1575

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

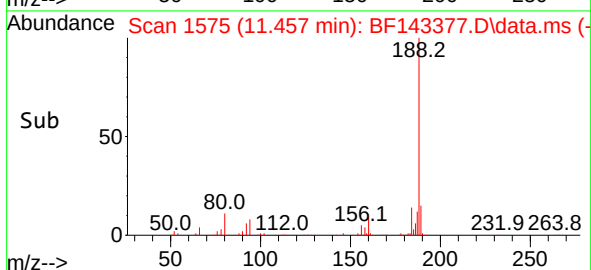
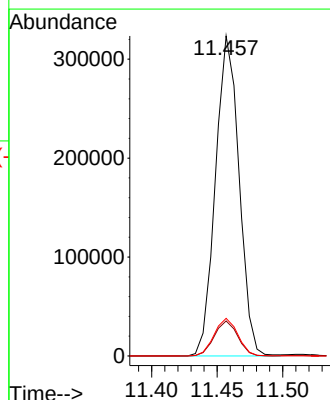
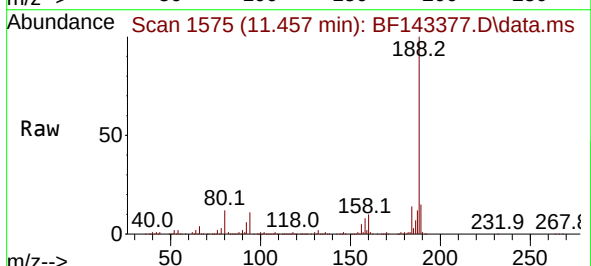
Tgt Ion: 188 Resp: 404824

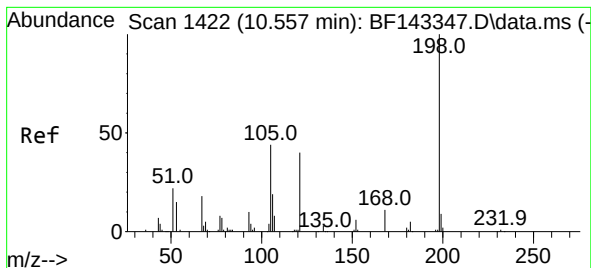
Ion Ratio Lower Upper

188 100

94 10.9 8.8 13.2

80 11.7 9.7 14.5

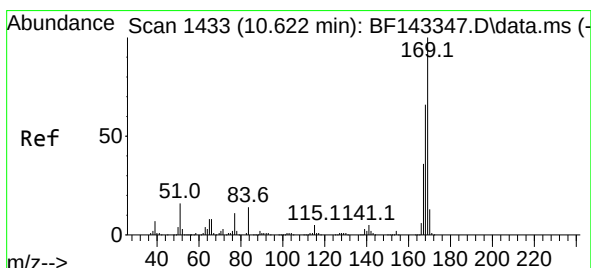
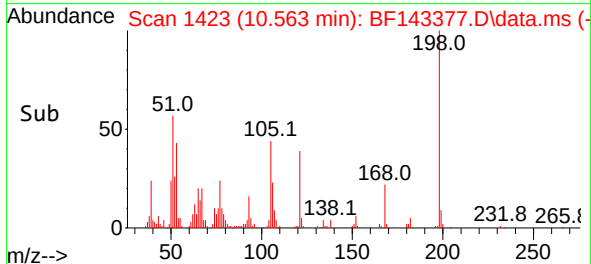
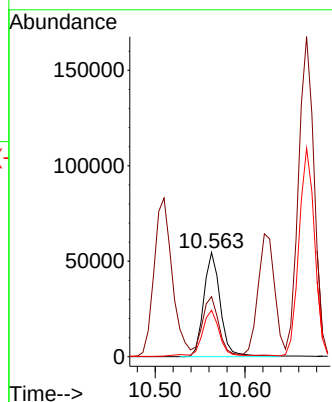
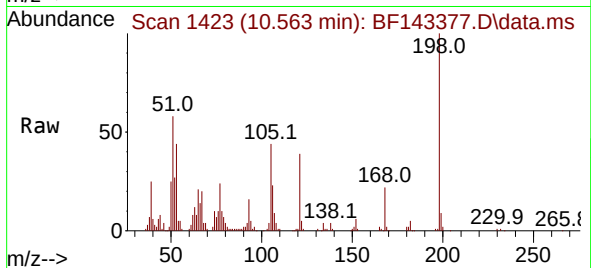




#65
4,6-Dinitro-2-methylphenol
Concen: 43.506 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

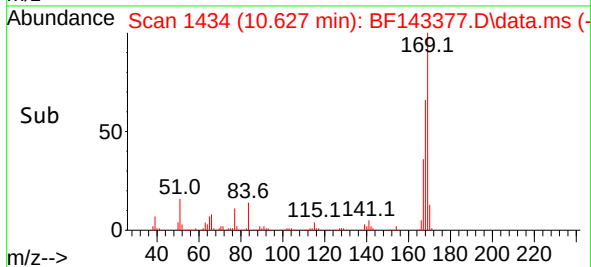
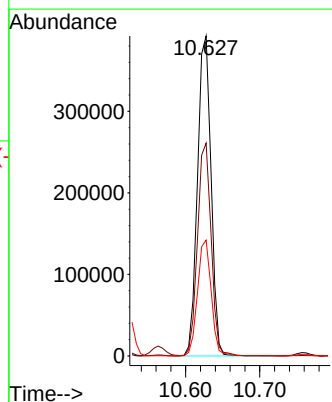
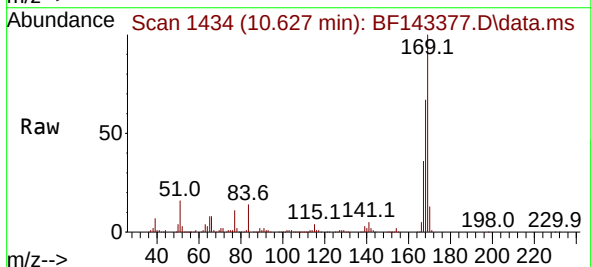
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

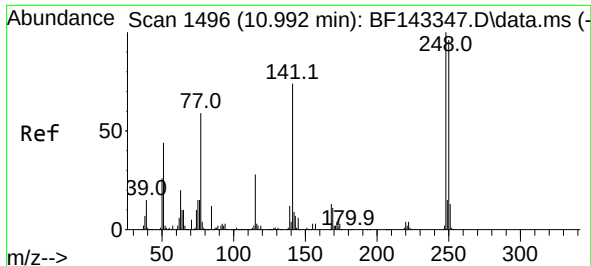
Tgt Ion:198 Resp: 69944
Ion Ratio Lower Upper
198 100
51 57.6 41.7 81.7
105 44.5 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 37.389 ng
RT: 10.627 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:169 Resp: 498392
Ion Ratio Lower Upper
169 100
168 66.5 52.7 79.1
167 36.2 28.6 42.8

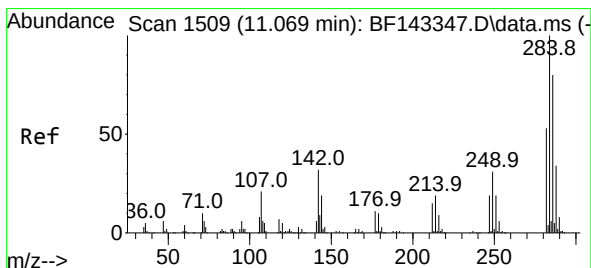
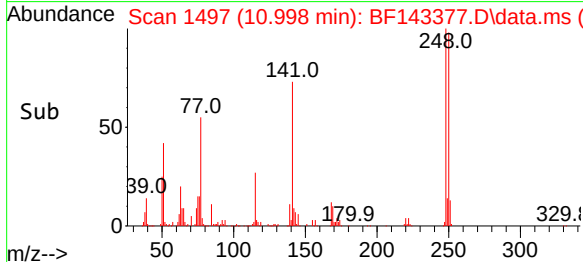
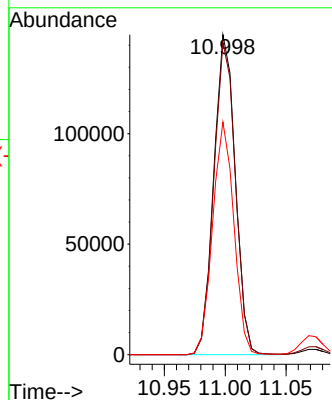
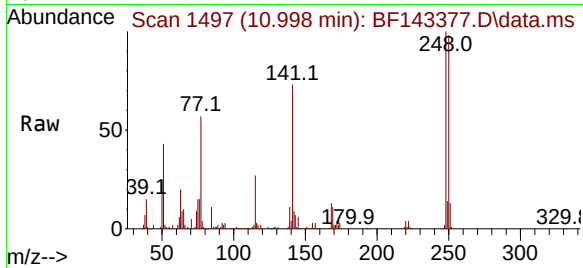




#67
4-Bromophenyl-phenylether
Concen: 38.474 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

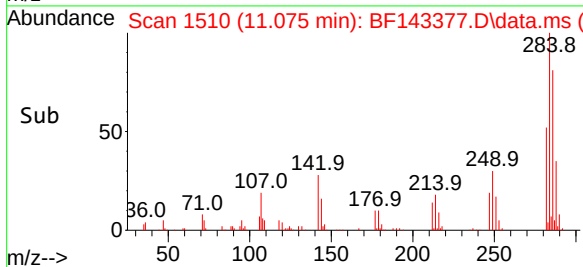
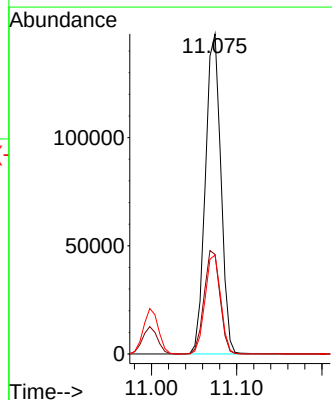
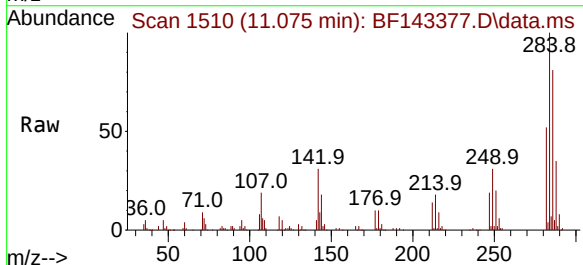
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

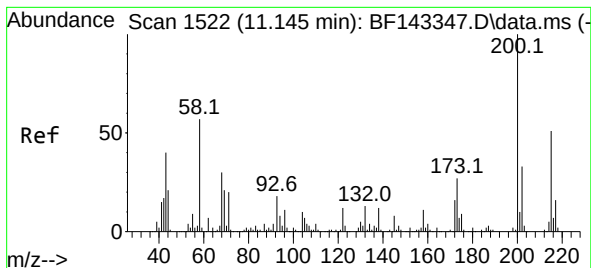
Tgt Ion:248 Resp: 178131
Ion Ratio Lower Upper
248 100
250 97.6 77.1 115.7
141 72.7 59.1 88.7



#68
Hexachlorobenzene
Concen: 37.395 ng
RT: 11.075 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:284 Resp: 186624
Ion Ratio Lower Upper
284 100
142 31.1 25.7 38.5
249 30.9 24.6 37.0





#69

Atrazine

Concen: 38.979 ng

RT: 11.151 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

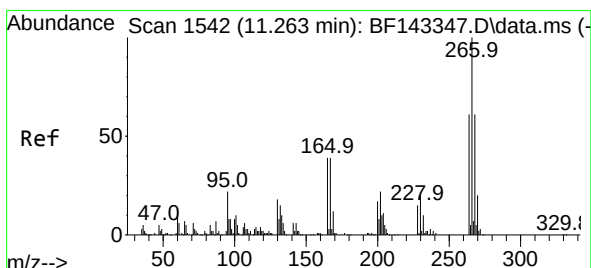
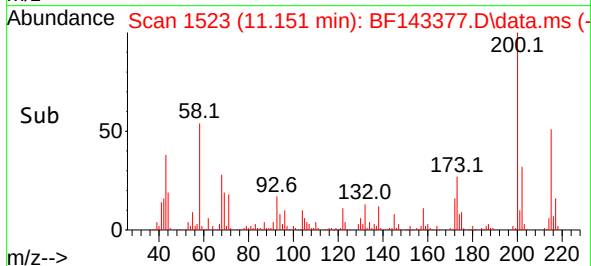
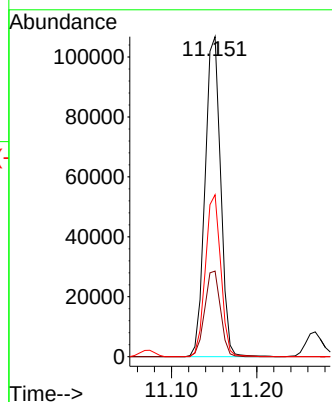
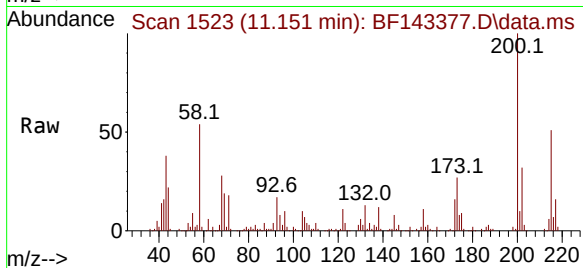
Tgt Ion:200 Resp: 135519

Ion Ratio Lower Upper

200 100

173 26.7 6.6 46.6

215 50.6 30.6 70.6



#70

Pentachlorophenol

Concen: 34.523 ng

RT: 11.269 min Scan# 1543

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

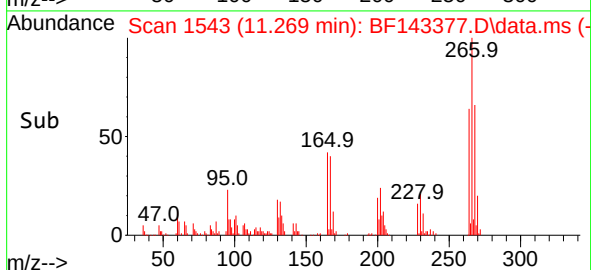
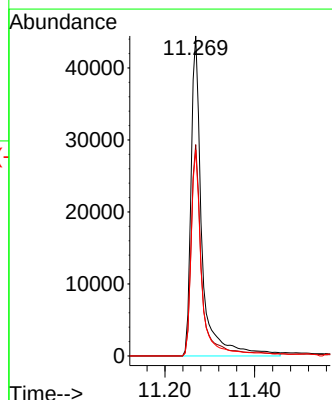
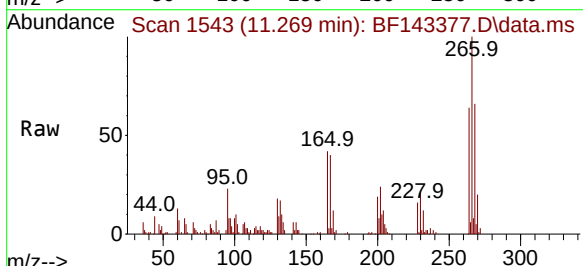
Tgt Ion:266 Resp: 75453

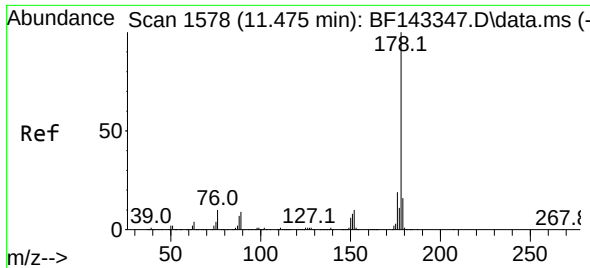
Ion Ratio Lower Upper

266 100

268 66.1 48.8 73.2

264 64.4 48.8 73.2

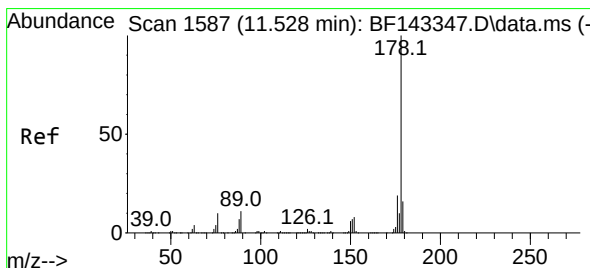
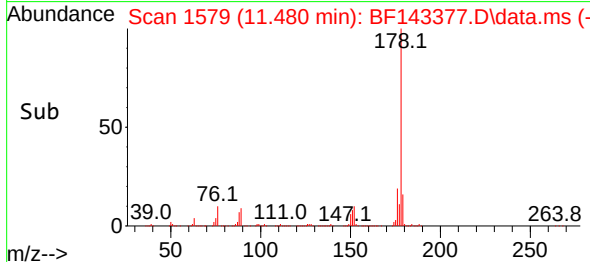
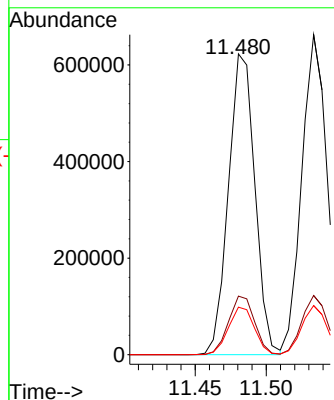
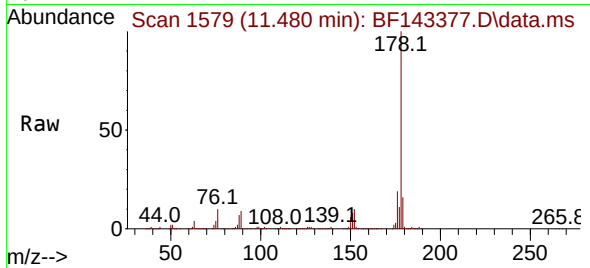




#71
Phenanthrene
Concen: 36.618 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

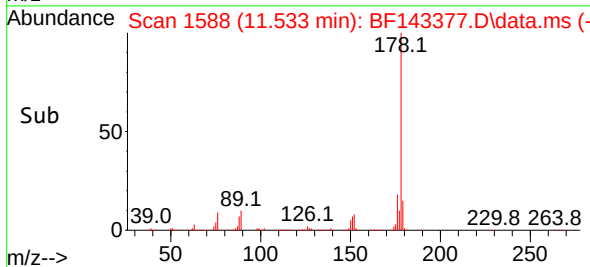
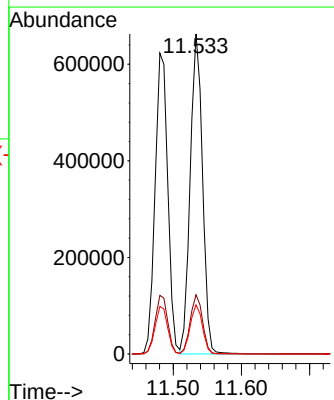
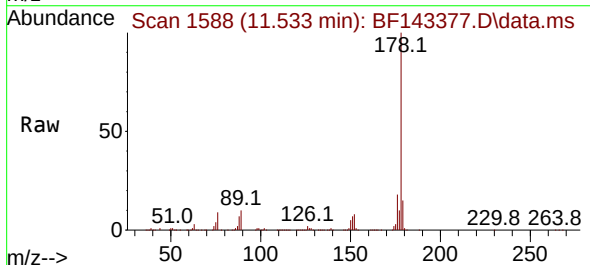
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

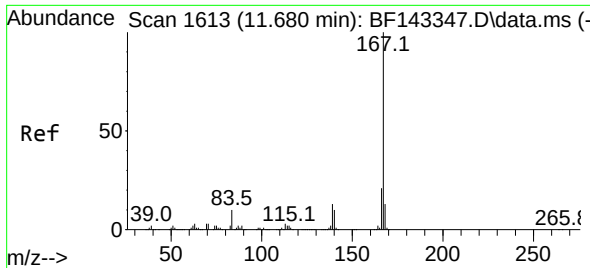
Tgt Ion:178 Resp: 808775
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.8 12.5 18.7



#72
Anthracene
Concen: 36.786 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:178 Resp: 823989
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.4 12.7 19.1

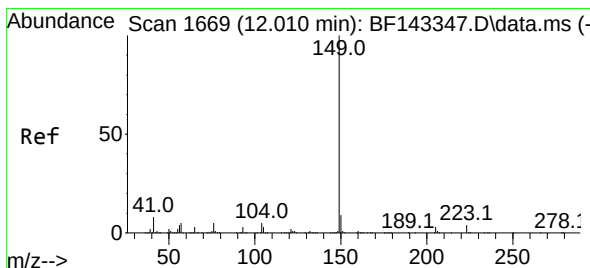
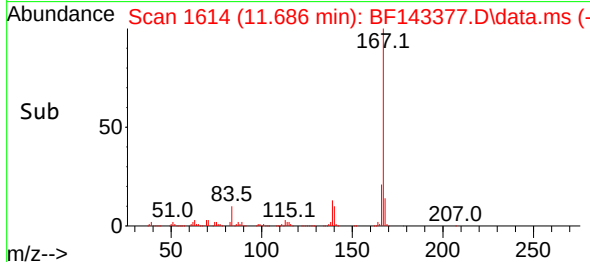
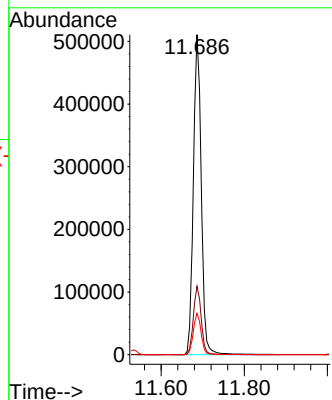
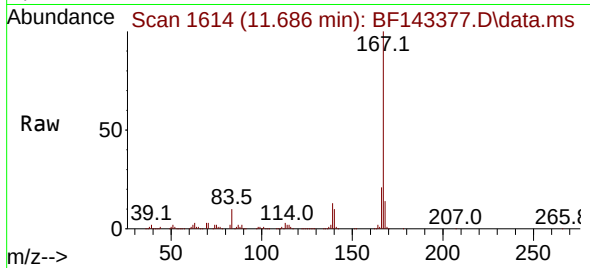




#73
Carbazole
Concen: 35.273 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

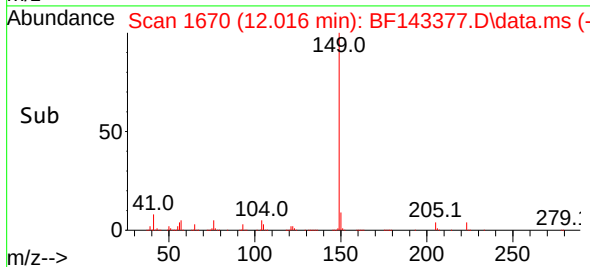
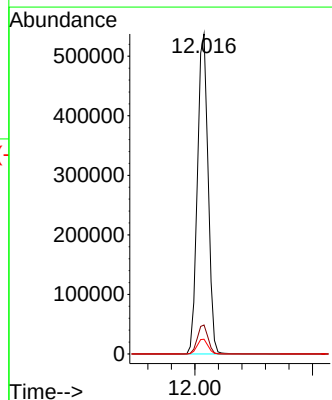
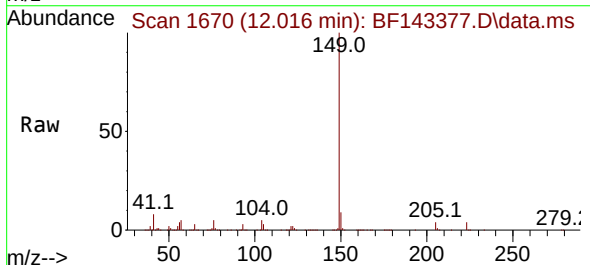
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

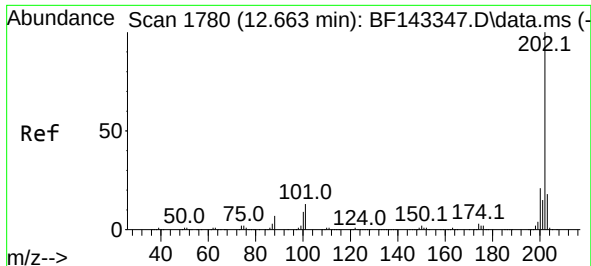
Tgt Ion:167 Resp: 672887
Ion Ratio Lower Upper
167 100
166 21.4 16.8 25.2
139 12.9 10.2 15.2



#74
Di-n-butylphthalate
Concen: 41.959 ng
RT: 12.016 min Scan# 1670
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:149 Resp: 677330
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.6 3.8 5.8

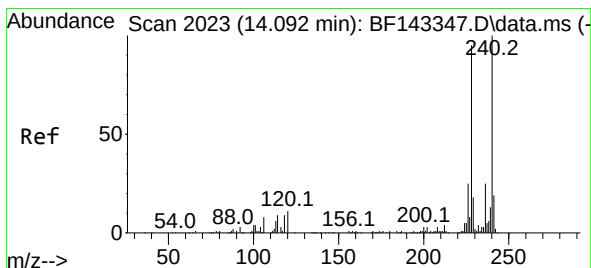
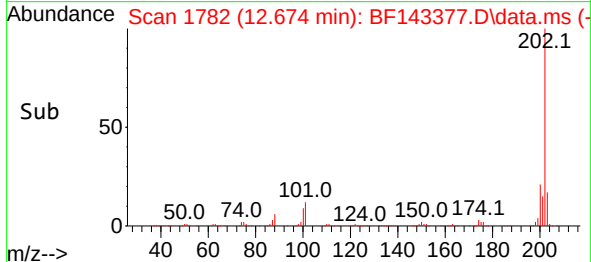
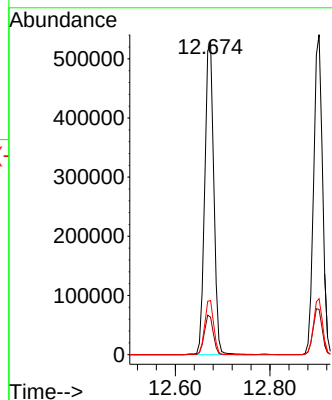
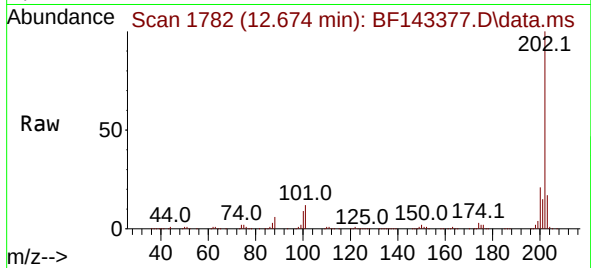




#75
Fluoranthene
Concen: 35.965 ng
RT: 12.674 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

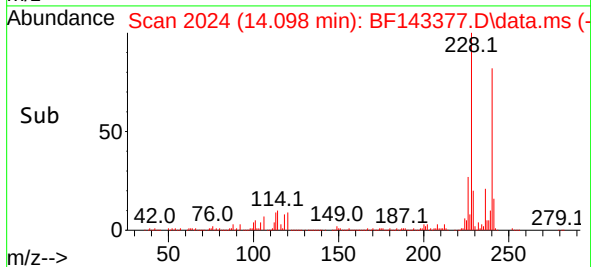
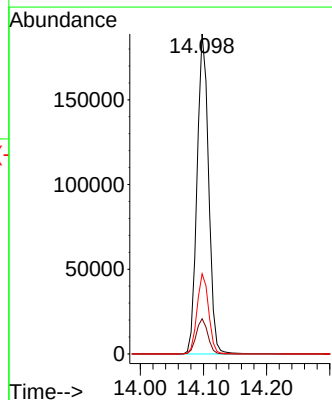
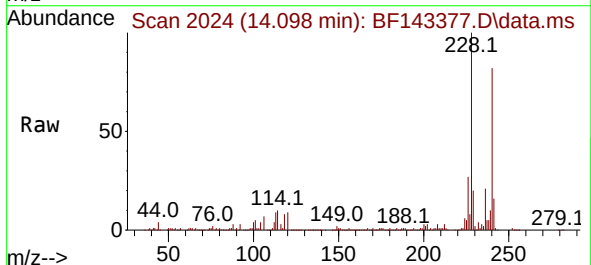
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

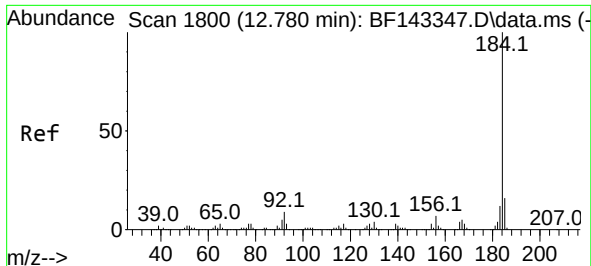
Tgt Ion:202 Resp: 695831
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.2
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:240 Resp: 239234
Ion Ratio Lower Upper
240 100
120 11.0 9.0 13.6
236 25.1 19.9 29.9

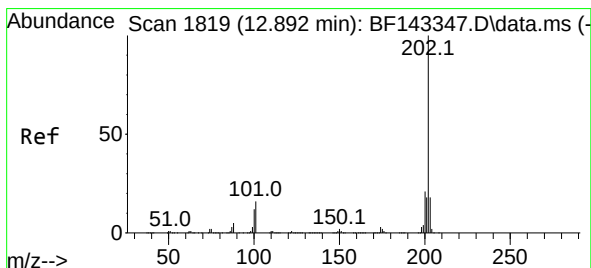
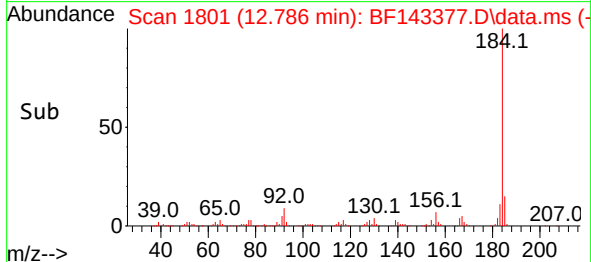
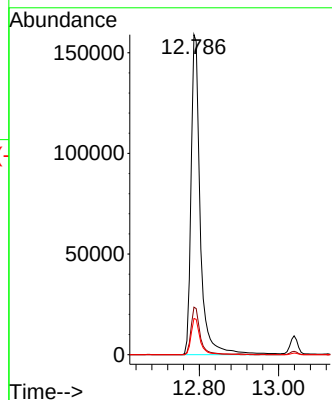
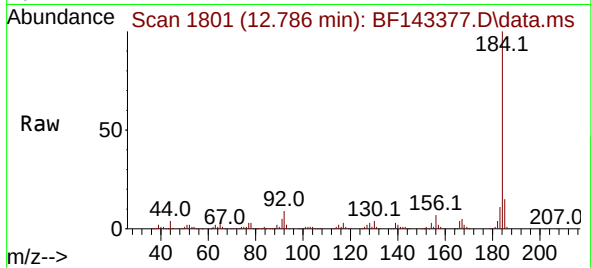




#77
Benzidine
Concen: 39.317 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

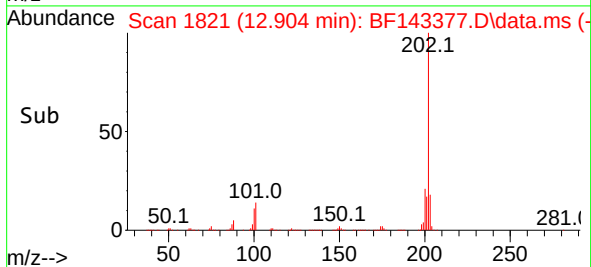
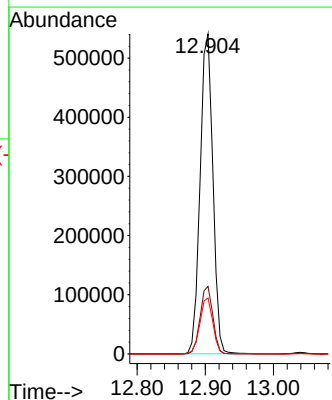
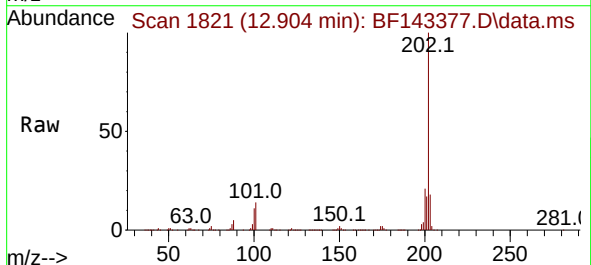
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

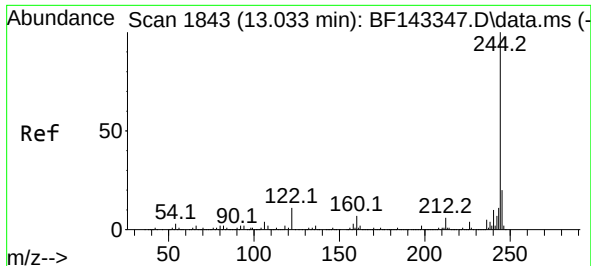
Tgt Ion:184 Resp: 257151
Ion Ratio Lower Upper
184 100
185 14.9 12.8 19.2
183 11.3 9.3 13.9



#78
Pyrene
Concen: 35.069 ng
RT: 12.904 min Scan# 1821
Delta R.T. 0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:202 Resp: 703812
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.5 14.2 21.4

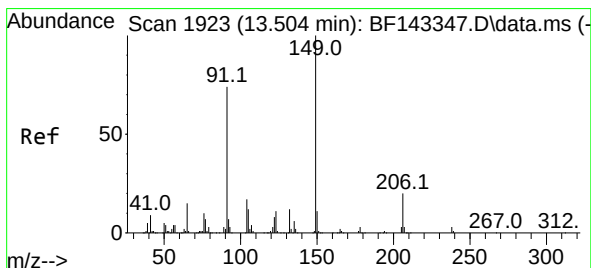
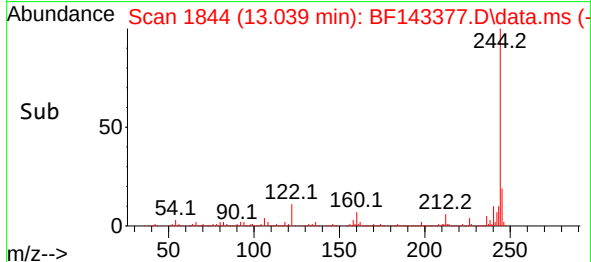
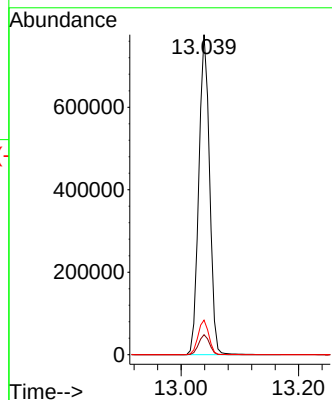
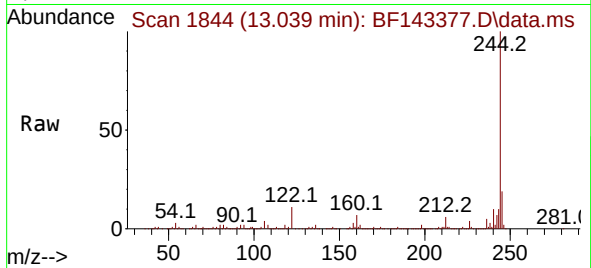




#79
Terphenyl-d14
Concen: 73.338 ng
RT: 13.039 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

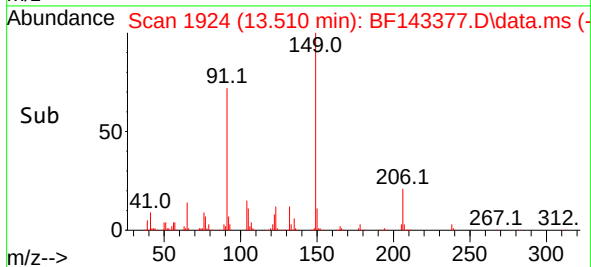
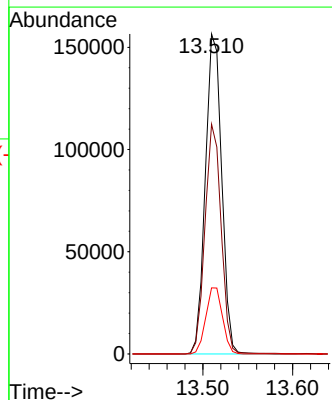
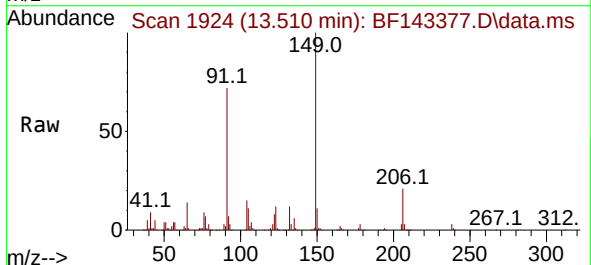
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

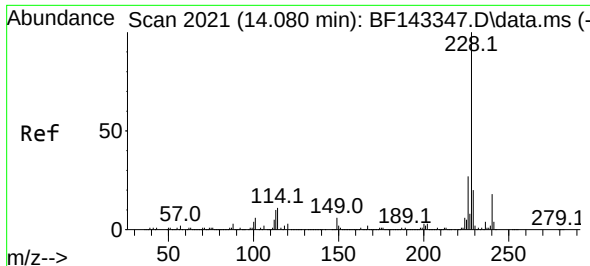
Tgt Ion:244 Resp: 982722
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 10.8 8.9 13.3



#80
Butylbenzylphthalate
Concen: 49.838 ng
RT: 13.510 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:149 Resp: 198206
Ion Ratio Lower Upper
149 100
91 71.8 58.8 88.2
206 20.6 16.4 24.6

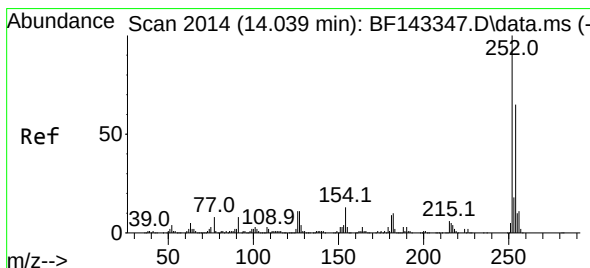
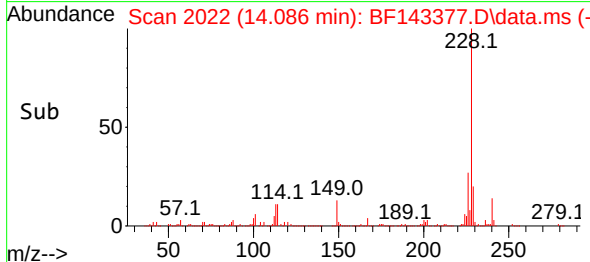
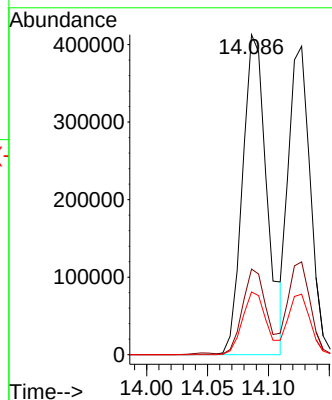
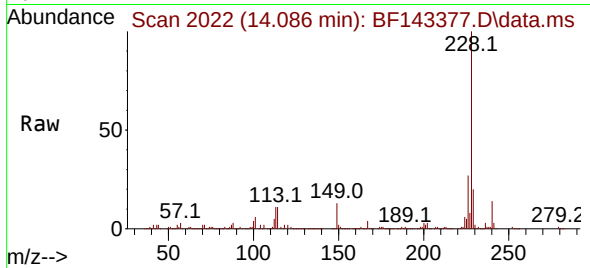




#81
Benzo(a)anthracene
Concen: 37.867 ng
RT: 14.086 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

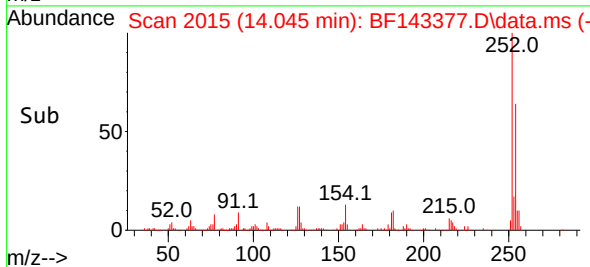
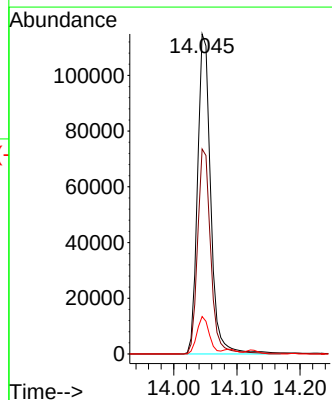
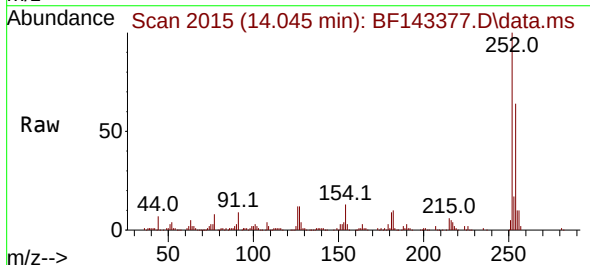
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

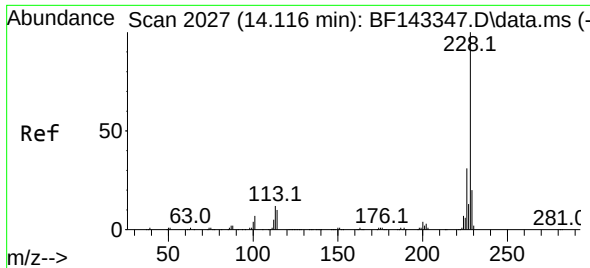
Tgt Ion:228 Resp: 575793
Ion Ratio Lower Upper
228 100
226 26.7 22.0 33.0
229 19.6 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 40.349 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:252 Resp: 165667
Ion Ratio Lower Upper
252 100
254 64.1 51.7 77.5
126 11.7 9.2 13.8

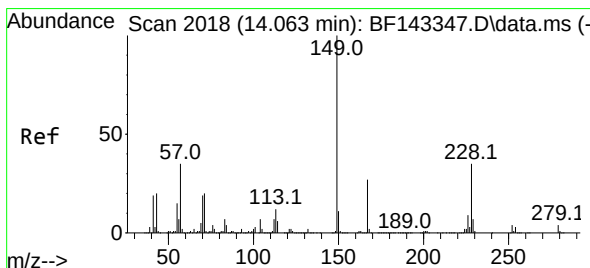
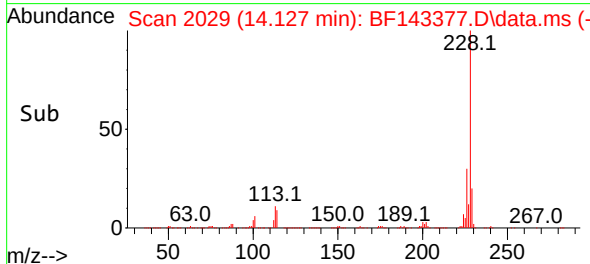
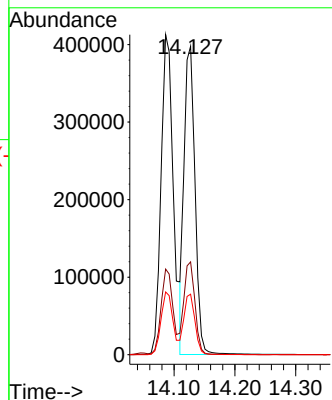
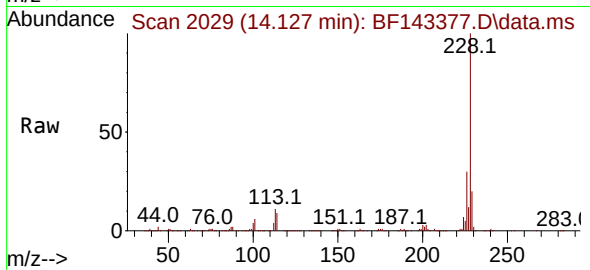




#83
Chrysene
Concen: 35.052 ng
RT: 14.127 min Scan# 2027
Delta R.T. 0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

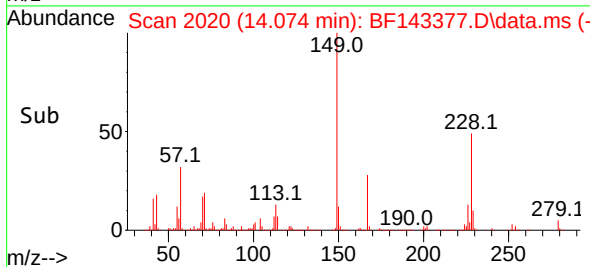
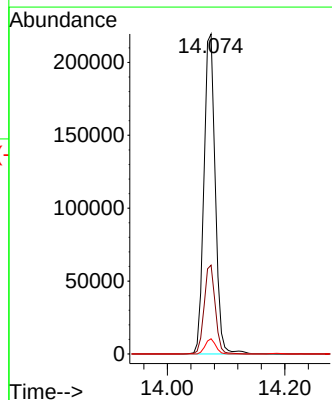
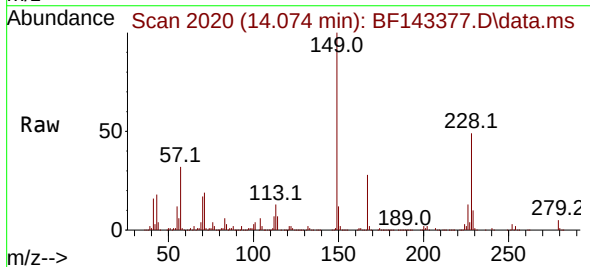
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

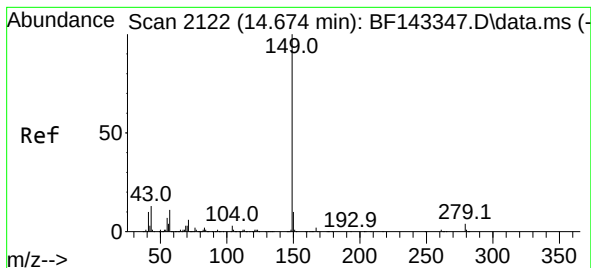
Tgt Ion:228 Resp: 496975
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 19.6 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.177 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.011 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:149 Resp: 293859
Ion Ratio Lower Upper
149 100
167 27.8 21.4 32.0
279 4.8 3.2 4.8

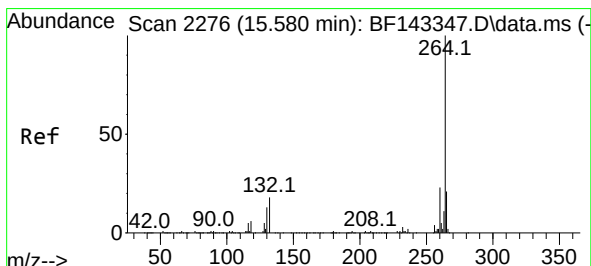
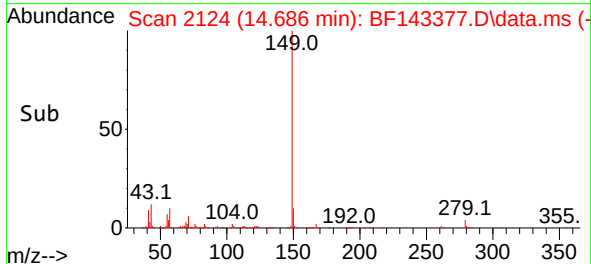
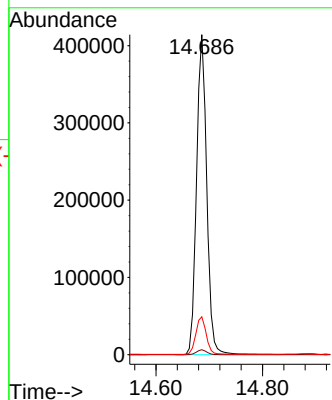
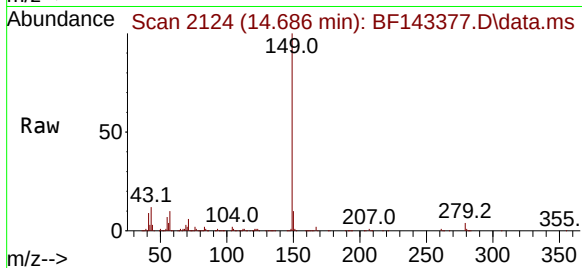




#85
Di-n-octyl phthalate
Concen: 47.599 ng
RT: 14.686 min Scan# 2124
Delta R.T. 0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

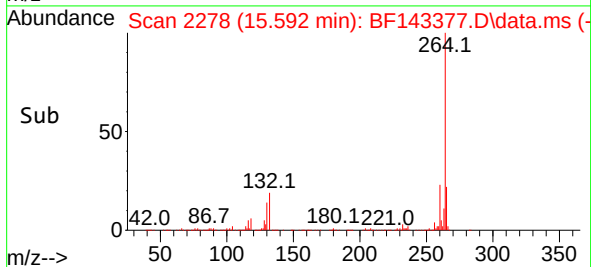
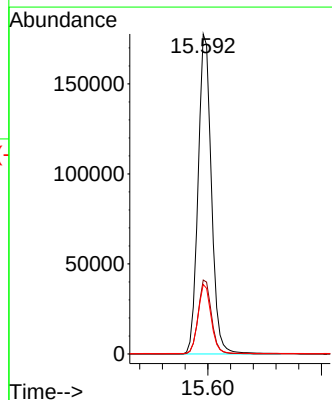
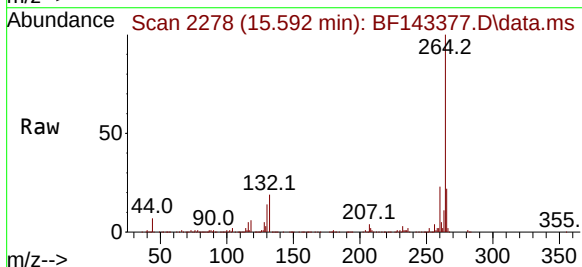
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

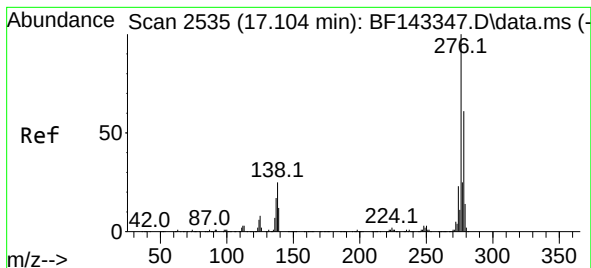
Tgt Ion:149 Resp: 552169
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.0 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. 0.012 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:264 Resp: 289673
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.525 ng

RT: 17.121 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

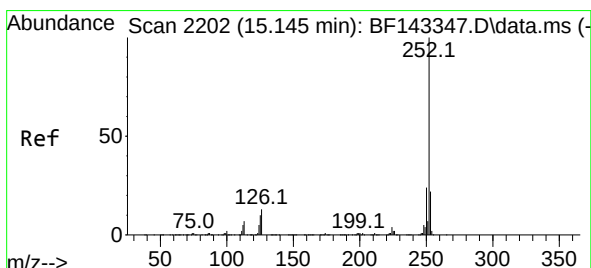
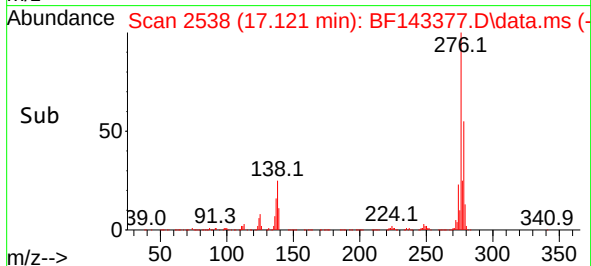
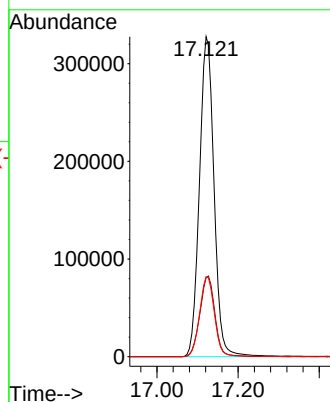
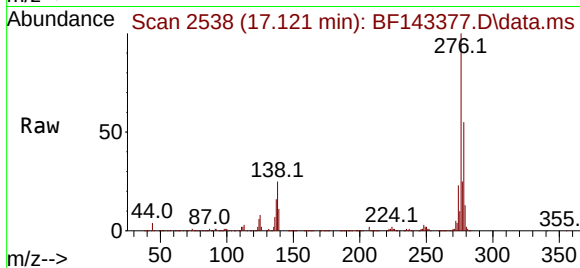
Tgt Ion:276 Resp: 820270

Ion Ratio Lower Upper

276 100

138 25.8 21.1 31.7

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 36.925 ng

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

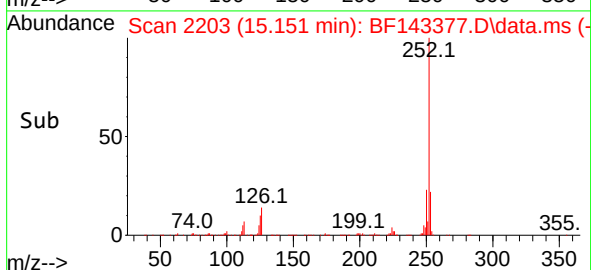
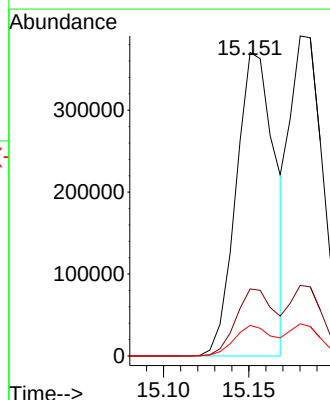
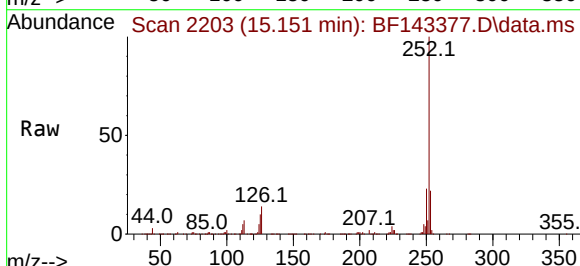
Tgt Ion:252 Resp: 585035

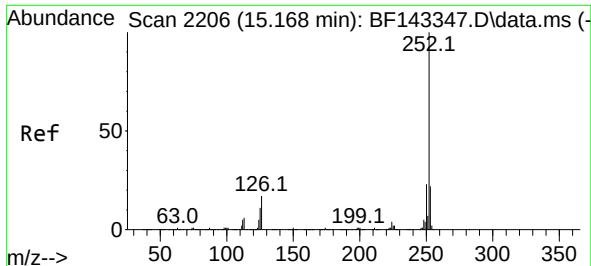
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 10.1 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 34.980 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

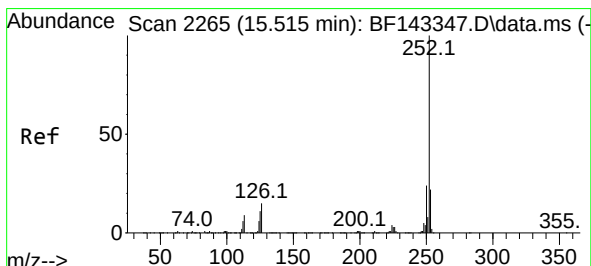
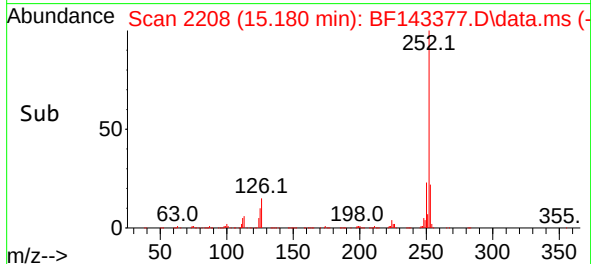
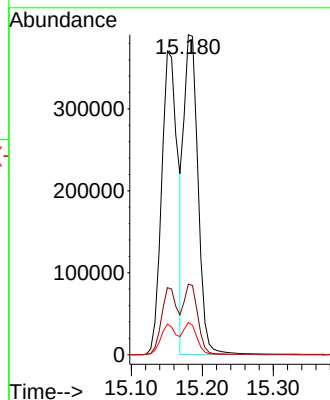
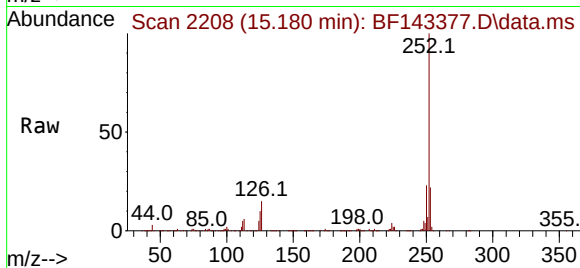
Tgt Ion:252 Resp: 538537

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.1 8.4 12.6



#90

Benzo(a)pyrene

Concen: 36.867 ng

RT: 15.533 min Scan# 2268

Delta R.T. 0.018 min

Lab File: BF143377.D

Acq: 14 Aug 2025 12:55

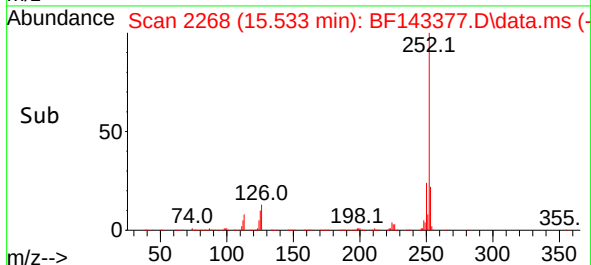
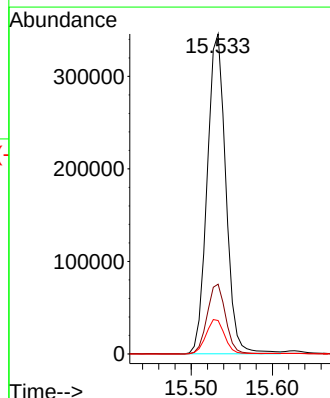
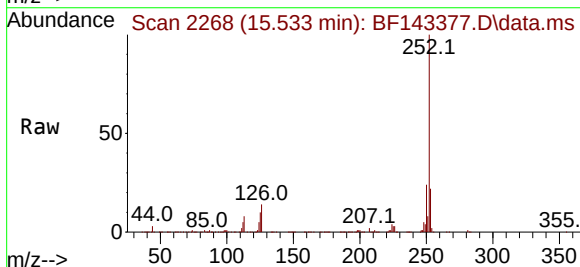
Tgt Ion:252 Resp: 550144

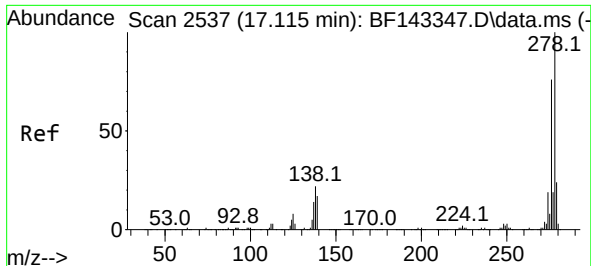
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.5 9.1 13.7

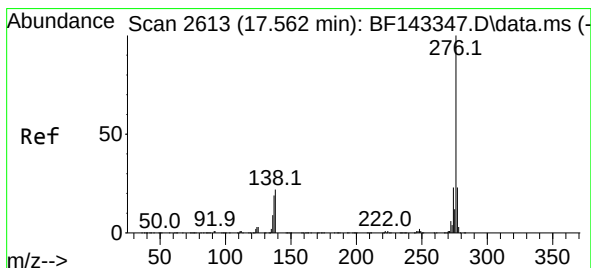
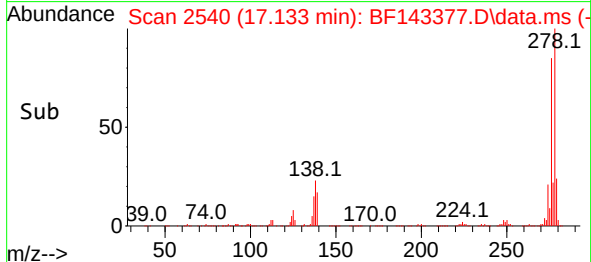
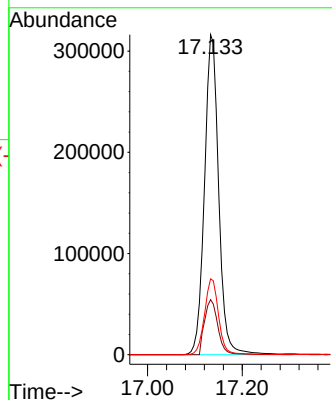
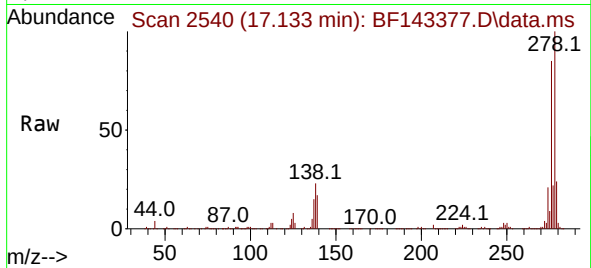




#91
Dibenzo(a,h)anthracene
Concen: 39.667 ng
RT: 17.133 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

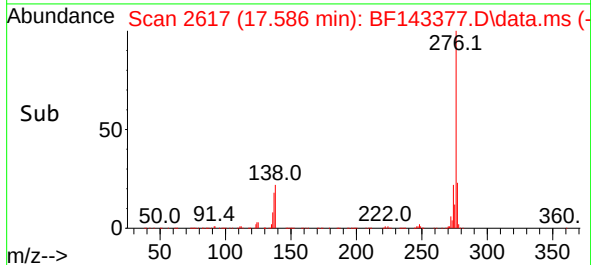
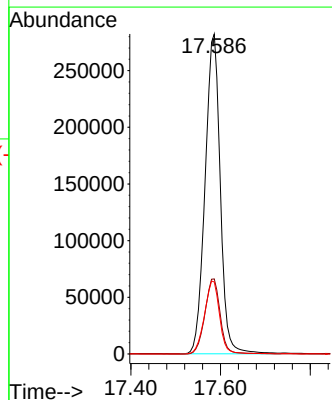
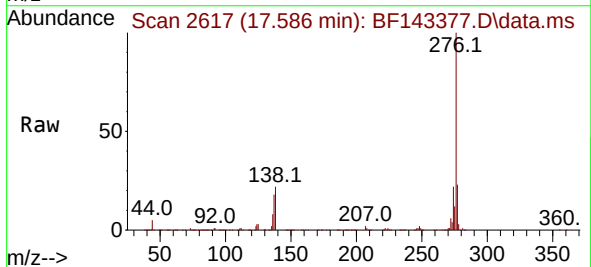
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 657670
Ion Ratio Lower Upper
278 100
139 17.2 14.0 21.0
279 23.7 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 39.657 ng
RT: 17.586 min Scan# 2617
Delta R.T. 0.023 min
Lab File: BF143377.D
Acq: 14 Aug 2025 12:55

Tgt Ion:276 Resp: 662349
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 22.5 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143397.D
 Acq On : 14 Aug 2025 22:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 15 01:35:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	152105	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	563232	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	277841	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	378614	20.000	ng	0.00
76) Chrysene-d12	14.098	240	246790	20.000	ng	0.00
86) Perylene-d12	15.592	264	345291	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	643911	73.205	ng	0.00
7) Phenol-d6	6.563	99	792527	70.261	ng	0.00
23) Nitrobenzene-d5	7.493	82	702587	77.681	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	163924	80.730	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1223203	74.656	ng	0.00
79) Terphenyl-d14	13.039	244	881305	63.756	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.734	88	157177	34.533	ng	98
3) Pyridine	3.516	79	421075	34.717	ng	99
4) n-Nitrosodimethylamine	3.457	42	195742	34.645	ng	99
6) Aniline	6.598	93	543387	34.171	ng	98
8) 2-Chlorophenol	6.722	128	350779	37.322	ng	97
9) Benzaldehyde	6.487	77	243421	32.651	ng	98
10) Phenol	6.581	94	472975	35.396	ng	96
11) bis(2-Chloroethyl)ether	6.663	93	348679	35.405	ng	99
12) 1,3-Dichlorobenzene	6.875	146	388534	35.839	ng	100
13) 1,4-Dichlorobenzene	6.951	146	391006	35.936	ng	99
14) 1,2-Dichlorobenzene	7.104	146	370583	35.880	ng	99
15) Benzyl Alcohol	7.075	79	295961	36.604	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.204	45	593645	33.764	ng	99
17) 2-Methylphenol	7.187	107	281294	35.456	ng	99
18) Hexachloroethane	7.445	117	132838	38.942	ng	99
19) n-Nitroso-di-n-propyla...	7.340	70	233943	33.566	ng	99
20) 3+4-Methylphenols	7.340	107	337641	35.190	ng	97
22) Acetophenone	7.340	105	432509	34.852	ng	97
24) Nitrobenzene	7.510	77	372258	37.898	ng	98
25) Isophorone	7.751	82	637222	34.512	ng	100
26) 2-Nitrophenol	7.828	139	177089	45.217	ng	100
27) 2,4-Dimethylphenol	7.863	122	279099	36.232	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	402907	35.741	ng	99
29) 2,4-Dichlorophenol	8.075	162	290315	38.587	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	294443	37.101	ng	99
31) Naphthalene	8.240	128	975346	35.988	ng	99
32) Benzoic acid	7.975	122	128968	40.763	ng	97
33) 4-Chloroaniline	8.281	127	345847	35.380	ng	100
34) Hexachlorobutadiene	8.357	225	191788	38.848	ng	99
35) Caprolactam	8.640	113	76776	36.300	ng	100
36) 4-Chloro-3-methylphenol	8.763	107	278956	35.367	ng	97
37) 2-Methylnaphthalene	8.928	142	629467	35.329	ng	100
38) 1-Methylnaphthalene	9.028	142	594152	34.624	ng	100
40) 1,2,4,5-Tetrachloroben...	9.098	216	294195	38.695	ng	100
41) Hexachlorocyclopentadiene	9.087	237	129924	51.058	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	180656	41.879	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143397.D
 Acq On : 14 Aug 2025 22:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

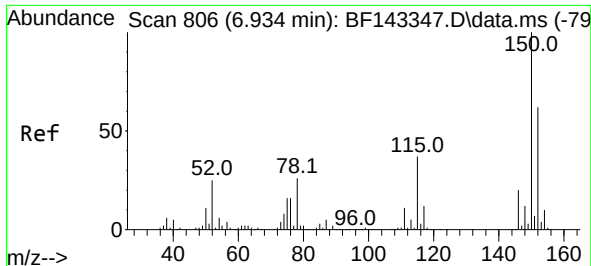
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	191510	39.313	ng	98
46) 1,1'-Biphenyl	9.392	154	734155	37.371	ng	99
47) 2-Chloronaphthalene	9.416	162	579598	37.462	ng	99
48) 2-Nitroaniline	9.510	65	170708	38.817	ng	96
49) Acenaphthylene	9.828	152	817159	36.573	ng	100
50) Dimethylphthalate	9.681	163	611502	37.666	ng	100
51) 2,6-Dinitrotoluene	9.745	165	123848	40.788	ng	94
52) Acenaphthene	10.004	154	541033	36.423	ng	99
53) 3-Nitroaniline	9.916	138	136382	41.020	ng	96
54) 2,4-Dinitrophenol	10.028	184	31584	35.584	ng #	84
55) Dibenzofuran	10.175	168	772029	36.113	ng	100
56) 4-Nitrophenol	10.081	139	70771	30.288	ng	95
57) 2,4-Dinitrotoluene	10.151	165	159522	39.688	ng	90
58) Fluorene	10.516	166	572834	35.081	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	130610	39.774	ng	98
60) Diethylphthalate	10.386	149	536101	36.866	ng	98
61) 4-Chlorophenyl-phenyle...	10.510	204	285928	36.239	ng	98
62) 4-Nitroaniline	10.528	138	116589	36.245	ng	98
63) Azobenzene	10.669	77	562010	33.836	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	64754	43.140	ng	92
66) n-Nitrosodiphenylamine	10.622	169	476800	38.245	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	172874	39.924	ng	97
68) Hexachlorobenzene	11.069	284	177709	38.074	ng	99
69) Atrazine	11.145	200	132597	40.779	ng	99
70) Pentachlorophenol	11.263	266	66512	32.879	ng	98
71) Phenanthrene	11.480	178	742863	35.962	ng	100
72) Anthracene	11.533	178	762390	36.392	ng	99
73) Carbazole	11.686	167	608695	34.117	ng	99
74) Di-n-butylphthalate	12.010	149	643625	42.631	ng	100
75) Fluoranthene	12.669	202	628208	34.718	ng	99
77) Benzidine	12.786	184	251288	37.244	ng	99
78) Pyrene	12.898	202	640096	30.918	ng	99
80) Butylbenzylphthalate	13.510	149	206438	50.287	ng	96
81) Benzo(a)anthracene	14.086	228	560700	35.746	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	188593	44.526	ng	99
83) Chrysene	14.121	228	537379	36.741	ng	99
84) Bis(2-ethylhexyl)phtha...	14.069	149	309325	51.120	ng	98
85) Di-n-octyl phthalate	14.686	149	611488	50.655	ng	95
87) Indeno(1,2,3-cd)pyrene	17.121	276	924731	37.381	ng	99
88) Benzo(b)fluoranthene	15.151	252	716789	37.954	ng	100
89) Benzo(k)fluoranthene	15.180	252	602501	32.831	ng	99
90) Benzo(a)pyrene	15.527	252	649502	36.515	ng	100
91) Dibenzo(a,h)anthracene	17.133	278	751396	38.021	ng	98
92) Benzo(g,h,i)perylene	17.580	276	738534	37.096	ng	99

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

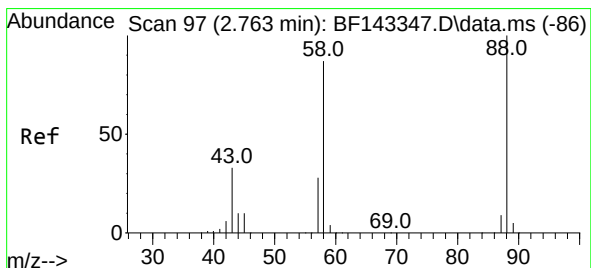
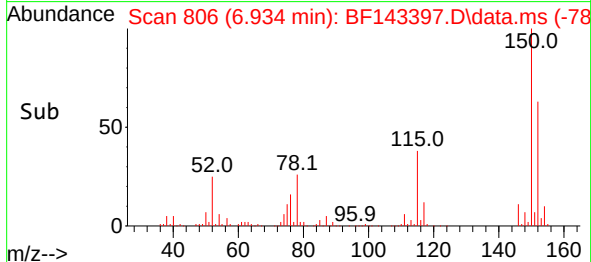
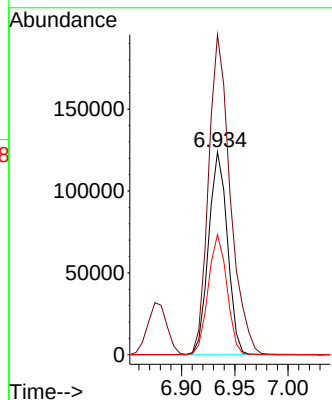
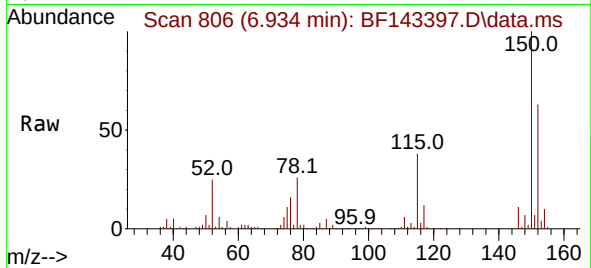
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- 13
- 14
- 15
- 16
- 17
- 18



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143397.D
 Acq: 14 Aug 2025 22:56

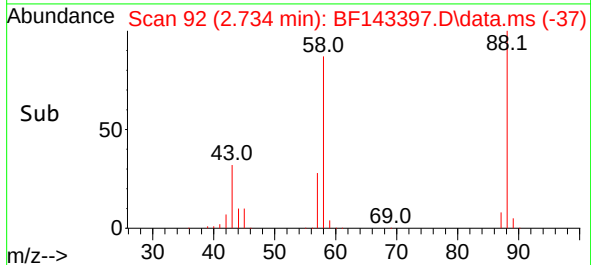
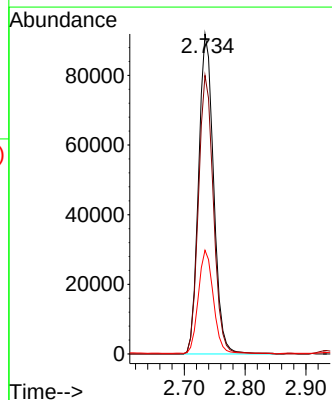
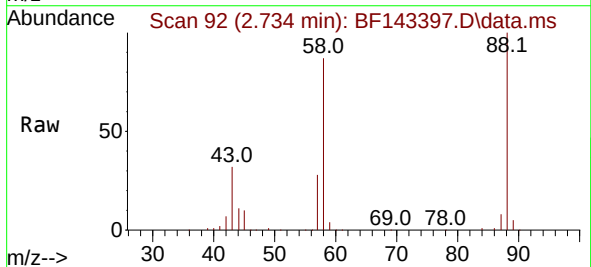
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

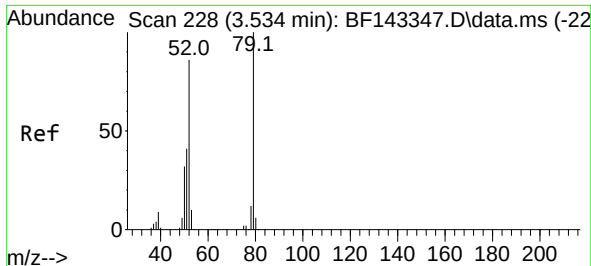
Tgt Ion:152 Resp: 152105
 Ion Ratio Lower Upper
 152 100
 150 157.9 129.8 194.8
 115 59.3 47.8 71.8



#2
 1,4-Dioxane
 Concen: 34.533 ng
 RT: 2.734 min Scan# 92
 Delta R.T. -0.029 min
 Lab File: BF143397.D
 Acq: 14 Aug 2025 22:56

Tgt Ion: 88 Resp: 157177
 Ion Ratio Lower Upper
 88 100
 58 87.0 71.0 106.6
 43 33.1 27.0 40.6





#3

Pyridine

Concen: 34.717 ng

RT: 3.516 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143397.D

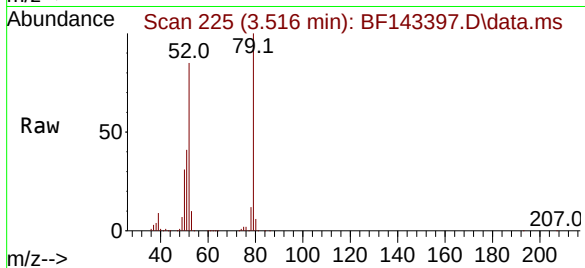
Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



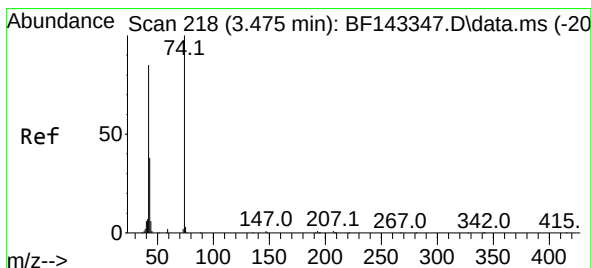
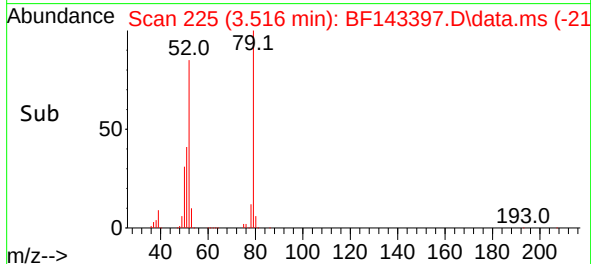
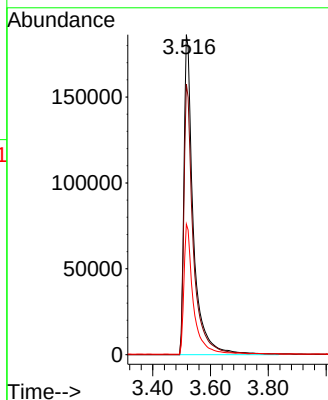
Tgt Ion: 79 Resp: 421075

Ion Ratio Lower Upper

79 100

52 84.5 68.7 103.1

51 40.8 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 34.645 ng

RT: 3.457 min Scan# 215

Delta R.T. -0.018 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

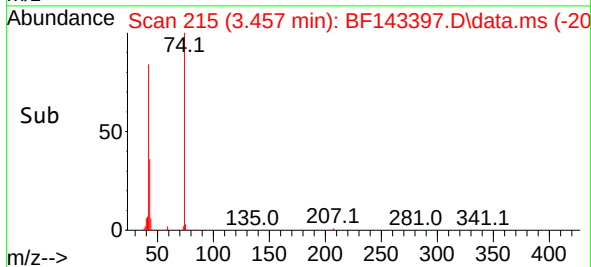
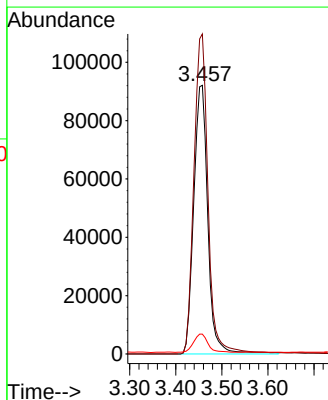
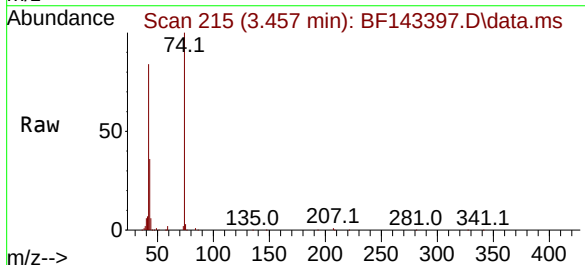
Tgt Ion: 42 Resp: 195742

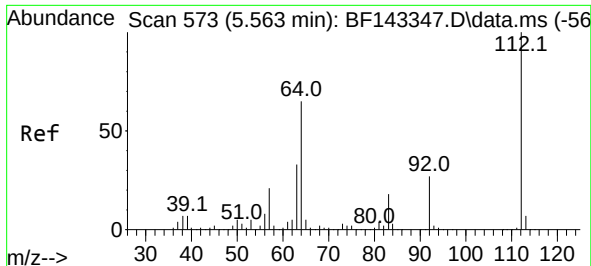
Ion Ratio Lower Upper

42 100

74 119.1 94.1 141.1

44 7.4 6.5 9.7

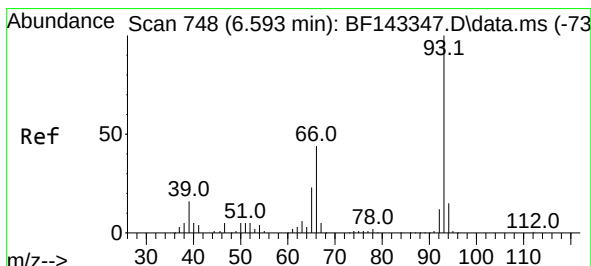
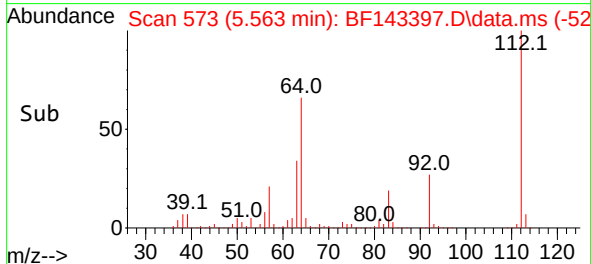
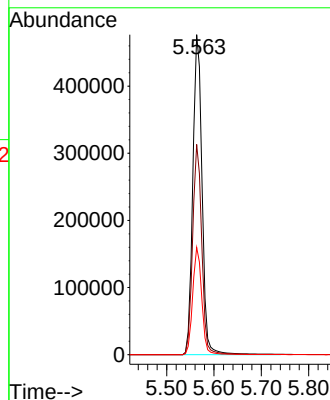
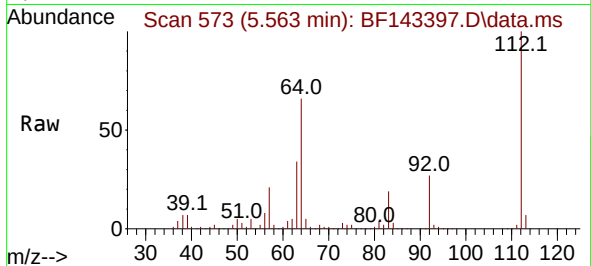




#5
2-Fluorophenol
Concen: 73.205 ng
RT: 5.563 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

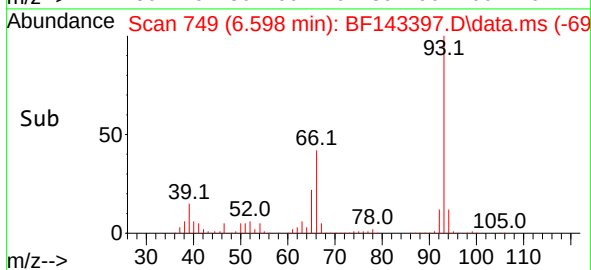
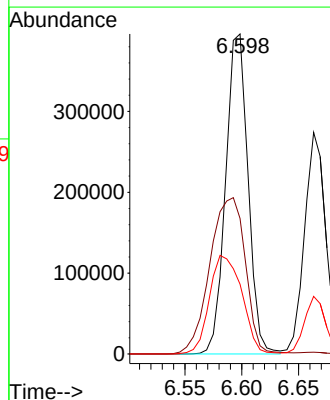
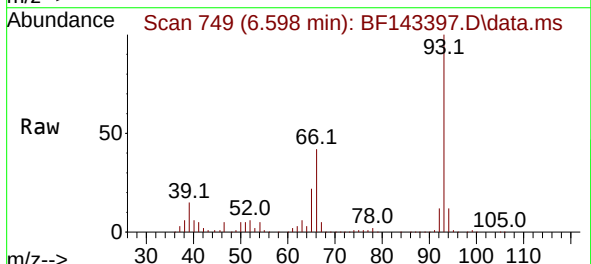
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

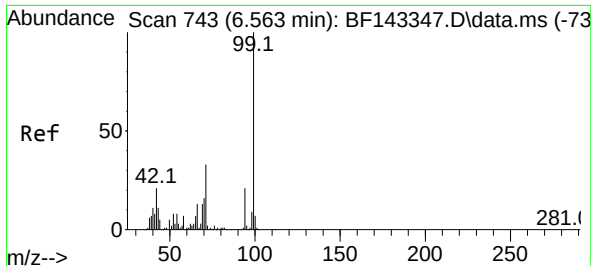
Tgt Ion:112 Resp: 643911
Ion Ratio Lower Upper
112 100
64 65.7 52.1 78.1
63 33.5 26.6 39.8



#6
Aniline
Concen: 34.171 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 93 Resp: 543387
Ion Ratio Lower Upper
93 100
66 42.4 35.3 52.9
65 21.8 18.2 27.4

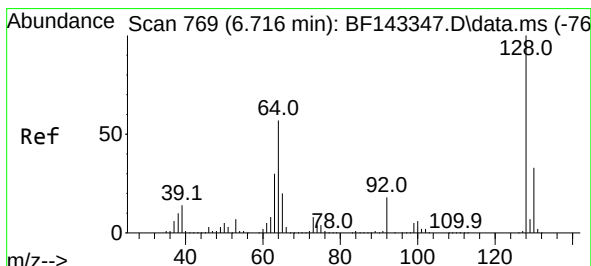
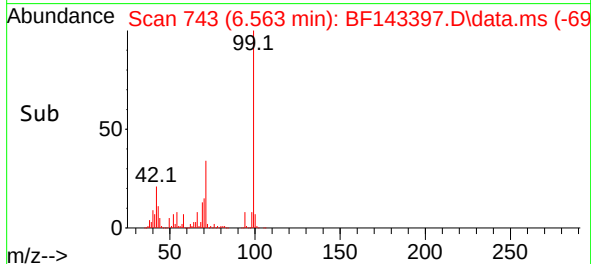
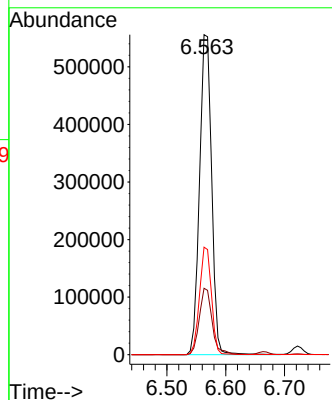
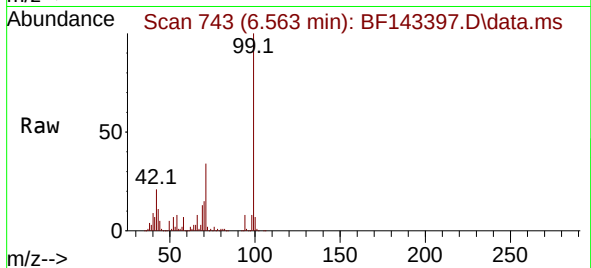




#7
Phenol-d6
Concen: 70.261 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

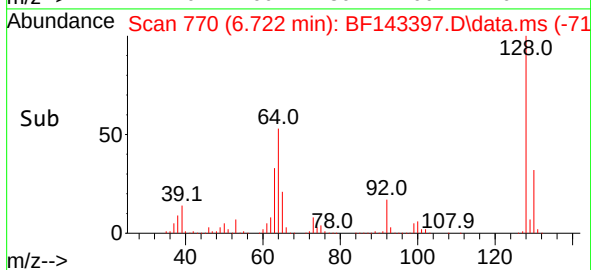
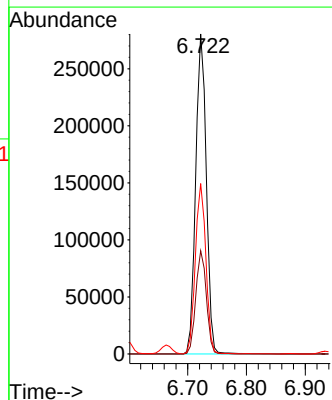
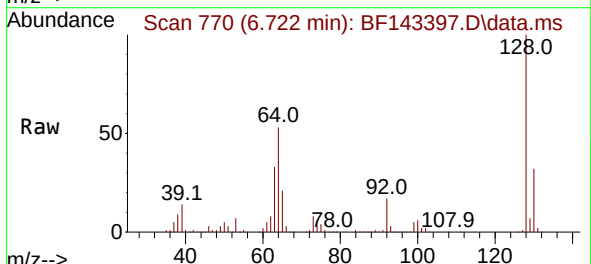
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

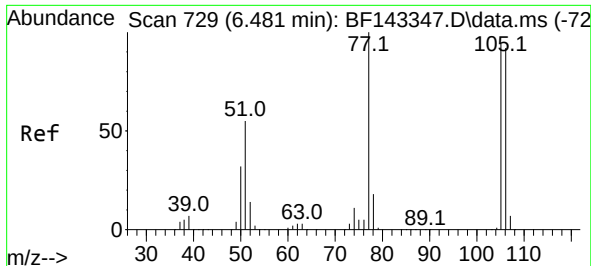
Tgt Ion: 99 Resp: 792527
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 33.6 26.2 39.2



#8
2-Chlorophenol
Concen: 37.322 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 128 Resp: 350779
Ion Ratio Lower Upper
128 100
130 32.2 12.6 52.6
64 53.3 36.7 76.7

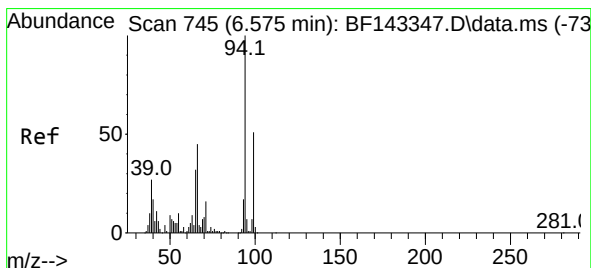
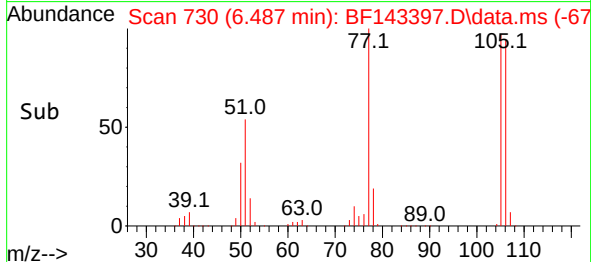
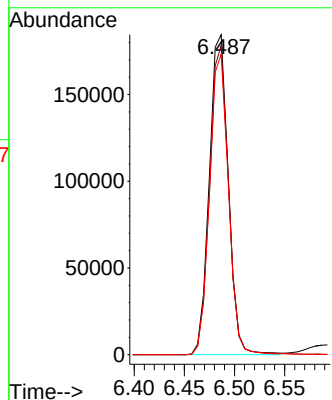
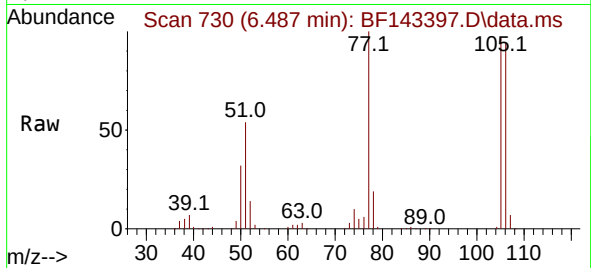




#9
Benzaldehyde
Concen: 32.651 ng
RT: 6.487 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

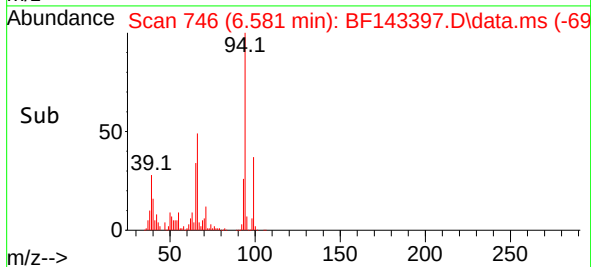
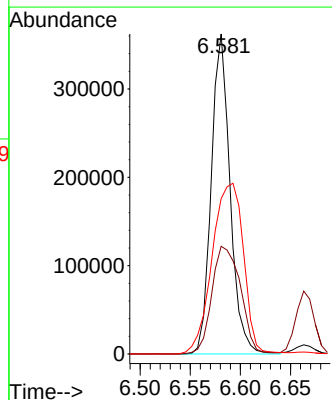
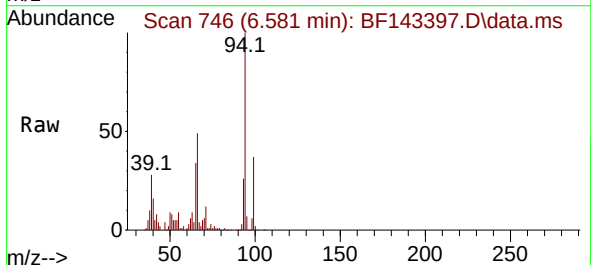
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

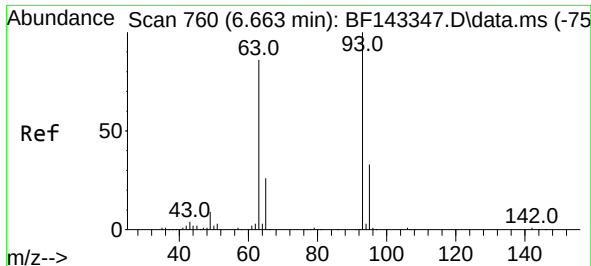
Tgt Ion: 77 Resp: 243421
Ion Ratio Lower Upper
77 100
105 96.5 74.2 114.2
106 93.9 72.2 112.2



#10
Phenol
Concen: 35.396 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 94 Resp: 472975
Ion Ratio Lower Upper
94 100
65 33.6 12.0 52.0
66 48.6 25.6 65.6





#11

bis(2-Chloroethyl)ether

Concen: 35.405 ng

RT: 6.663 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

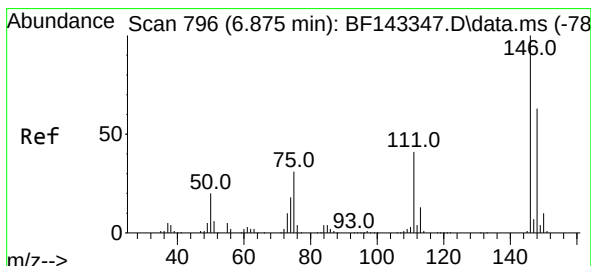
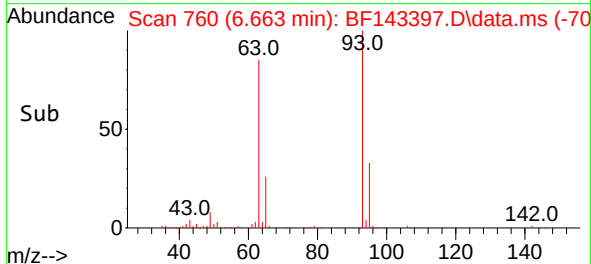
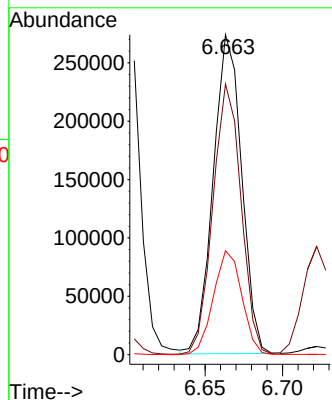
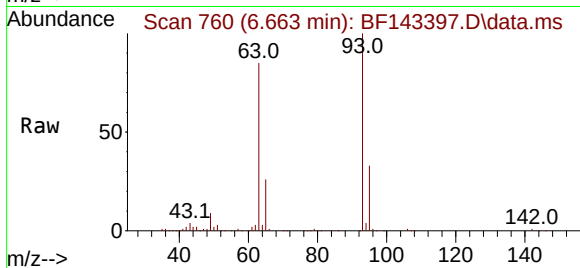
Tgt Ion: 93 Resp: 348679

Ion Ratio Lower Upper

93 100

63 84.6 65.7 105.7

95 32.5 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 35.839 ng

RT: 6.875 min Scan# 796

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

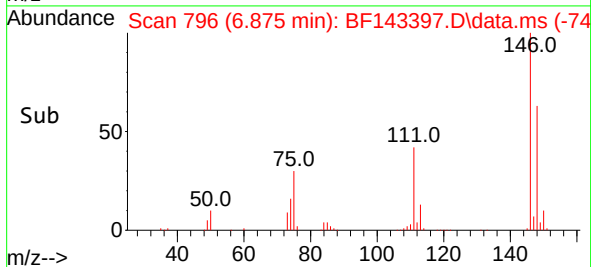
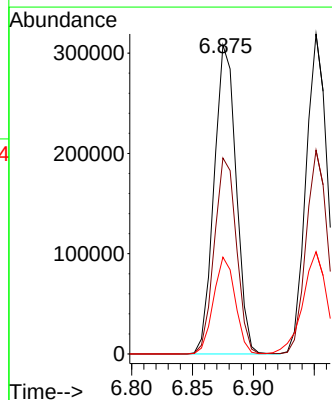
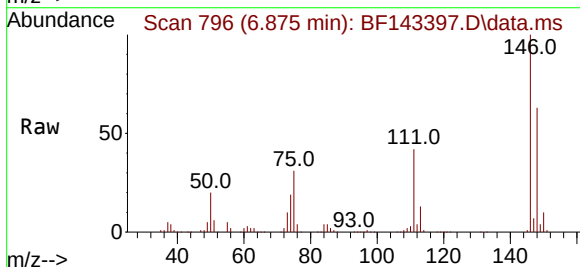
Tgt Ion: 146 Resp: 388534

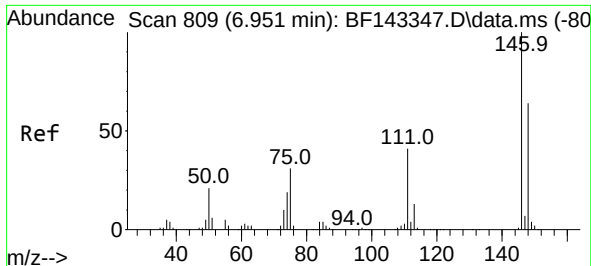
Ion Ratio Lower Upper

146 100

148 63.4 50.5 75.7

75 31.3 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 35.936 ng

RT: 6.951 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

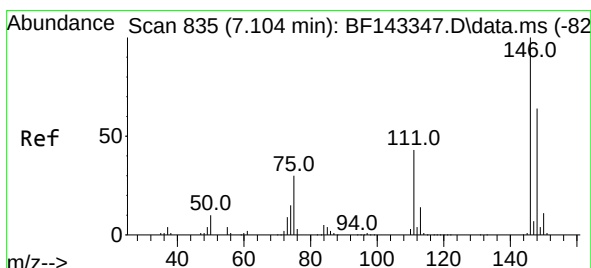
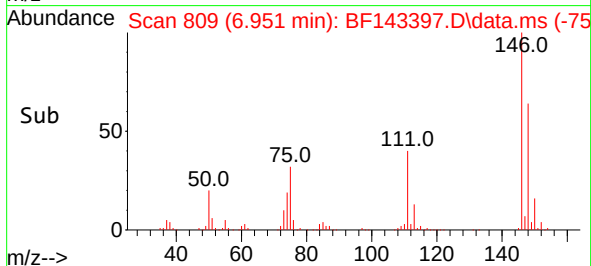
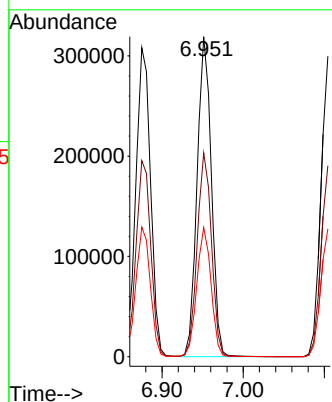
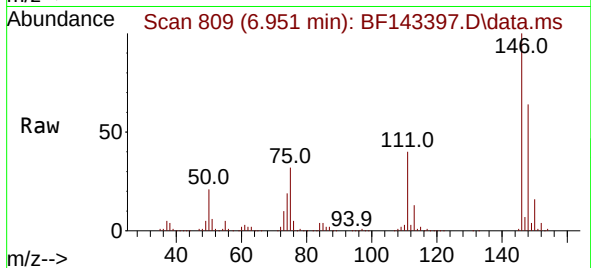
Tgt Ion:146 Resp: 391006

Ion Ratio Lower Upper

146 100

148 63.7 51.4 77.0

111 40.4 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 35.880 ng

RT: 7.104 min Scan# 835

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

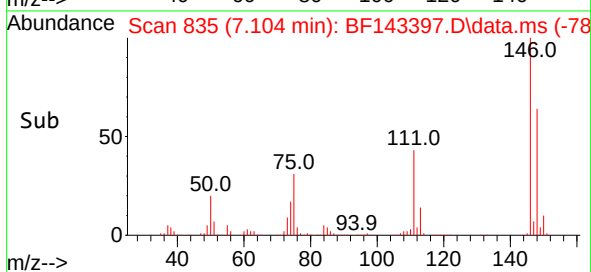
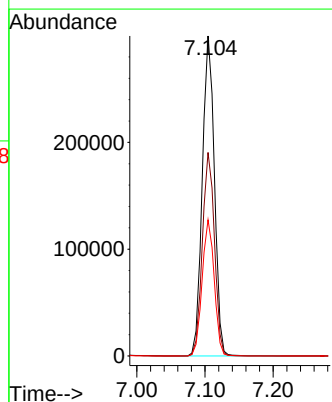
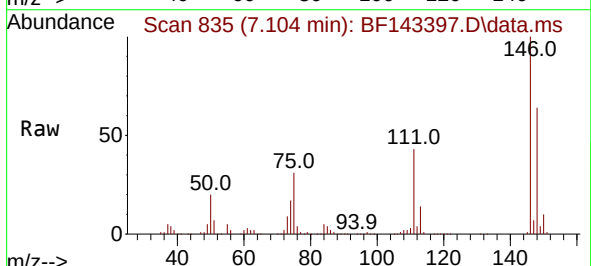
Tgt Ion:146 Resp: 370583

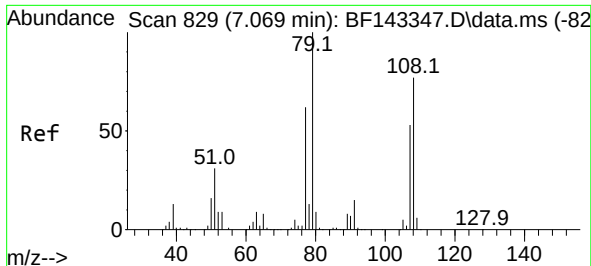
Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.2

111 42.6 34.1 51.1

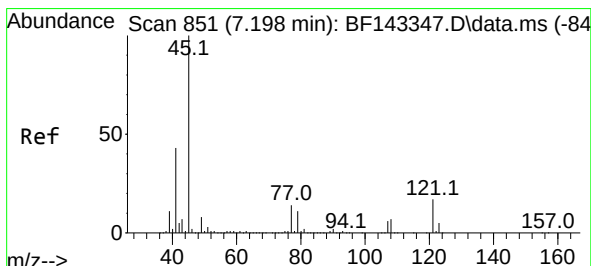
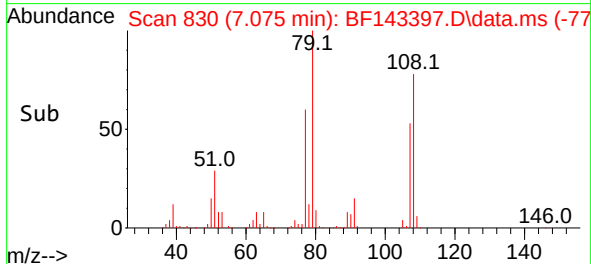
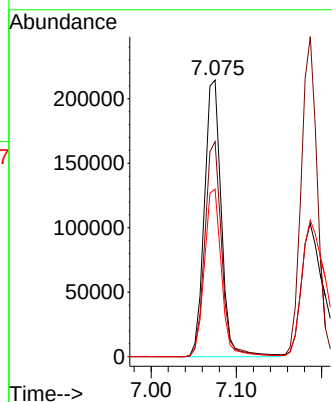
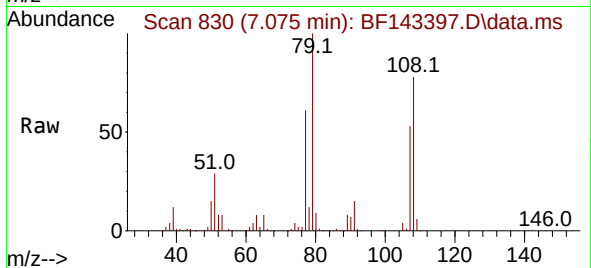




#15
Benzyl Alcohol
Concen: 36.604 ng
RT: 7.075 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

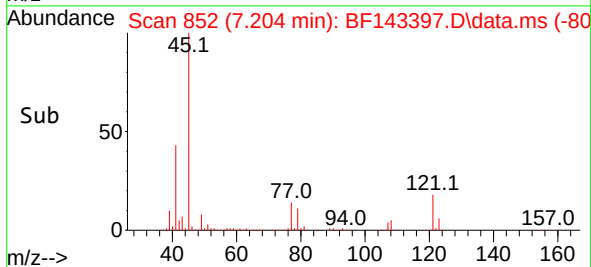
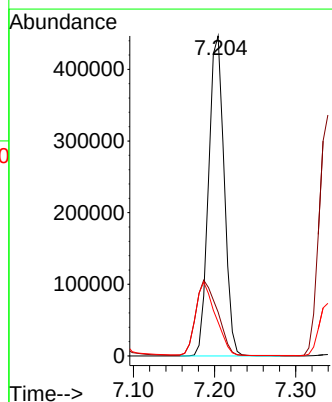
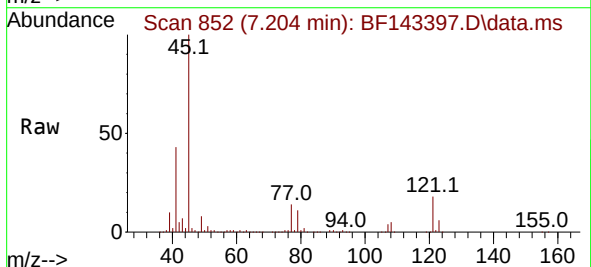
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

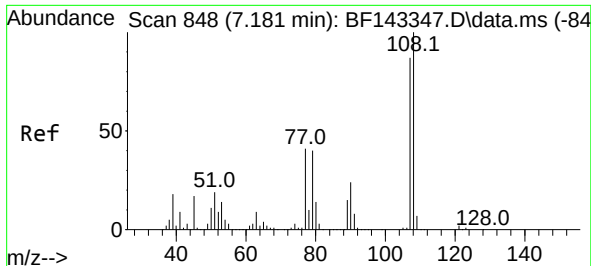
Tgt Ion:	79	Resp:	295961
Ion Ratio	Lower	Upper	
79	100		
108	77.7	61.5	92.3
77	60.5	49.8	74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.764 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

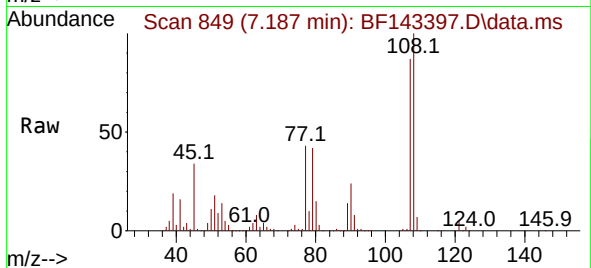
Tgt Ion:	45	Resp:	593645
Ion Ratio	Lower	Upper	
45	100		
77	13.7	0.0	34.0
79	10.6	0.0	31.1



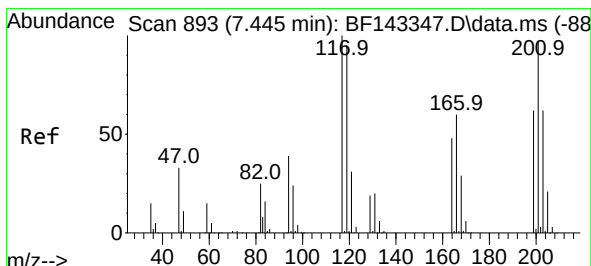
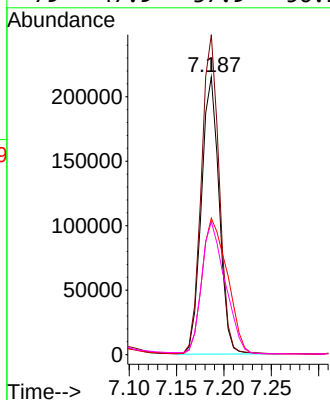
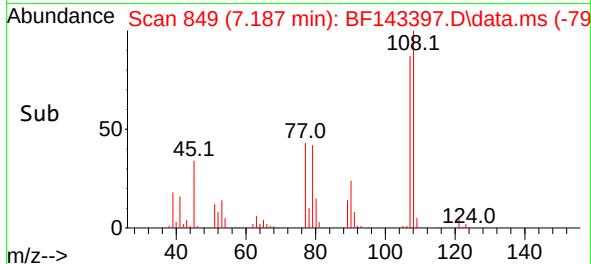


#17
2-Methylphenol
Concen: 35.456 ng
RT: 7.187 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

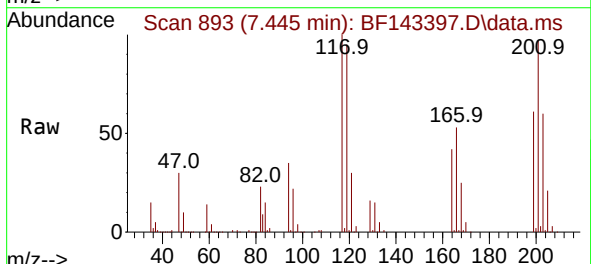
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



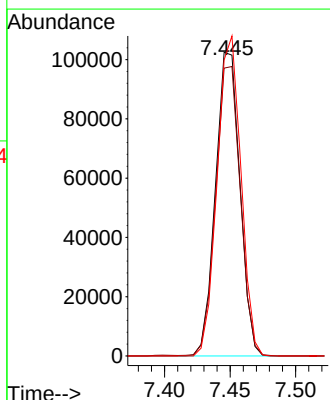
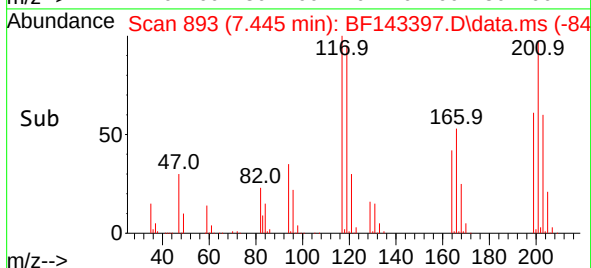
Tgt Ion:	107	Resp:	281294
Ion	Ratio	Lower	Upper
107	100		
108	115.2	92.0	138.0
77	49.1	38.2	57.2
79	47.9	37.9	56.9

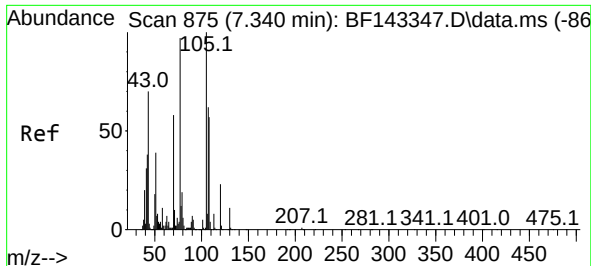


#18
Hexachloroethane
Concen: 38.942 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion:	117	Resp:	132838
Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	97.5	77.2	115.8



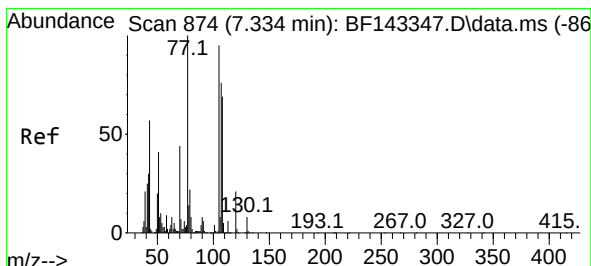
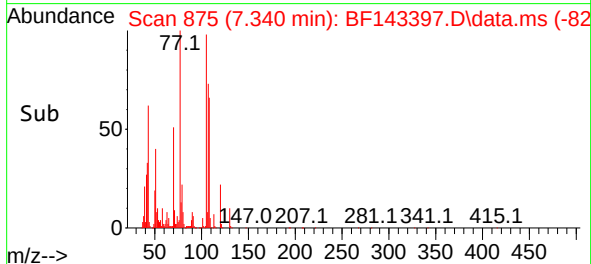
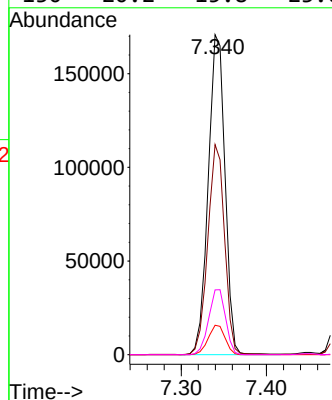
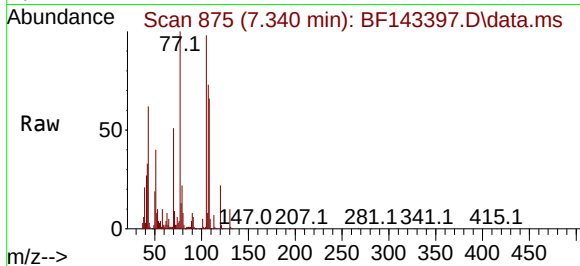


#19
n-Nitroso-di-n-propylamine
Concen: 33.566 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 233943

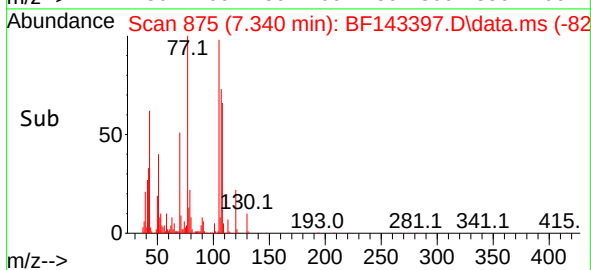
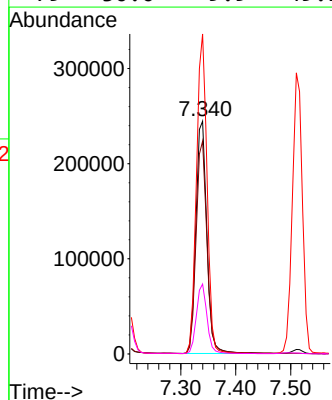
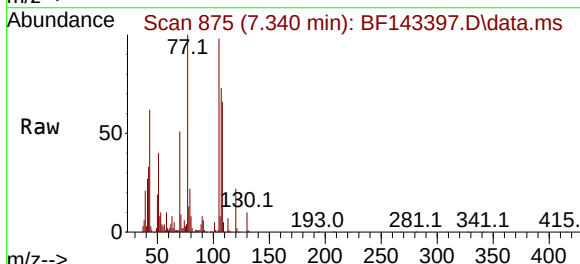
Ion	Ratio	Lower	Upper
70	100		
42	65.7	51.6	77.4
101	9.2	7.5	11.3
130	20.2	15.8	23.6

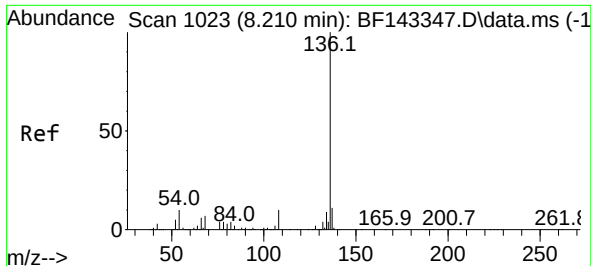


#20
3+4-Methylphenols
Concen: 35.190 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 107 Resp: 337641

Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.6	110.6
77	137.5	112.0	152.0
79	30.0	9.9	49.9

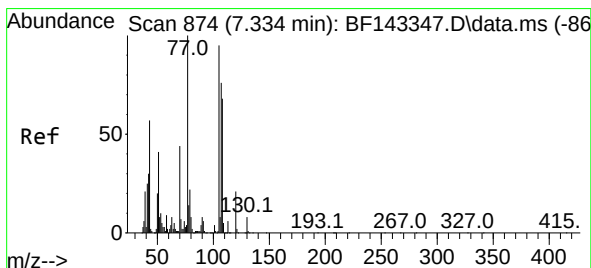
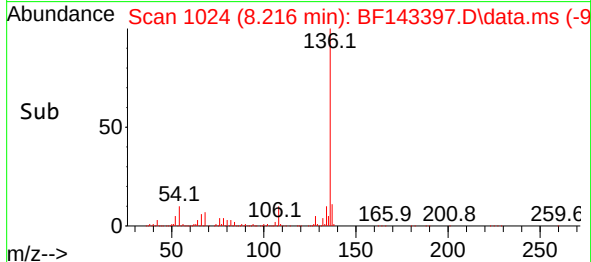
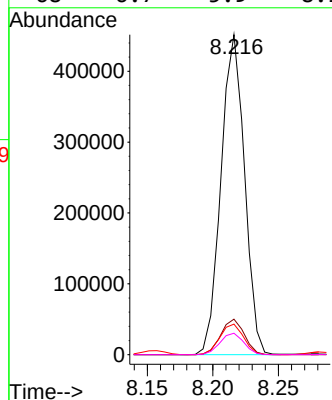
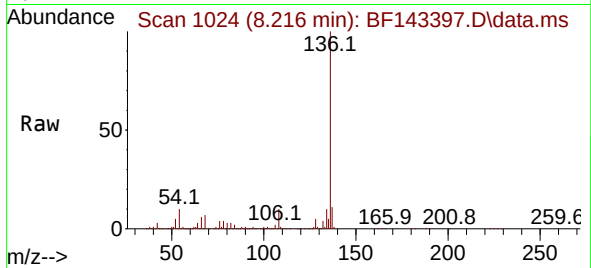




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

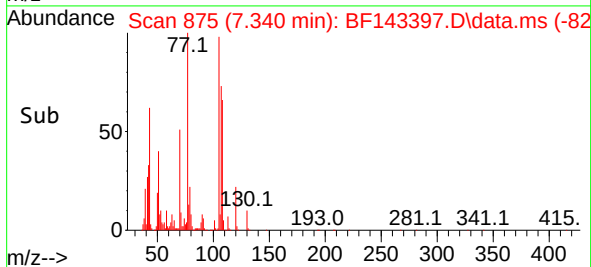
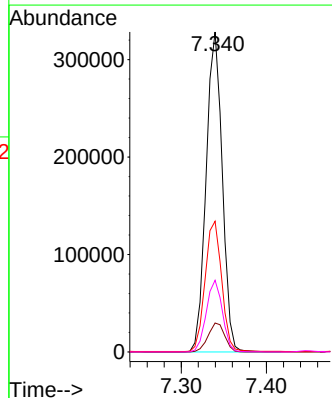
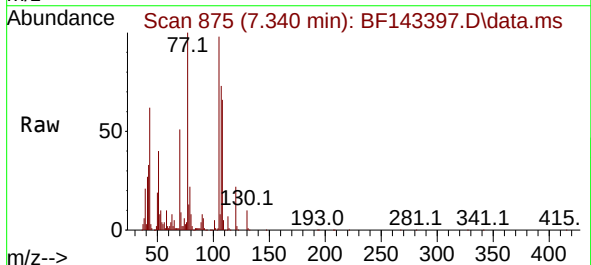
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

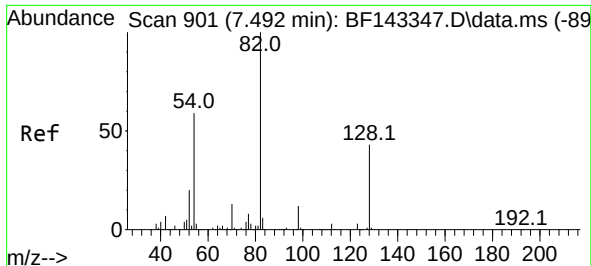
Tgt Ion:136	Resp: 563232
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 9.6	8.4 12.6
68 6.7	5.9 8.9



#22
Acetophenone
Concen: 34.852 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt	Ion:105	Resp:	432509
Ion	Ratio	Lower	Upper
105	100		
71	9.0	6.2	9.4
51	40.9	34.8	52.2
120	22.4	17.9	26.9





#23

Nitrobenzene-d5

Concen: 77.681 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

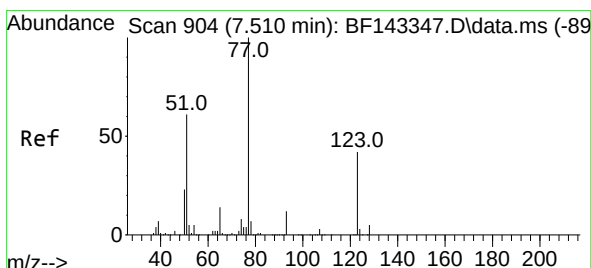
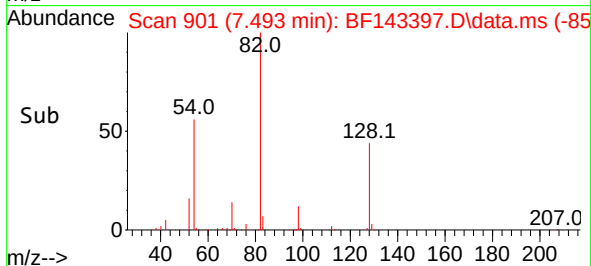
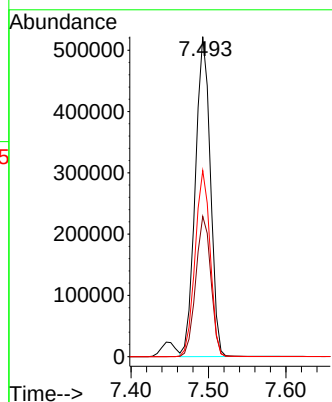
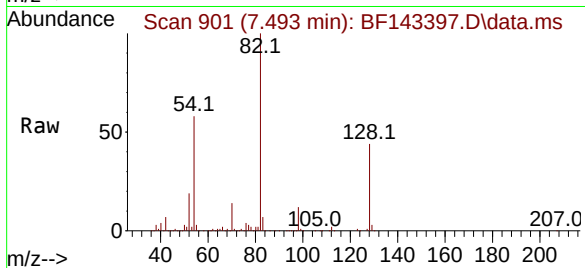
Tgt Ion: 82 Resp: 702587

Ion Ratio Lower Upper

82 100

128 43.9 33.5 50.3

54 58.2 46.7 70.1



#24

Nitrobenzene

Concen: 37.898 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

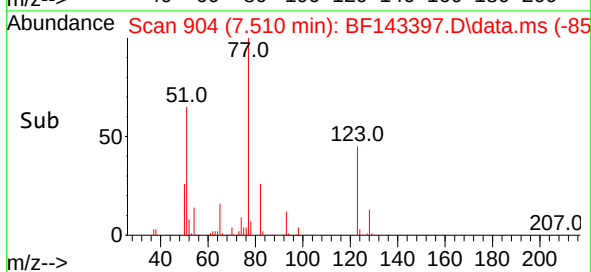
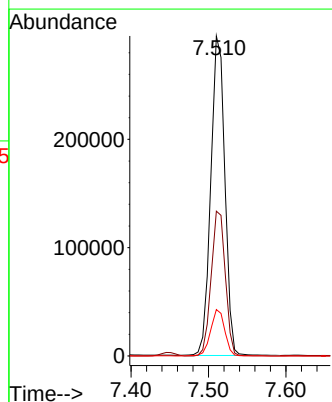
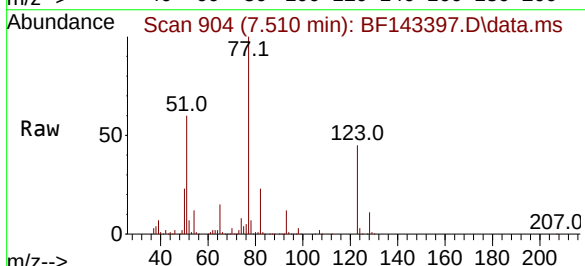
Tgt Ion: 77 Resp: 372258

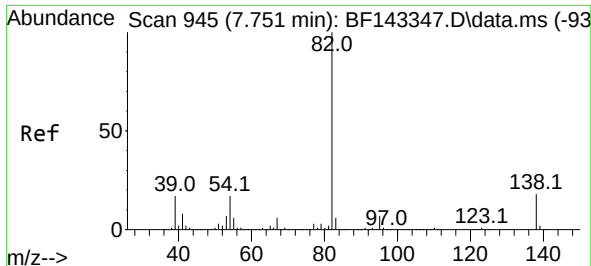
Ion Ratio Lower Upper

77 100

123 45.2 34.8 52.2

65 14.5 11.0 16.6

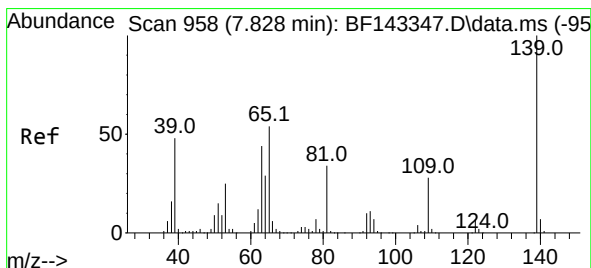
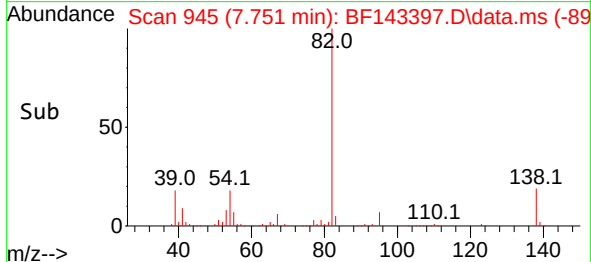
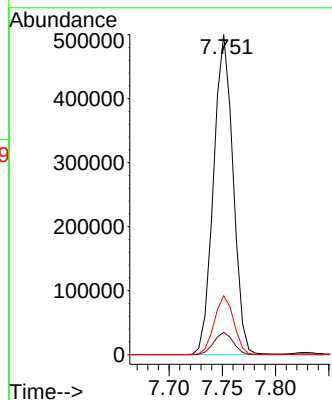
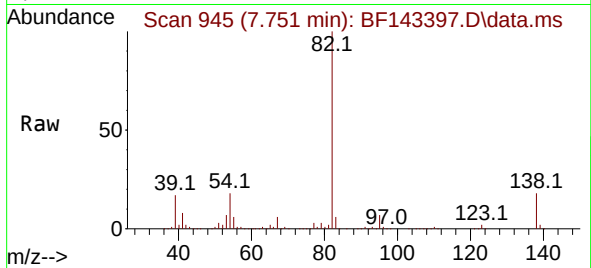




#25
Isophorone
Concen: 34.512 ng
RT: 7.751 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

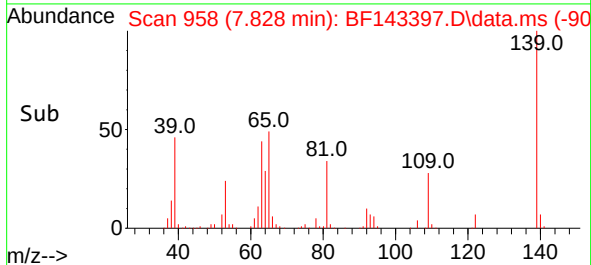
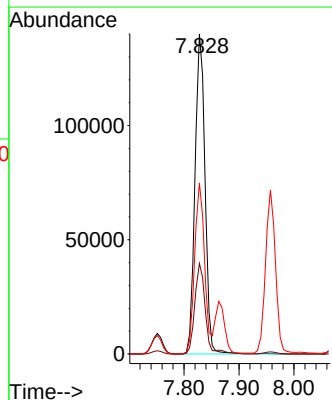
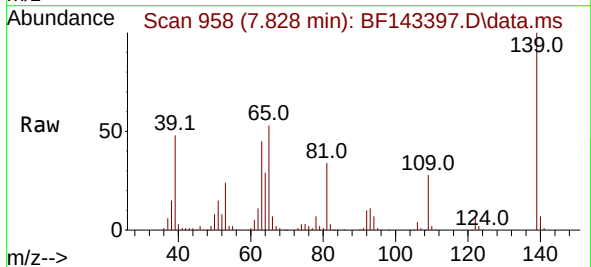
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

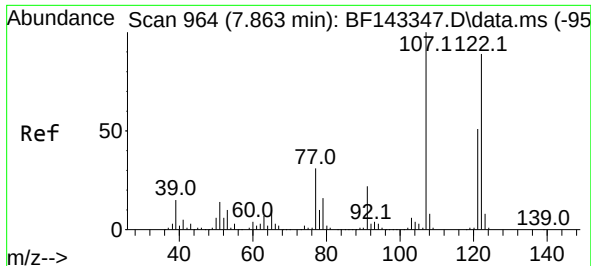
Tgt Ion: 82 Resp: 637222
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 18.4 14.6 21.8



#26
2-Nitrophenol
Concen: 45.217 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 139 Resp: 177089
Ion Ratio Lower Upper
139 100
109 28.3 22.4 33.6
65 53.4 42.9 64.3

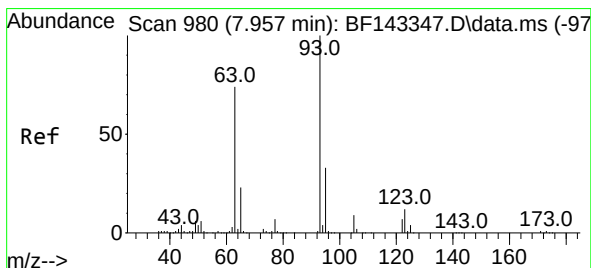
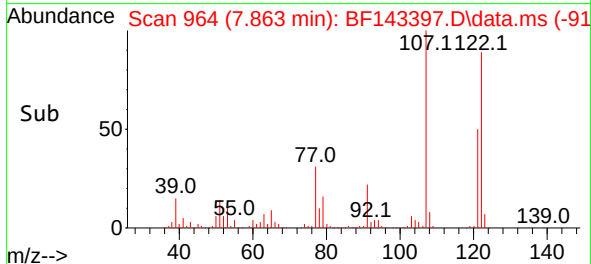
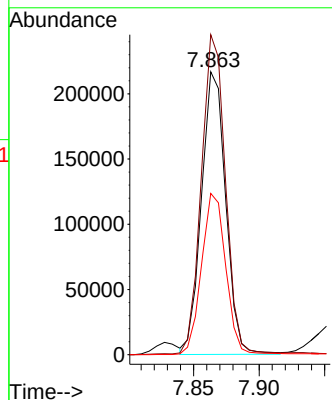
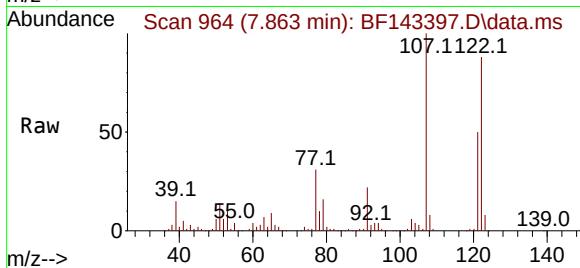




#27
2,4-Dimethylphenol
Concen: 36.232 ng
RT: 7.863 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

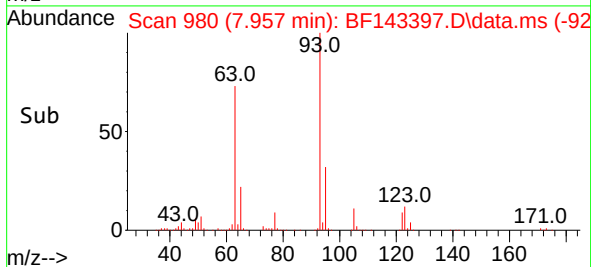
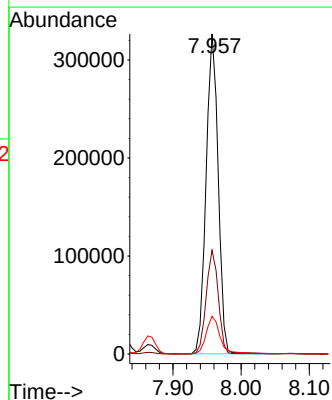
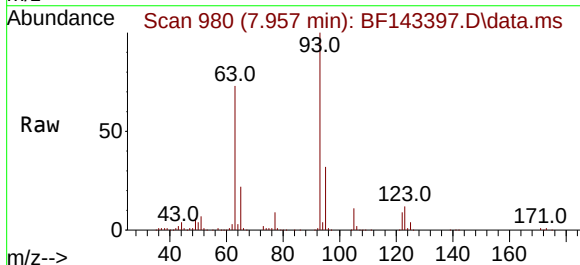
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

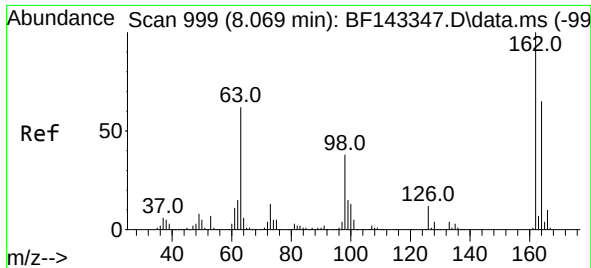
Tgt Ion:122 Resp: 279099
Ion Ratio Lower Upper
122 100
107 113.1 89.9 134.9
121 57.0 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 35.741 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

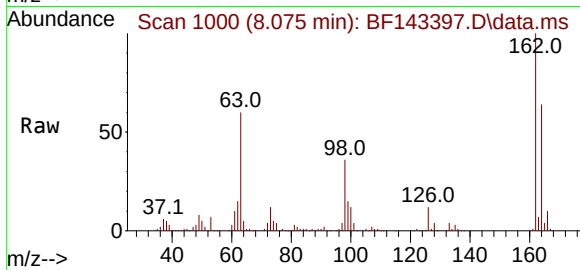
Tgt Ion: 93 Resp: 402907
Ion Ratio Lower Upper
93 100
95 32.4 26.2 39.4
123 11.8 9.4 14.2



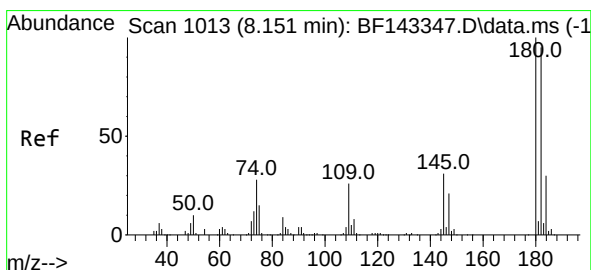
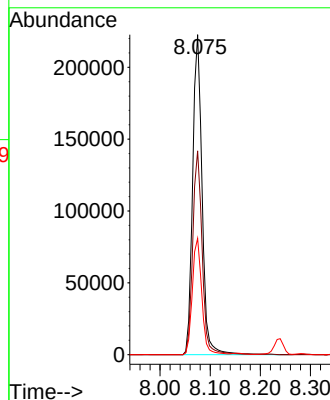
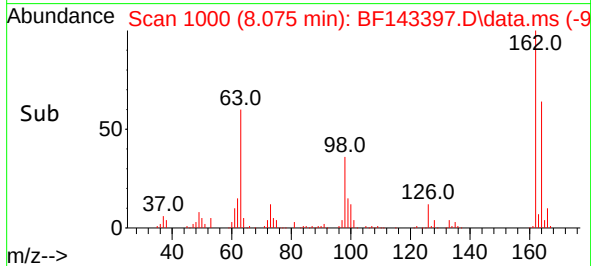


#29
2,4-Dichlorophenol
Concen: 38.587 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

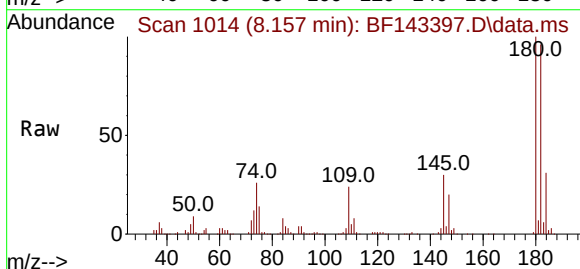
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



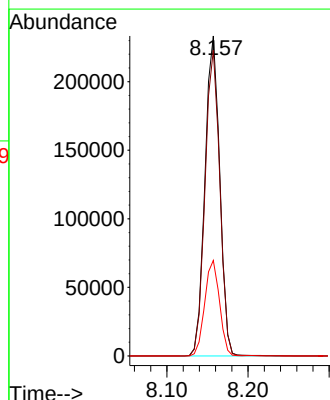
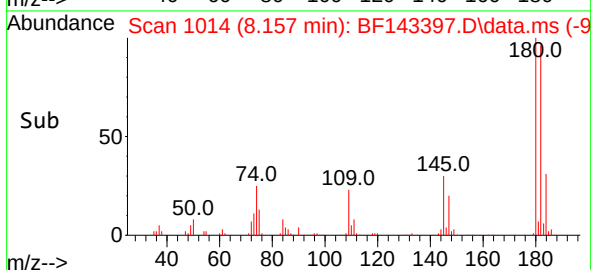
Tgt Ion:162 Resp: 290315
Ion Ratio Lower Upper
162 100
164 63.7 44.5 84.5
98 36.4 17.7 57.7

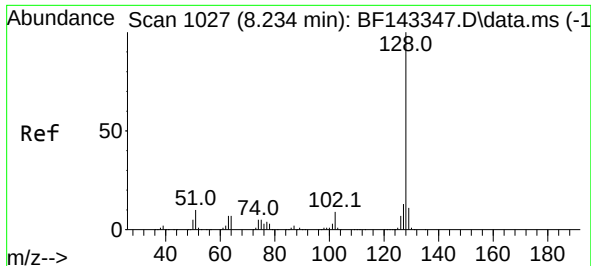


#30
1,2,4-Trichlorobenzene
Concen: 37.101 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion:180 Resp: 294443
Ion Ratio Lower Upper
180 100
182 95.5 76.1 114.1
145 29.8 24.9 37.3

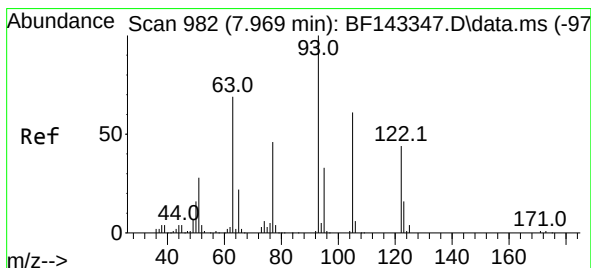
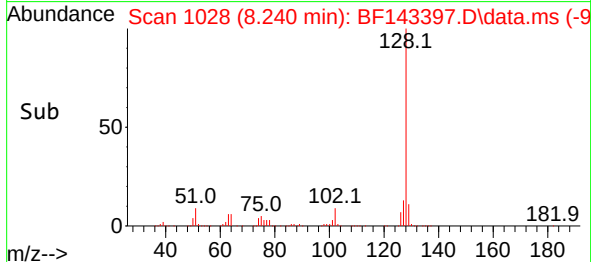
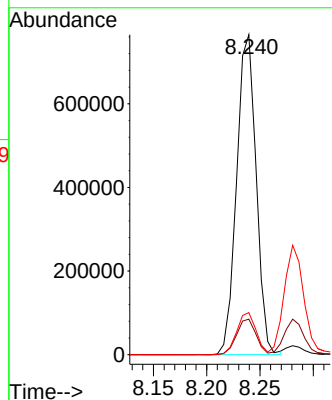
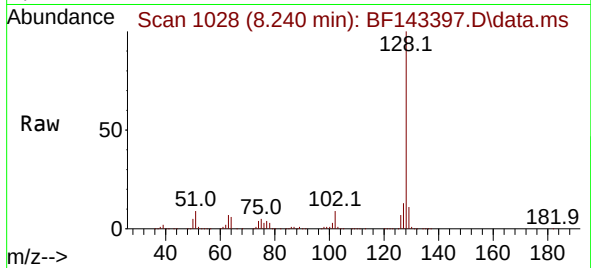




#31
Naphthalene
Concen: 35.988 ng
RT: 8.240 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

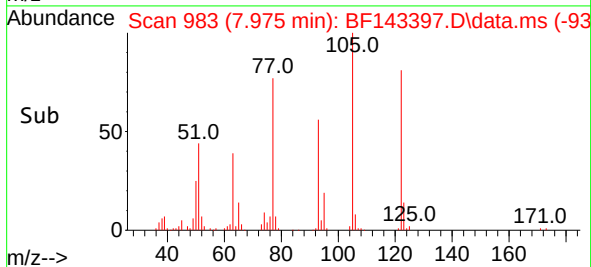
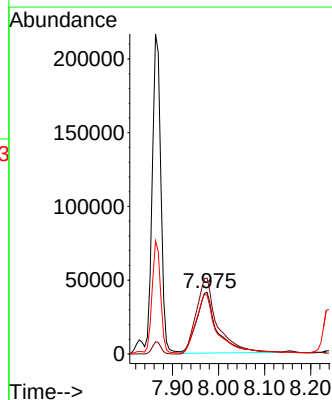
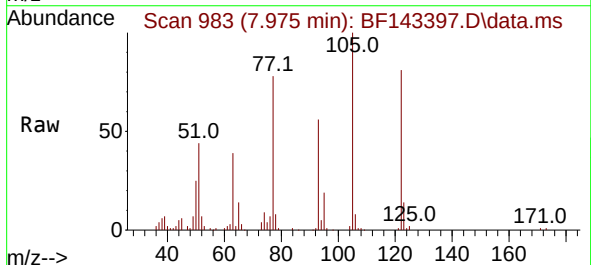
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

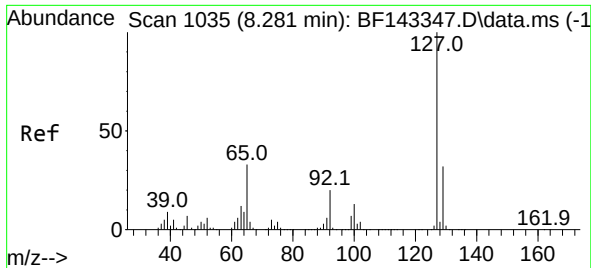
Tgt Ion:128 Resp: 975346
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.1 10.7 16.1



#32
Benzoic acid
Concen: 40.763 ng
RT: 7.975 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:122 Resp: 128968
Ion Ratio Lower Upper
122 100
105 123.1 106.4 146.4
77 95.5 79.2 119.2

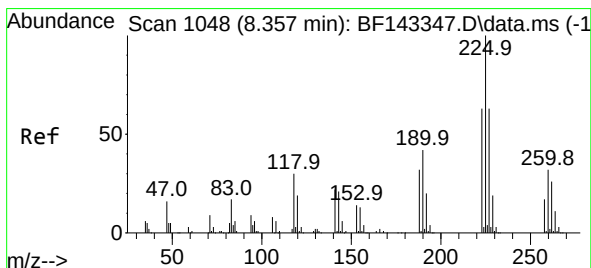
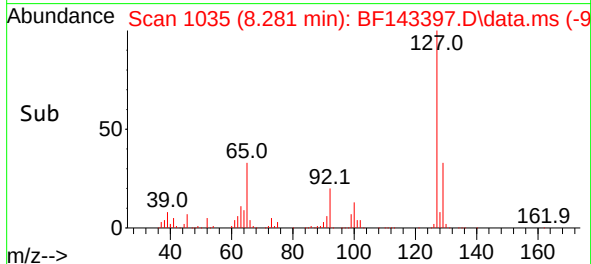
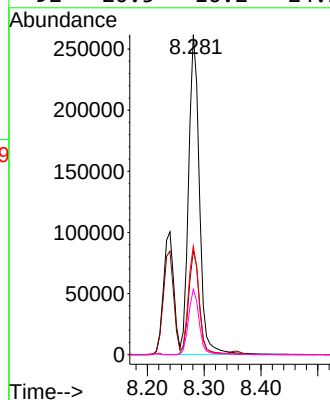
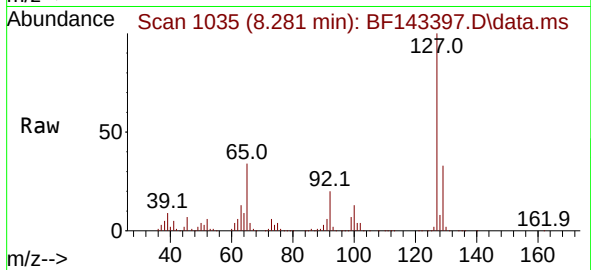




#33
4-Chloroaniline
Concen: 35.380 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

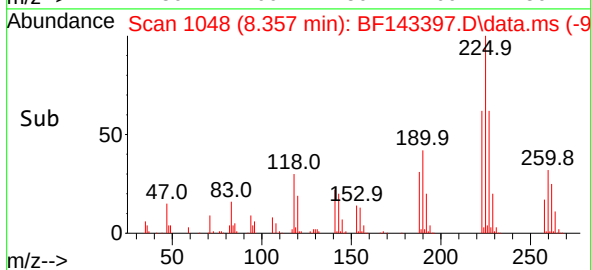
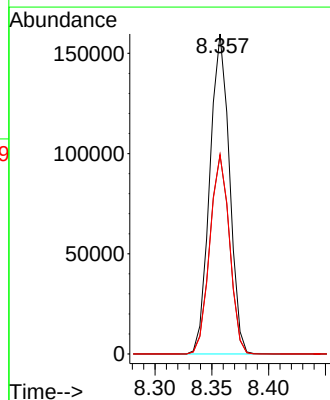
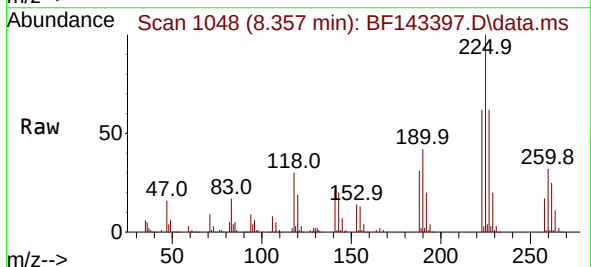
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

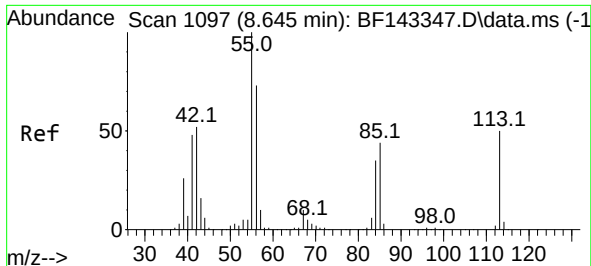
Tgt Ion:	127	Resp:	345847
Ion Ratio	Lower	Upper	
127	100		
129	32.5	26.0	39.0
65	34.0	27.0	40.4
92	20.5	16.2	24.2



#34
Hexachlorobutadiene
Concen: 38.848 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:	225	Resp:	191788
Ion Ratio	Lower	Upper	
225	100		
223	62.2	50.1	75.1
227	62.2	50.6	75.8

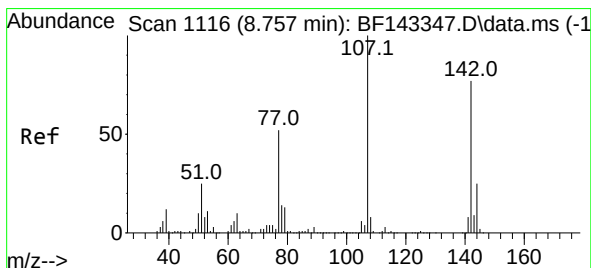
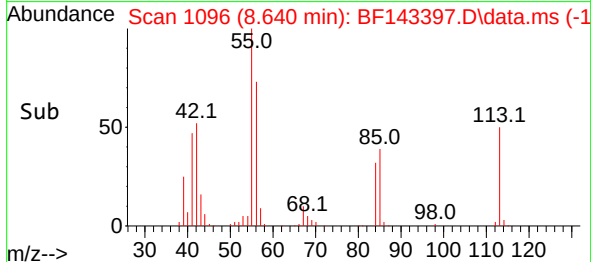
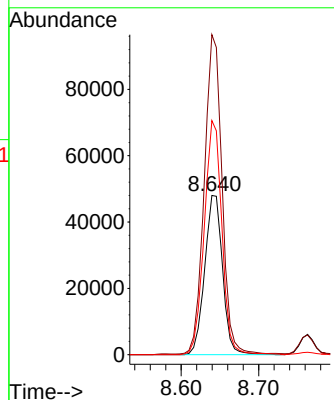
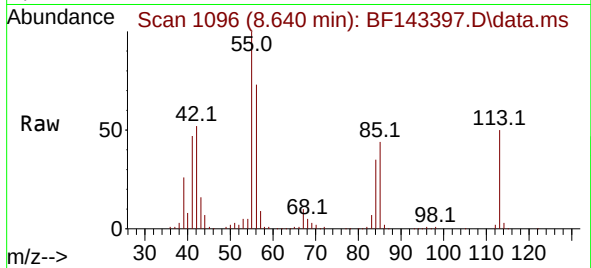




#35
Caprolactam
Concen: 36.300 ng
RT: 8.640 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

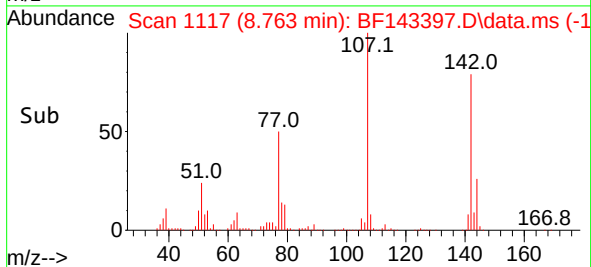
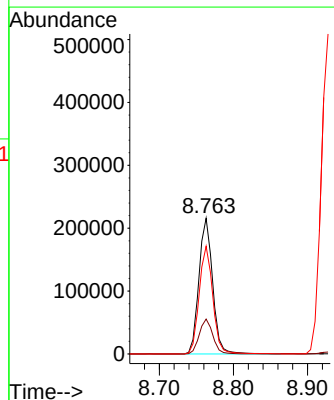
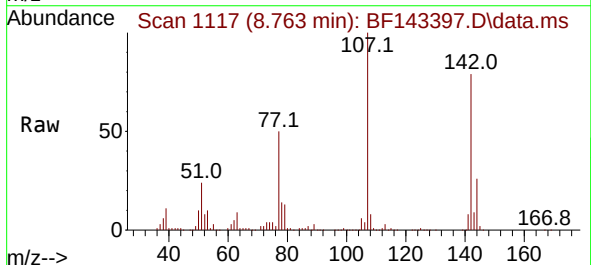
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

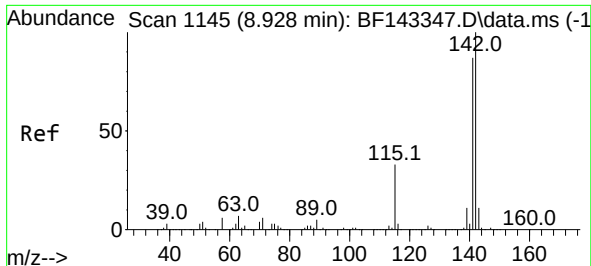
Tgt Ion:113 Resp: 76776
Ion Ratio Lower Upper
113 100
55 201.0 181.4 221.4
56 147.1 127.3 167.3



#36
4-Chloro-3-methylphenol
Concen: 35.367 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:107 Resp: 278956
Ion Ratio Lower Upper
107 100
144 25.7 20.0 30.0
142 79.4 61.3 91.9





#37

2-Methylnaphthalene

Concen: 35.329 ng

RT: 8.928 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

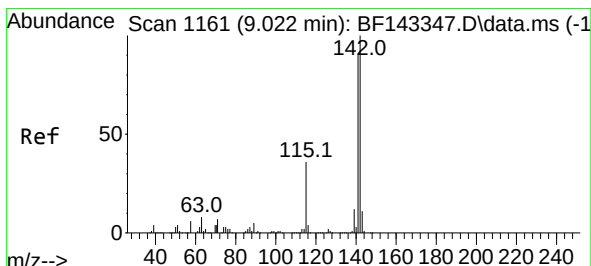
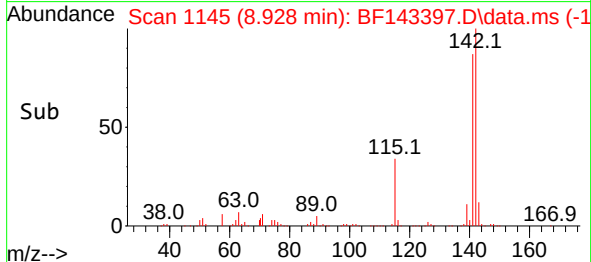
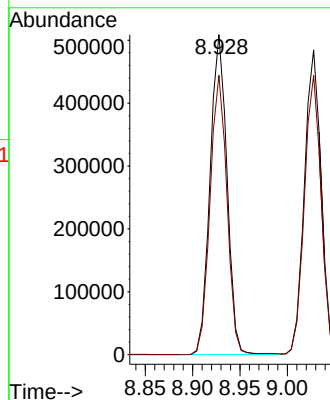
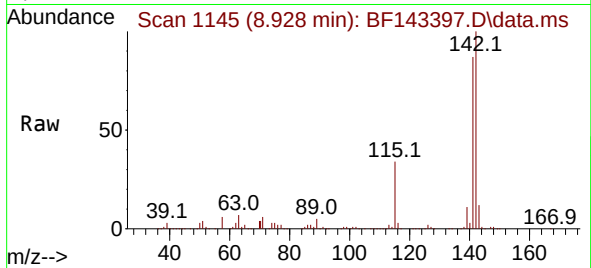
SSTDCCC040EC

Tgt Ion:142 Resp: 629467

Ion Ratio Lower Upper

142 100

141 87.3 69.8 104.8



#38

1-Methylnaphthalene

Concen: 34.624 ng

RT: 9.028 min Scan# 1162

Delta R.T. 0.006 min

Lab File: BF143397.D

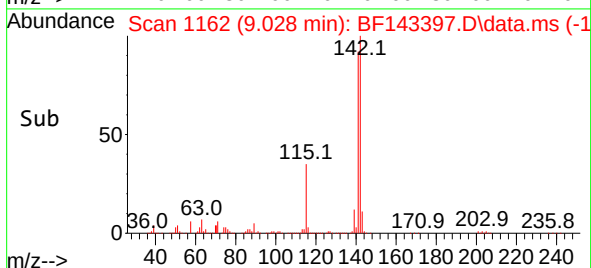
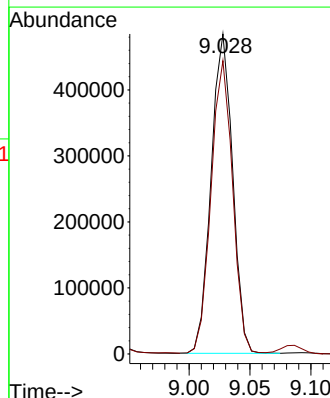
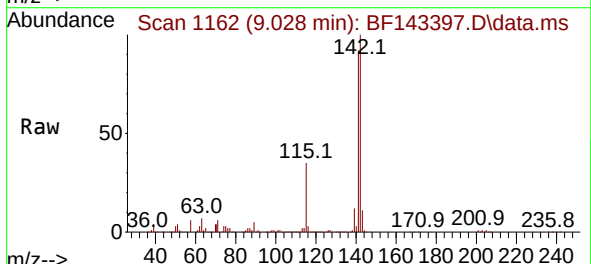
Acq: 14 Aug 2025 22:56

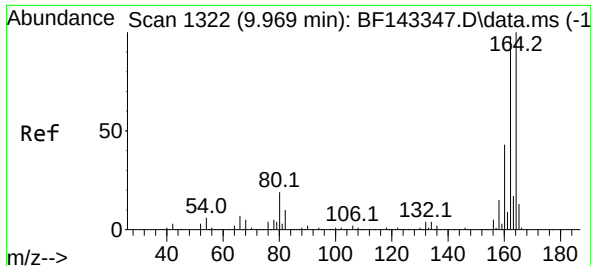
Tgt Ion:142 Resp: 594152

Ion Ratio Lower Upper

142 100

141 91.7 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143397.D

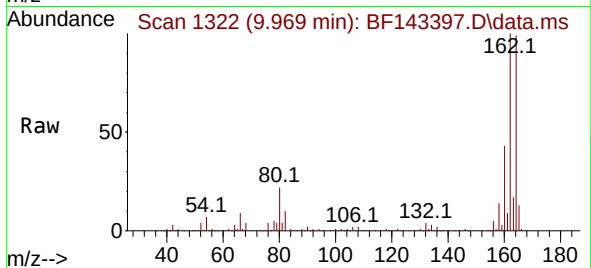
Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



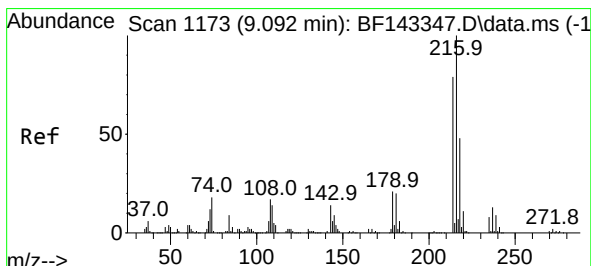
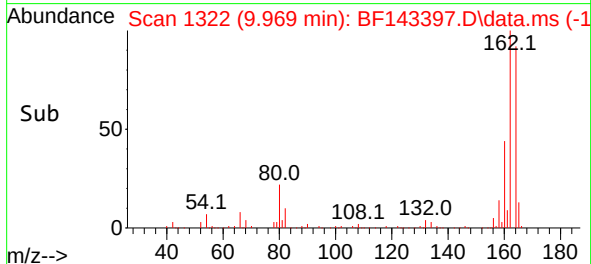
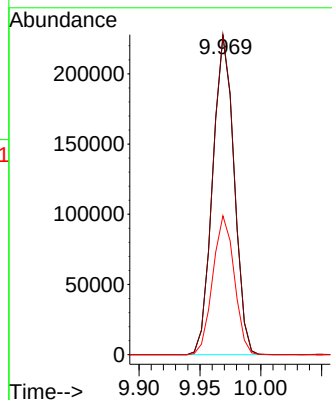
Tgt Ion:164 Resp: 277841

Ion Ratio Lower Upper

164 100

162 100.5 78.6 118.0

160 43.6 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.695 ng

RT: 9.098 min Scan# 1174

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Tgt Ion:216 Resp: 294195

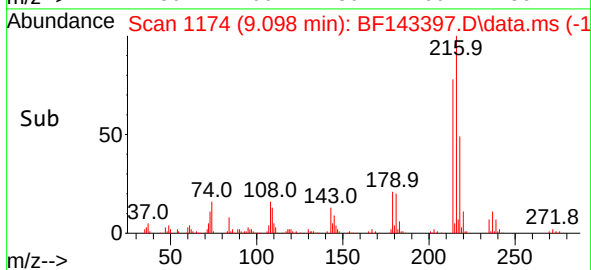
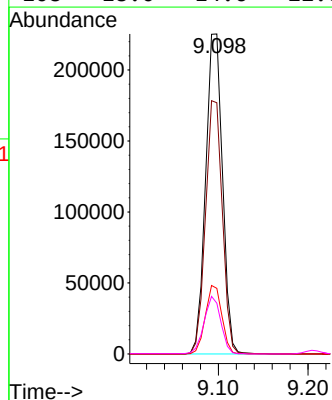
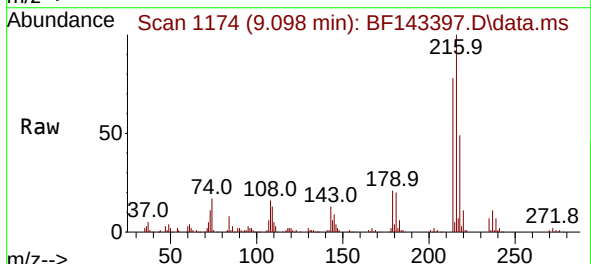
Ion Ratio Lower Upper

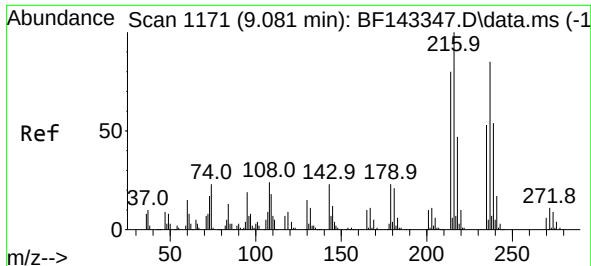
216 100

214 78.8 63.0 94.4

179 20.9 17.0 25.4

108 18.0 14.6 22.0

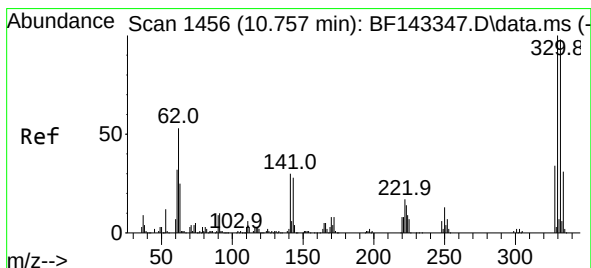
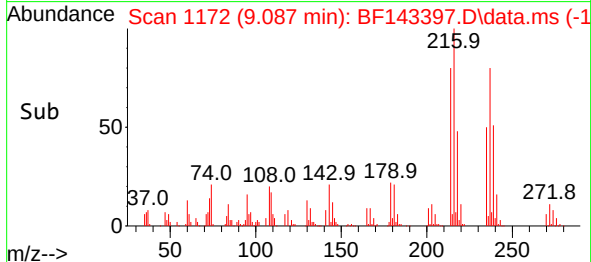
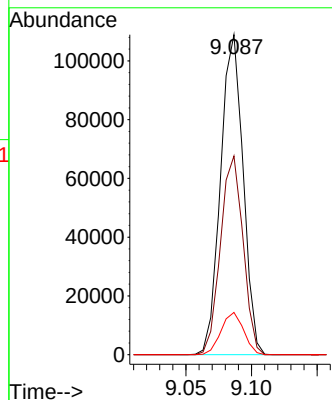
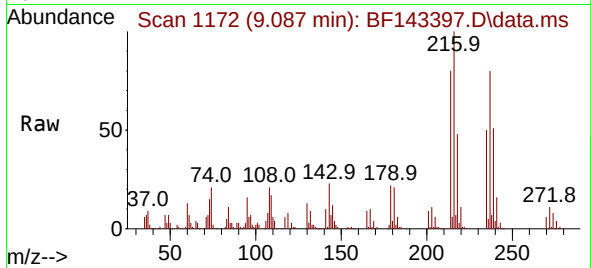




#41
Hexachlorocyclopentadiene
Concen: 51.058 ng
RT: 9.087 min Scan# 1171
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

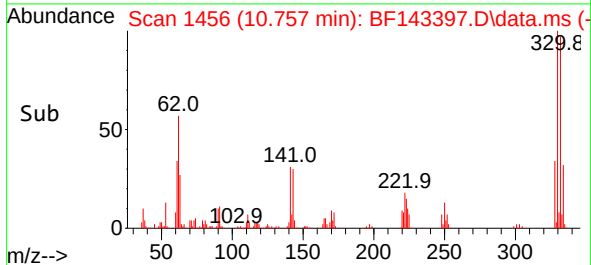
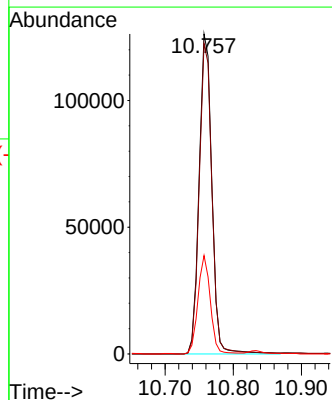
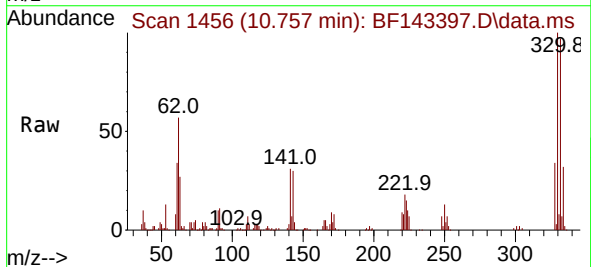
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

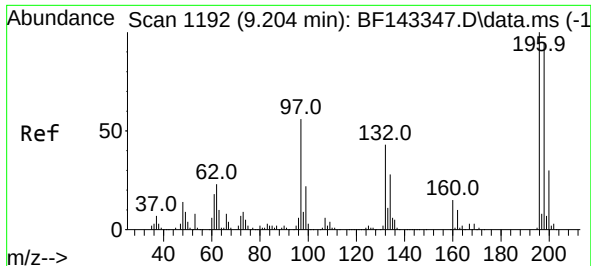
Tgt Ion:237	Resp:	129924
Ion	Ratio	Lower Upper
237	100	
235	62.1	42.0 82.0
272	13.2	0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 80.730 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

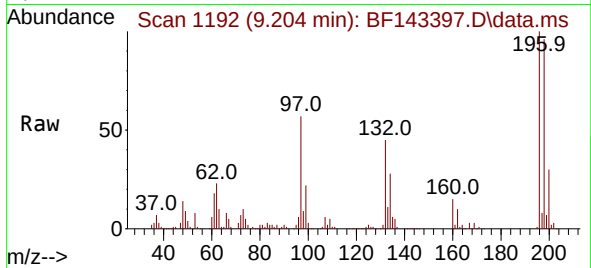
Tgt Ion:330	Resp:	163924
Ion	Ratio	Lower Upper
330	100	
332	96.9	78.1 117.1
141	29.9	25.4 38.0



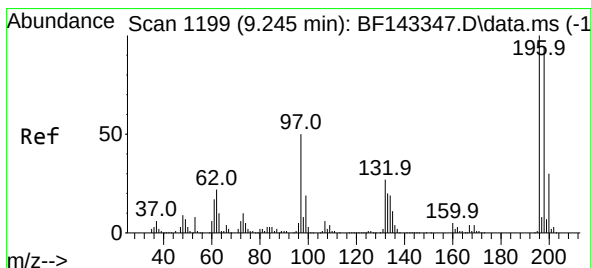
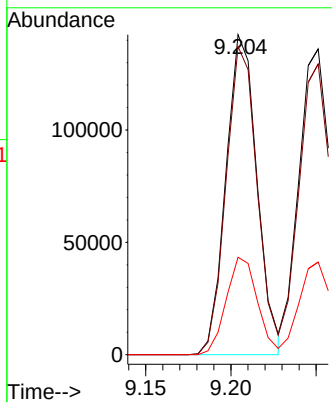
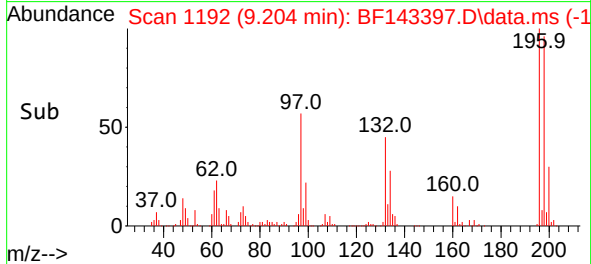


#43
2,4,6-Trichlorophenol
Concen: 41.879 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

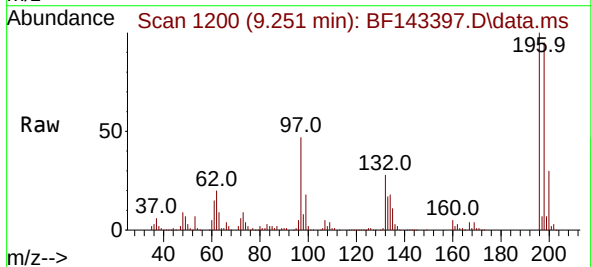
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



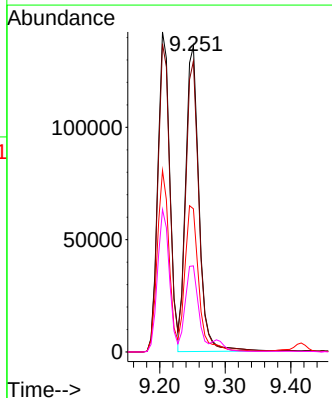
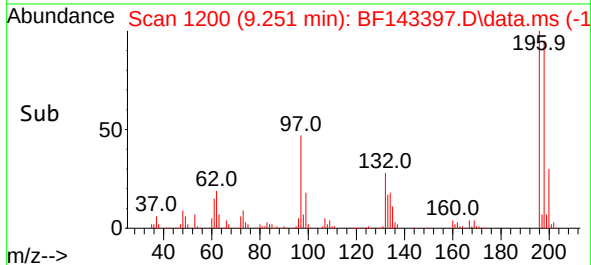
Tgt Ion:196 Resp: 180656
Ion Ratio Lower Upper
196 100
198 96.3 75.4 113.0
200 30.5 24.3 36.5

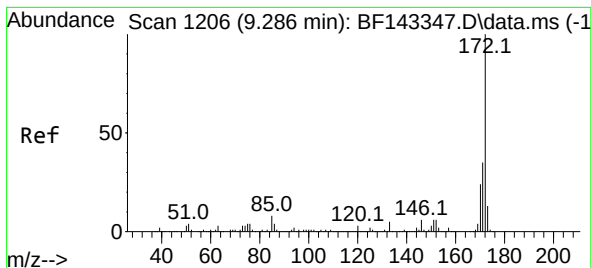


#44
2,4,5-Trichlorophenol
Concen: 39.313 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion:196 Resp: 191510
Ion Ratio Lower Upper
196 100
198 95.1 75.4 113.2
97 46.8 39.9 59.9
132 28.1 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 74.656 ng

RT: 9.287 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDC040EC

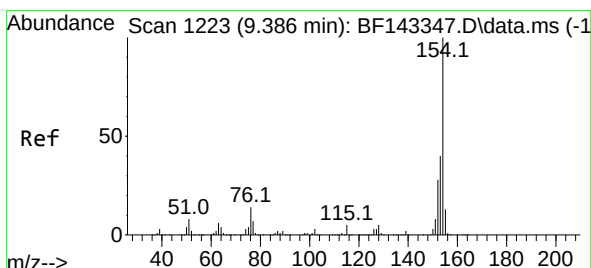
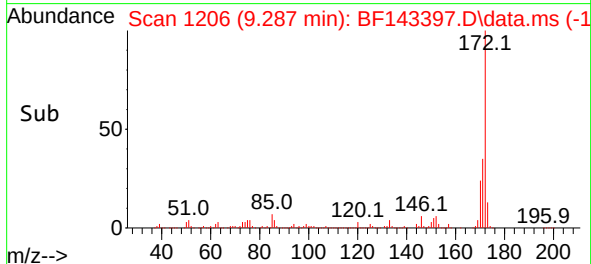
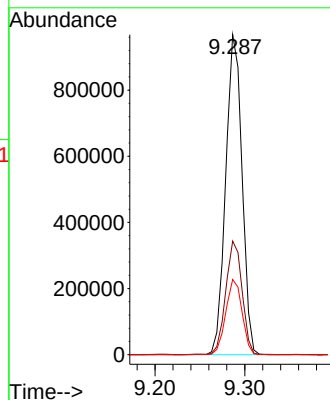
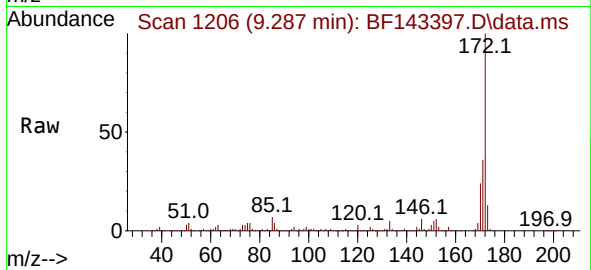
Tgt Ion:172 Resp: 1223203

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.5 19.1 28.7



#46

1,1'-Biphenyl

Concen: 37.371 ng

RT: 9.392 min Scan# 1224

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

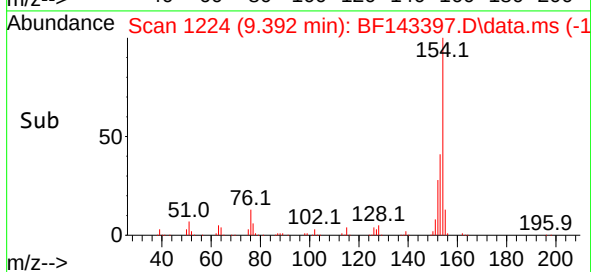
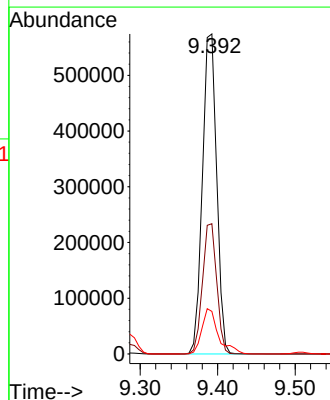
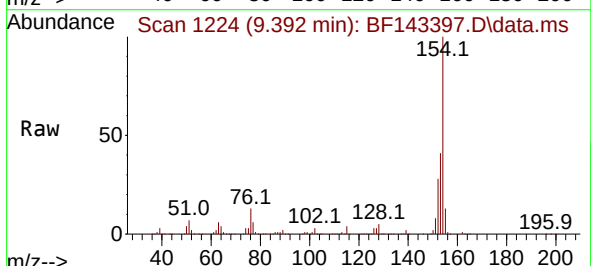
Tgt Ion:154 Resp: 734155

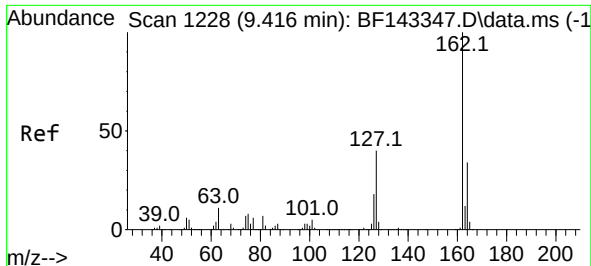
Ion Ratio Lower Upper

154 100

153 40.7 20.2 60.2

76 13.3 0.0 34.4





#47

2-Chloronaphthalene

Concen: 37.462 ng

RT: 9.416 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

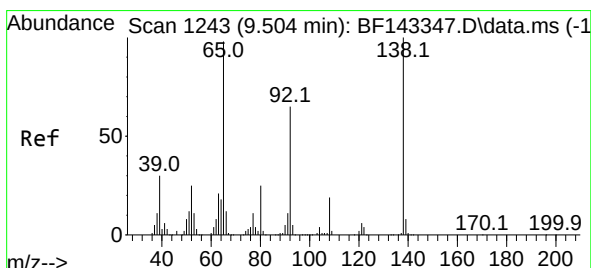
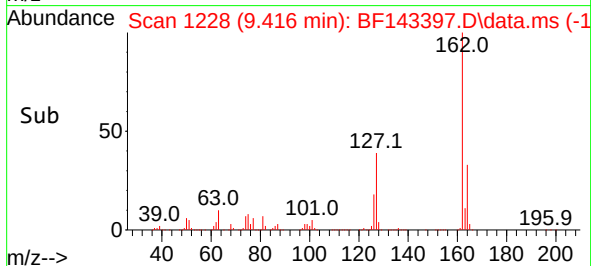
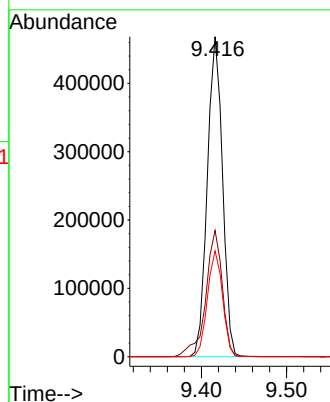
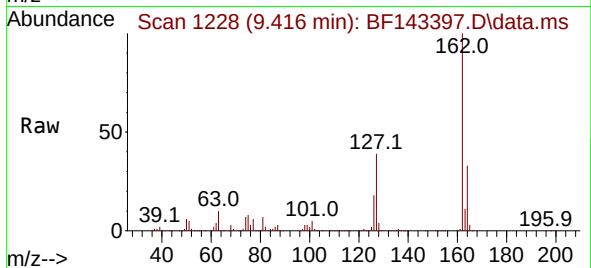
Tgt Ion:162 Resp: 579598

Ion Ratio Lower Upper

162 100

127 39.5 32.1 48.1

164 33.0 27.0 40.4



#48

2-Nitroaniline

Concen: 38.817 ng

RT: 9.510 min Scan# 1244

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

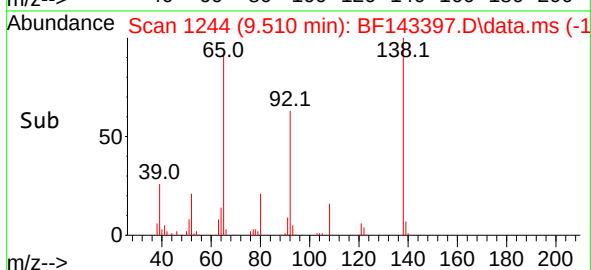
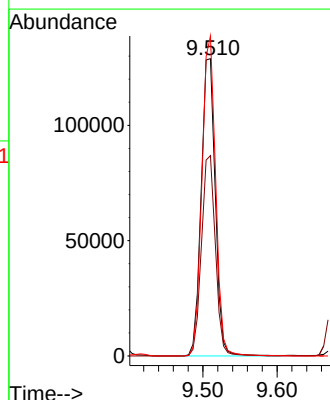
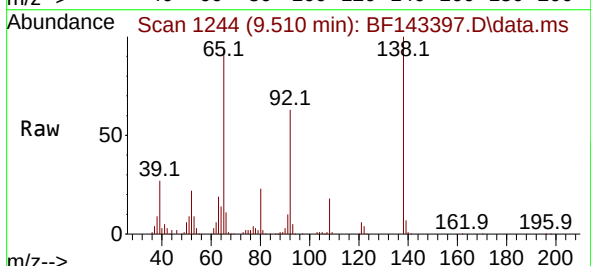
Tgt Ion: 65 Resp: 170708

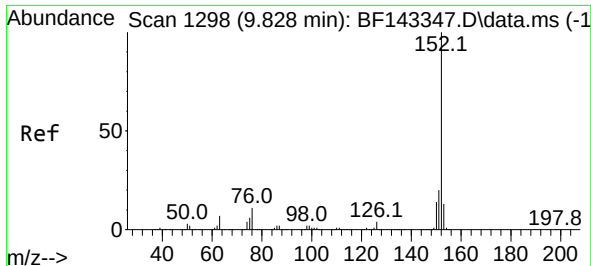
Ion Ratio Lower Upper

65 100

92 67.4 53.1 79.7

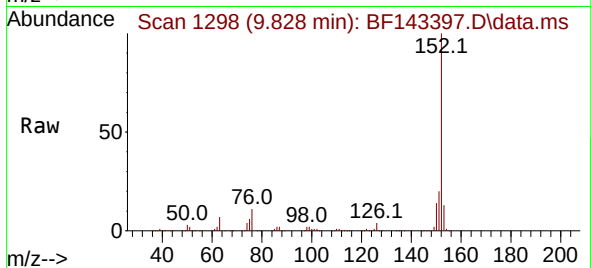
138 107.6 81.4 122.0



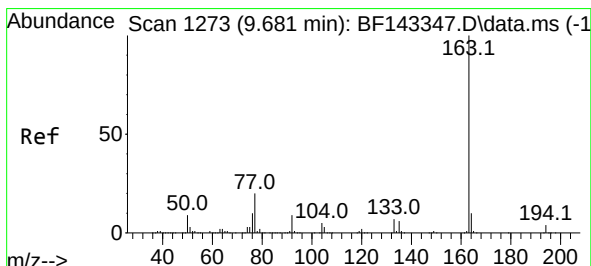
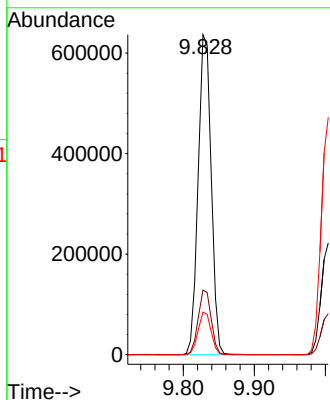
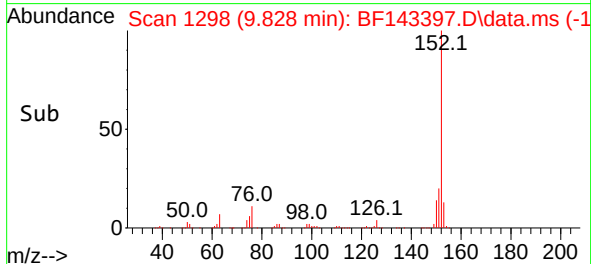


#49
Acenaphthylene
Concen: 36.573 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

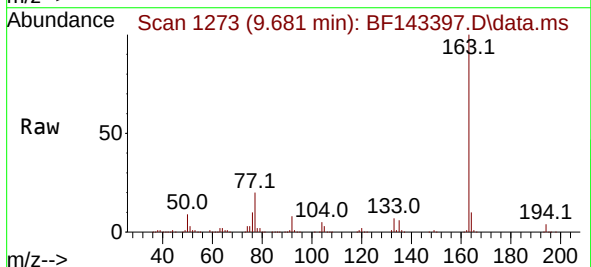
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



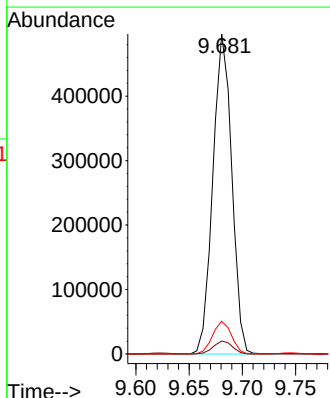
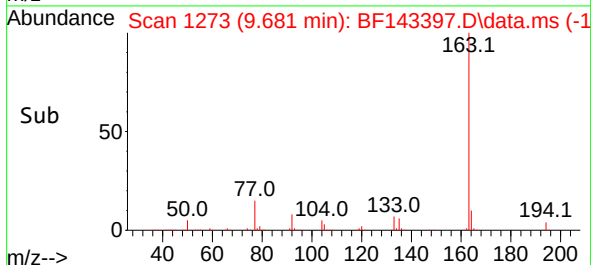
Tgt Ion:152 Resp: 817159
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.3 10.6 16.0

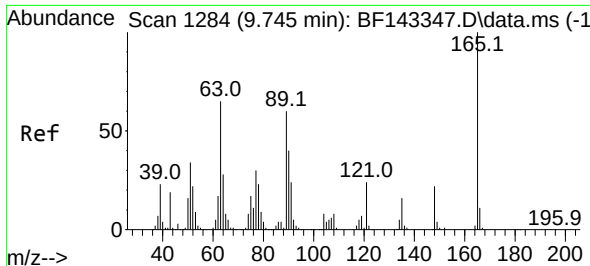


#50
Dimethylphthalate
Concen: 37.666 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56



Tgt Ion:163 Resp: 611502
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.2 8.2 12.2

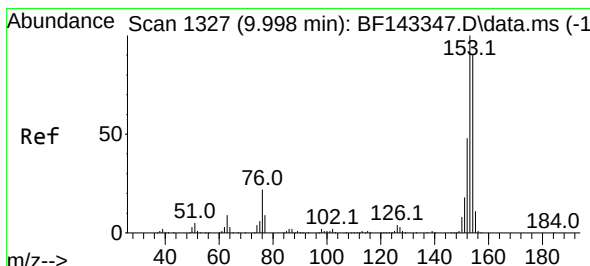
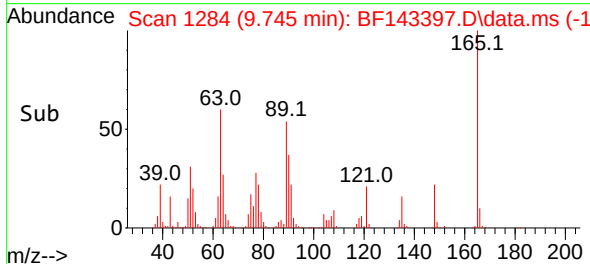
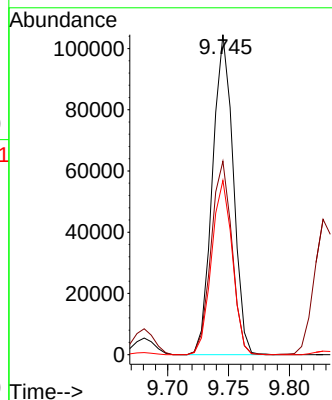
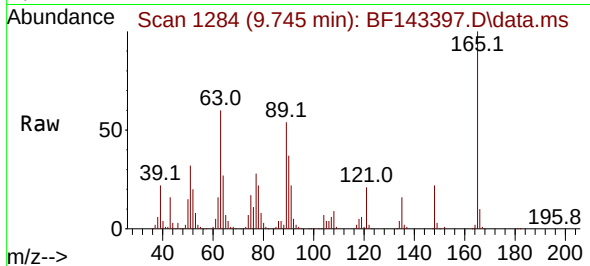




#51
2,6-Dinitrotoluene
Concen: 40.788 ng
RT: 9.745 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

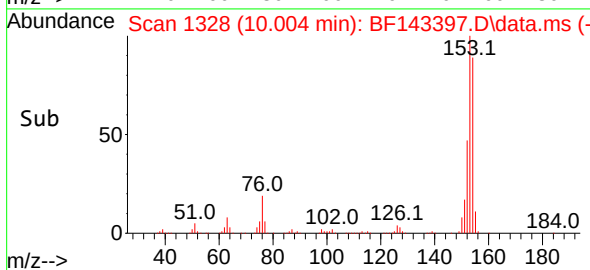
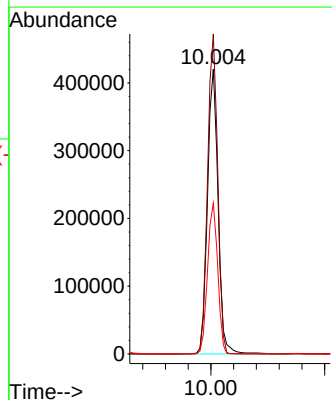
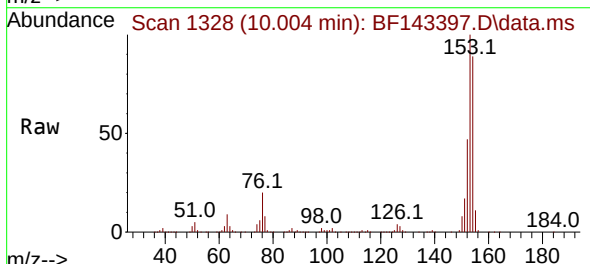
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

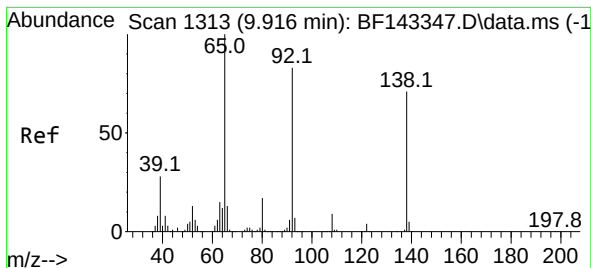
Tgt Ion:165 Resp: 123848
Ion Ratio Lower Upper
165 100
63 60.5 51.6 77.4
89 54.4 47.7 71.5



#52
Acenaphthene
Concen: 36.423 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:154 Resp: 541033
Ion Ratio Lower Upper
154 100
153 112.3 88.5 132.7
152 52.9 42.4 63.6

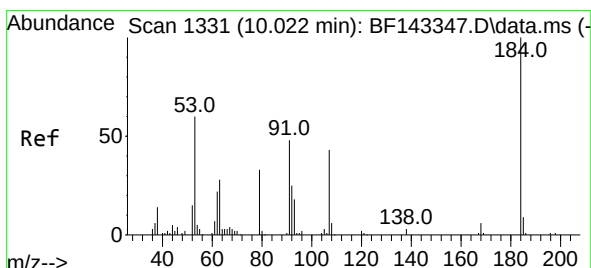
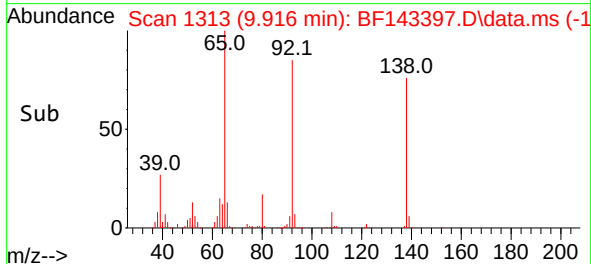
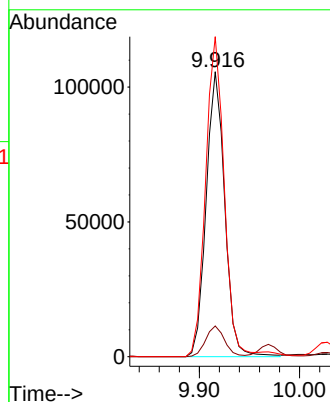
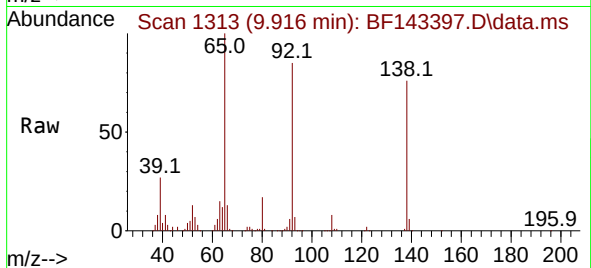




#53
3-Nitroaniline
Concen: 41.020 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

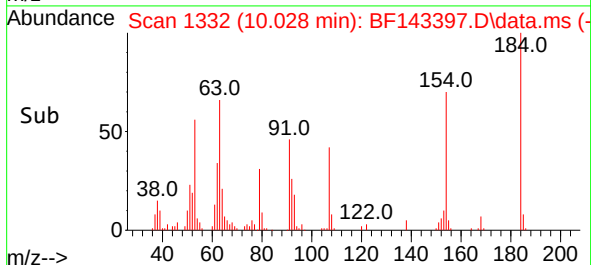
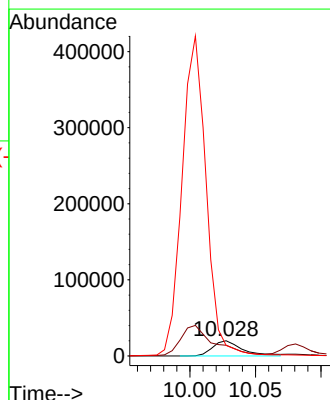
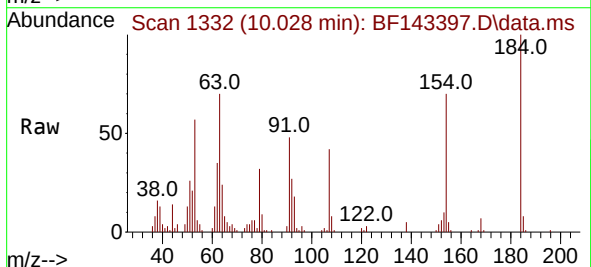
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

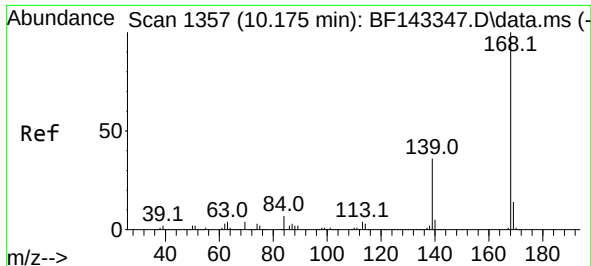
Tgt Ion:138 Resp: 136382
Ion Ratio Lower Upper
138 100
108 10.8 9.6 14.4
92 112.3 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 35.584 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

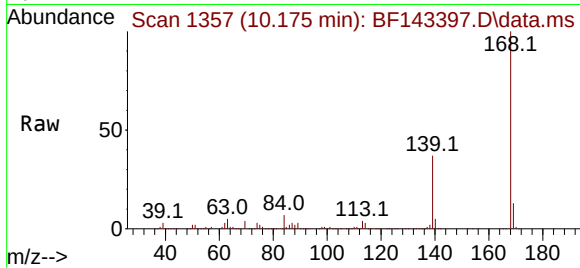
Tgt Ion:184 Resp: 31584
Ion Ratio Lower Upper
184 100
63 70.2 62.5 93.7
154 69.7 73.0 109.4#



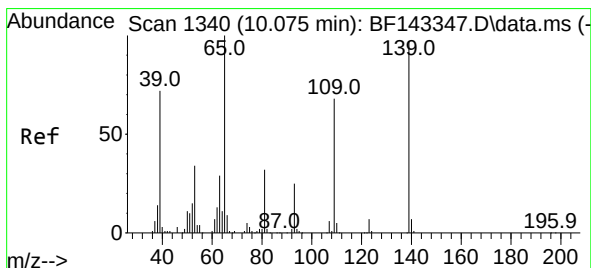
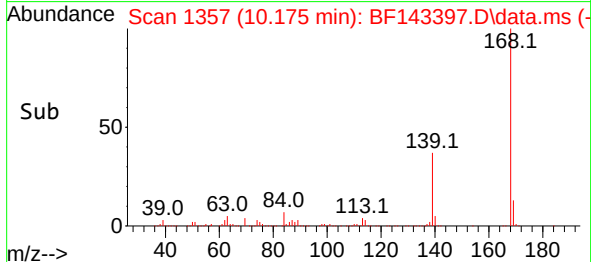
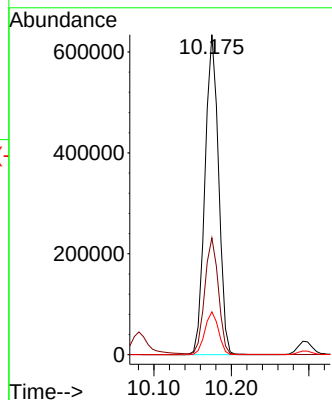


#55
Dibenzofuran
Concen: 36.113 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

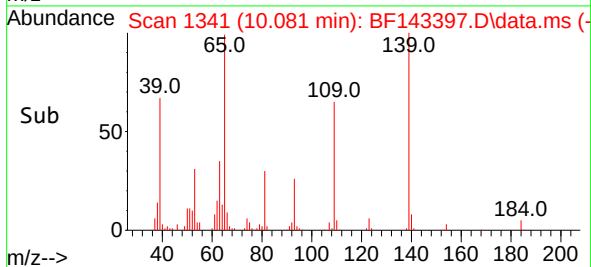
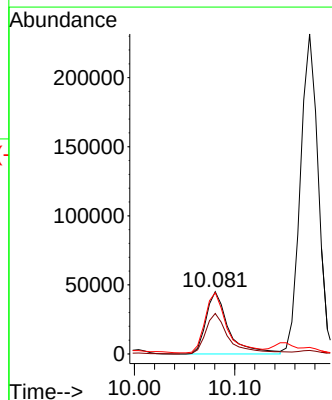
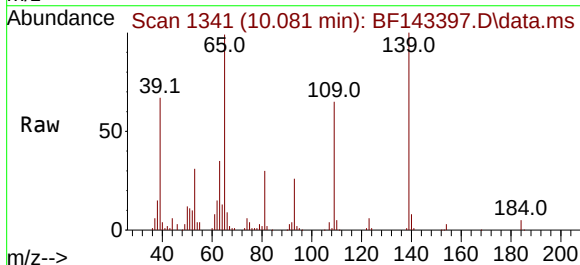


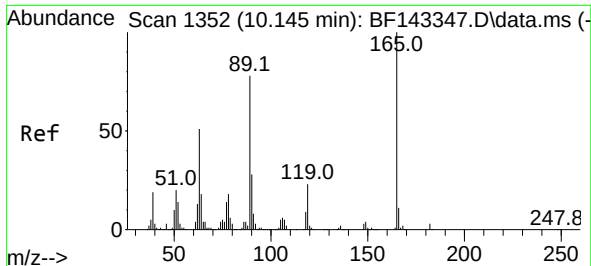
Tgt Ion:	168	Resp:	772029
Ion Ratio	Lower	Upper	
168	100		
139	36.5	29.4	44.0
169	13.4	11.0	16.6



#56
4-Nitrophenol
Concen: 30.288 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:	139	Resp:	70771
Ion Ratio	Lower	Upper	
139	100		
109	65.1	49.4	89.4
65	98.6	83.7	123.7

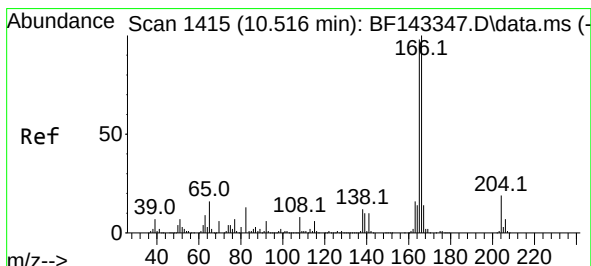
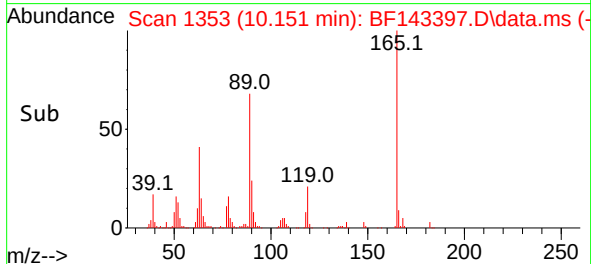
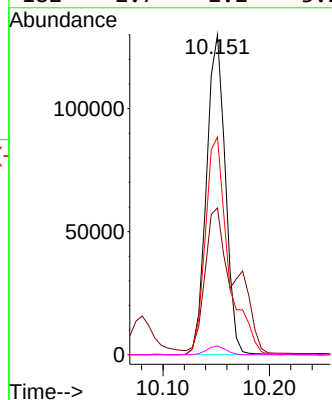
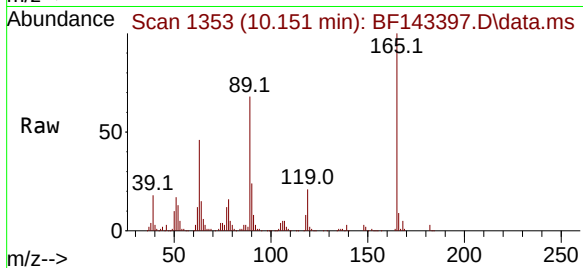




#57
2,4-Dinitrotoluene
Concen: 39.688 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

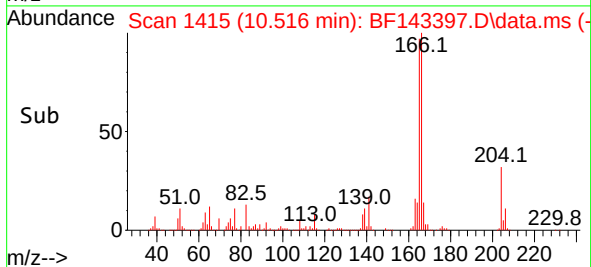
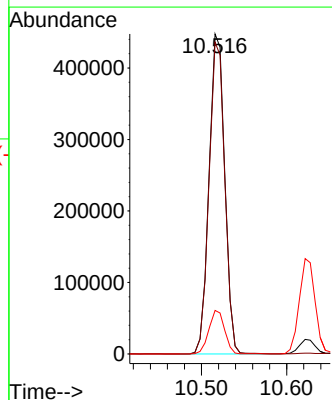
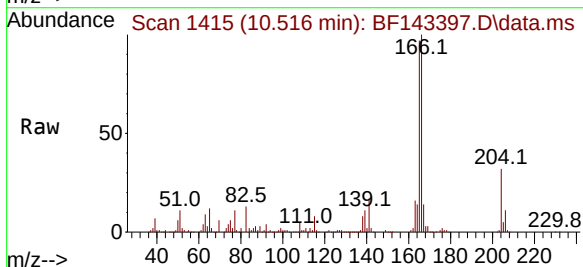
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

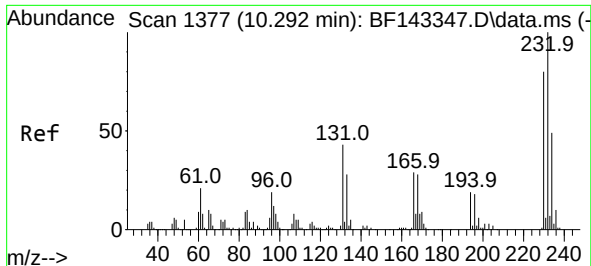
Tgt Ion:165	Resp:	159522
Ion Ratio	Lower	Upper
165	100	
63	45.8	41.8 62.8
89	68.0	62.4 93.6
182	2.7	2.2 3.2



#58
Fluorene
Concen: 35.081 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:166	Resp:	572834
Ion Ratio	Lower	Upper
166	100	
165	97.4	78.2 117.4
167	13.6	10.9 16.3



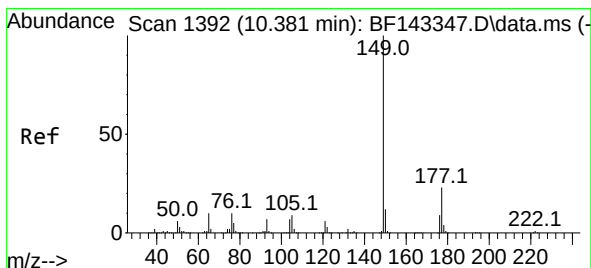
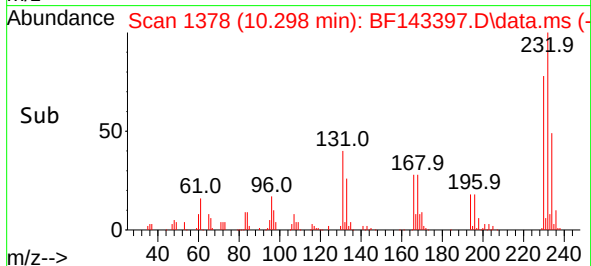
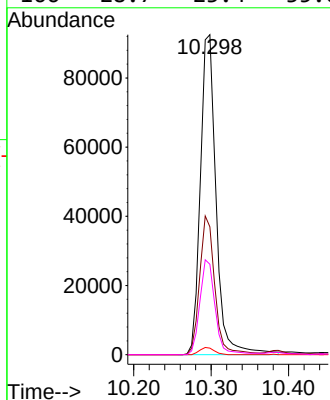
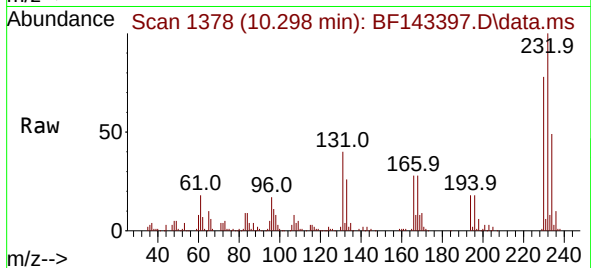


#59
2,3,4,6-Tetrachlorophenol
Concen: 39.774 ng
RT: 10.298 min Scan# 1378
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 130610

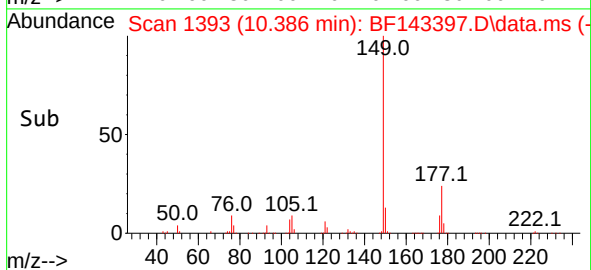
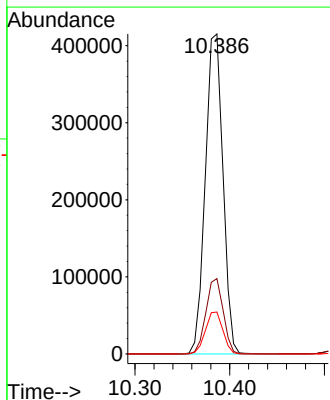
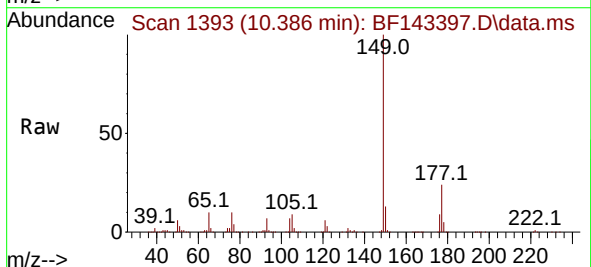
Ion	Ratio	Lower	Upper
232	100		
131	41.9	34.6	51.8
130	2.1	1.7	2.5
166	28.7	23.4	35.0

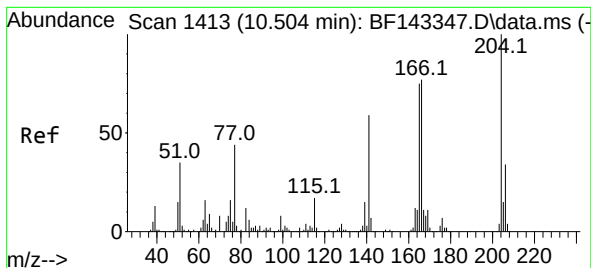


#60
Diethylphthalate
Concen: 36.866 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 536101

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.2	27.2
150	13.1	9.9	14.9

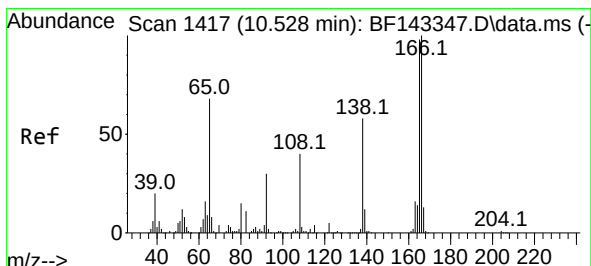
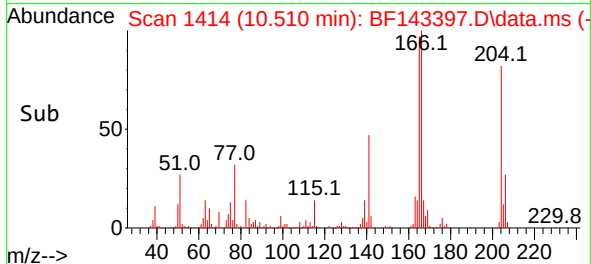
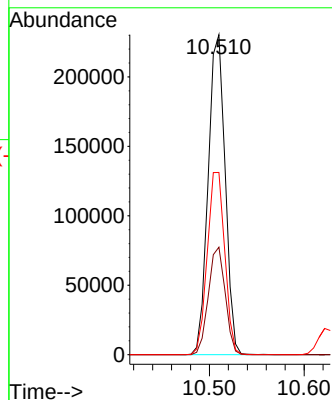
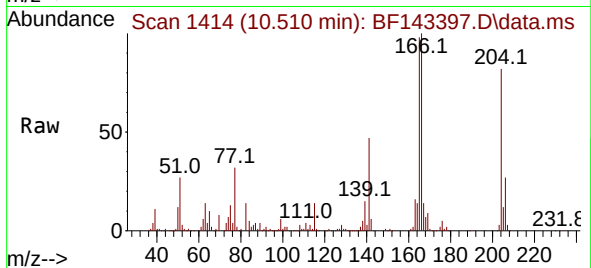




#61
4-Chlorophenyl-phenylether
Concen: 36.239 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

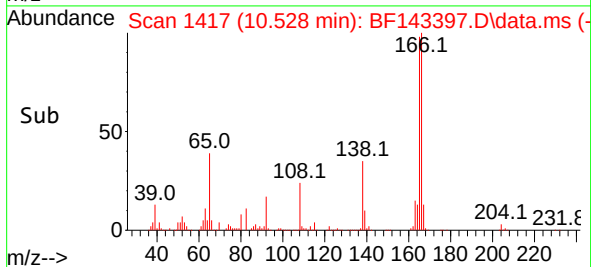
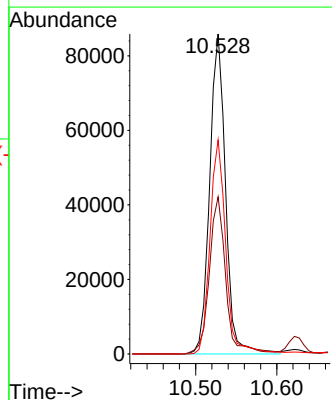
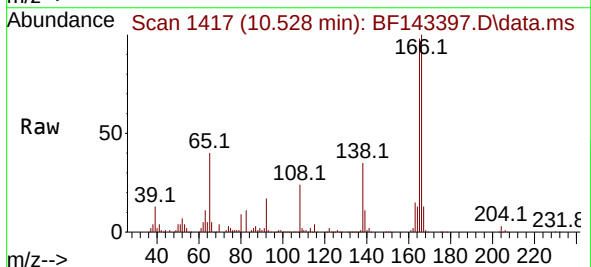
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

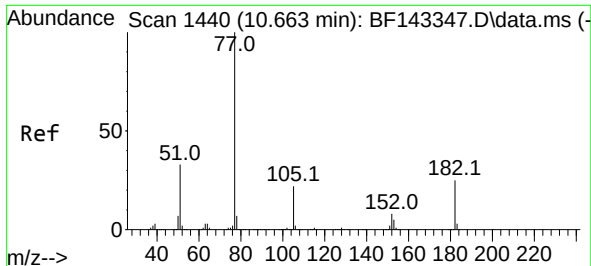
Tgt Ion:204 Resp: 285928
Ion Ratio Lower Upper
204 100
206 33.6 27.4 41.2
141 57.0 46.9 70.3



#62
4-Nitroaniline
Concen: 36.245 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:138 Resp: 116589
Ion Ratio Lower Upper
138 100
92 49.1 31.2 71.2
108 66.9 48.1 88.1

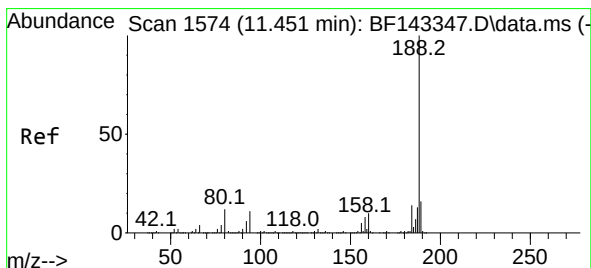
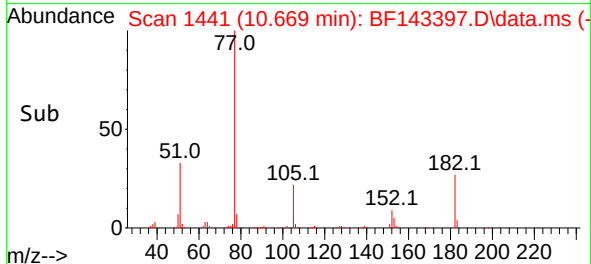
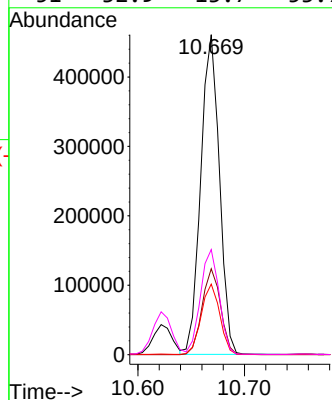
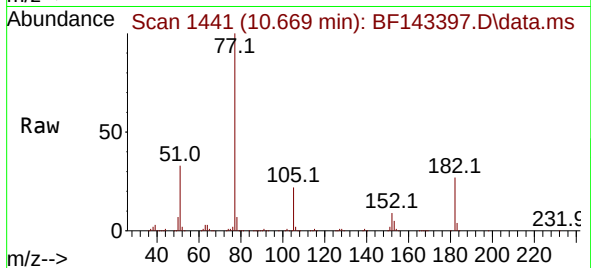




#63
Azobenzene
Concen: 33.836 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

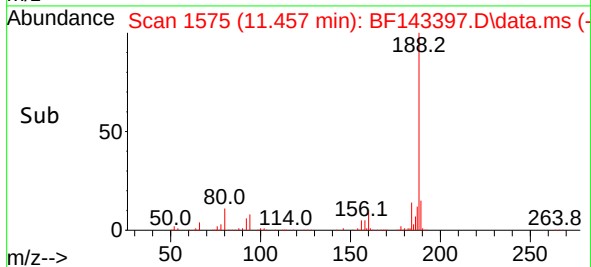
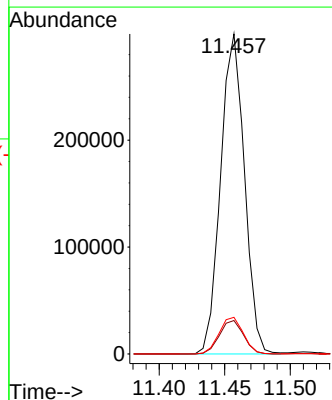
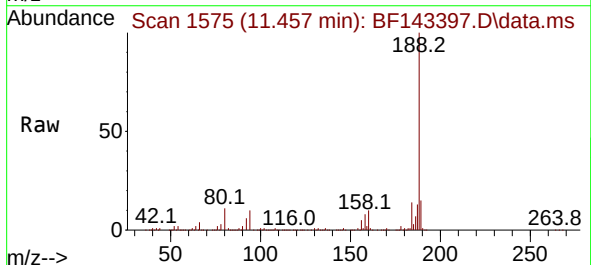
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

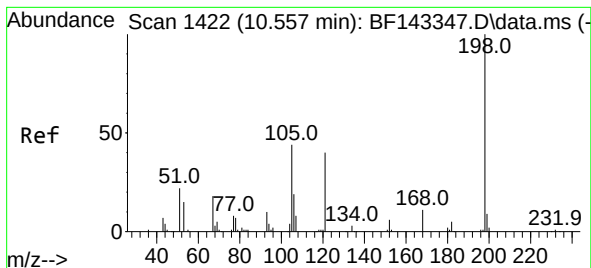
Tgt Ion: 77	Resp: 562010
Ion Ratio	Lower Upper
77 100	
182 26.8	4.4 44.4
105 22.1	1.8 41.8
51 32.9	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:188	Resp: 378614
Ion Ratio	Lower Upper
188 100	
94 10.5	8.8 13.2
80 11.5	9.7 14.5

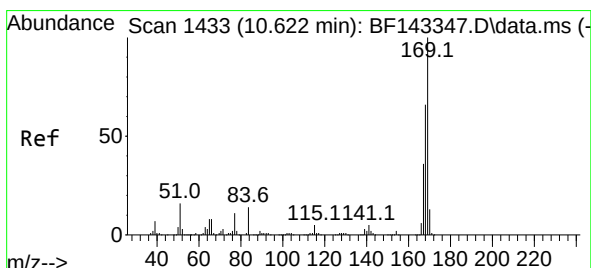
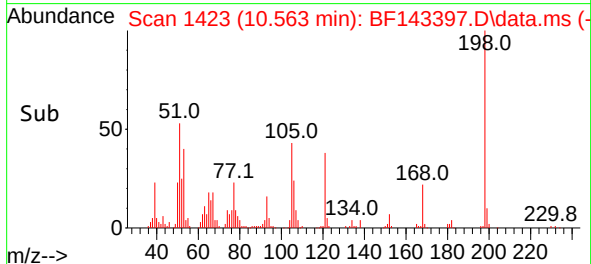
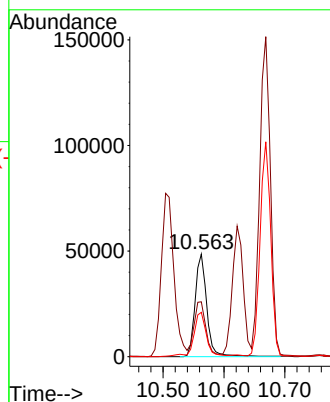
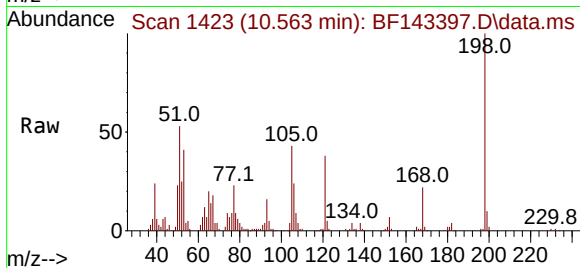




#65
4,6-Dinitro-2-methylphenol
Concen: 43.140 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

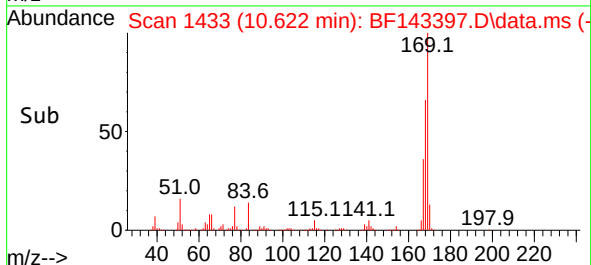
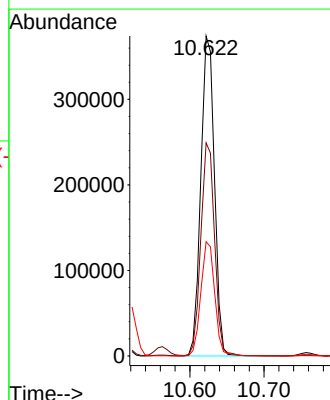
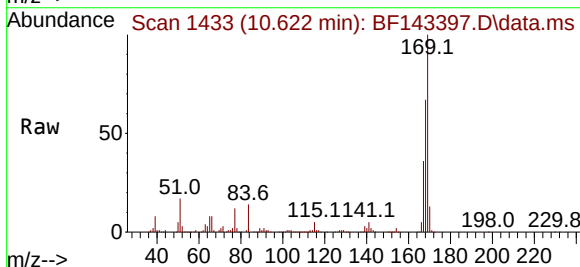
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

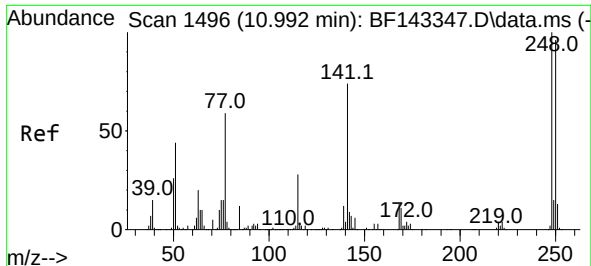
Tgt Ion:198 Resp: 64754
Ion Ratio Lower Upper
198 100
51 53.5 41.7 81.7
105 43.2 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 38.245 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:169 Resp: 476800
Ion Ratio Lower Upper
169 100
168 66.6 52.7 79.1
167 35.7 28.6 42.8

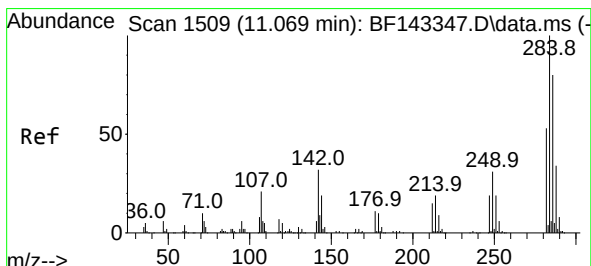
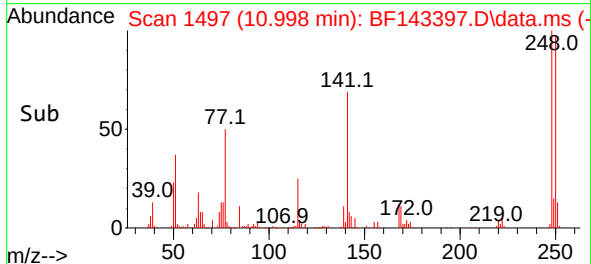
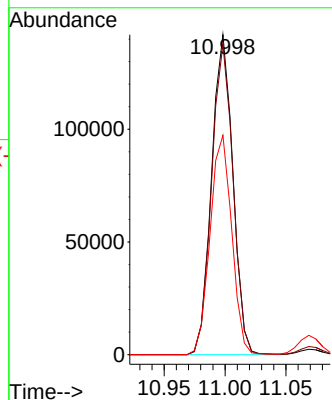
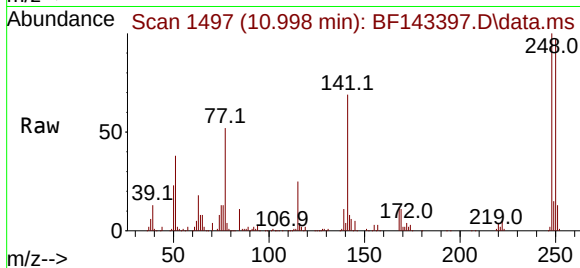




#67
4-Bromophenyl-phenylether
Concen: 39.924 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

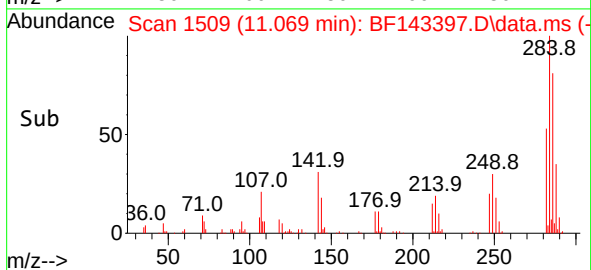
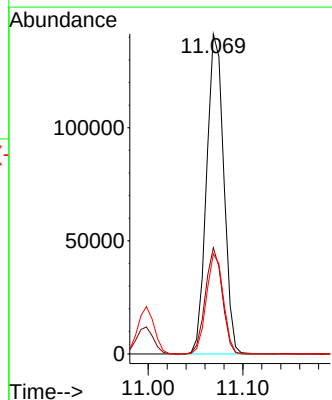
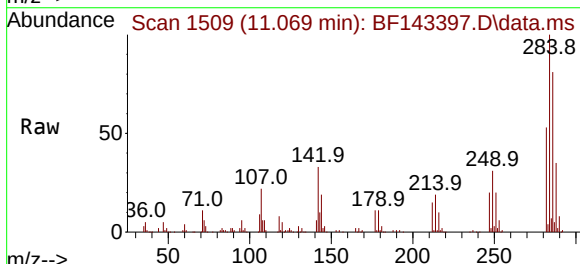
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

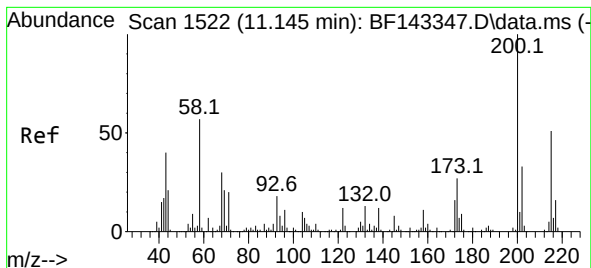
Tgt Ion:248 Resp: 172874
Ion Ratio Lower Upper
248 100
250 97.1 77.1 115.7
141 68.5 59.1 88.7



#68
Hexachlorobenzene
Concen: 38.074 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:284 Resp: 177709
Ion Ratio Lower Upper
284 100
142 33.2 25.7 38.5
249 31.3 24.6 37.0





#69

Atrazine

Concen: 40.779 ng

RT: 11.145 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

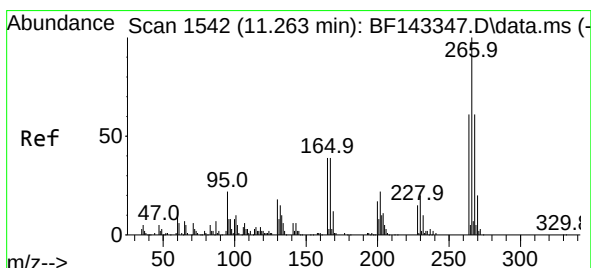
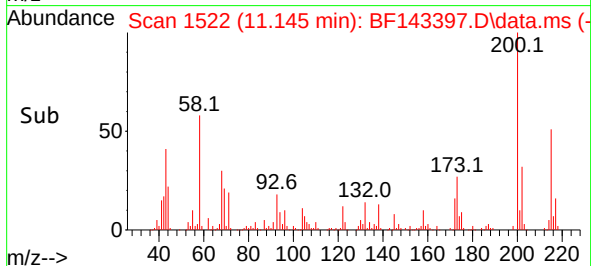
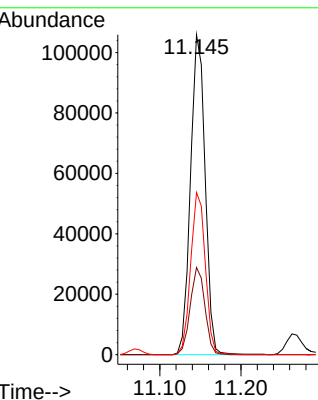
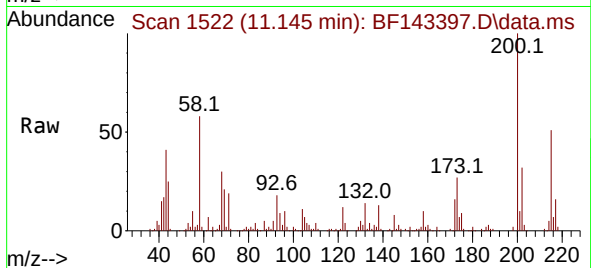
Tgt Ion:200 Resp: 132597

Ion Ratio Lower Upper

200 100

173 27.3 6.6 46.6

215 50.7 30.6 70.6



#70

Pentachlorophenol

Concen: 32.879 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

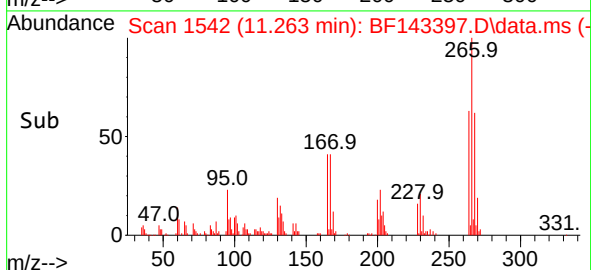
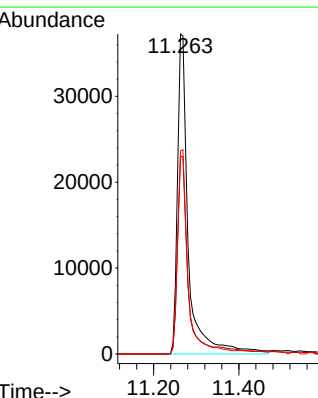
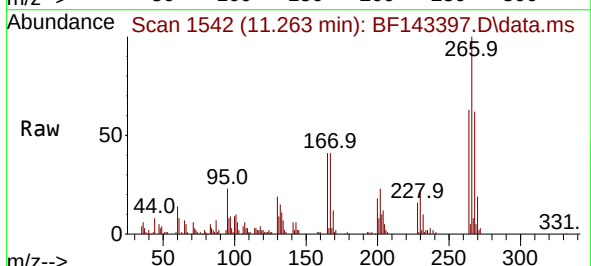
Tgt Ion:266 Resp: 66512

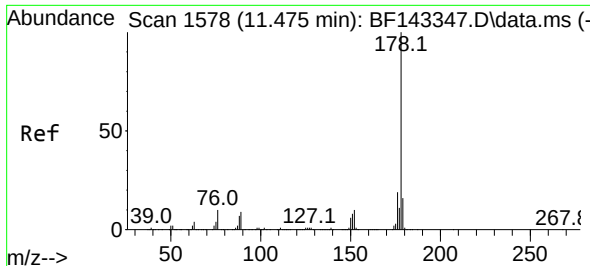
Ion Ratio Lower Upper

266 100

268 61.9 48.8 73.2

264 63.4 48.8 73.2

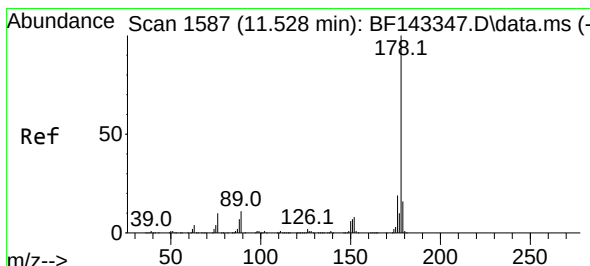
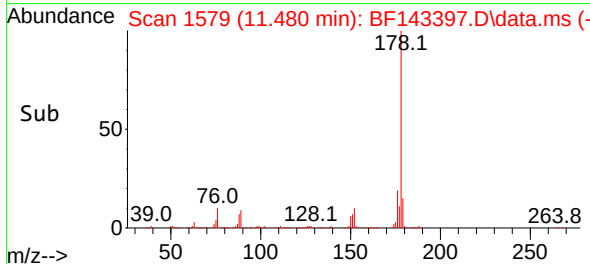
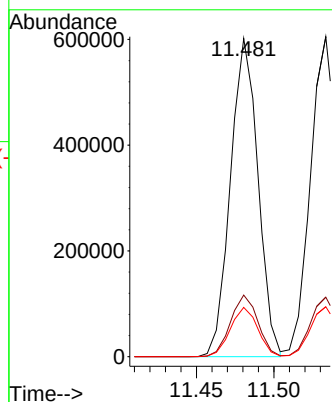
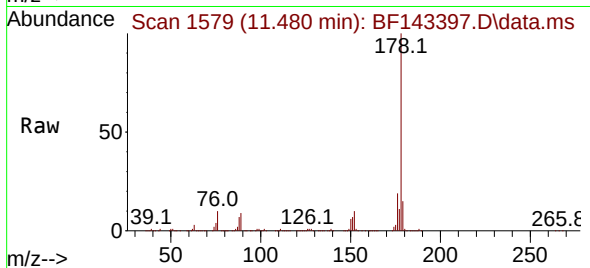




#71
Phenanthrene
Concen: 35.962 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

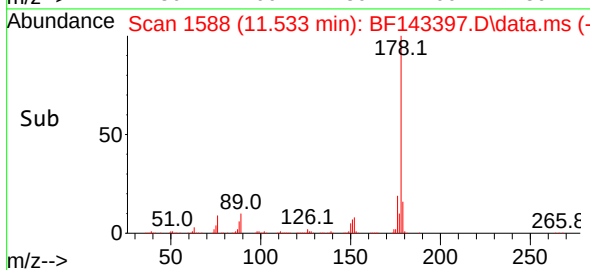
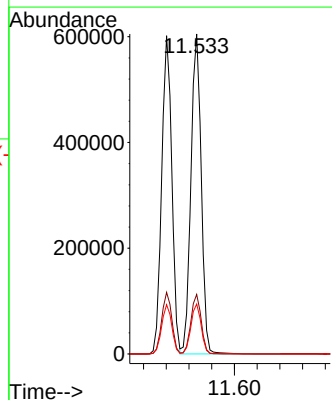
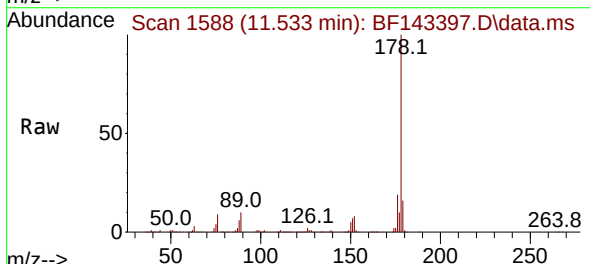
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

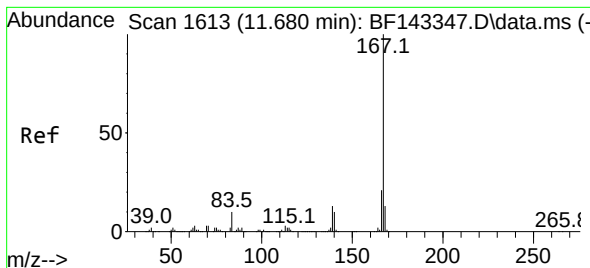
Tgt Ion:178 Resp: 742863
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.5 12.5 18.7



#72
Anthracene
Concen: 36.392 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:178 Resp: 762390
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.6 12.7 19.1

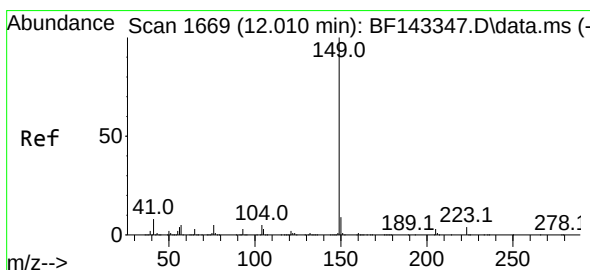
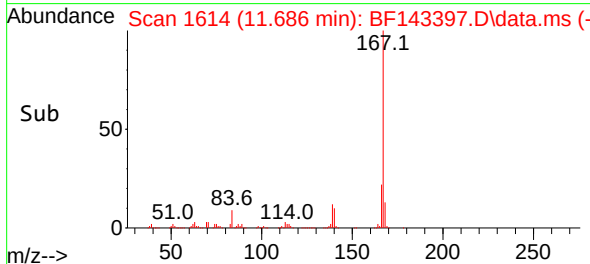
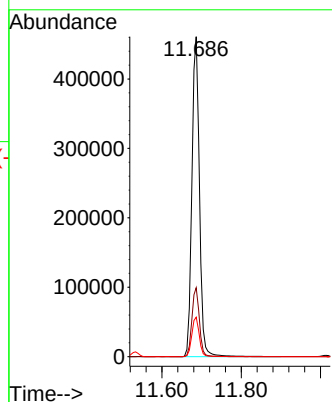
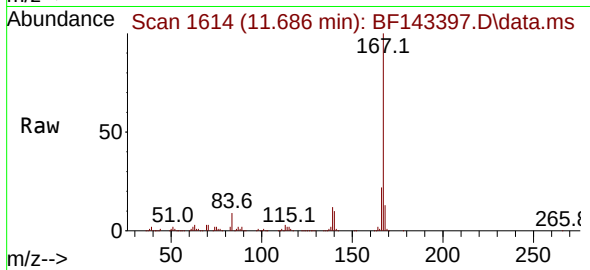




#73
Carbazole
Concen: 34.117 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

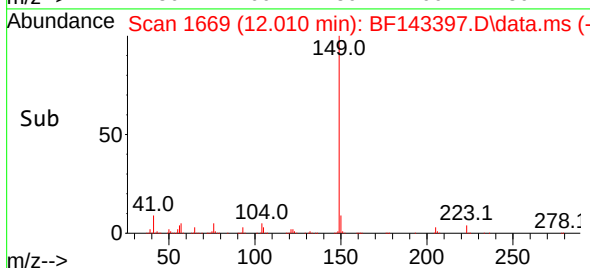
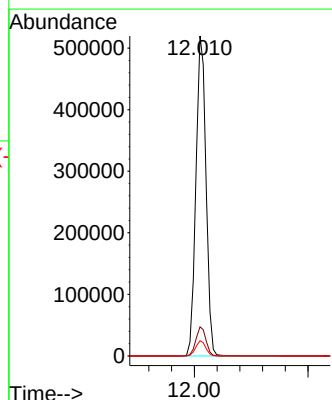
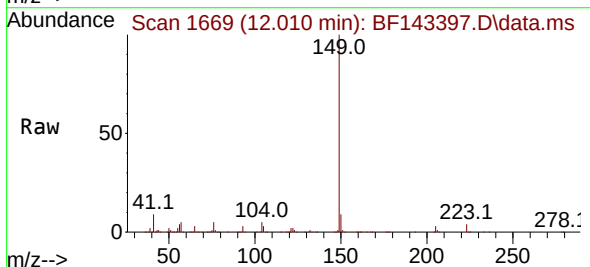
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

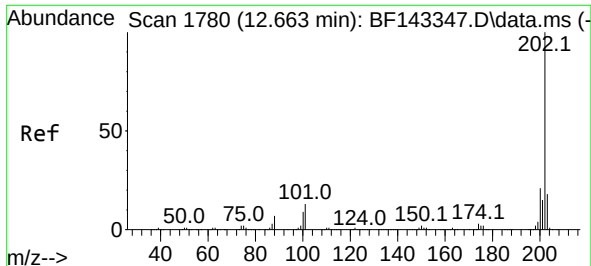
Tgt Ion:167 Resp: 608695
Ion Ratio Lower Upper
167 100
166 21.5 16.8 25.2
139 12.3 10.2 15.2



#74
Di-n-butylphthalate
Concen: 42.631 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 643625
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 4.8 3.8 5.8

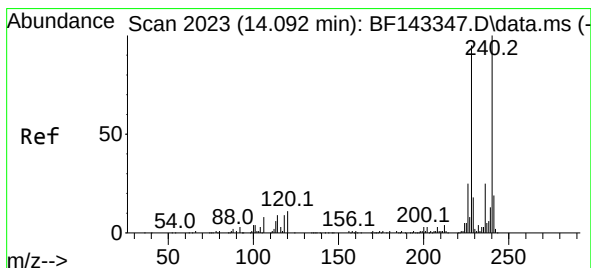
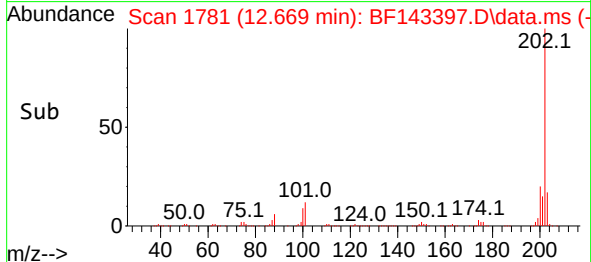
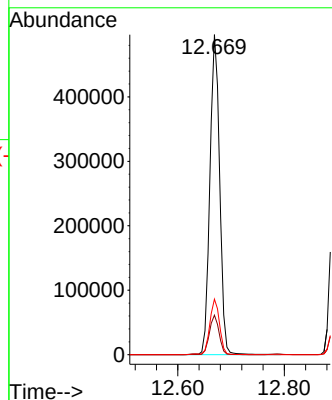
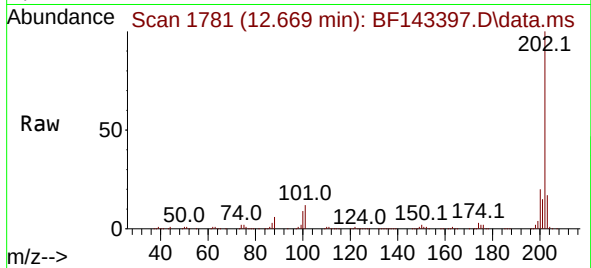




#75
Fluoranthene
Concen: 34.718 ng
RT: 12.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

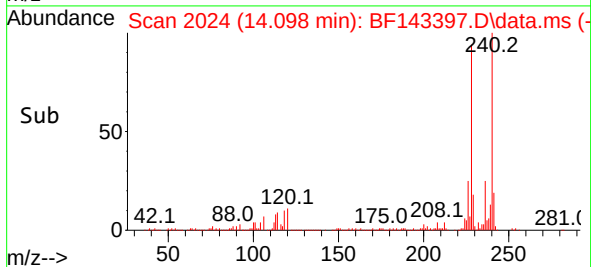
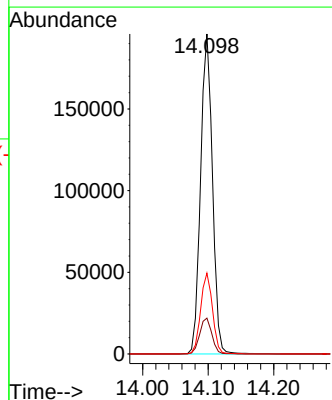
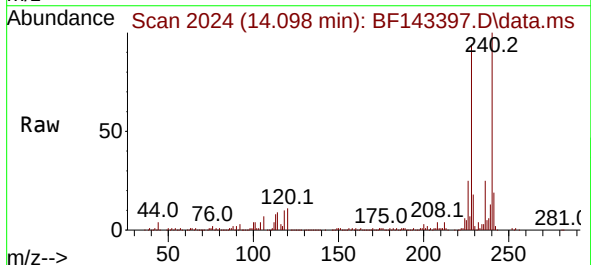
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

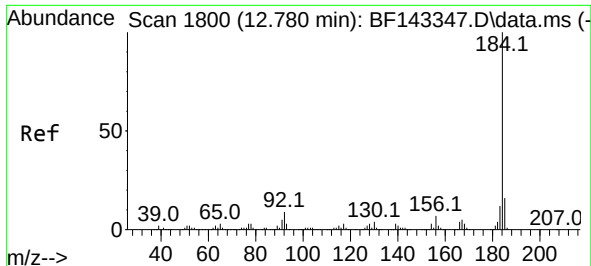
Tgt Ion:	202	Resp:	628208
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	33.2
203	17.4	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:	240	Resp:	246790
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.0	13.6
236	25.3	19.9	29.9

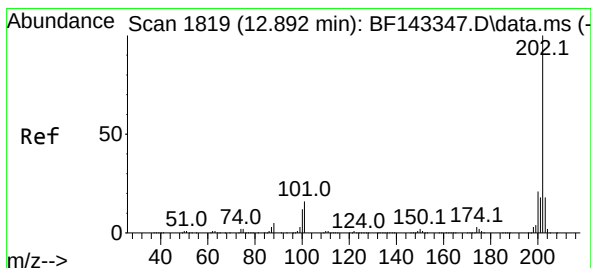
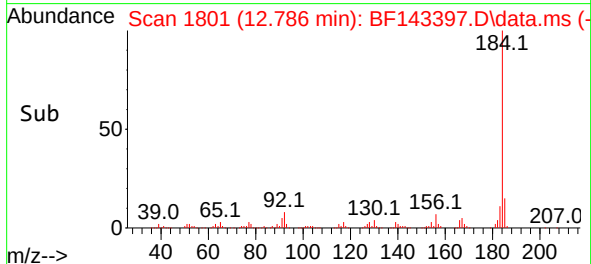
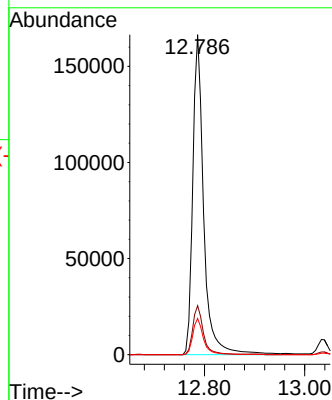
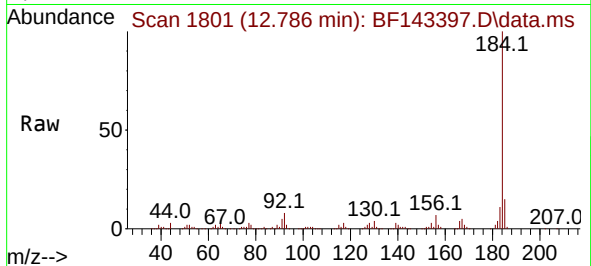




#77
Benzidine
Concen: 37.244 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

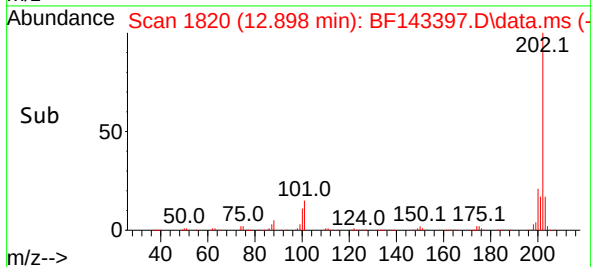
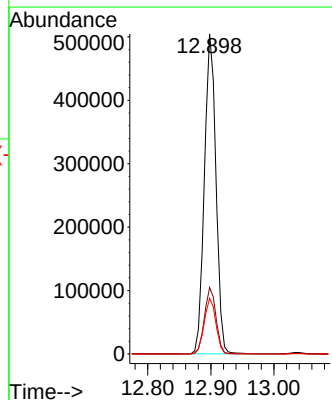
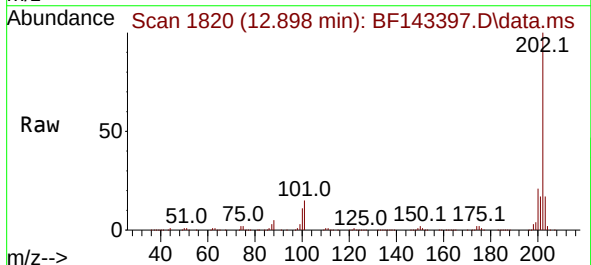
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

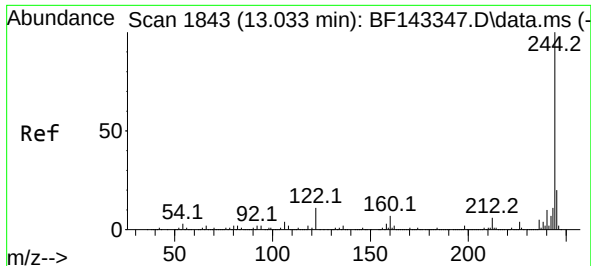
Tgt Ion:184 Resp: 251288
Ion Ratio Lower Upper
184 100
185 15.3 12.8 19.2
183 11.3 9.3 13.9



#78
Pyrene
Concen: 30.918 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:202 Resp: 640096
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 17.4 14.2 21.4

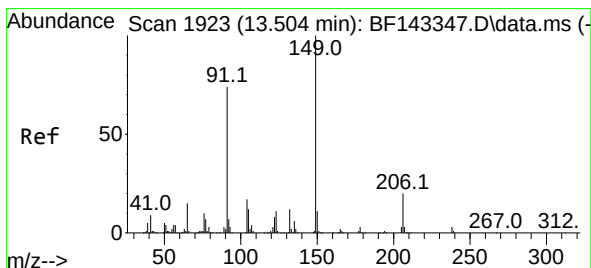
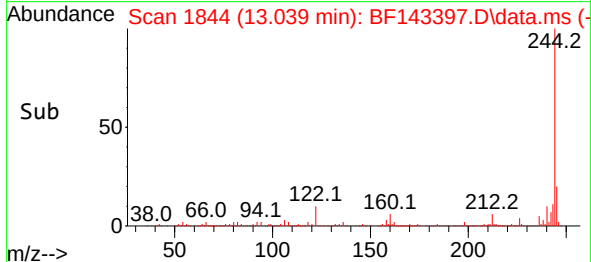
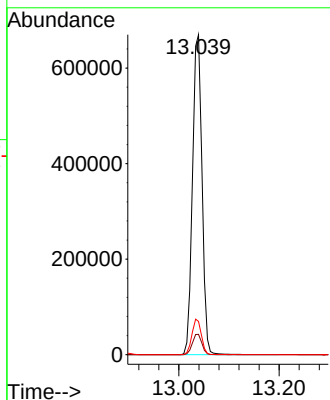
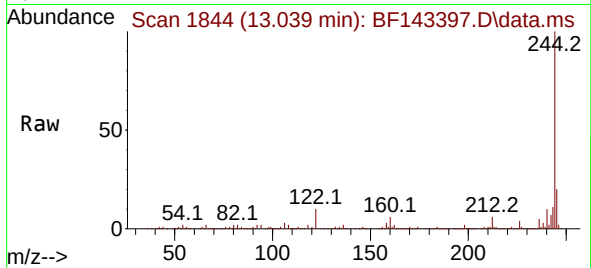




#79
 Terphenyl-d14
 Concen: 63.756 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143397.D
 Acq: 14 Aug 2025 22:56

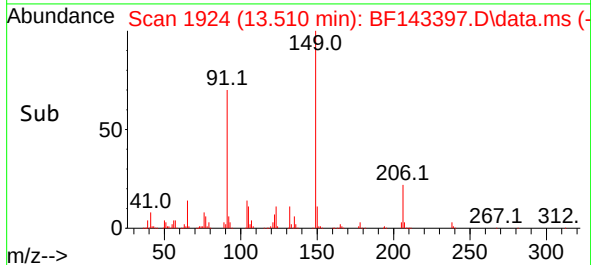
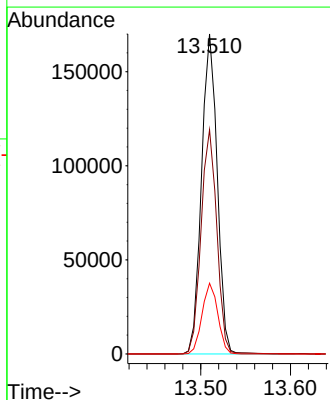
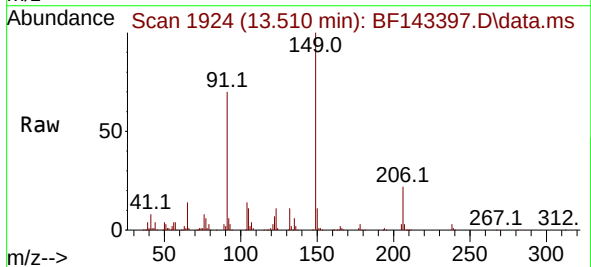
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

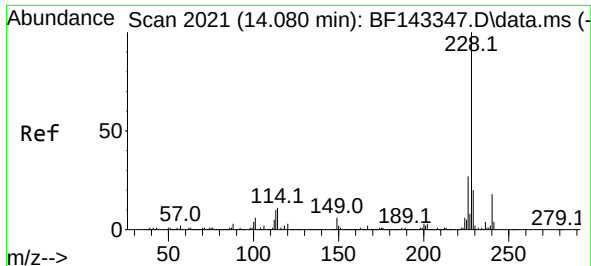
Tgt Ion:244 Resp: 881305
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 10.4 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 50.287 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BF143397.D
 Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 206438
 Ion Ratio Lower Upper
 149 100
 91 70.1 58.8 88.2
 206 22.1 16.4 24.6

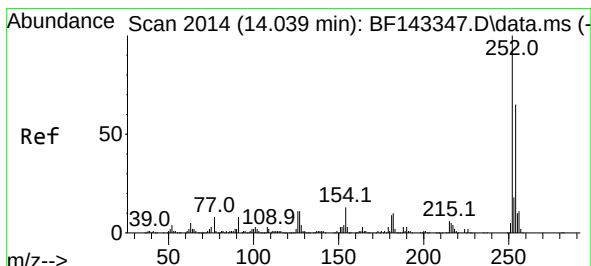
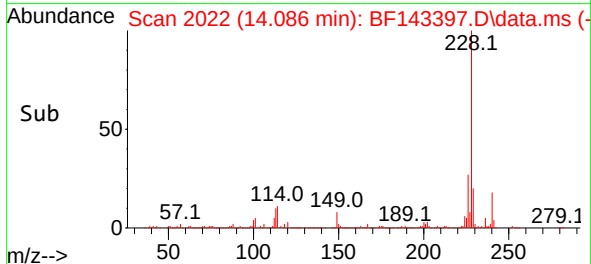
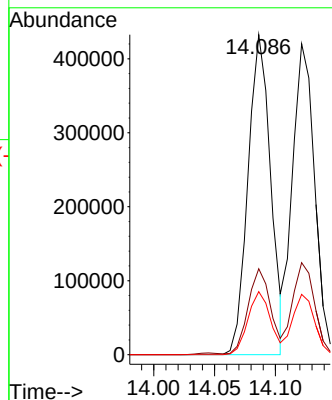
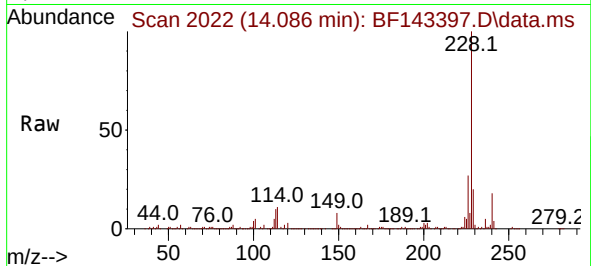




#81
Benzo(a)anthracene
Concen: 35.746 ng
RT: 14.086 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

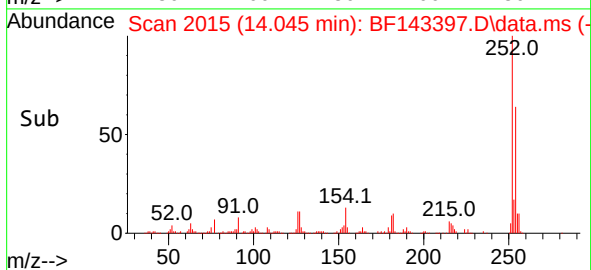
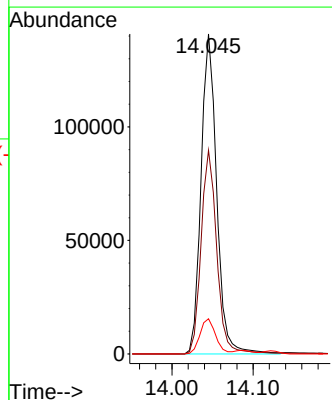
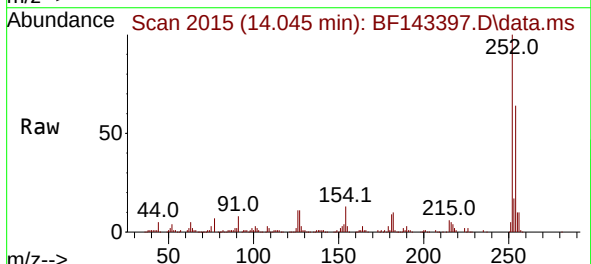
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

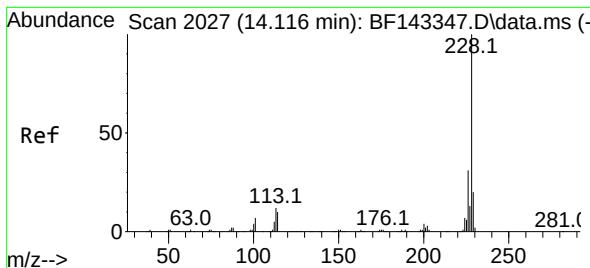
Tgt Ion:228 Resp: 560700
Ion Ratio Lower Upper
228 100
226 26.9 22.0 33.0
229 19.7 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 44.526 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:252 Resp: 188593
Ion Ratio Lower Upper
252 100
254 63.7 51.7 77.5
126 11.0 9.2 13.8





#83

Chrysene

Concen: 36.741 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

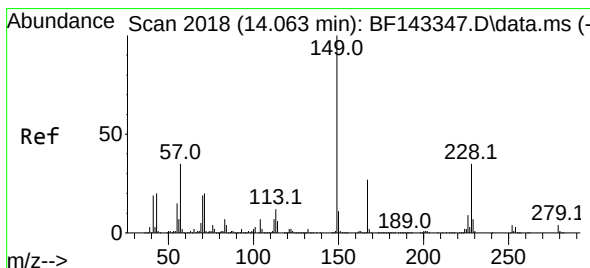
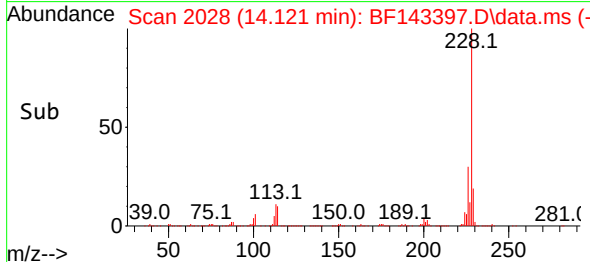
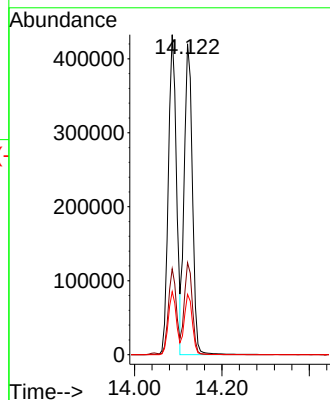
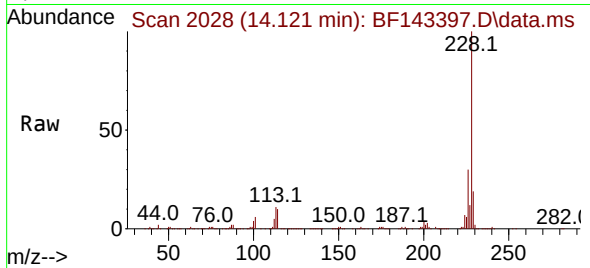
Tgt Ion:228 Resp: 537379

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.2

229 19.4 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.120 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

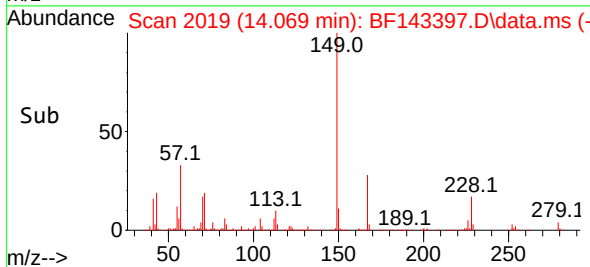
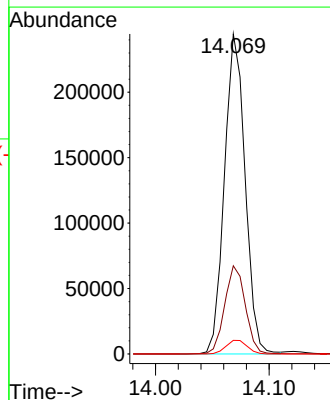
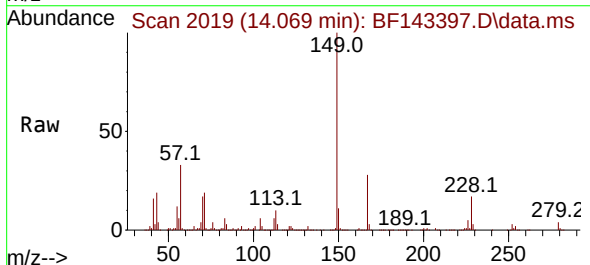
Tgt Ion:149 Resp: 309325

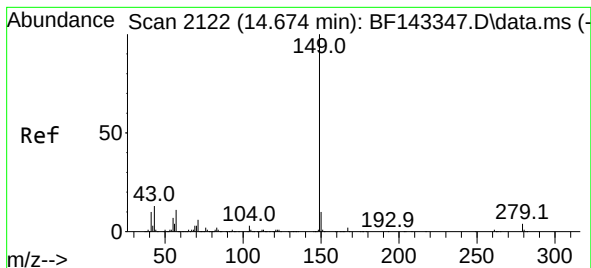
Ion Ratio Lower Upper

149 100

167 27.6 21.4 32.0

279 4.2 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 50.655 ng

RT: 14.686 min Scan# 2124

Delta R.T. 0.012 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

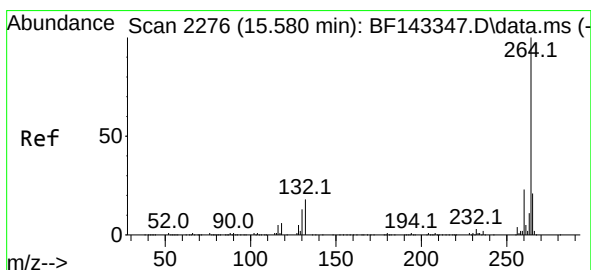
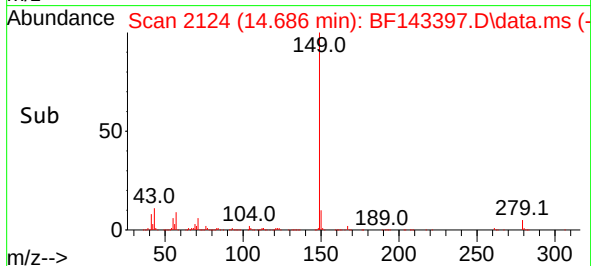
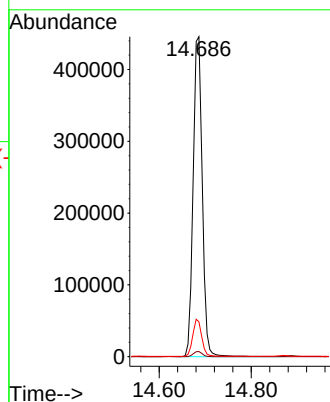
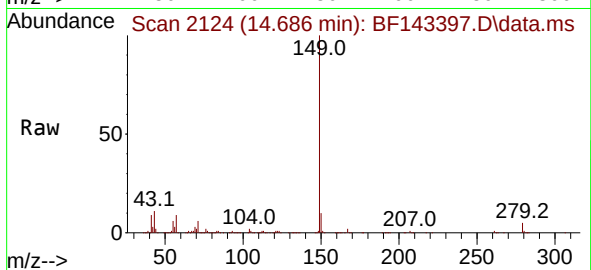
Tgt Ion:149 Resp: 611488

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.4 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

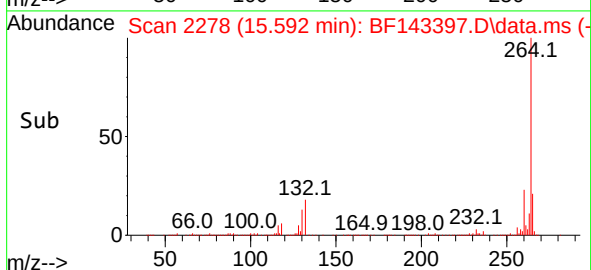
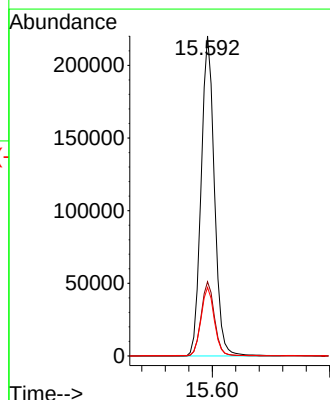
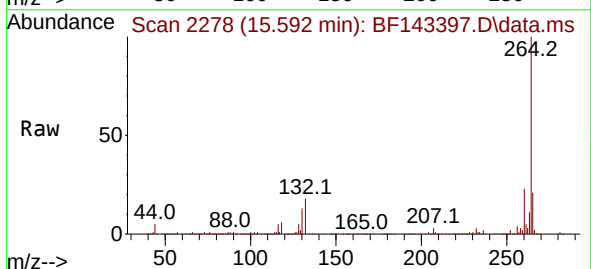
Tgt Ion:264 Resp: 345291

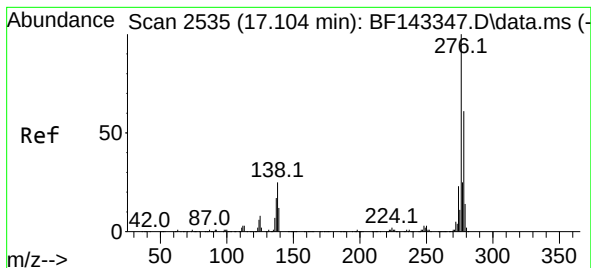
Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.381 ng

RT: 17.121 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

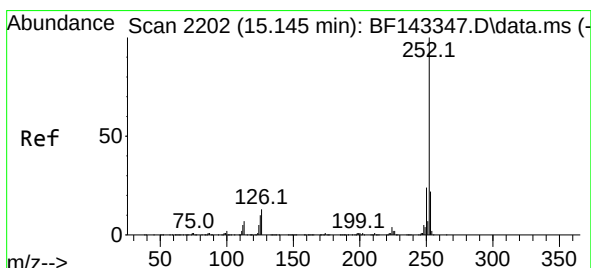
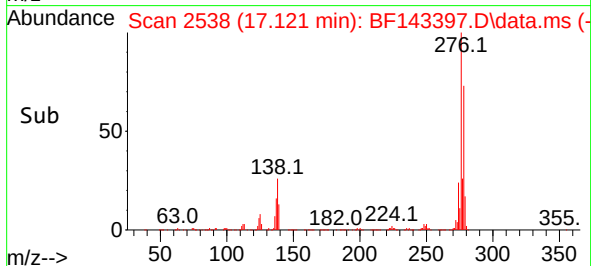
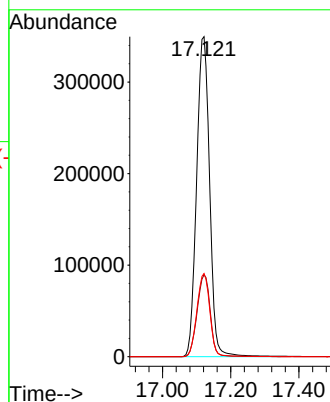
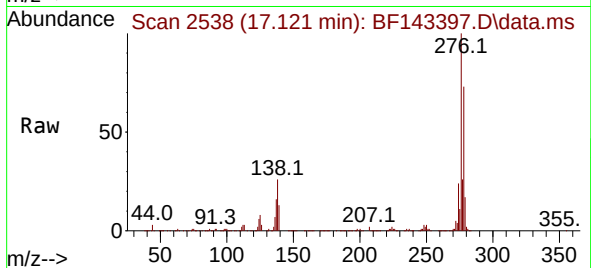
Tgt Ion:276 Resp: 924731

Ion Ratio Lower Upper

276 100

138 25.8 21.1 31.7

277 25.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 37.954 ng

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF143397.D

Acq: 14 Aug 2025 22:56

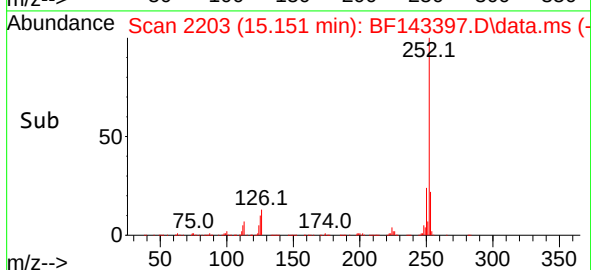
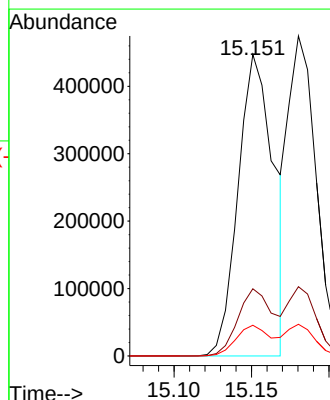
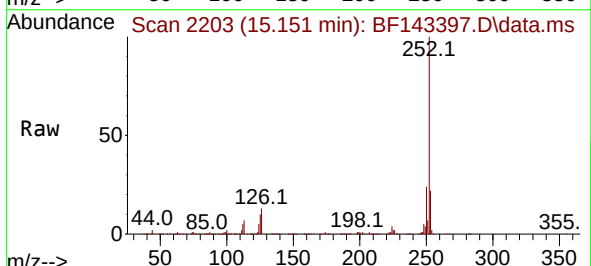
Tgt Ion:252 Resp: 716789

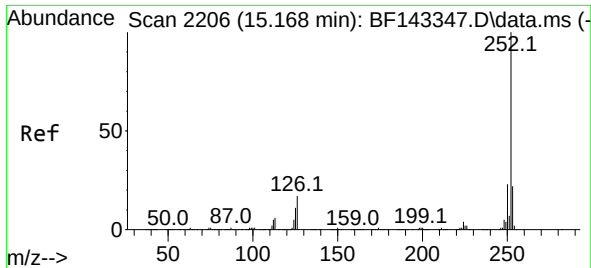
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 10.2 7.8 11.6

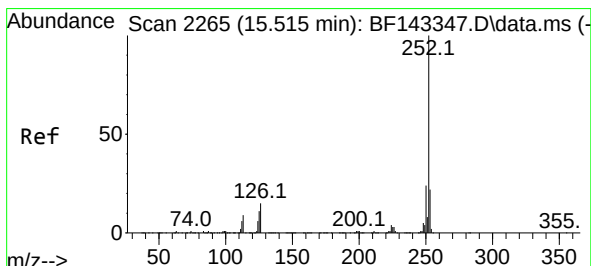
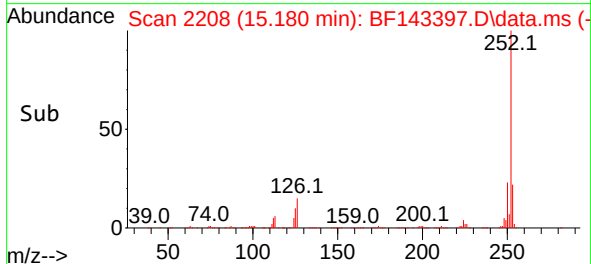
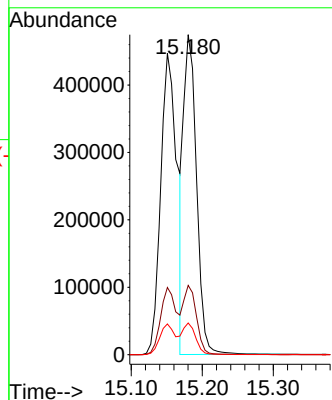
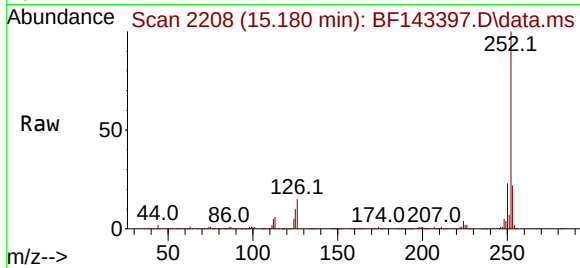




#89
Benzo(k)fluoranthene
Concen: 32.831 ng
RT: 15.180 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

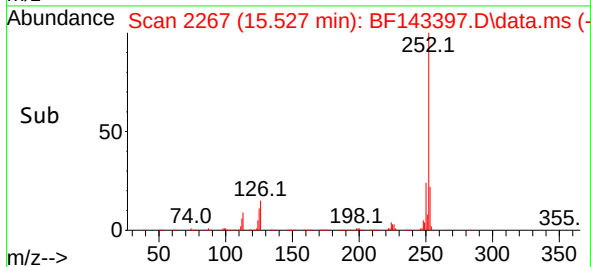
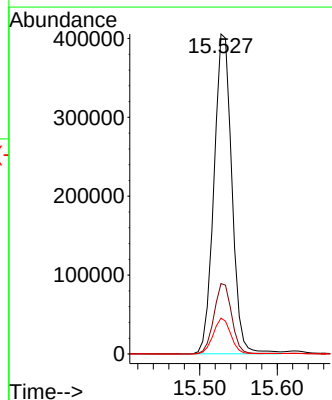
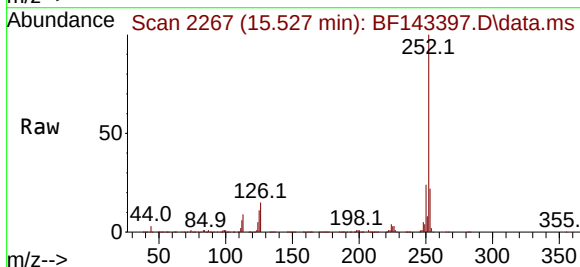
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

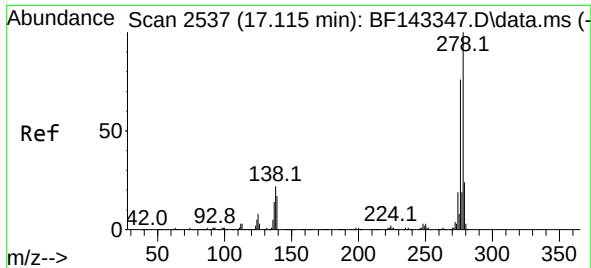
Tgt Ion:252 Resp: 602501
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 9.9 8.4 12.6



#90
Benzo(a)pyrene
Concen: 36.515 ng
RT: 15.527 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:252 Resp: 649502
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 11.2 9.1 13.7

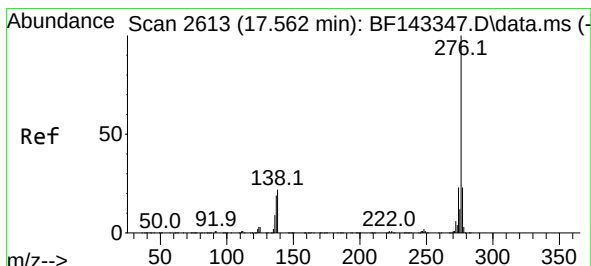
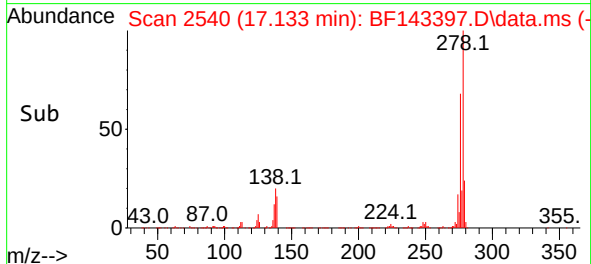
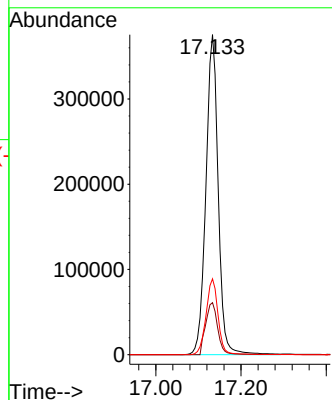
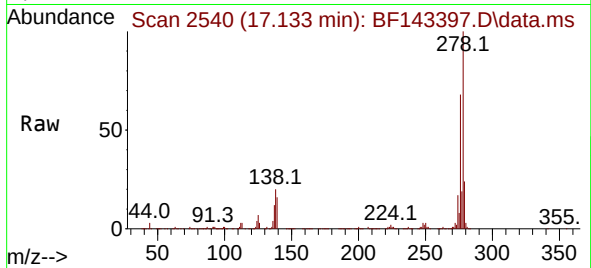




#91
Dibenzo(a,h)anthracene
Concen: 38.021 ng
RT: 17.133 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

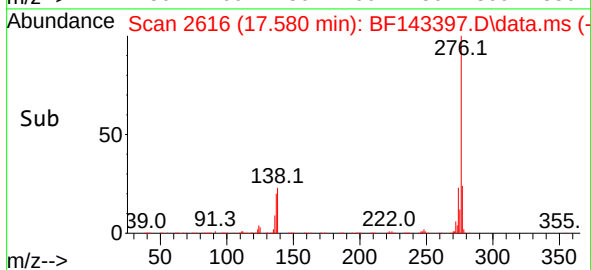
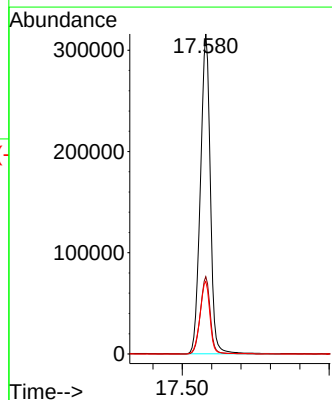
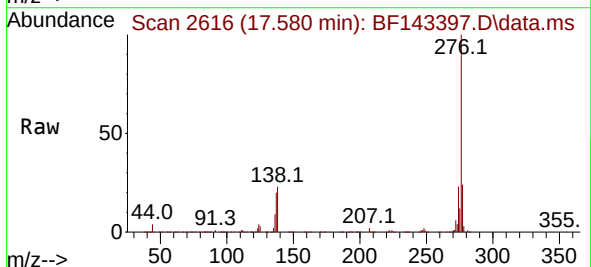
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 751396
Ion Ratio Lower Upper
278 100
139 16.3 14.0 21.0
279 23.7 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 37.096 ng
RT: 17.580 min Scan# 2616
Delta R.T. 0.018 min
Lab File: BF143397.D
Acq: 14 Aug 2025 22:56

Tgt Ion:276 Resp: 738534
Ion Ratio Lower Upper
276 100
277 24.2 18.7 28.1
138 22.7 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143500.D
 Acq On : 20 Aug 2025 23:03
 Operator : RC/JU
 Sample : PB169223BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

Quant Time: Aug 21 02:07:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131186	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	492884	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	270237	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	416818	20.000	ng	0.00
76) Chrysene-d12	14.098	240	228118	20.000	ng	0.00
86) Perylene-d12	15.592	264	266176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	844659	112.429	ng	0.01
7) Phenol-d6	6.569	99	1058961	114.184	ng	0.00
23) Nitrobenzene-d5	7.486	82	710526	84.122	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	322470	128.193	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1355856	82.919	ng	0.00
79) Terphenyl-d14	13.039	244	1200740	91.853	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.840	88	118960	34.181	ng	99
3) Pyridine	3.598	79	315644	34.051	ng	99
4) n-Nitrosodimethylamine	3.540	42	178922	42.937	ng	98
6) Aniline	6.592	93	455595	36.752	ng	96
8) 2-Chlorophenol	6.716	128	345347	41.618	ng	100
9) Benzaldehyde	6.475	77	202831	27.013	ng	97
10) Phenol	6.581	94	429646	40.214	ng	97
11) bis(2-Chloroethyl)ether	6.657	93	324476	40.641	ng	100
12) 1,3-Dichlorobenzene	6.869	146	378602	40.607	ng	99
13) 1,4-Dichlorobenzene	6.945	146	384169	41.077	ng	100
14) 1,2-Dichlorobenzene	7.098	146	365259	41.250	ng	99
15) Benzyl Alcohol	7.069	79	298873	43.044	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	523318	40.970	ng	98
17) 2-Methylphenol	7.181	107	284449	42.710	ng	96
18) Hexachloroethane	7.439	117	128886	40.532	ng	97
19) n-Nitroso-di-n-propyla...	7.339	70	240395	42.409	ng	99
20) 3+4-Methylphenols	7.334	107	342541	43.085	ng	99
22) Acetophenone	7.334	105	456555	42.875	ng	99
24) Nitrobenzene	7.510	77	367167	42.236	ng	99
25) Isophorone	7.745	82	679763	43.904	ng	99
26) 2-Nitrophenol	7.822	139	187617	44.059	ng	97
27) 2,4-Dimethylphenol	7.863	122	307096	46.263	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	411823	43.281	ng	100
29) 2,4-Dichlorophenol	8.069	162	302376	42.651	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	321220	44.069	ng	100
31) Naphthalene	8.233	128	978696	41.359	ng	100
32) Benzoic acid	7.992	122	153463	41.568	ng	99
33) 4-Chloroaniline	8.281	127	338991	40.362	ng	100
34) Hexachlorobutadiene	8.351	225	198748	41.793	ng	99
35) Caprolactam	8.681	113	37156	21.841	ng	97
36) 4-Chloro-3-methylphenol	8.763	107	317848	44.738	ng	99
37) 2-Methylnaphthalene	8.922	142	609862	38.588	ng	100
38) 1-Methylnaphthalene	9.022	142	628292	41.560	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	325599	42.123	ng	99
41) Hexachlorocyclopentadiene	9.080	237	312701	102.172	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	211292	44.423	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143500.D
 Acq On : 20 Aug 2025 23:03
 Operator : RC/JU
 Sample : PB169223BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

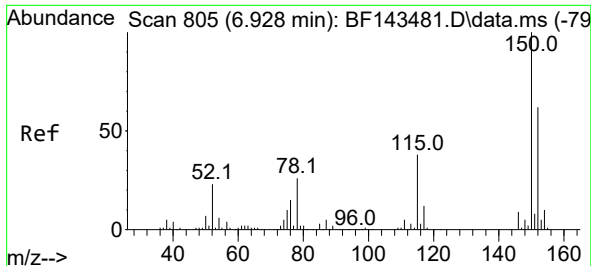
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	224442	43.200	ng	98
46) 1,1'-Biphenyl	9.386	154	831130	43.331	ng	100
47) 2-Chloronaphthalene	9.410	162	642470	42.690	ng	98
48) 2-Nitroaniline	9.504	65	201092	45.656	ng	99
49) Acenaphthylene	9.827	152	1028329	47.720	ng	100
50) Dimethylphthalate	9.686	163	745057	45.777	ng	100
51) 2,6-Dinitrotoluene	9.745	165	160042	47.445	ng	97
52) Acenaphthene	10.004	154	667045	45.591	ng	99
53) 3-Nitroaniline	9.916	138	144290	39.586	ng	99
54) 2,4-Dinitrophenol	10.027	184	138052	76.758	ng	99
55) Dibenzofuran	10.175	168	901702	43.227	ng	99
56) 4-Nitrophenol	10.086	139	201396	92.862	ng	96
57) 2,4-Dinitrotoluene	10.151	165	216352	48.035	ng	96
58) Fluorene	10.516	166	696847	43.405	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	190110	49.253	ng	99
60) Diethylphthalate	10.380	149	675090	46.264	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	343405	42.770	ng	99
62) 4-Nitroaniline	10.533	138	152819	45.645	ng	98
63) Azobenzene	10.663	77	684241	45.223	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	107407	45.701	ng	97
66) n-Nitrosodiphenylamine	10.622	169	603271	44.973	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	221455	44.529	ng	99
68) Hexachlorobenzene	11.069	284	240151	44.797	ng	99
69) Atrazine	11.145	200	167924	48.496	ng	99
70) Pentachlorophenol	11.263	266	220853	89.954	ng	99
71) Phenanthrene	11.480	178	965407	43.251	ng	100
72) Anthracene	11.533	178	981619	43.411	ng	100
73) Carbazole	11.686	167	819392	44.223	ng	100
74) Di-n-butylphthalate	12.010	149	833115	48.199	ng	99
75) Fluoranthene	12.668	202	859377	42.907	ng	100
77) Benzidine	12.786	184	398812	71.772	ng	99
78) Pyrene	12.898	202	851461	45.376	ng	100
80) Butylbenzylphthalate	13.510	149	246733	48.132	ng	99
81) Benzo(a)anthracene	14.086	228	634750	43.220	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	170528	40.545	ng	98
83) Chrysene	14.121	228	595587	45.126	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	358873	45.966	ng	100
85) Di-n-octyl phthalate	14.680	149	661323	45.724	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	888766	46.466	ng	100
88) Benzo(b)fluoranthene	15.157	252	660057	44.611	ng	99
89) Benzo(k)fluoranthene	15.186	252	624234	44.065	ng	100
90) Benzo(a)pyrene	15.533	252	643530	46.858	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	729486	47.620	ng	99
92) Benzo(g,h,i)perylene	17.592	276	718142	47.146	ng	100

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

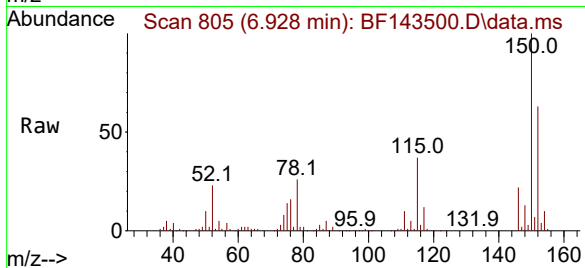
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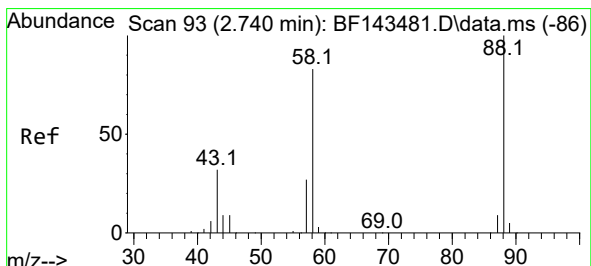
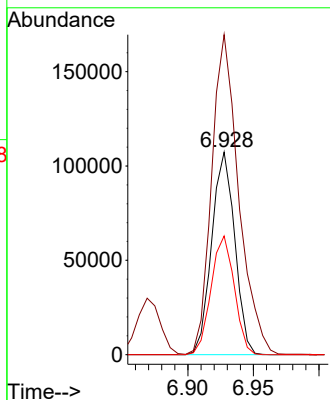
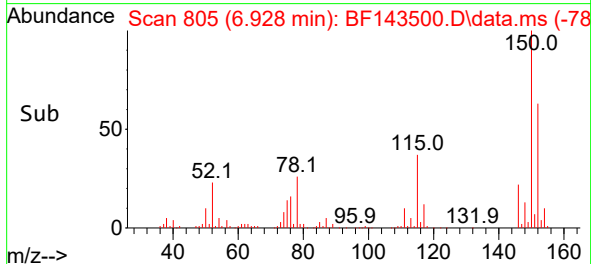


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

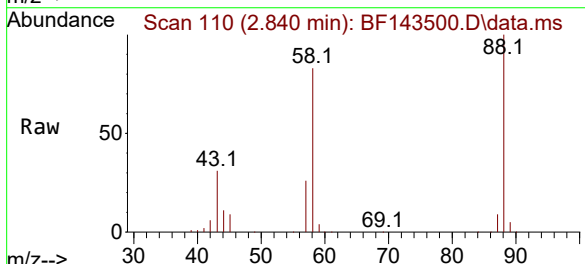
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS



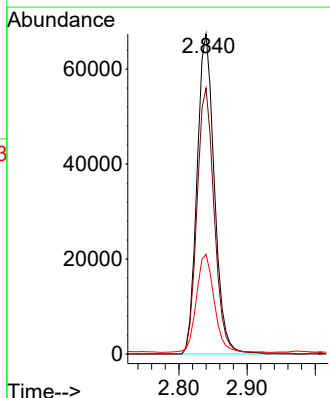
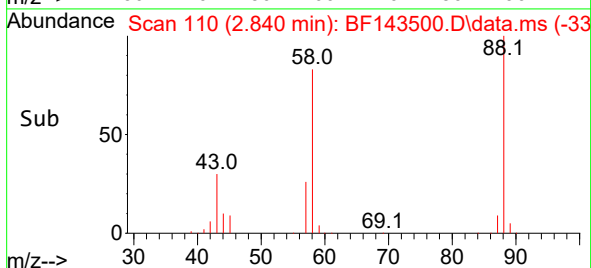
Tgt Ion:152 Resp: 131186
 Ion Ratio Lower Upper
 152 100
 150 157.9 128.9 193.3
 115 58.6 49.2 73.8

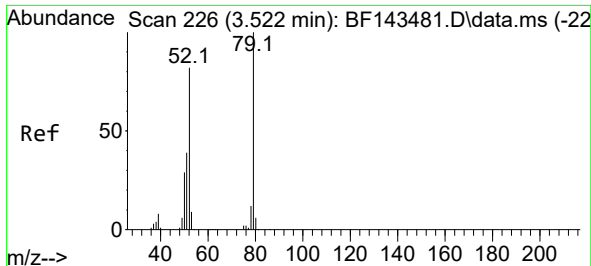


#2
 1,4-Dioxane
 Concen: 34.181 ng
 RT: 2.840 min Scan# 110
 Delta R.T. 0.106 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03



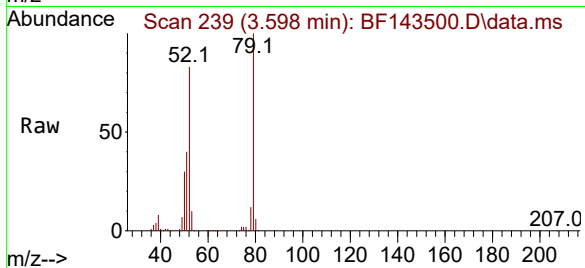
Tgt Ion: 88 Resp: 118960
 Ion Ratio Lower Upper
 88 100
 58 83.2 66.7 100.1
 43 31.6 25.8 38.8



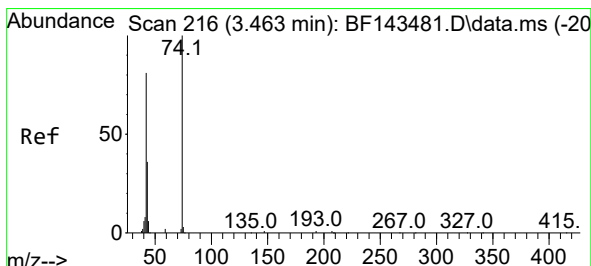
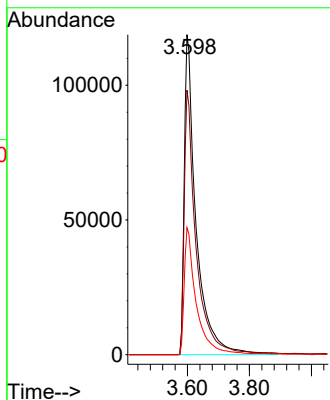
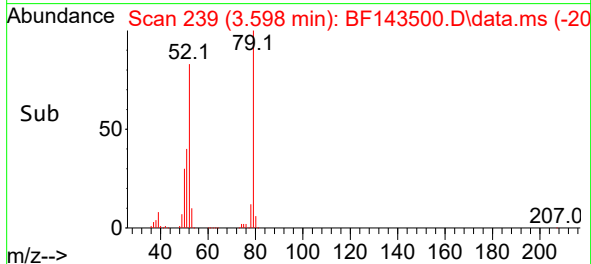


#3
Pyridine
Concen: 34.051 ng
RT: 3.598 min Scan# 211
Delta R.T. 0.082 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

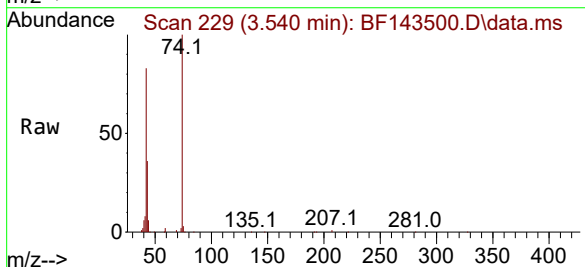
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BNA_F
ClientSampleId :
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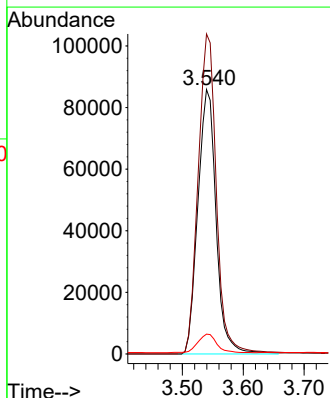
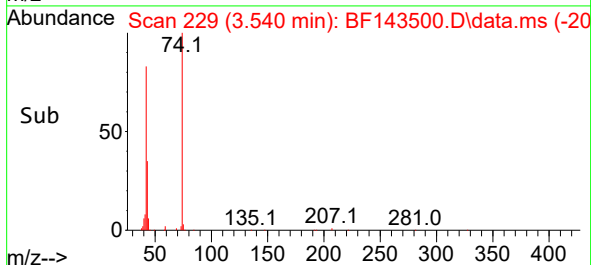
Tgt Ion: 79 Resp: 315644
Ion Ratio Lower Upper
79 100
52 82.6 65.6 98.4
51 39.7 31.2 46.8

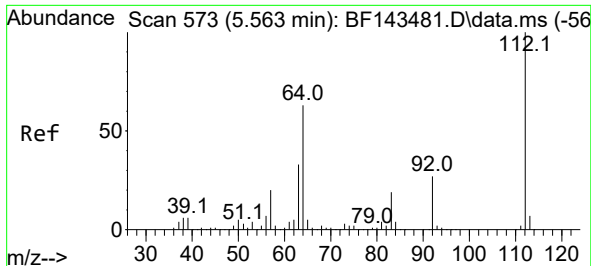


#4
n-Nitrosodimethylamine
Concen: 42.937 ng
RT: 3.540 min Scan# 229
Delta R.T. 0.065 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion: 42 Resp: 178922
Ion Ratio Lower Upper
42 100
74 121.0 98.6 148.0
44 7.5 5.8 8.8

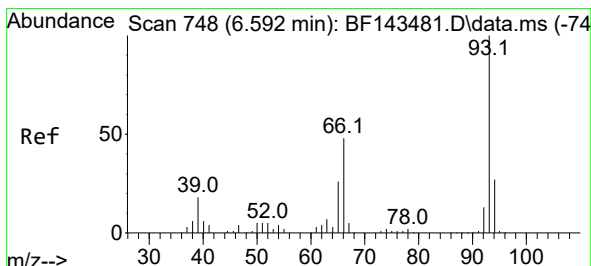
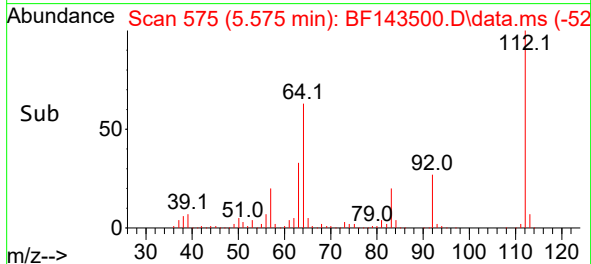
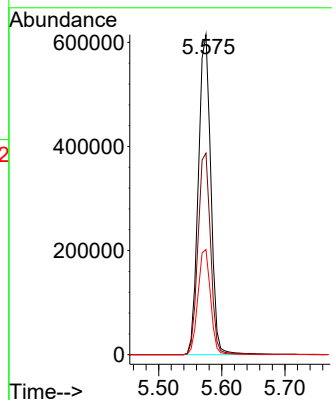
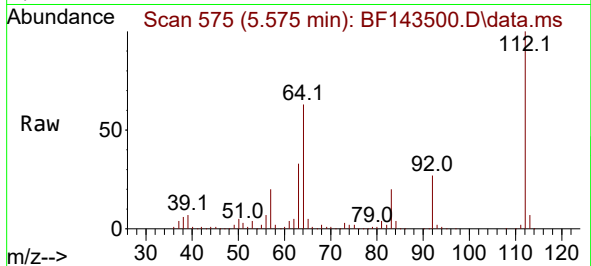




#5
2-Fluorophenol
Concen: 112.429 ng
RT: 5.575 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

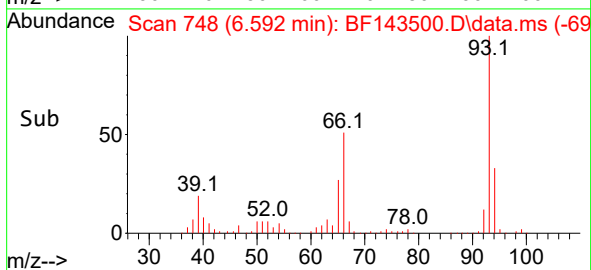
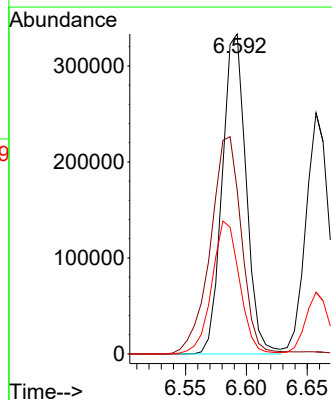
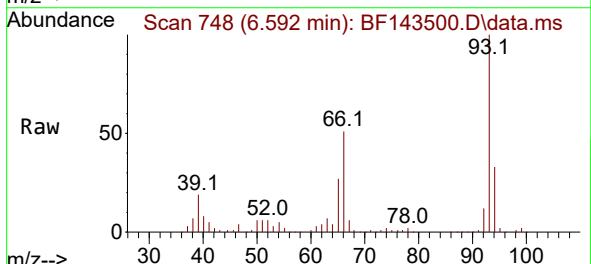
Instrument :
BNA_F
ClientSampleId :
PB169223BS

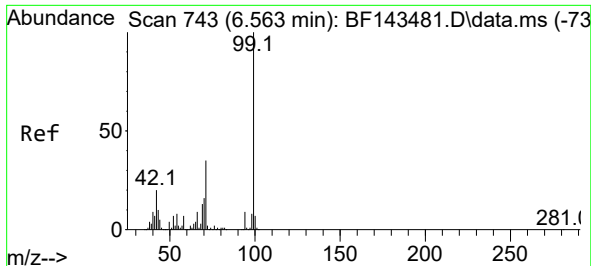
Tgt Ion:112 Resp: 844659
Ion Ratio Lower Upper
112 100
64 63.0 50.4 75.6
63 32.9 26.4 39.6



#6
Aniline
Concen: 36.752 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 93 Resp: 455595
Ion Ratio Lower Upper
93 100
66 51.2 38.9 58.3
65 27.3 20.6 30.8

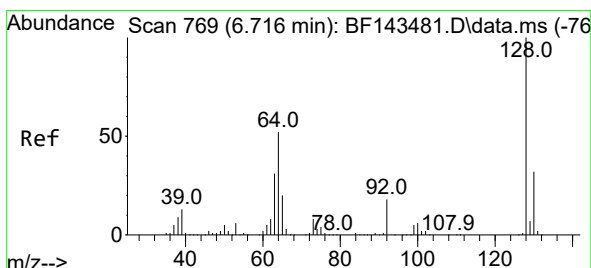
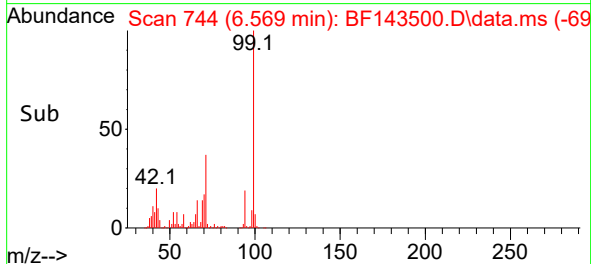
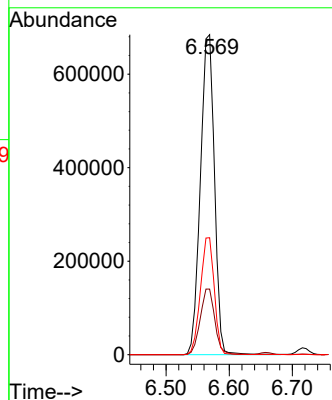
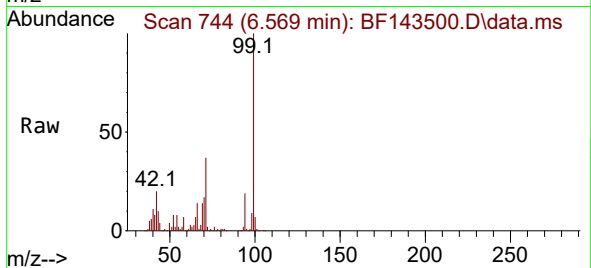




#7
Phenol-d6
Concen: 114.184 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

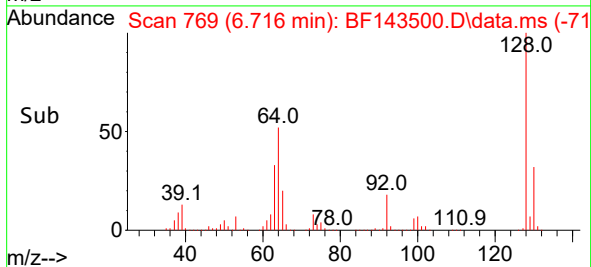
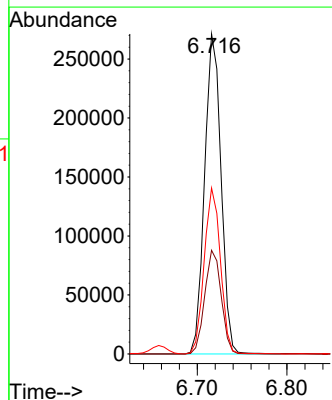
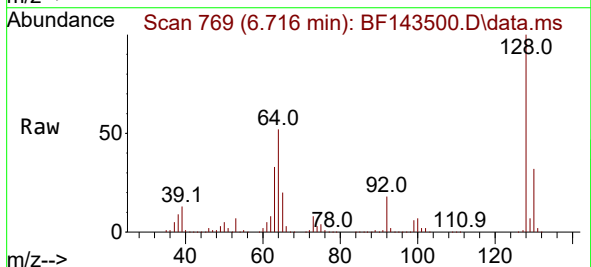
Instrument :
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ClientSampleId :
PB169223BS

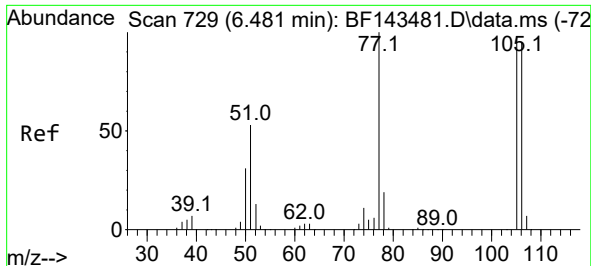
Tgt Ion: 99 Resp: 1058961
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 36.6 28.2 42.2



#8
2-Chlorophenol
Concen: 41.618 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 128 Resp: 345347
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 51.9 31.6 71.6

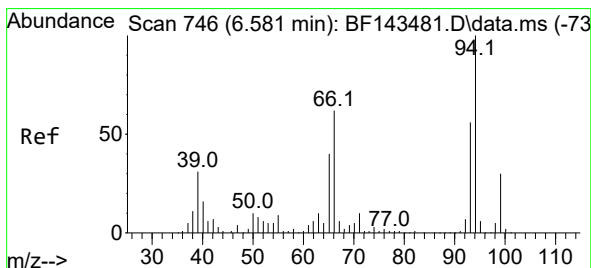
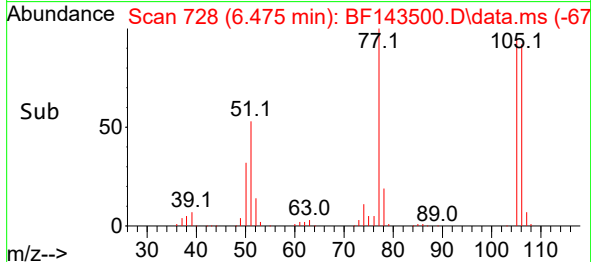
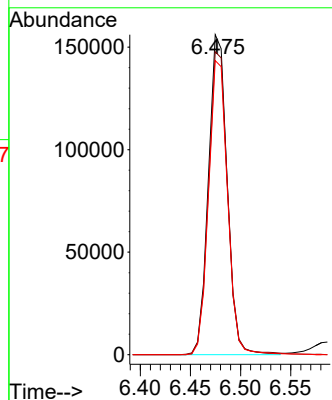
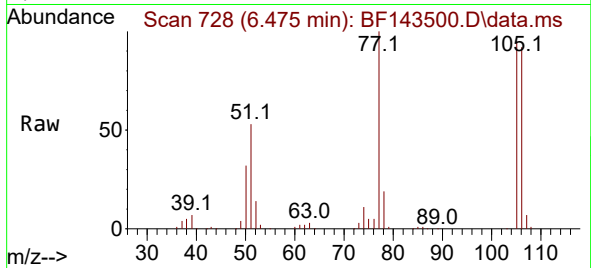




#9
Benzaldehyde
Concen: 27.013 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

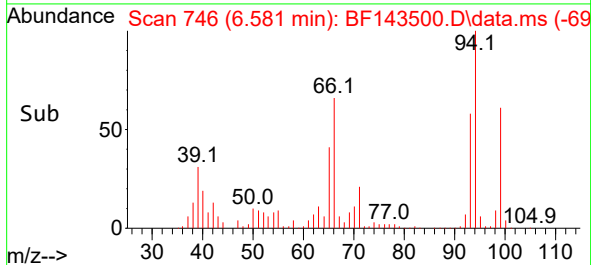
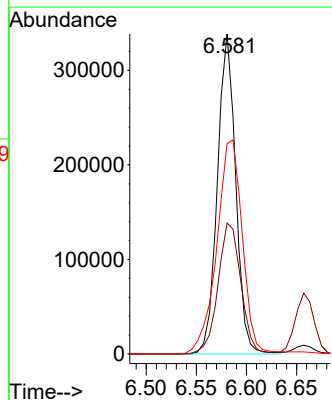
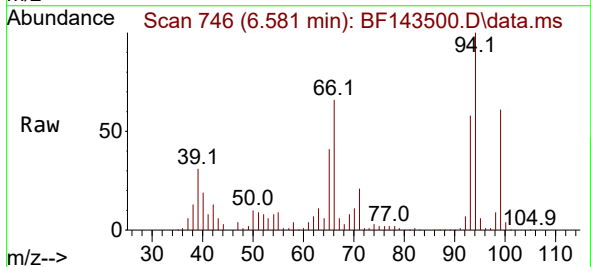
Instrument :
BNA_F
ClientSampleId :
PB169223BS

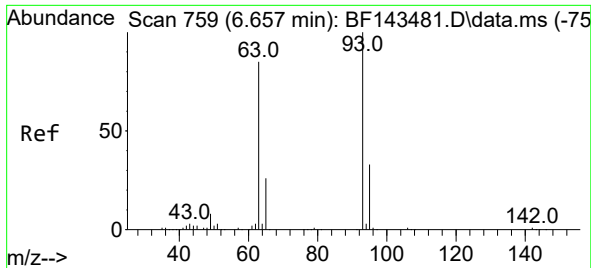
Tgt Ion: 77 Resp: 202831
Ion Ratio Lower Upper
77 100
105 94.7 78.1 118.1
106 91.9 74.9 114.9



#10
Phenol
Concen: 40.214 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 94 Resp: 429646
Ion Ratio Lower Upper
94 100
65 40.9 19.5 59.5
66 65.8 42.5 82.5

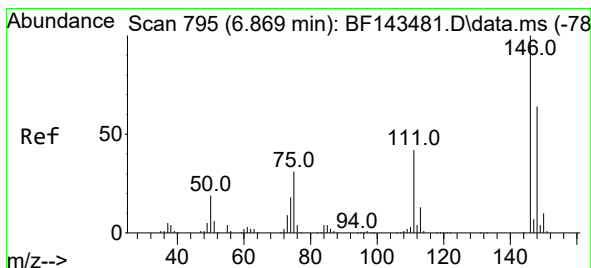
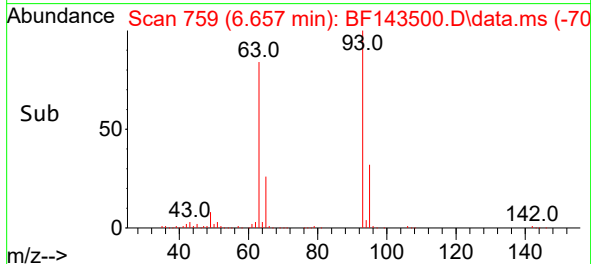
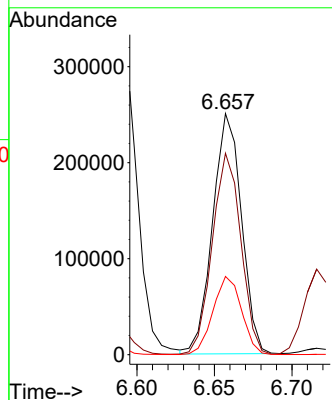
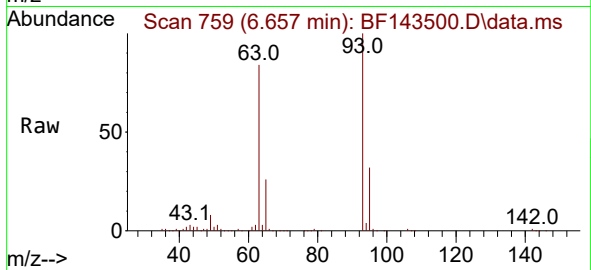




#11
bis(2-Chloroethyl)ether
Concen: 40.641 ng
RT: 6.657 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

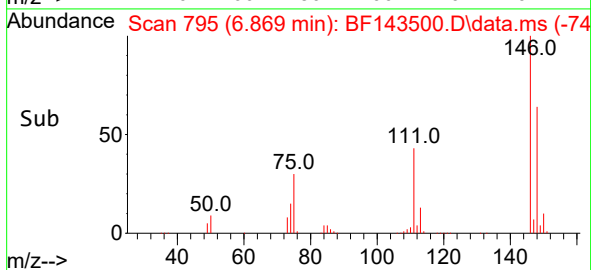
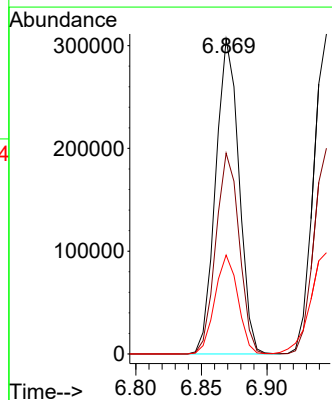
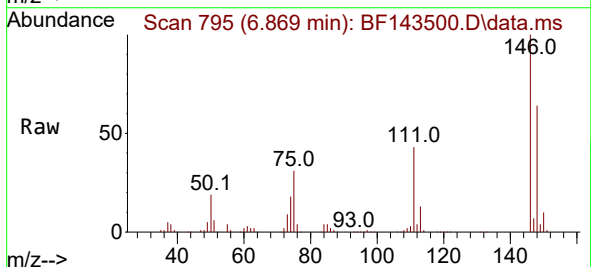
Instrument :
BNA_F
ClientSampleId :
PB169223BS

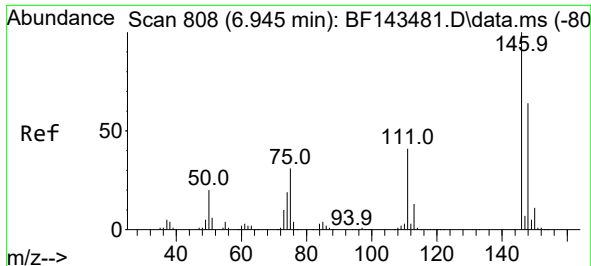
Tgt Ion:	93	Resp:	324476
Ion	Ratio	Lower	Upper
93	100		
63	83.6	63.6	103.6
95	32.5	12.8	52.8



#12
1,3-Dichlorobenzene
Concen: 40.607 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

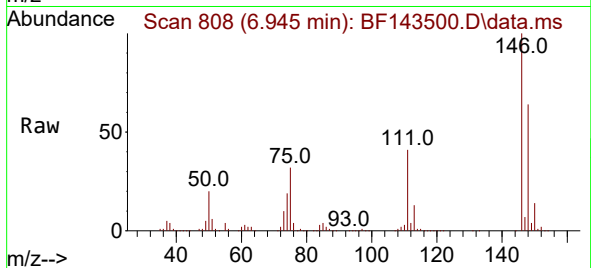
Tgt Ion:	146	Resp:	378602
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
75	31.4	24.7	37.1



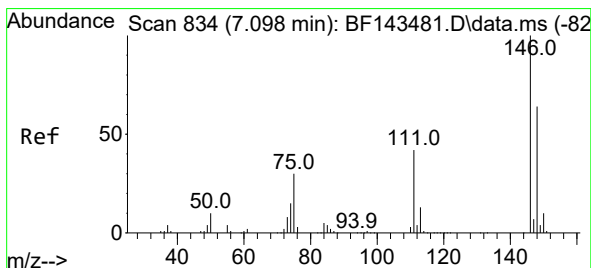
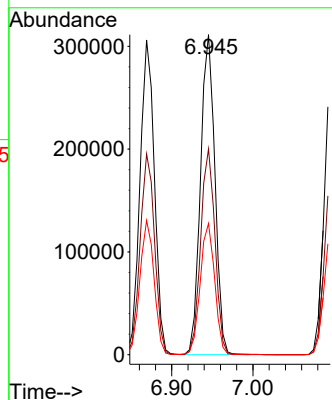
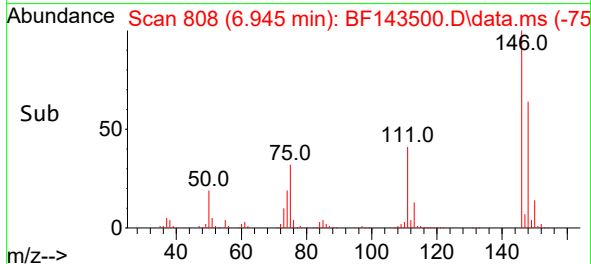


#13
1,4-Dichlorobenzene
Concen: 41.077 ng
RT: 6.945 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

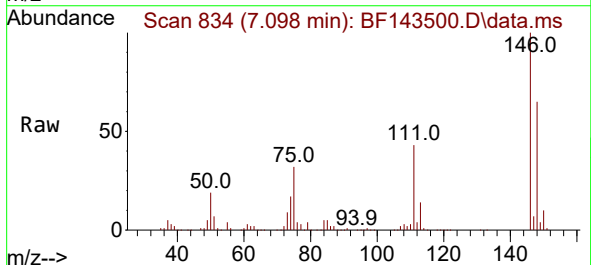
Instrument :
BNA_F
ClientSampleId :
PB169223BS



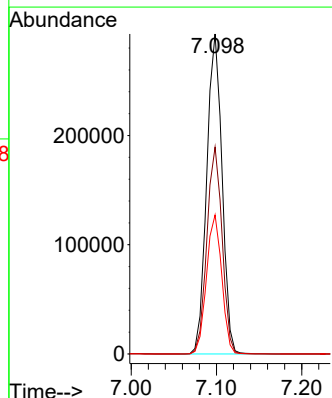
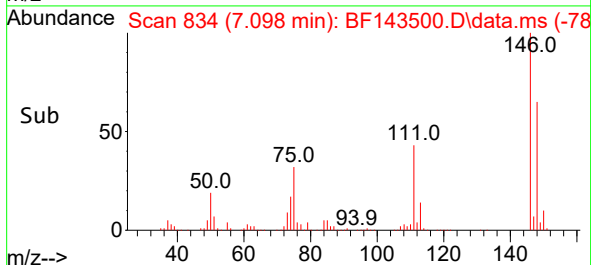
Tgt Ion:146 Resp: 384169
Ion Ratio Lower Upper
146 100
148 64.3 51.5 77.3
111 41.0 32.6 49.0

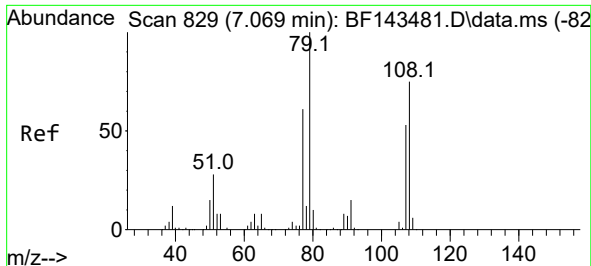


#14
1,2-Dichlorobenzene
Concen: 41.250 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:146 Resp: 365259
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
111 43.4 34.0 51.0

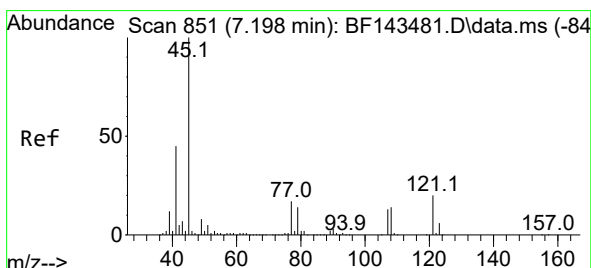
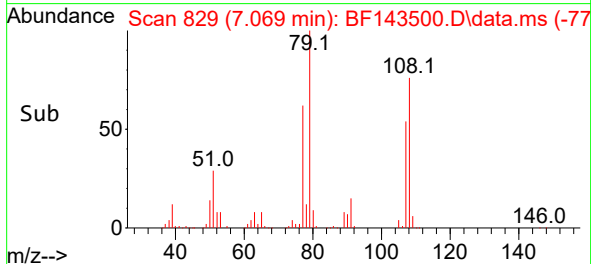
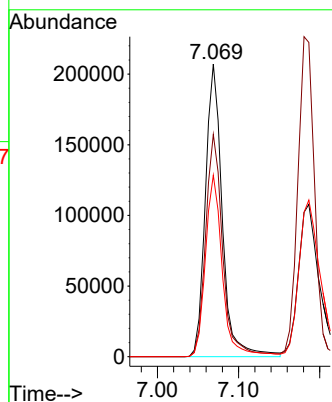
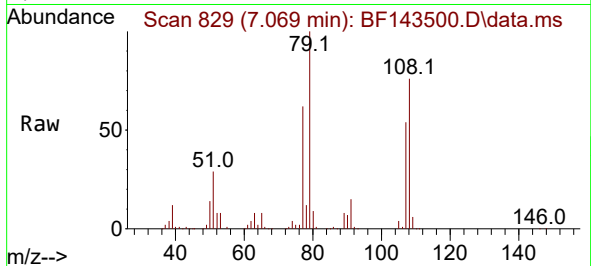




#15
Benzyl Alcohol
Concen: 43.044 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

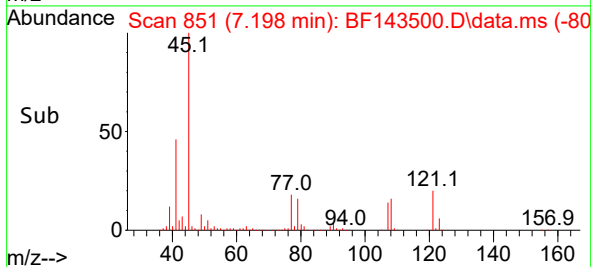
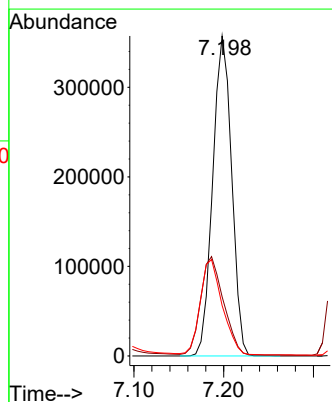
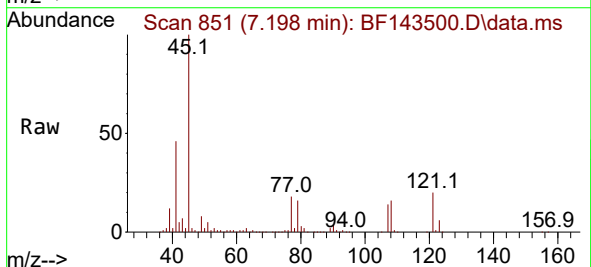
Instrument :
BNA_F
ClientSampleId :
PB169223BS

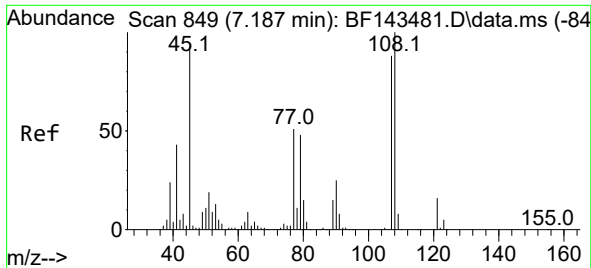
Tgt Ion: 79 Resp: 298873
Ion Ratio Lower Upper
79 100
108 76.0 59.8 89.6
77 62.0 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.970 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

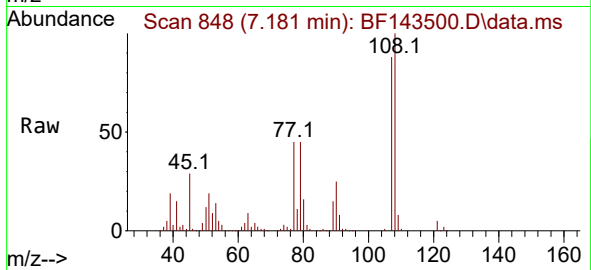
Tgt Ion: 45 Resp: 523318
Ion Ratio Lower Upper
45 100
77 18.5 0.0 37.9
79 15.7 0.0 34.7



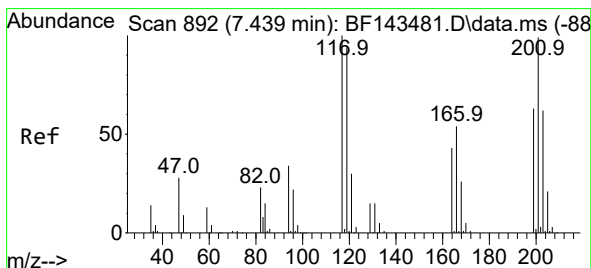
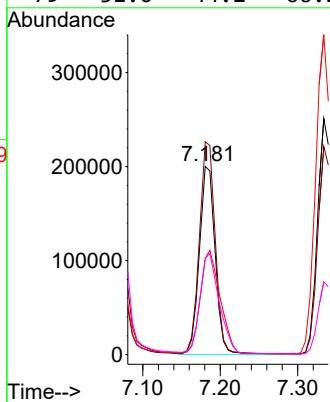
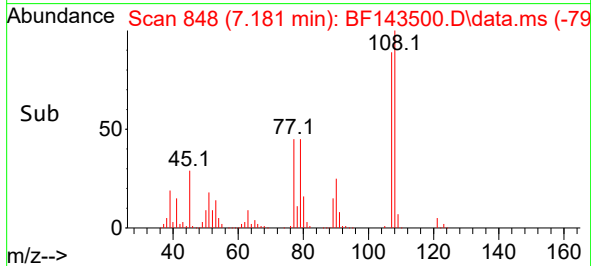


#17
2-Methylphenol
Concen: 42.710 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :
BNA_F
ClientSampleId :
PB169223BS

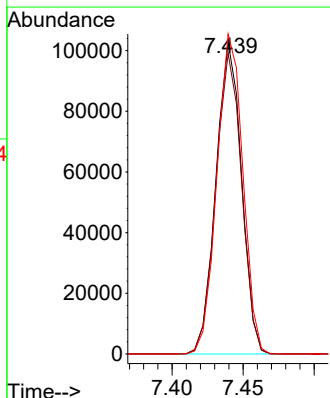
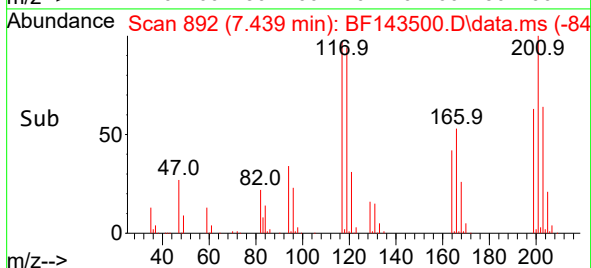
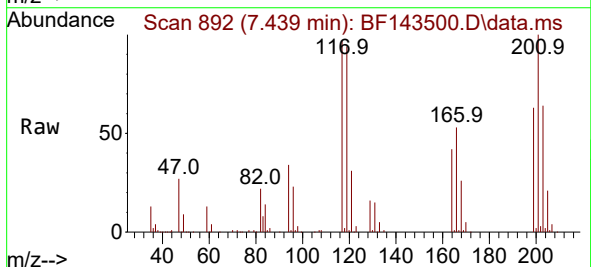


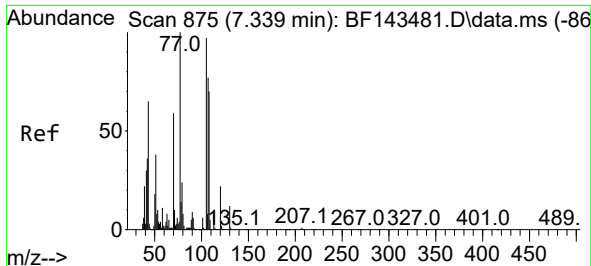
Tgt Ion:	107	Resp:	284449
Ion	Ratio	Lower	Upper
107	100		
108	113.1	91.1	136.7
77	51.0	46.2	69.4
79	51.0	44.2	66.2



#18
Hexachloroethane
Concen: 40.532 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:	117	Resp:	128886
Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.4	113.0
201	102.6	79.0	118.4





#19

n-Nitroso-di-n-propylamine

Concen: 42.409 ng

RT: 7.339 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

Tgt Ion: 70 Resp: 240395

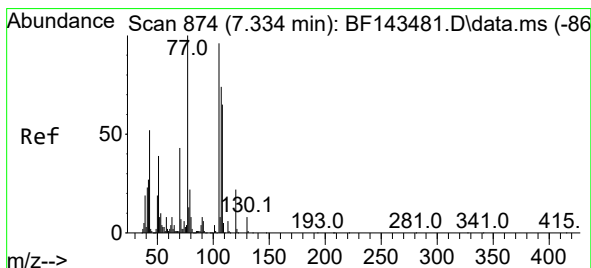
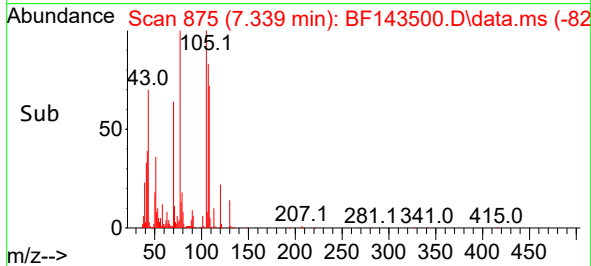
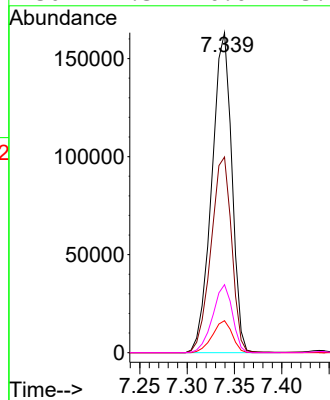
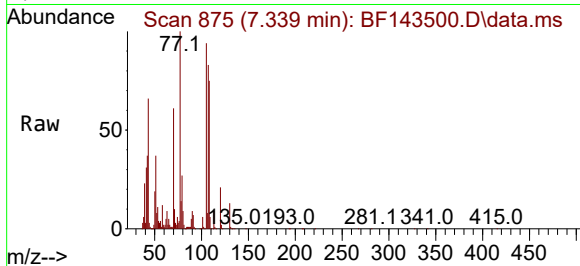
Ion Ratio Lower Upper

70 100

42 61.2 49.3 73.9

101 10.0 7.8 11.8

130 21.3 16.6 25.0



#20

3+4-Methylphenols

Concen: 43.085 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Tgt Ion: 107 Resp: 342541

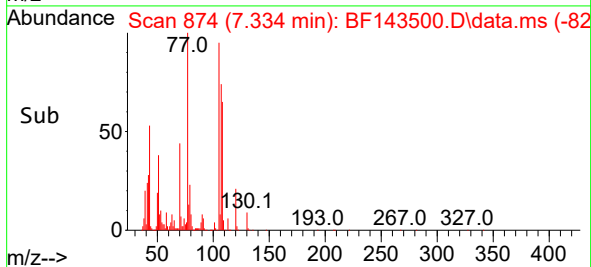
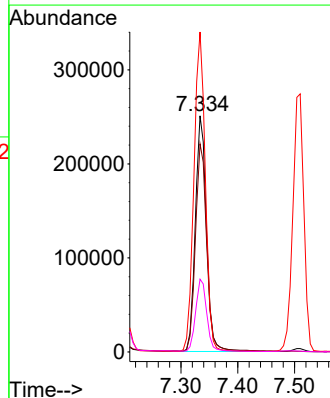
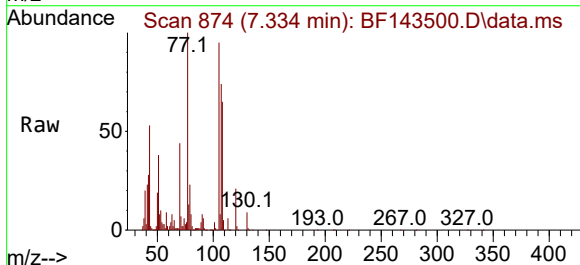
Ion Ratio Lower Upper

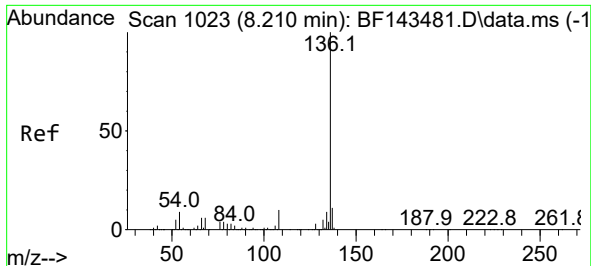
107 100

108 88.1 68.4 108.4

77 135.5 116.1 156.1

79 30.9 9.8 49.8

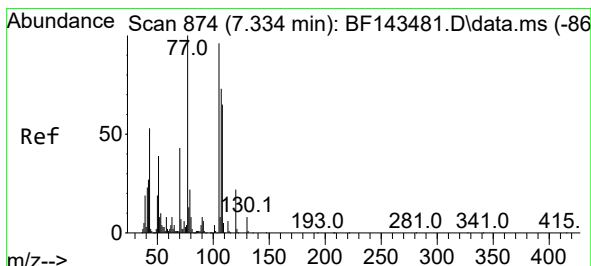
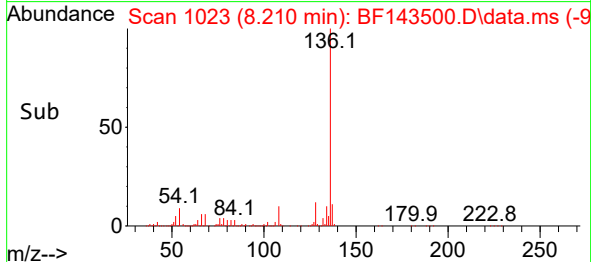
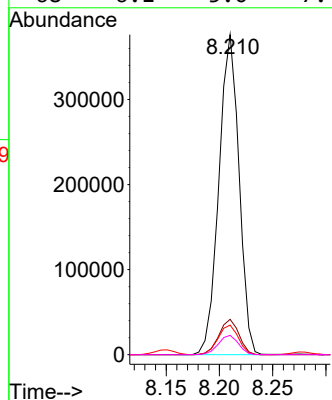
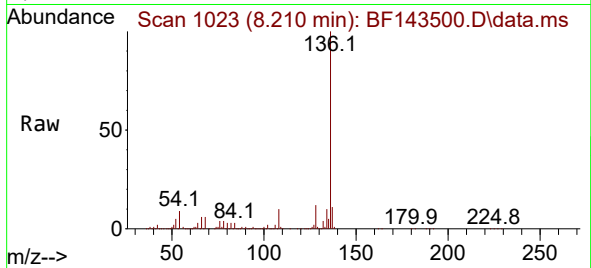




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

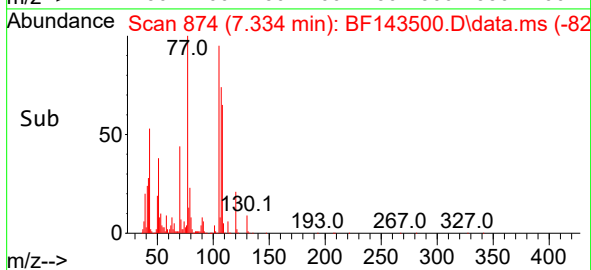
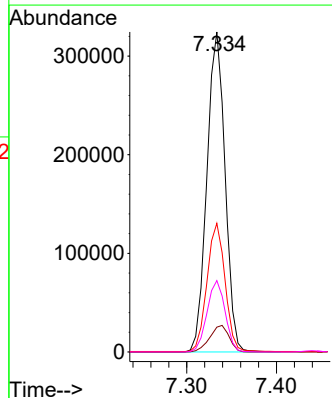
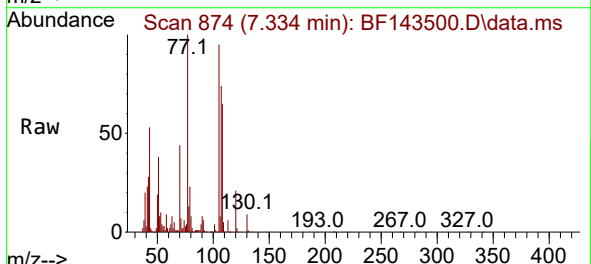
Instrument :
BNA_F
ClientSampleId :
PB169223BS

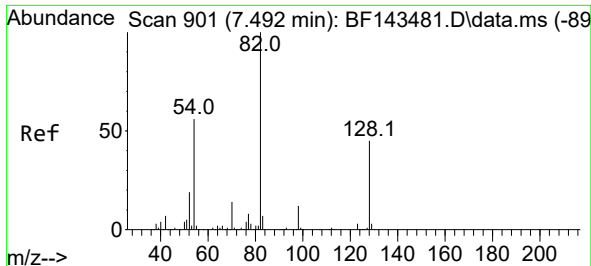
Tgt Ion:136	Resp: 492884
Ion Ratio	Lower Upper
136 100	
137 11.1	9.0 13.4
54 9.3	7.4 11.2
68 6.1	5.0 7.4



#22
Acetophenone
Concen: 42.875 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt	Ion:105	Resp:	456555
Ion	Ratio	Lower	Upper
105	100		
71	7.7	5.9	8.9
51	40.2	32.5	48.7
120	22.3	18.0	27.0





#23

Nitrobenzene-d5

Concen: 84.122 ng

RT: 7.486 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

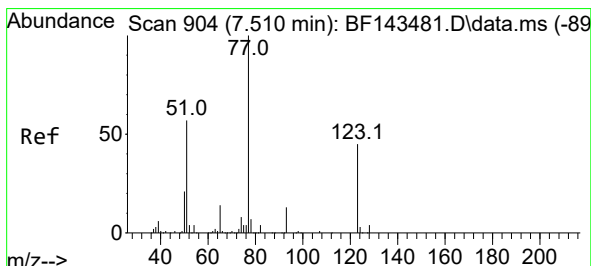
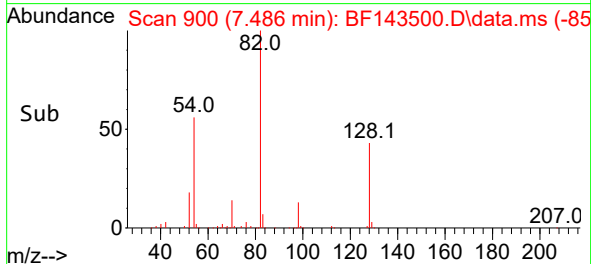
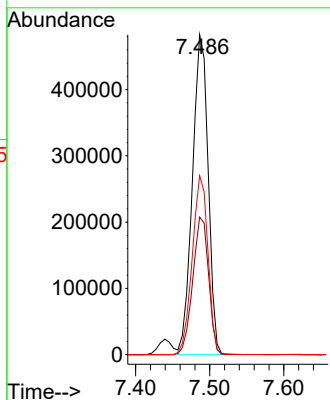
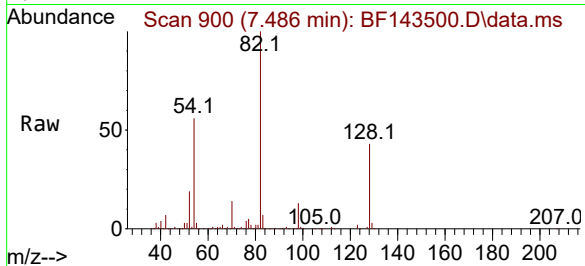
Tgt Ion: 82 Resp: 710526

Ion Ratio Lower Upper

82 100

128 43.0 35.5 53.3

54 55.9 44.3 66.5



#24

Nitrobenzene

Concen: 42.236 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

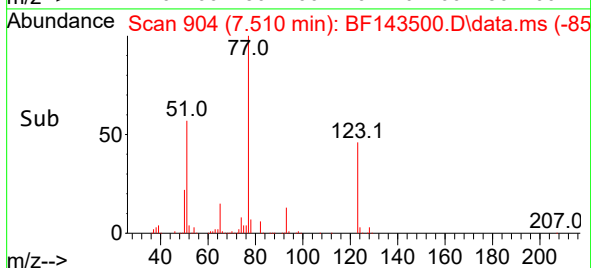
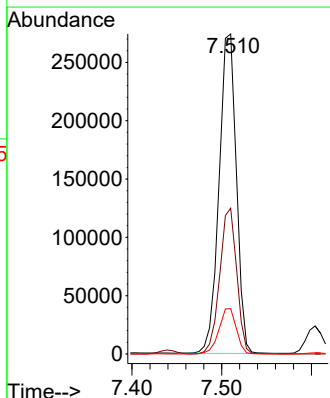
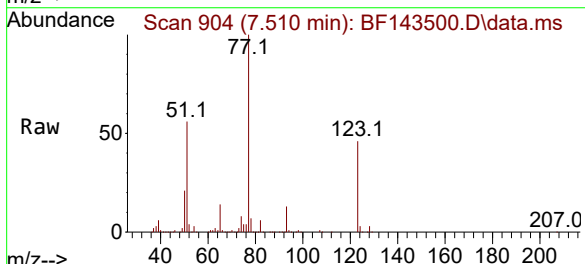
Tgt Ion: 77 Resp: 367167

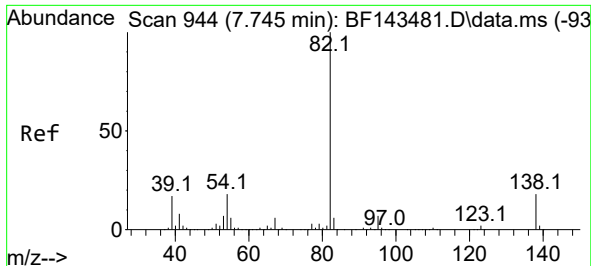
Ion Ratio Lower Upper

77 100

123 45.6 36.1 54.1

65 14.2 11.0 16.6

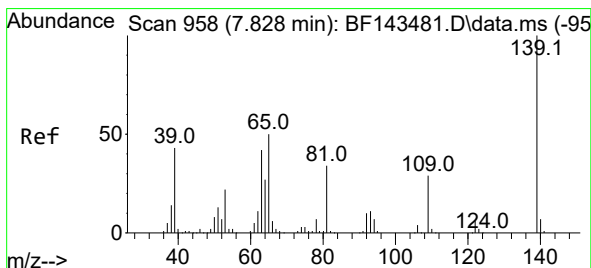
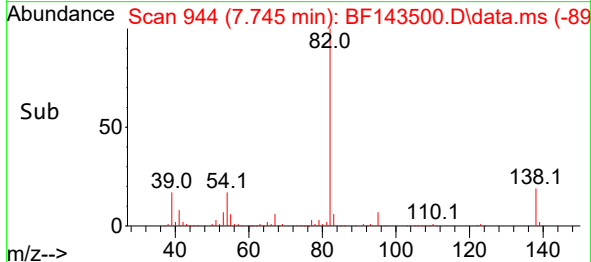
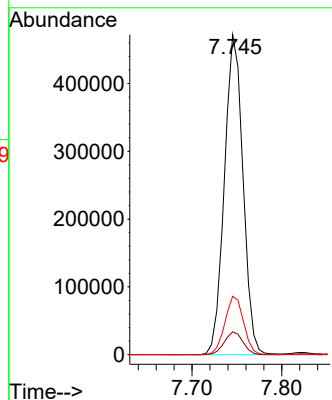
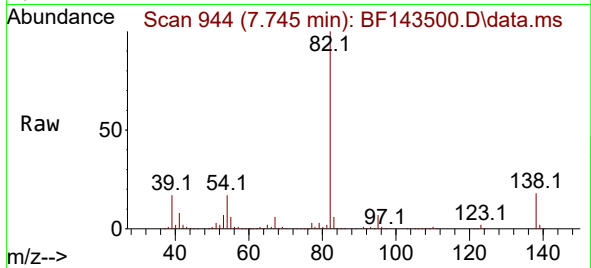




#25
Isophorone
Concen: 43.904 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

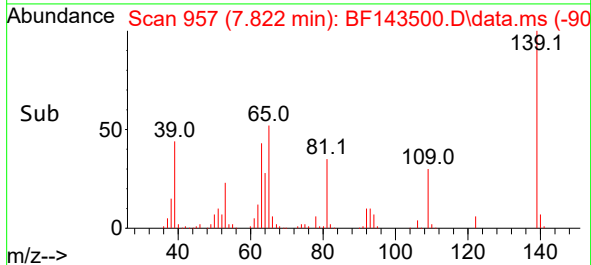
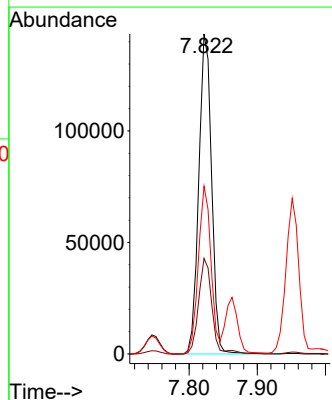
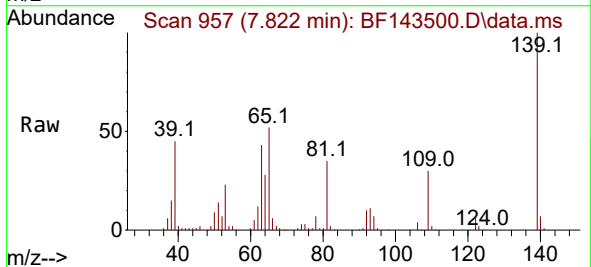
Instrument :
BNA_F
ClientSampleId :
PB169223BS

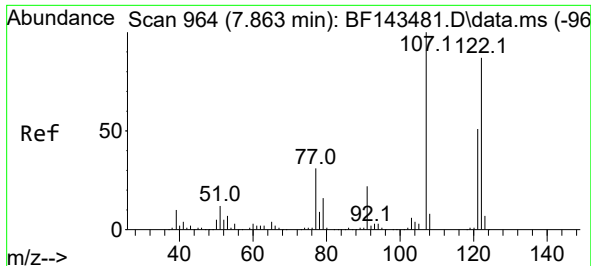
Tgt Ion: 82 Resp: 679763
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 18.2 14.2 21.4



#26
2-Nitrophenol
Concen: 44.059 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:139 Resp: 187617
Ion Ratio Lower Upper
139 100
109 29.9 23.0 34.6
65 52.4 40.3 60.5

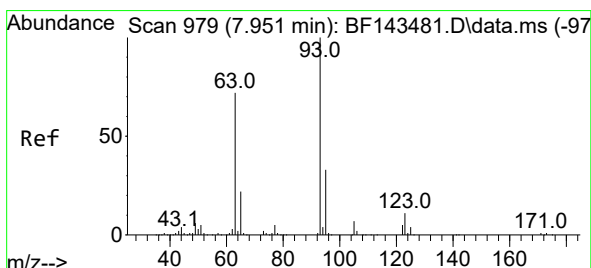
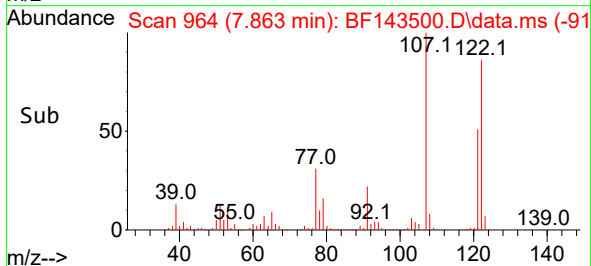
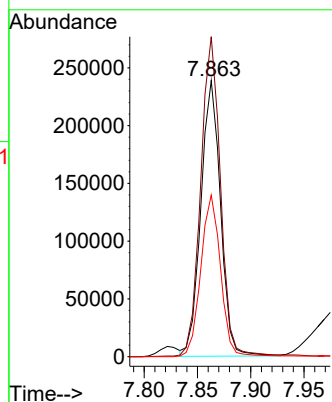
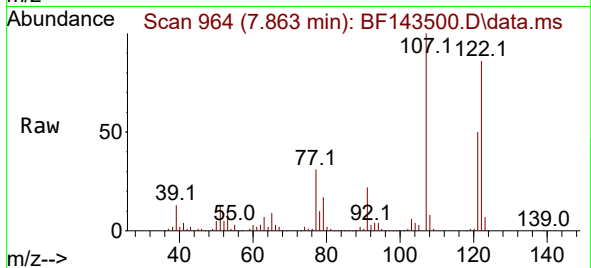




#27
2,4-Dimethylphenol
Concen: 46.263 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

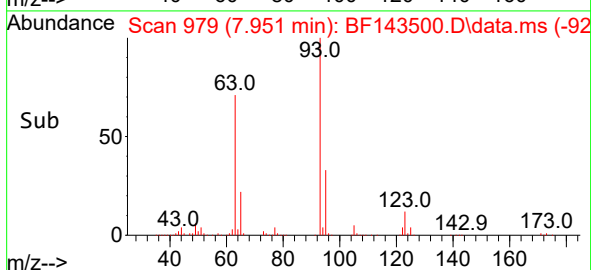
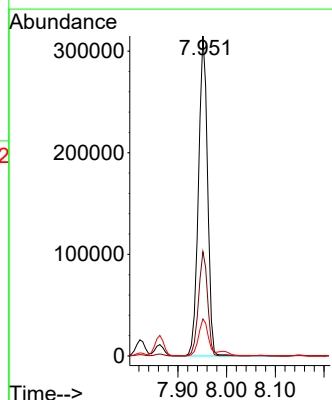
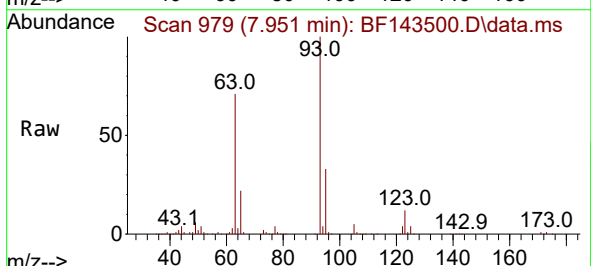
Instrument :
BNA_F
ClientSampleId :
PB169223BS

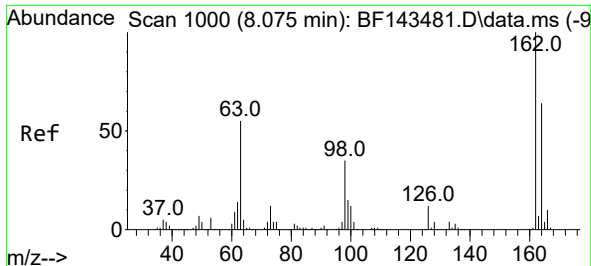
Tgt Ion:122 Resp: 307096
Ion Ratio Lower Upper
122 100
107 115.8 91.5 137.3
121 58.5 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 43.281 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 93 Resp: 411823
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 42.651 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

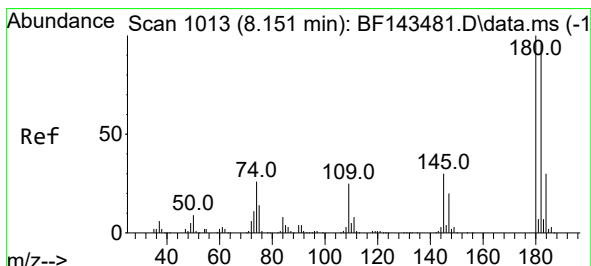
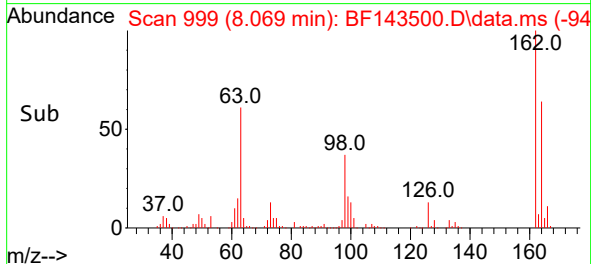
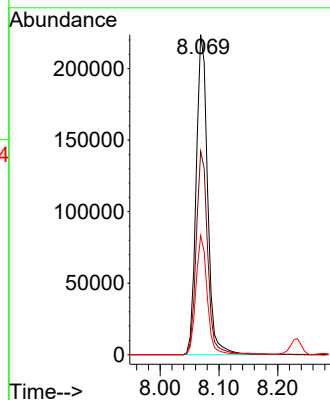
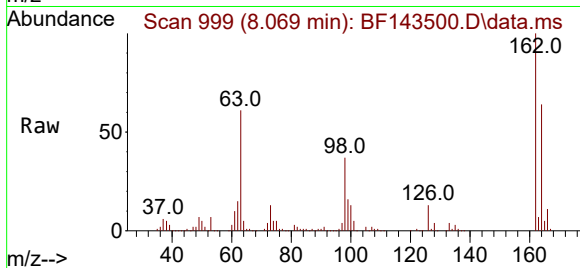
Tgt Ion:162 Resp: 302376

Ion Ratio Lower Upper

162 100

164 63.6 43.5 83.5

98 37.2 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 44.069 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

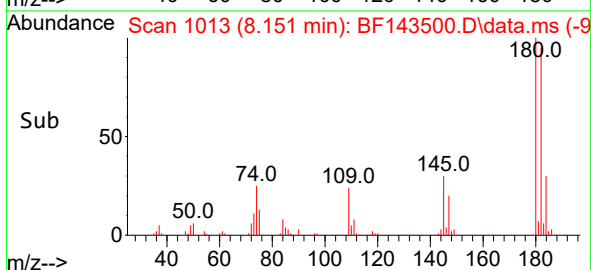
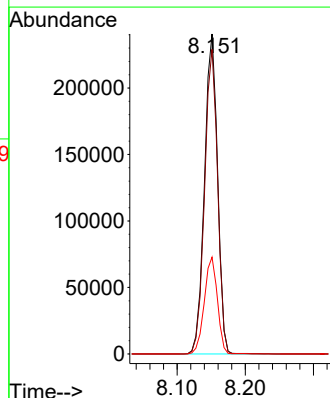
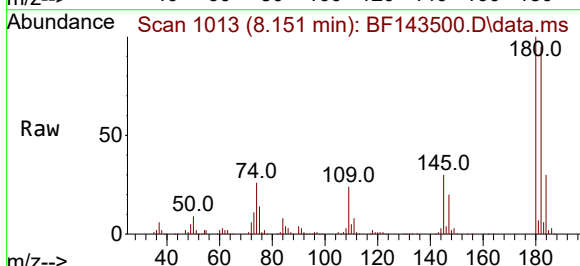
Tgt Ion:180 Resp: 321220

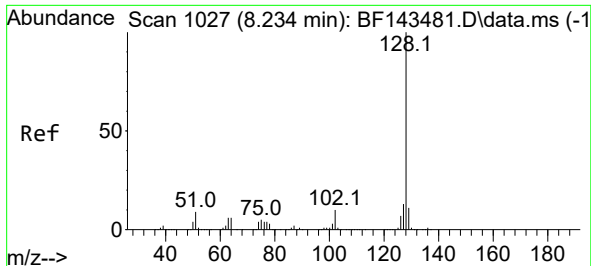
Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 30.2 24.3 36.5





#31

Naphthalene

Concen: 41.359 ng

RT: 8.233 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

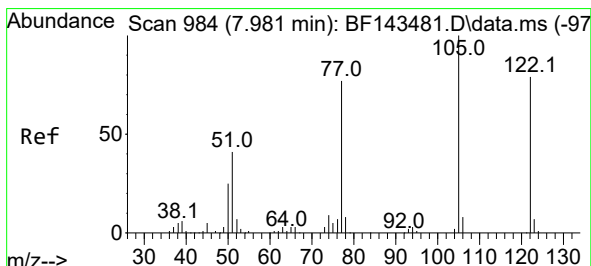
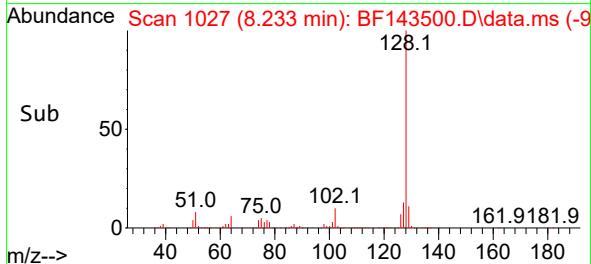
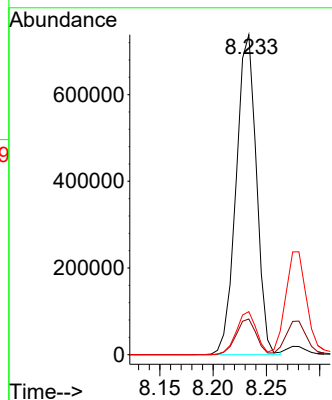
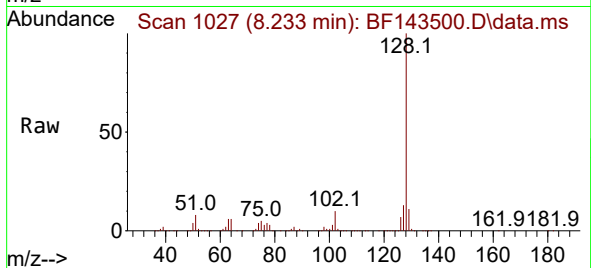
Tgt Ion:128 Resp: 978696

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 41.568 ng

RT: 7.992 min Scan# 986

Delta R.T. -0.018 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

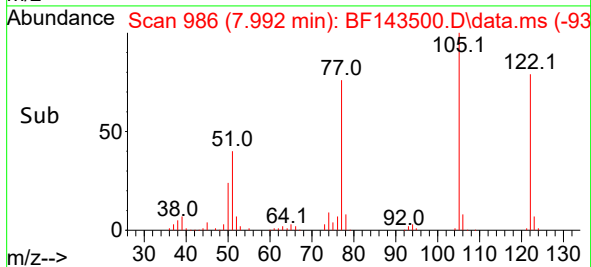
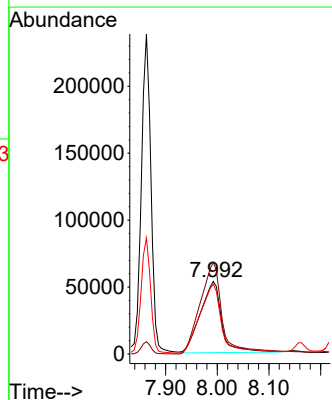
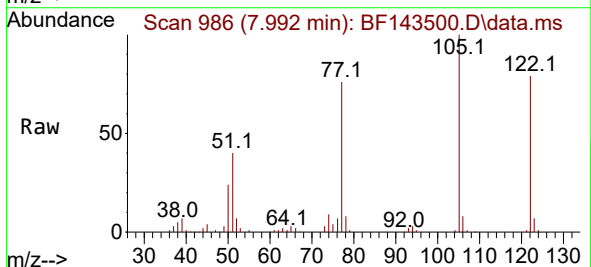
Tgt Ion:122 Resp: 153463

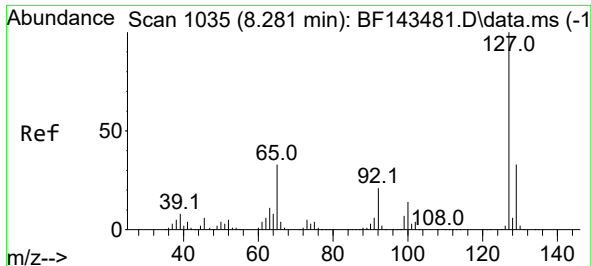
Ion Ratio Lower Upper

122 100

105 126.5 104.7 144.7

77 96.4 77.3 117.3

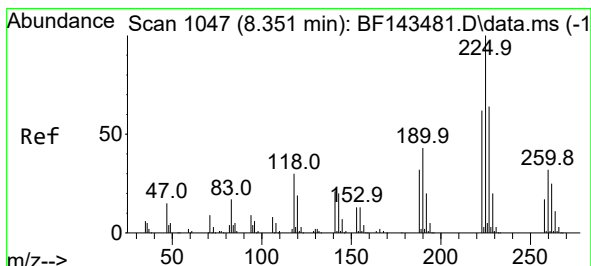
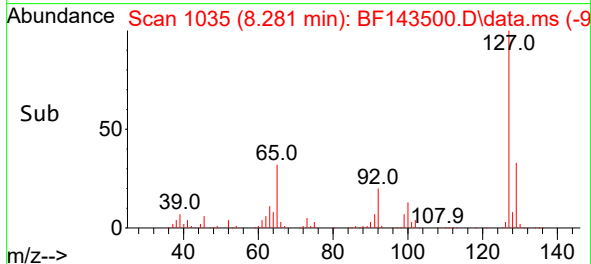
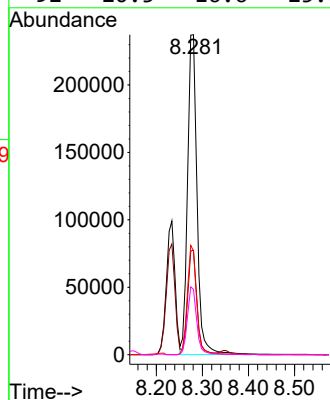
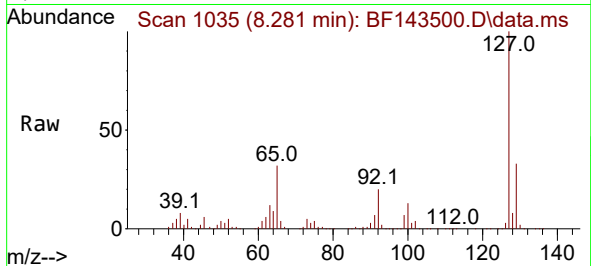




#33
4-Chloroaniline
Concen: 40.362 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

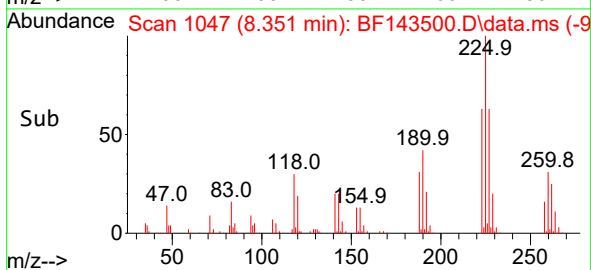
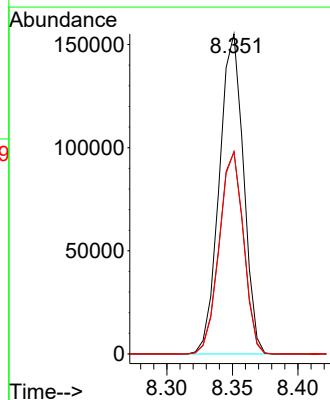
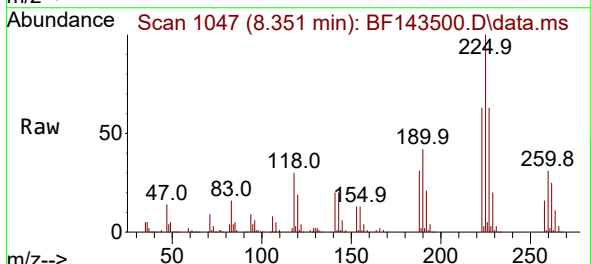
Instrument :
BNA_F
ClientSampleId :
PB169223BS

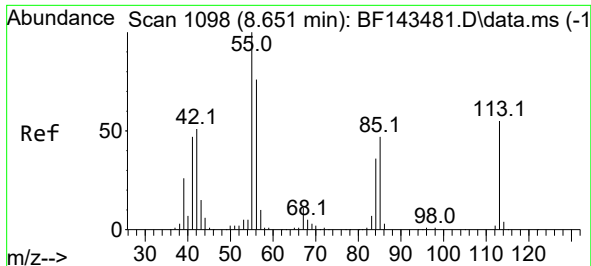
Tgt Ion:	127	Resp:	338991
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	32.5	26.2	39.2
92	20.5	16.6	25.0



#34
Hexachlorobutadiene
Concen: 41.793 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:	225	Resp:	198748
Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.9	74.9
227	63.2	50.9	76.3

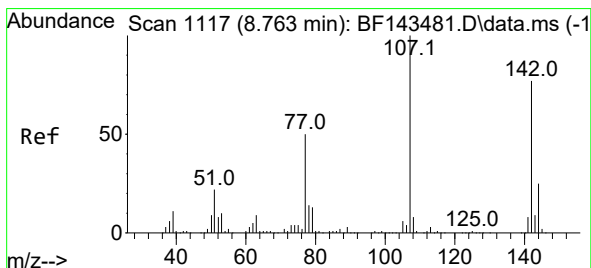
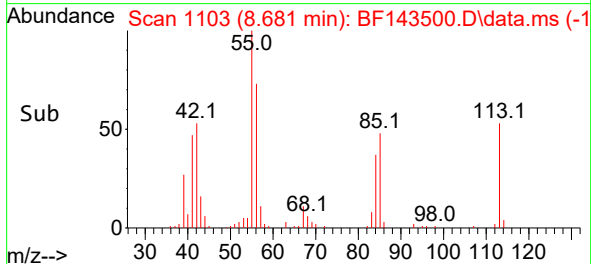
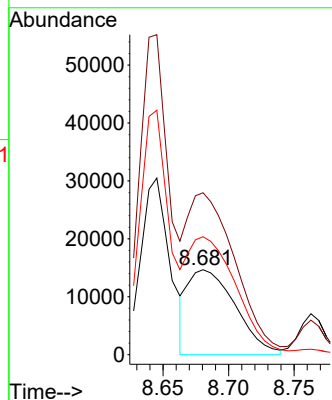
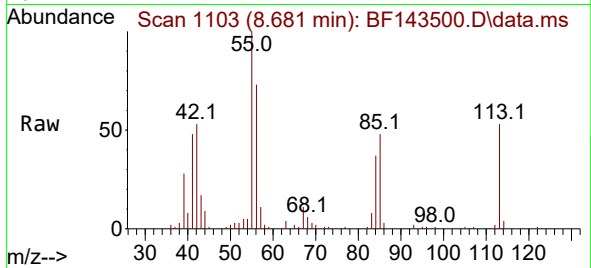




#35
 Caprolactam
 Concen: 21.841 ng
 RT: 8.681 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

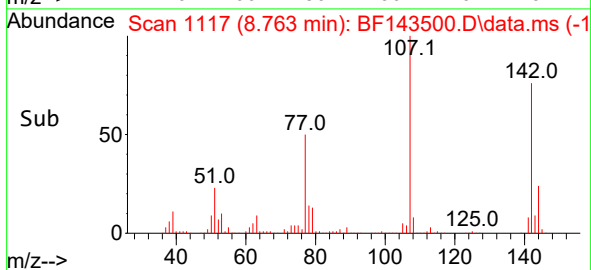
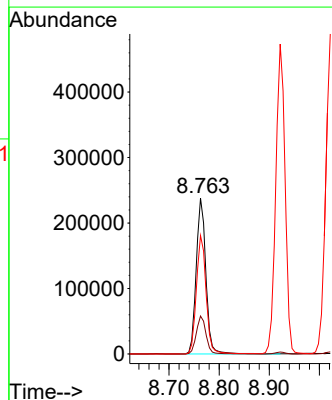
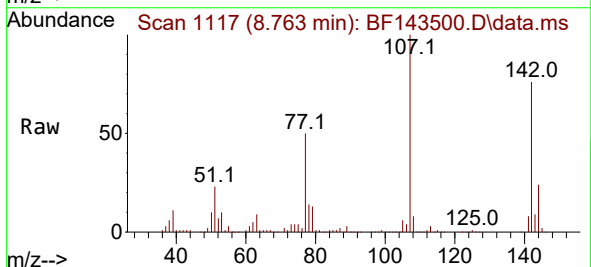
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

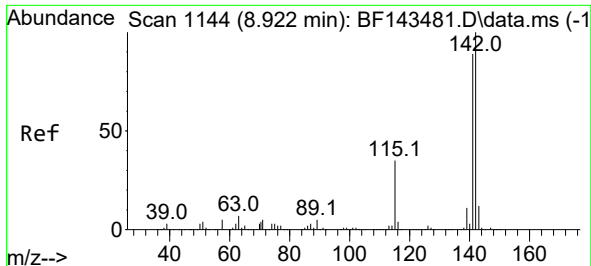
Tgt Ion:113 Resp: 37156
 Ion Ratio Lower Upper
 113 100
 55 190.4 162.8 202.8
 56 138.7 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 44.738 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Tgt Ion:107 Resp: 317848
 Ion Ratio Lower Upper
 107 100
 144 24.3 19.9 29.9
 142 75.9 61.8 92.8

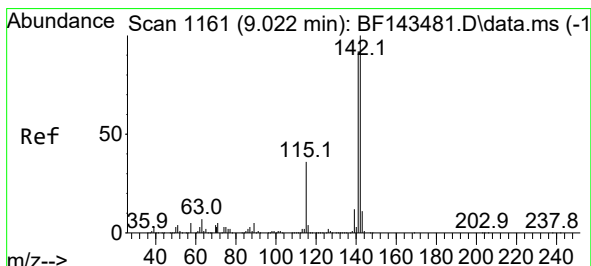
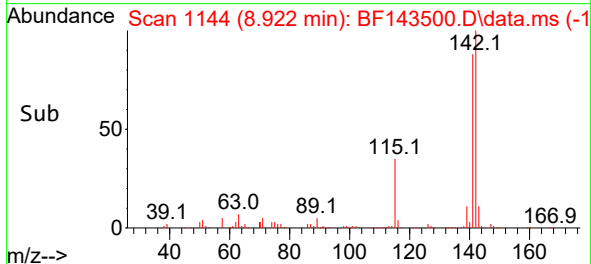
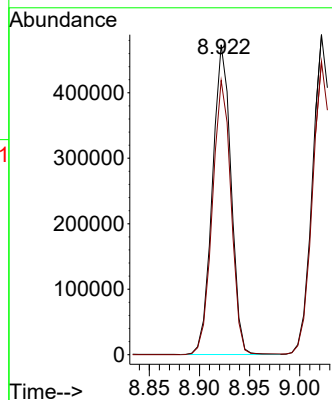
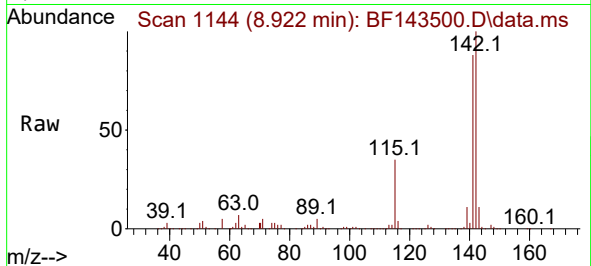




#37
2-Methylnaphthalene
Concen: 38.588 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

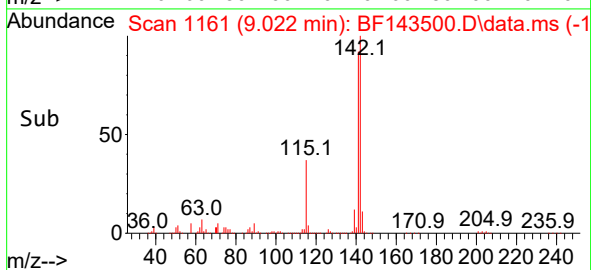
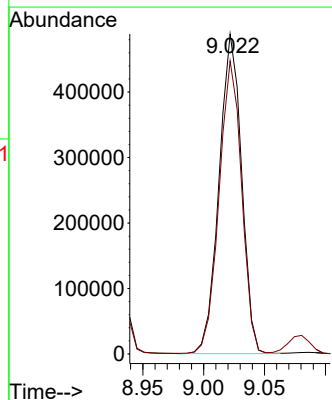
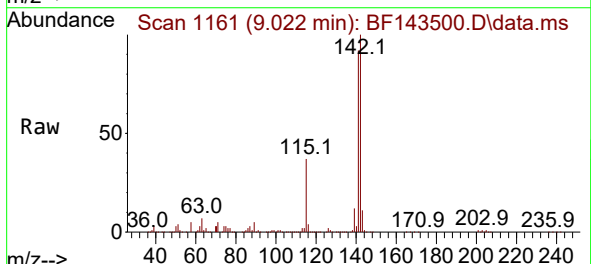
Instrument :
BNA_F
ClientSampleId :
PB169223BS

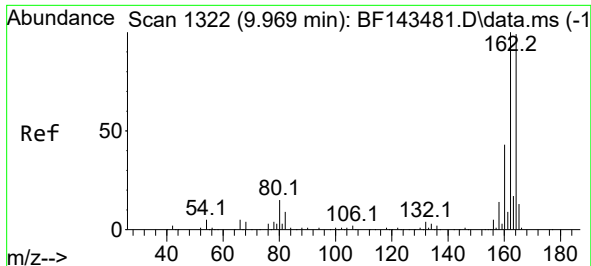
Tgt Ion:142 Resp: 609862
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.4



#38
1-Methylnaphthalene
Concen: 41.560 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:142 Resp: 628292
Ion Ratio Lower Upper
142 100
141 91.6 73.3 109.9

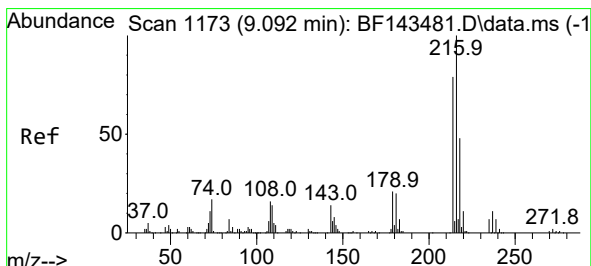
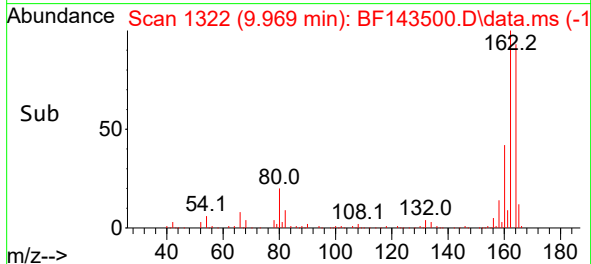
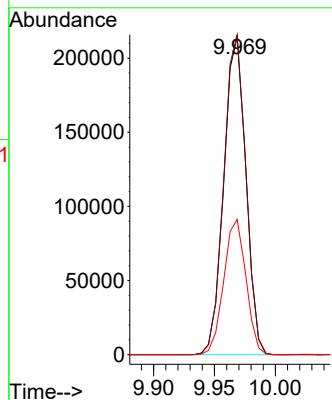
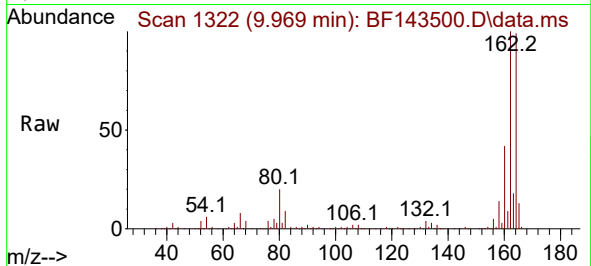




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

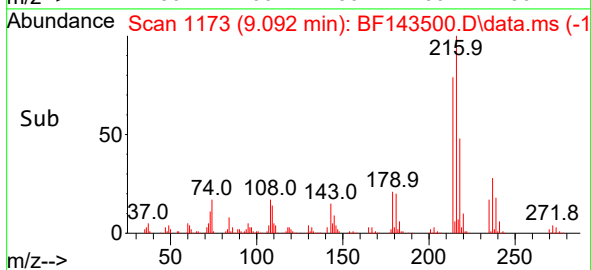
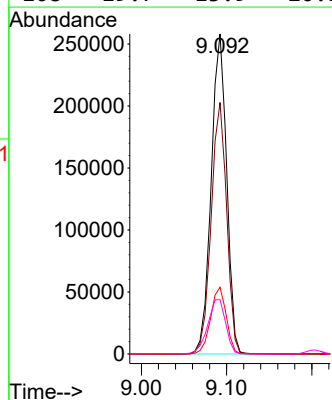
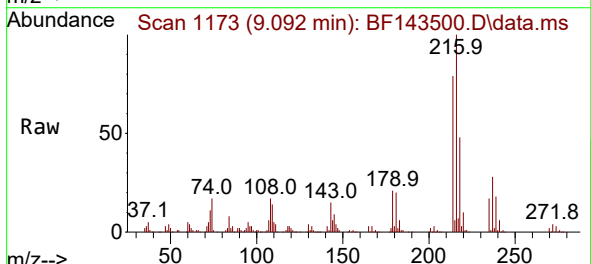
Instrument :
BNA_F
ClientSampleId :
PB169223BS

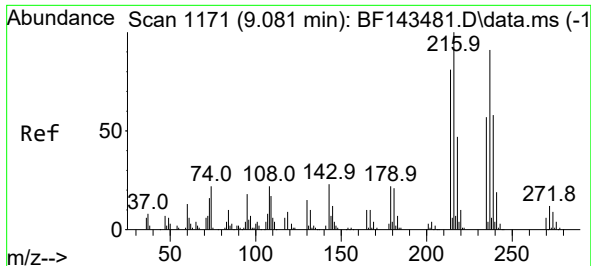
Tgt Ion:164 Resp: 270237
Ion Ratio Lower Upper
164 100
162 100.8 80.5 120.7
160 42.6 34.3 51.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.123 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

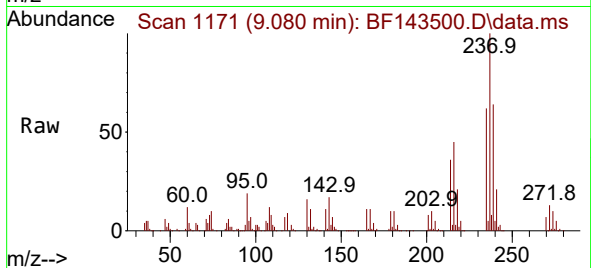
Tgt Ion:216 Resp: 325599
Ion Ratio Lower Upper
216 100
214 78.6 63.4 95.0
179 21.1 16.5 24.7
108 19.7 13.9 20.9



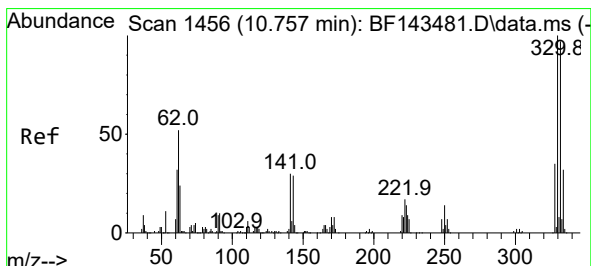
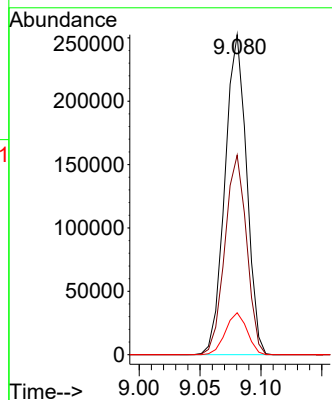
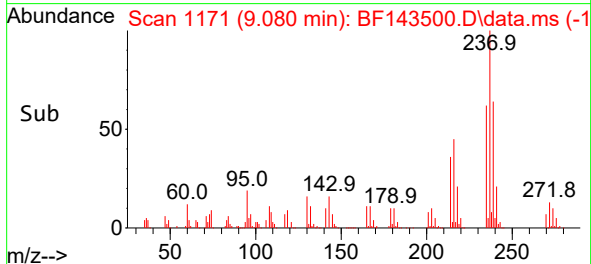


#41
Hexachlorocyclopentadiene
Concen: 102.172 ng
RT: 9.080 min Scan# 1171
Delta R.T. -0.001 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

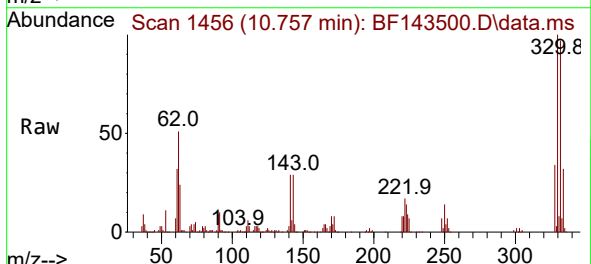
Instrument :
BNA_F
ClientSampleId :
PB169223BS



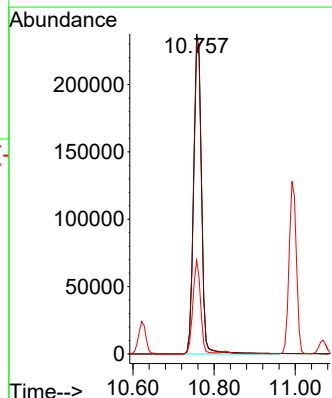
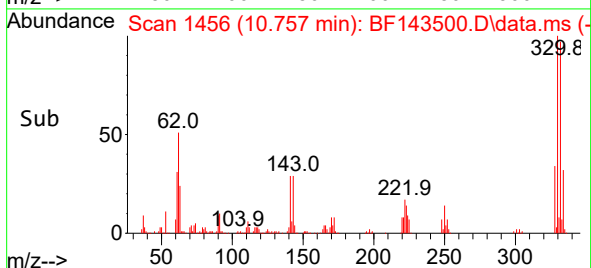
Tgt Ion: 237 Resp: 312701
Ion Ratio Lower Upper
237 100
235 62.4 42.6 82.6
272 13.1 0.0 33.4

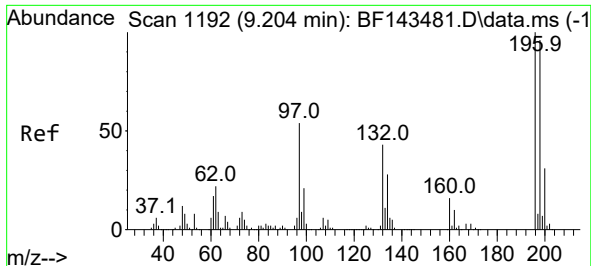


#42
2,4,6-Tribromophenol
Concen: 128.193 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



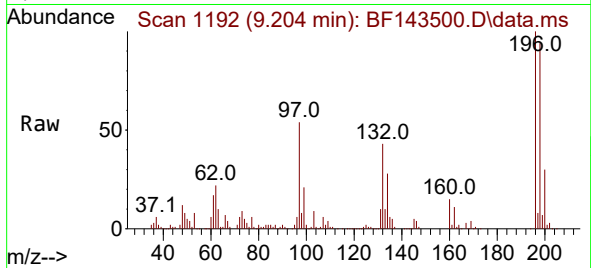
Tgt Ion: 330 Resp: 322470
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 28.1 23.7 35.5



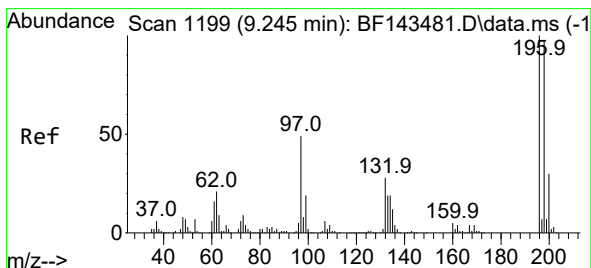
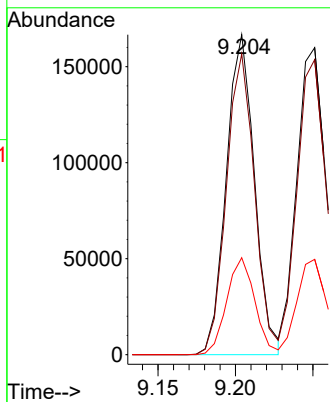
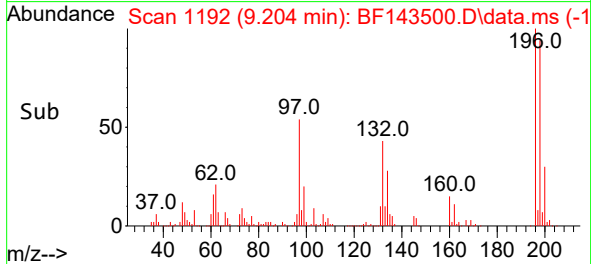


#43
2,4,6-Trichlorophenol
Concen: 44.423 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

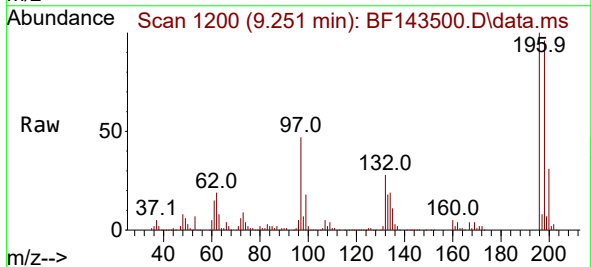
Instrument :
BNA_F
ClientSampleId :
PB169223BS



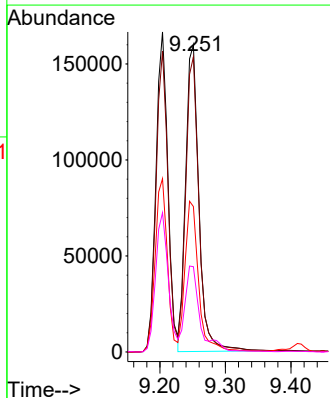
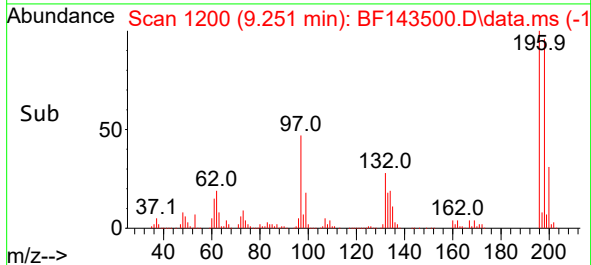
Tgt Ion:196 Resp: 211292
Ion Ratio Lower Upper
196 100
198 94.0 77.0 115.4
200 30.3 24.6 37.0

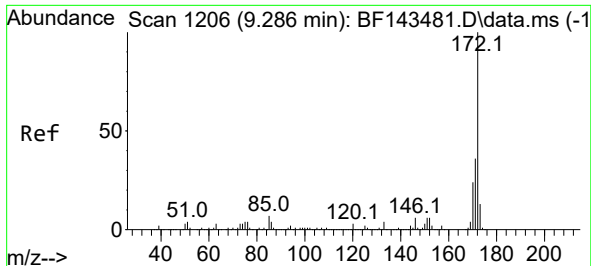


#44
2,4,5-Trichlorophenol
Concen: 43.200 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:196 Resp: 224442
Ion Ratio Lower Upper
196 100
198 96.1 77.3 115.9
97 47.4 40.0 60.0
132 27.8 22.6 34.0

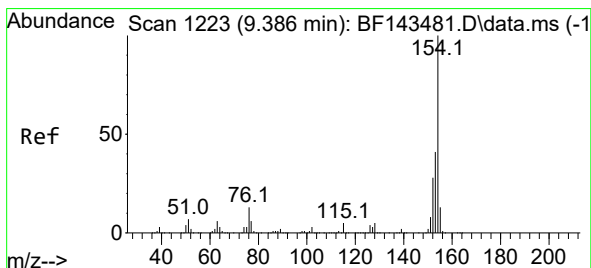
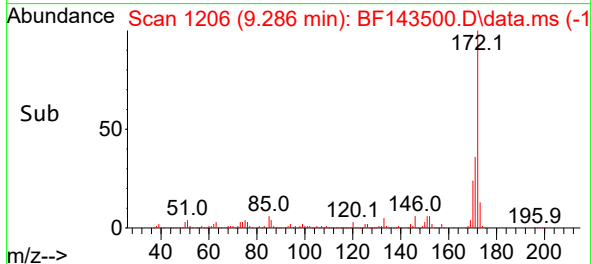
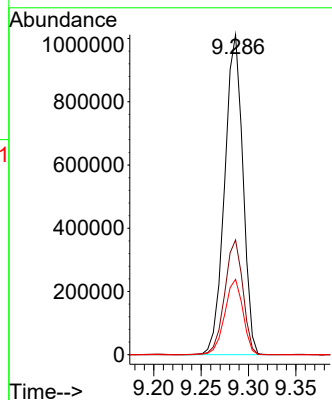
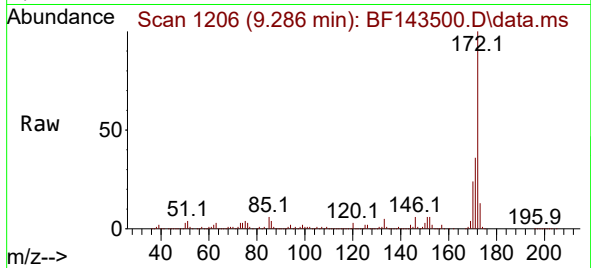




#45
2-Fluorobiphenyl
Concen: 82.919 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

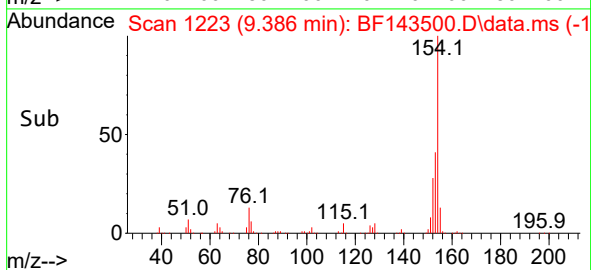
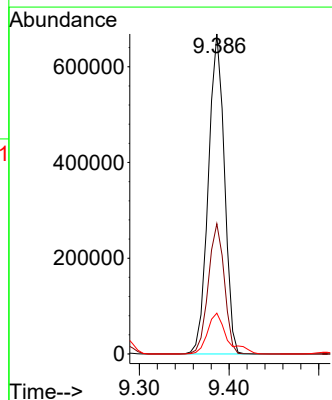
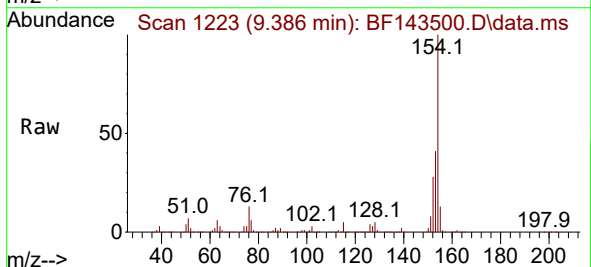
Instrument :
BNA_F
ClientSampleId :
PB169223BS

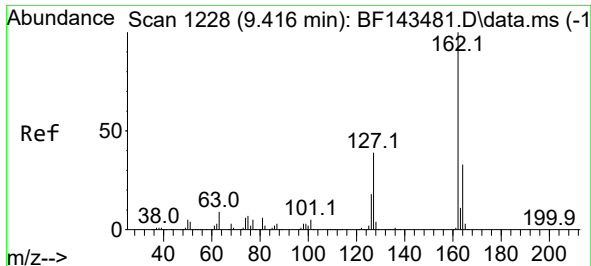
Tgt Ion:172 Resp: 1355856
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.6 18.8 28.2



#46
1,1'-Biphenyl
Concen: 43.331 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:154 Resp: 831130
Ion Ratio Lower Upper
154 100
153 40.7 20.6 60.6
76 12.8 0.0 33.0





#47

2-Chloronaphthalene

Concen: 42.690 ng

RT: 9.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

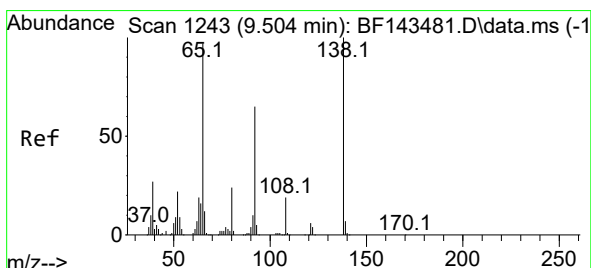
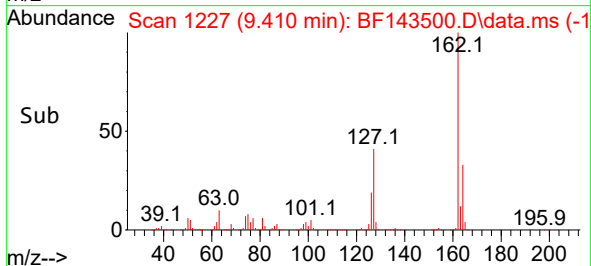
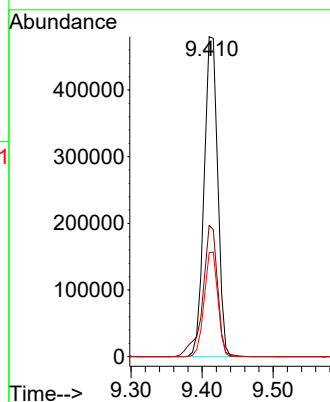
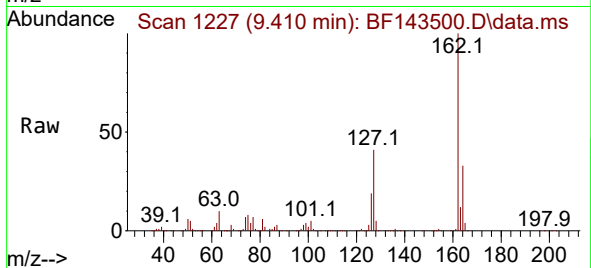
Tgt Ion:162 Resp: 642470

Ion Ratio Lower Upper

162 100

127 41.0 31.8 47.6

164 32.6 26.4 39.6



#48

2-Nitroaniline

Concen: 45.656 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

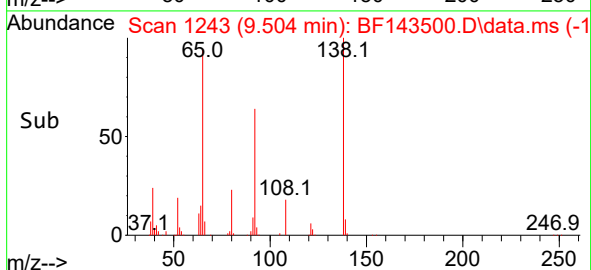
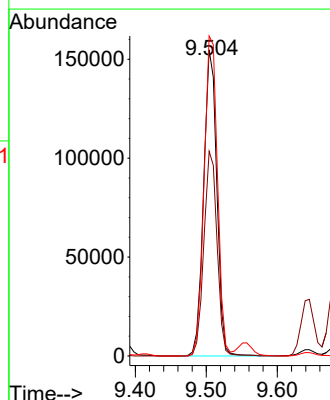
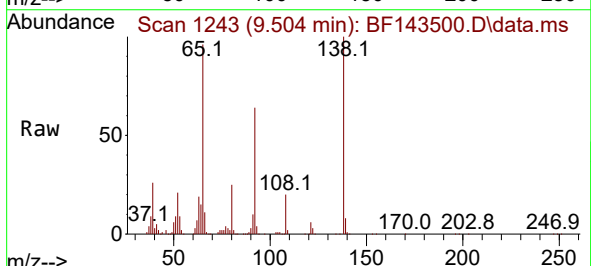
Tgt Ion: 65 Resp: 201092

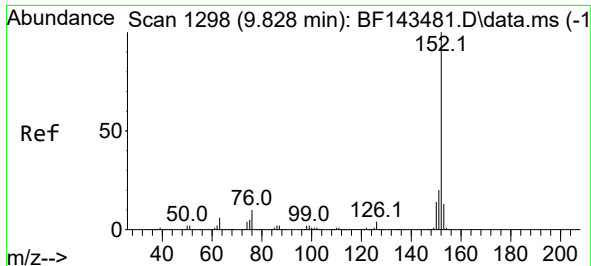
Ion Ratio Lower Upper

65 100

92 66.9 53.8 80.6

138 104.5 82.4 123.6





#49

Acenaphthylene

Concen: 47.720 ng

RT: 9.827 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

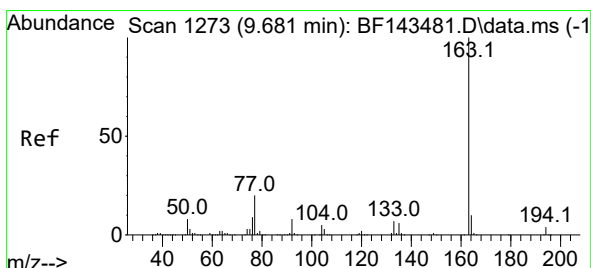
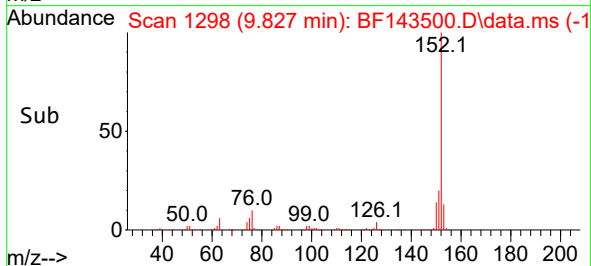
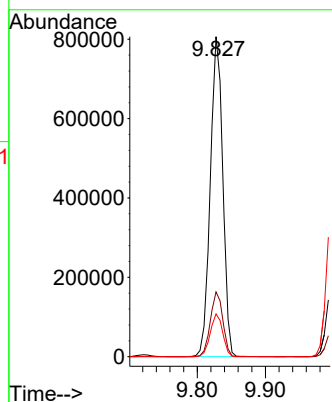
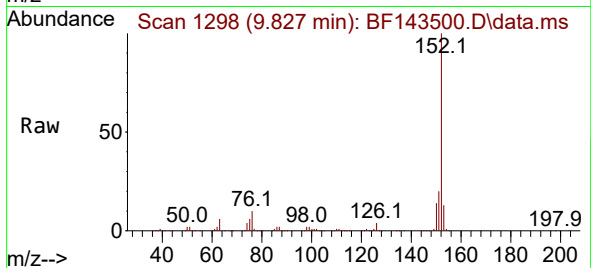
Tgt Ion:152 Resp: 1028329

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 13.4 10.6 15.8



#50

Dimethylphthalate

Concen: 45.777 ng

RT: 9.686 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

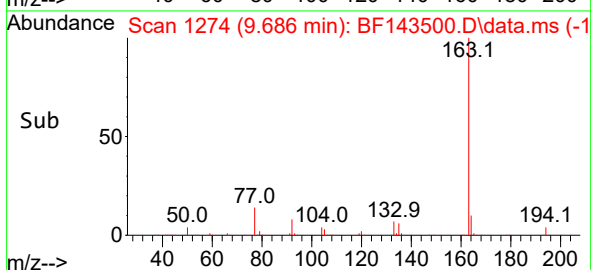
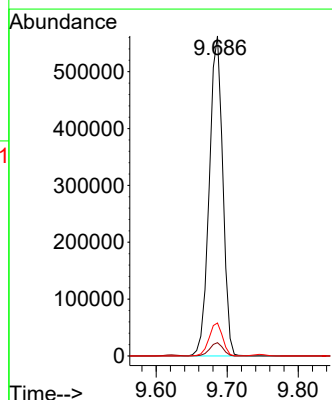
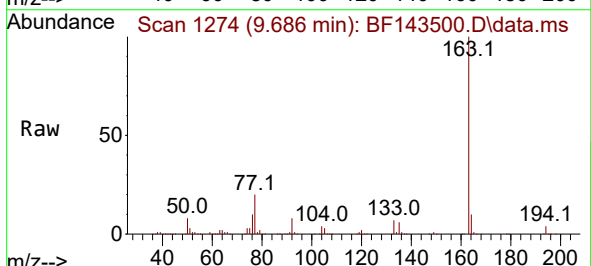
Tgt Ion:163 Resp: 745057

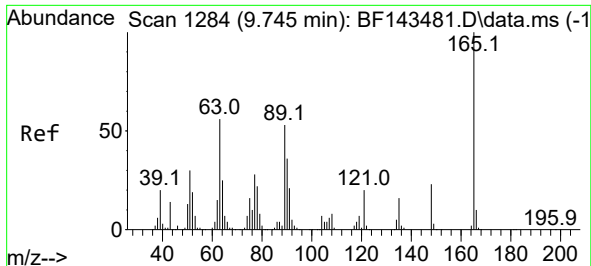
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.3 8.2 12.2

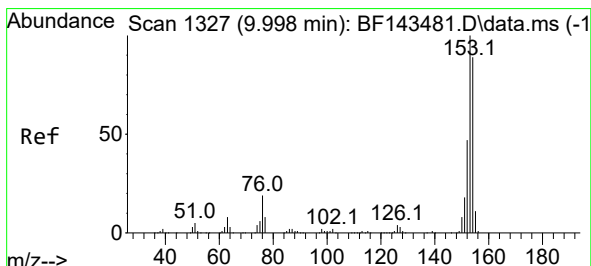
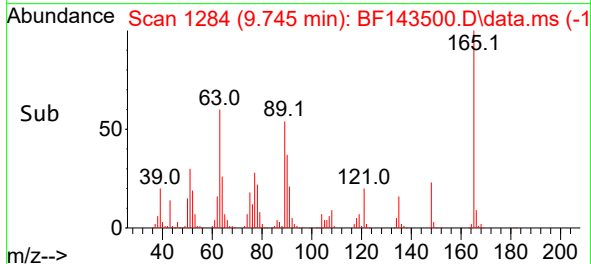
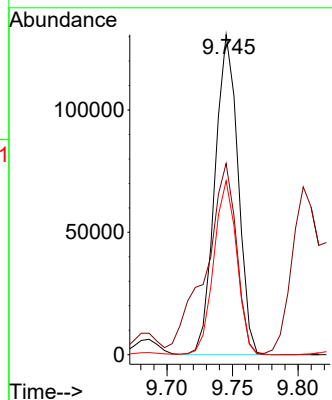
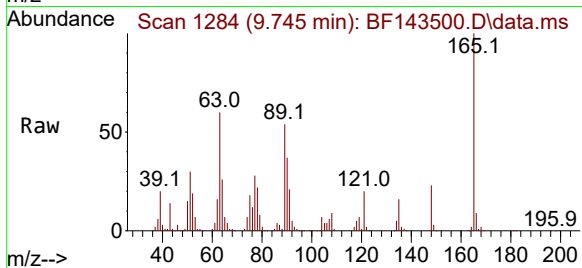




#51
2,6-Dinitrotoluene
Concen: 47.445 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

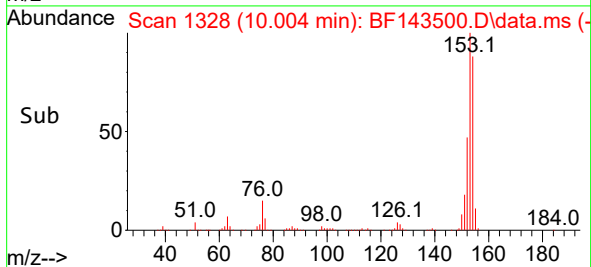
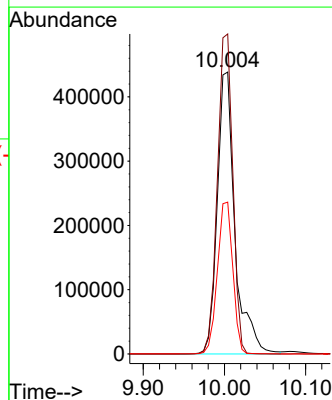
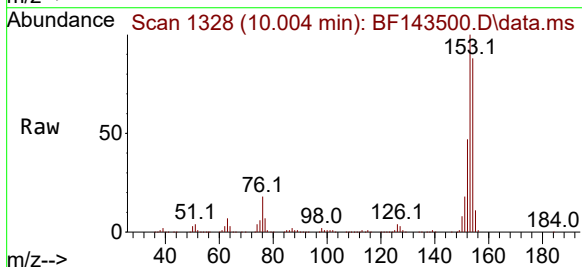
Instrument :
BNA_F
ClientSampleId :
PB169223BS

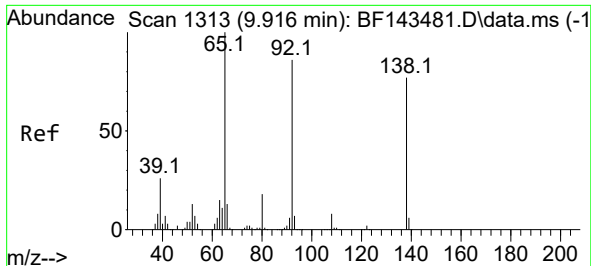
Tgt Ion:165 Resp: 160042
Ion Ratio Lower Upper
165 100
63 59.7 45.0 67.6
89 54.3 42.5 63.7



#52
Acenaphthene
Concen: 45.591 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:154 Resp: 667045
Ion Ratio Lower Upper
154 100
153 113.5 89.5 134.3
152 53.9 42.5 63.7

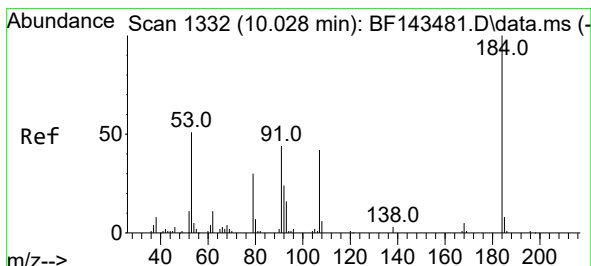
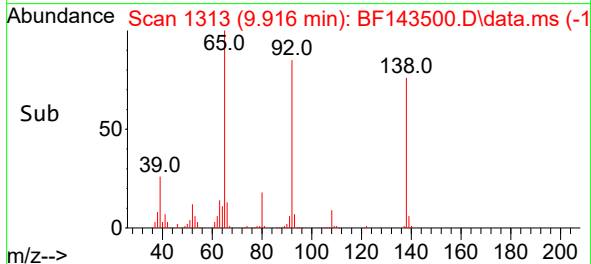
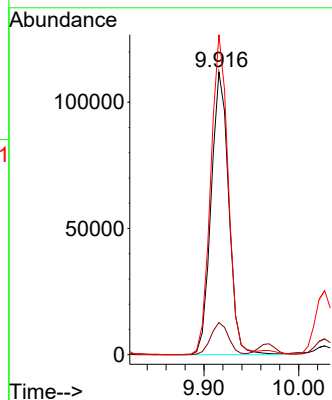
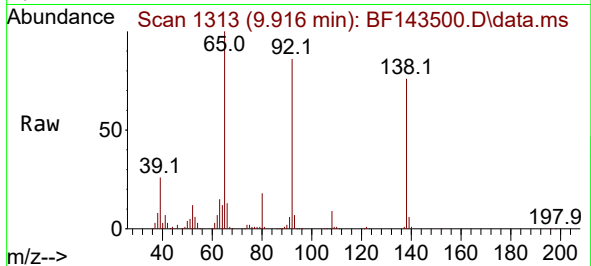




#53
3-Nitroaniline
Concen: 39.586 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

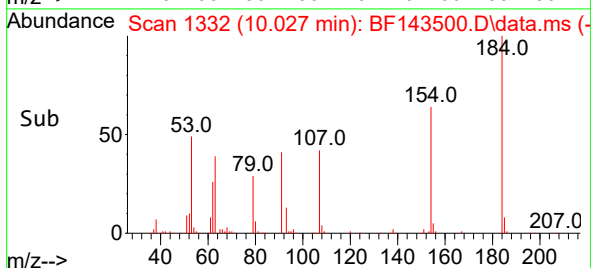
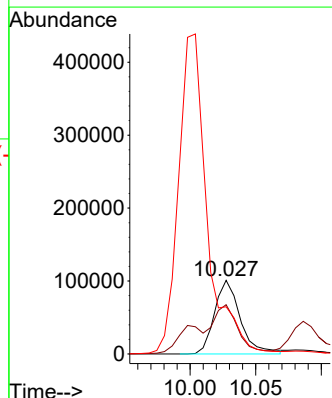
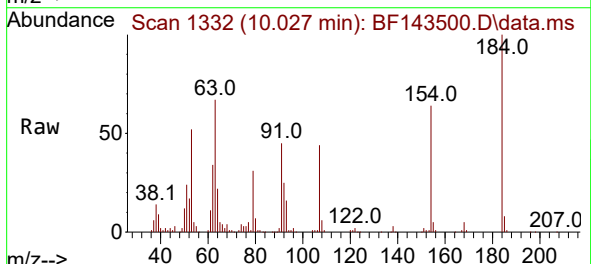
Instrument :
BNA_F
ClientSampleId :
PB169223BS

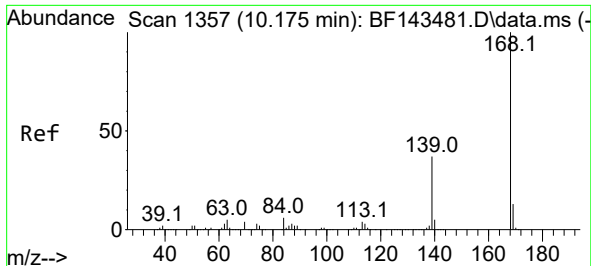
Tgt Ion:138 Resp: 144290
Ion Ratio Lower Upper
138 100
108 11.4 8.6 13.0
92 113.3 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 76.758 ng
RT: 10.027 min Scan# 1332
Delta R.T. -0.001 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:184 Resp: 138052
Ion Ratio Lower Upper
184 100
63 67.0 52.6 78.8
154 64.2 51.0 76.4

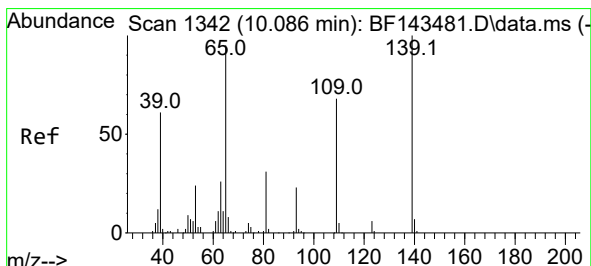
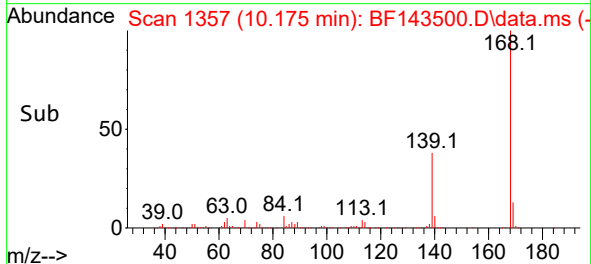
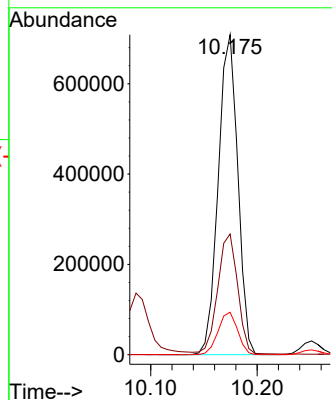
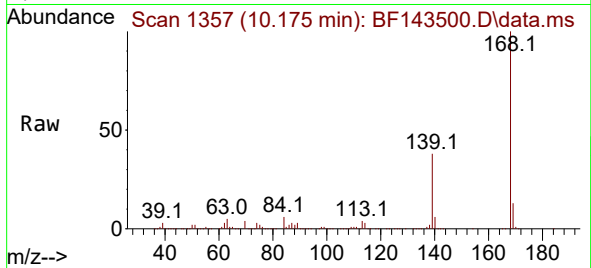




#55
Dibenzenofuran
Concen: 43.227 ng
RT: 10.175 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

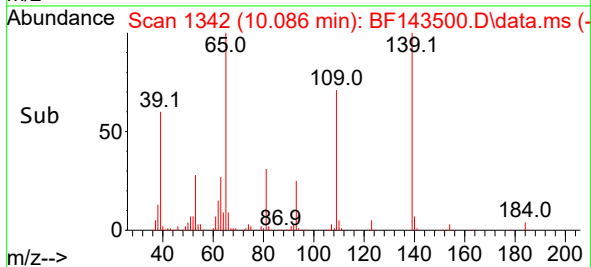
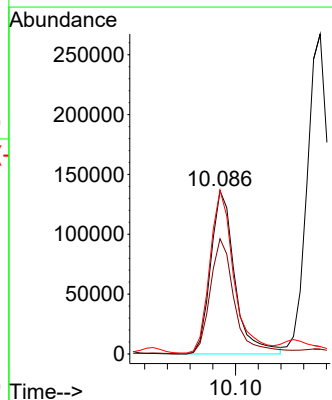
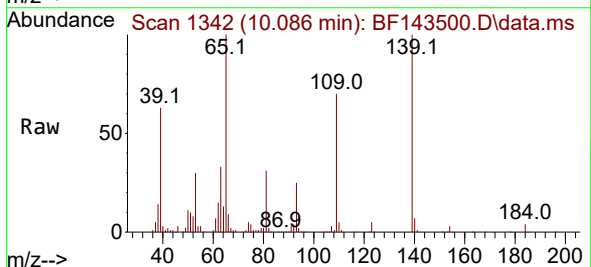
Instrument :
BNA_F
ClientSampleId :
PB169223BS

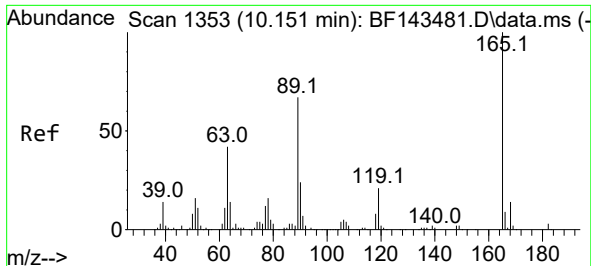
Tgt Ion:168 Resp: 901702
Ion Ratio Lower Upper
168 100
139 37.7 29.8 44.6
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 92.862 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

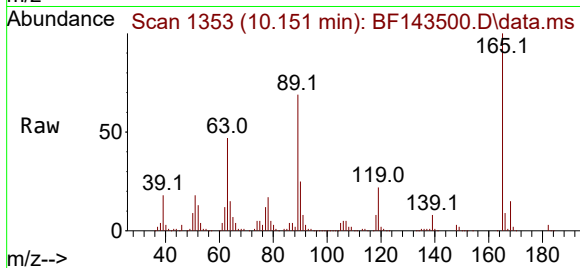
Tgt Ion:139 Resp: 201396
Ion Ratio Lower Upper
139 100
109 70.6 48.2 88.2
65 100.4 75.8 115.8



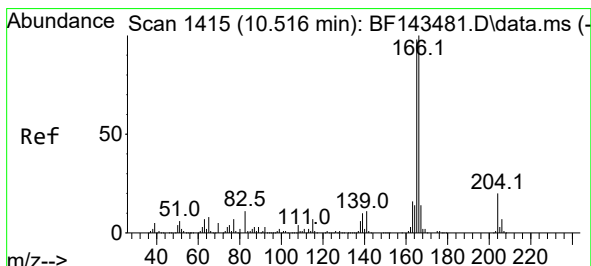
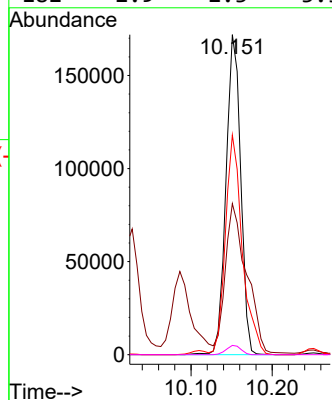
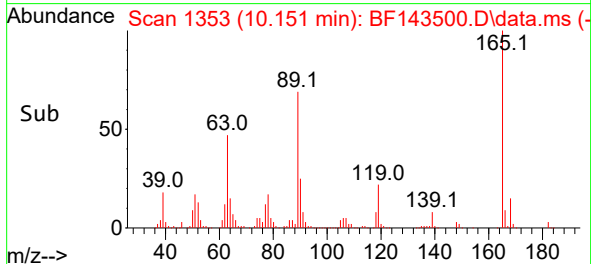


#57
2,4-Dinitrotoluene
Concen: 48.035 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

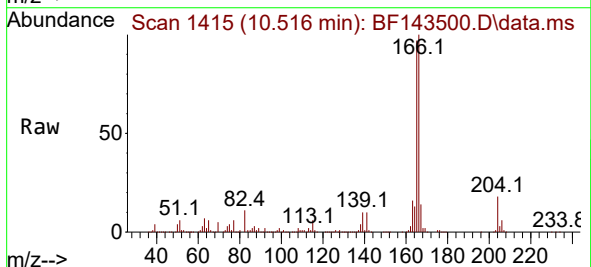
Instrument :
BNA_F
ClientSampleId :
PB169223BS



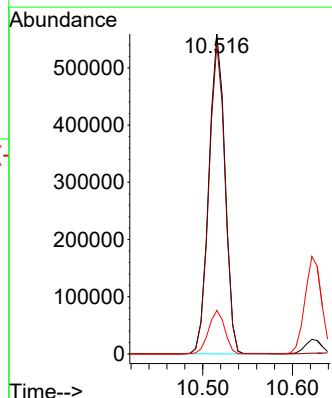
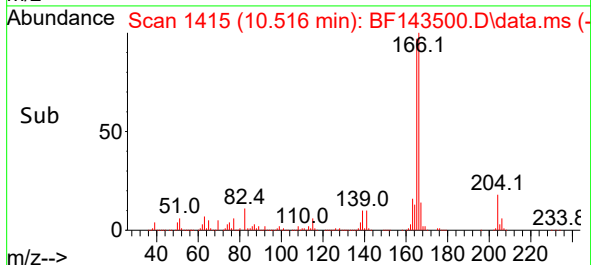
Tgt Ion:165 Resp: 216352
Ion Ratio Lower Upper
165 100
63 47.2 34.9 52.3
89 68.6 53.3 79.9
182 2.9 2.3 3.5

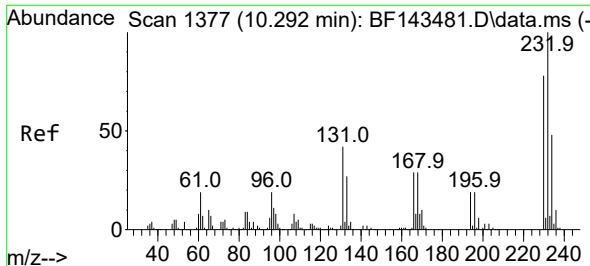


#58
Fluorene
Concen: 43.405 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



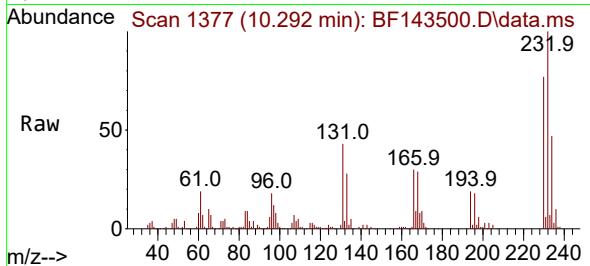
Tgt Ion:166 Resp: 696847
Ion Ratio Lower Upper
166 100
165 96.8 78.3 117.5
167 13.6 11.0 16.4



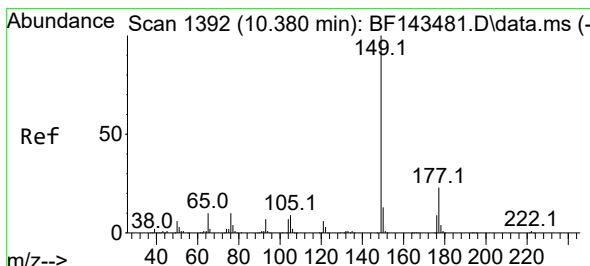
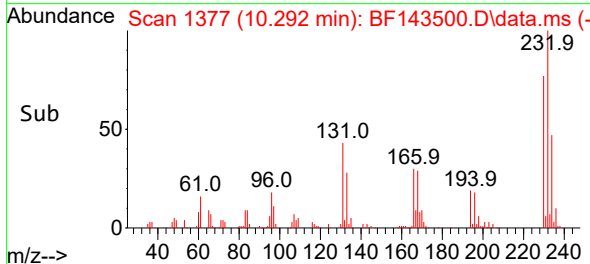
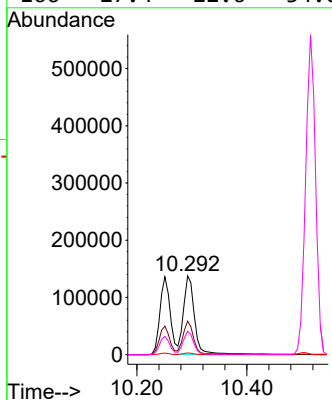


#59
2,3,4,6-Tetrachlorophenol
Concen: 49.253 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :
BNA_F
ClientSampleId :
PB169223BS

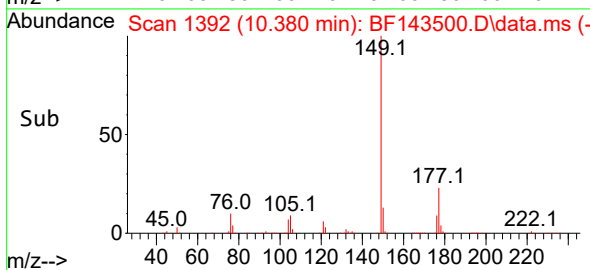
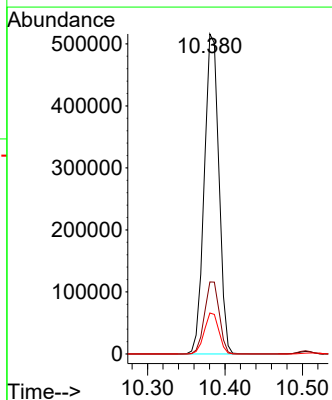
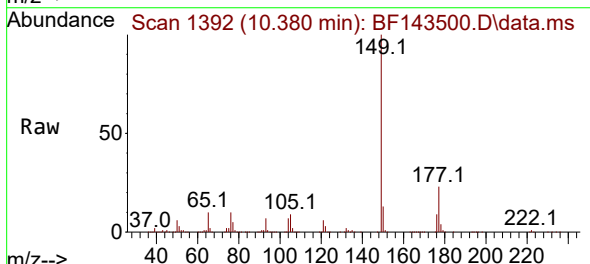


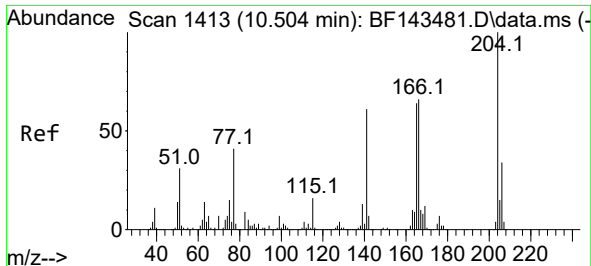
Tgt Ion:232 Resp: 190110
Ion Ratio Lower Upper
232 100
131 41.5 32.7 49.1
130 2.1 1.6 2.4
166 27.4 22.6 34.0



#60
Diethylphthalate
Concen: 46.264 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:149 Resp: 675090
Ion Ratio Lower Upper
149 100
177 22.5 18.3 27.5
150 12.8 10.3 15.5

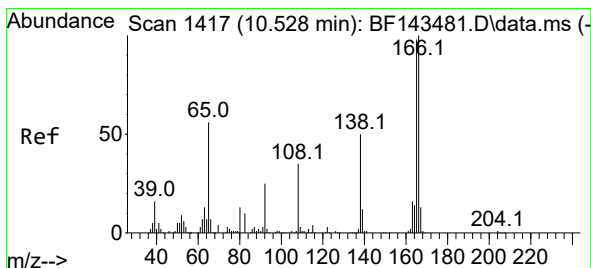
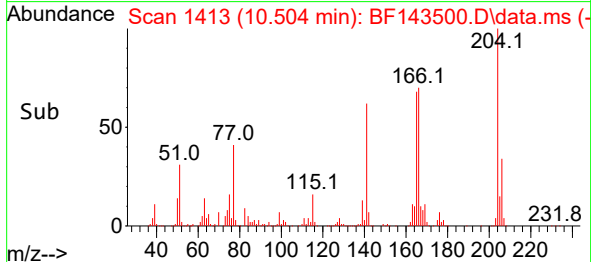
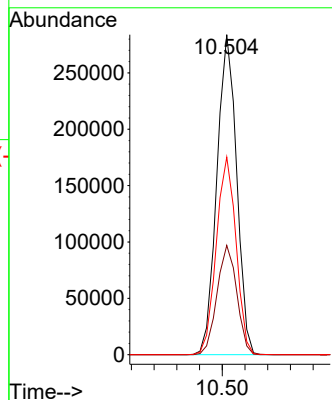
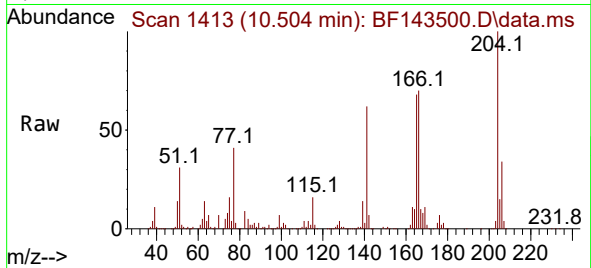




#61
4-Chlorophenyl-phenylether
Concen: 42.770 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

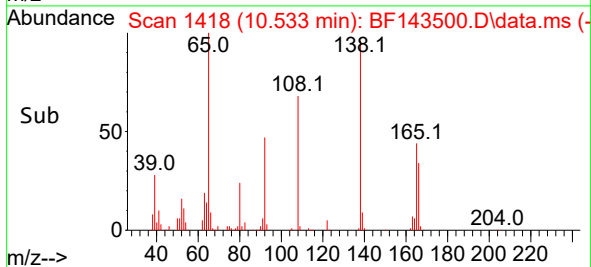
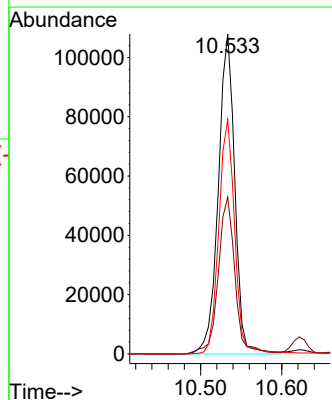
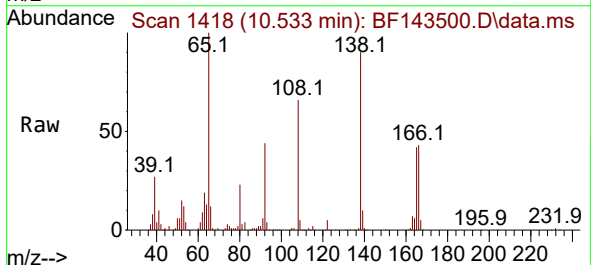
Instrument :
BNA_F
ClientSampleId :
PB169223BS

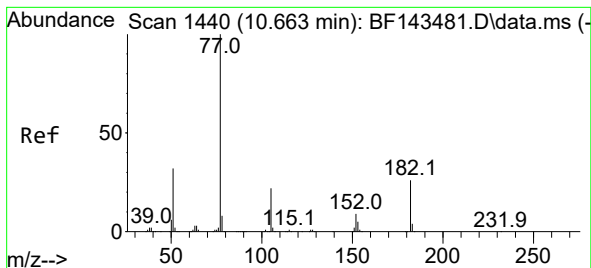
Tgt Ion:204 Resp: 343405
Ion Ratio Lower Upper
204 100
206 34.2 27.0 40.4
141 61.8 48.7 73.1



#62
4-Nitroaniline
Concen: 45.645 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:138 Resp: 152819
Ion Ratio Lower Upper
138 100
92 49.0 29.3 69.3
108 73.3 50.7 90.7

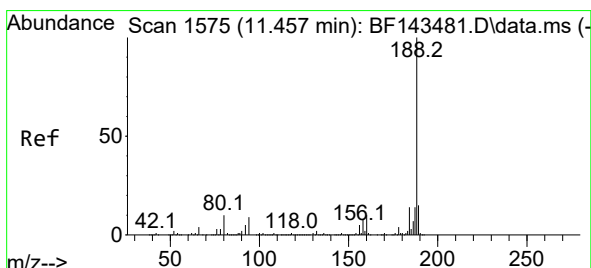
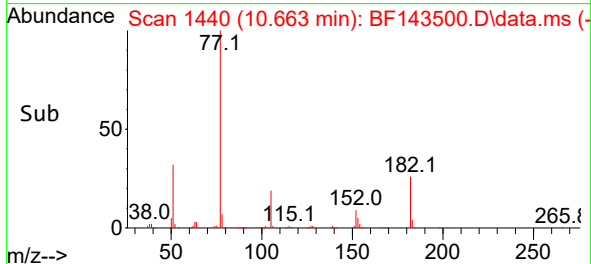
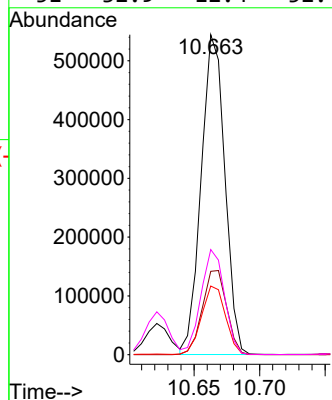
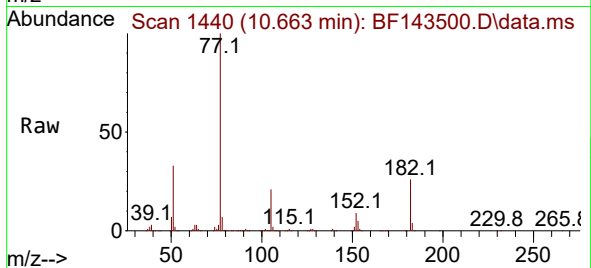




#63
Azobenzene
Concen: 45.223 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

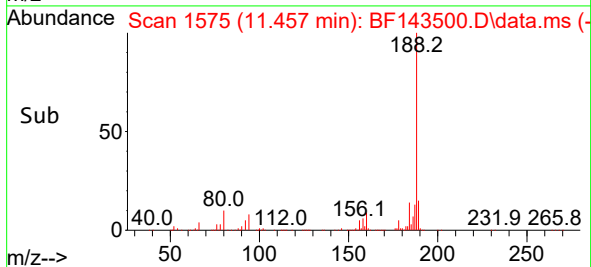
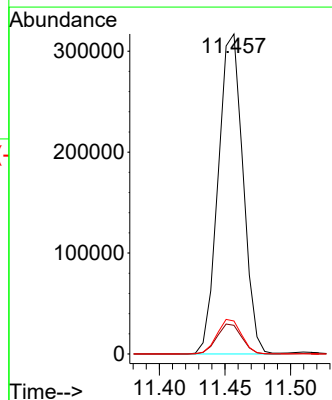
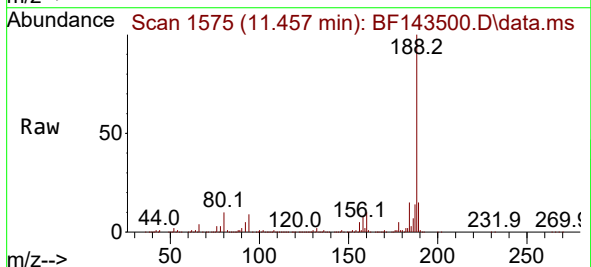
Instrument :
BNA_F
ClientSampleId :
PB169223BS

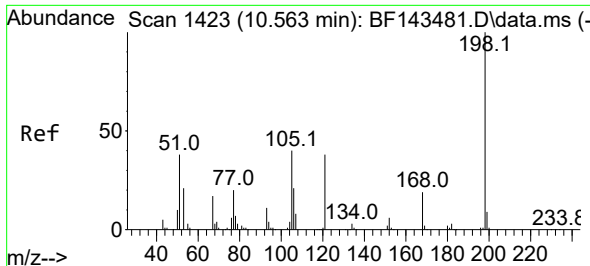
Tgt Ion: 77	Resp: 684241
Ion Ratio	Lower Upper
77 100	
182 26.0	6.2 46.2
105 21.5	2.2 42.2
51 32.9	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:188	Resp: 416818
Ion Ratio	Lower Upper
188 100	
94 9.0	7.4 11.2
80 10.3	8.2 12.4

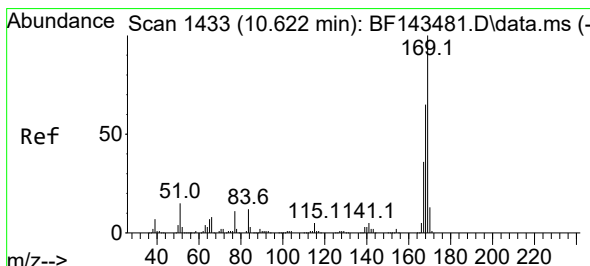
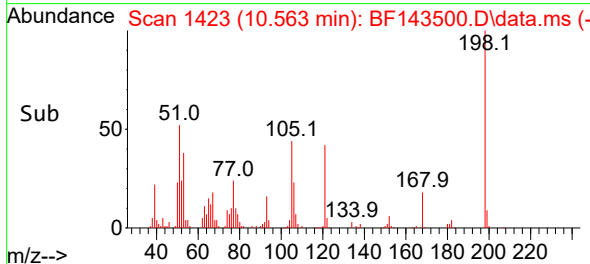
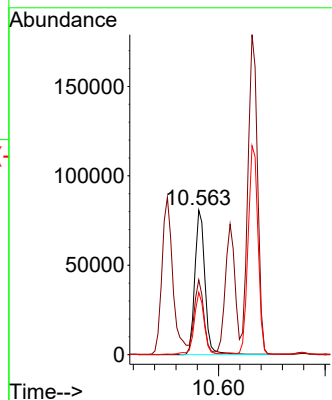
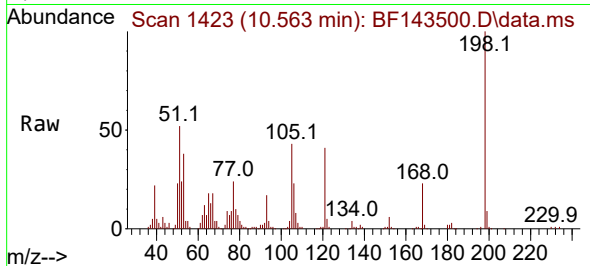




#65
4,6-Dinitro-2-methylphenol
Concen: 45.701 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

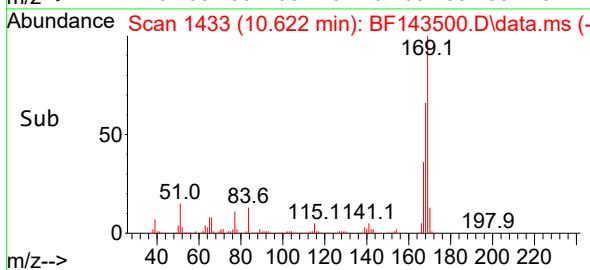
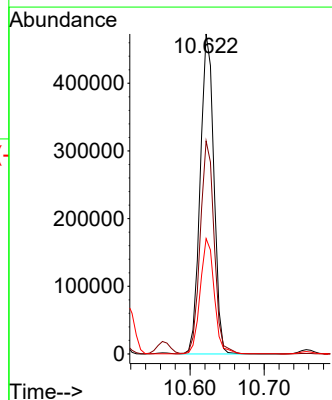
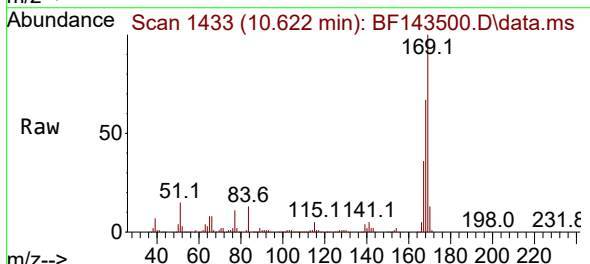
Instrument :
BNA_F
ClientSampleId :
PB169223BS

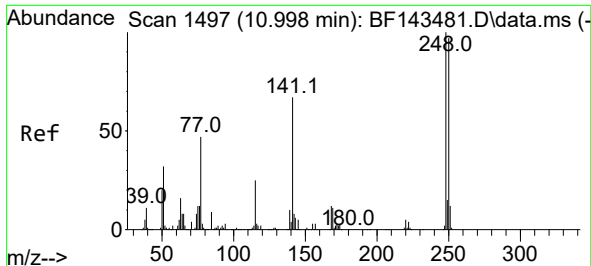
Tgt Ion:198 Resp: 107407
Ion Ratio Lower Upper
198 100
51 51.8 29.6 69.6
105 43.1 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 44.973 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:169 Resp: 603271
Ion Ratio Lower Upper
169 100
168 66.6 52.4 78.6
167 36.1 28.9 43.3

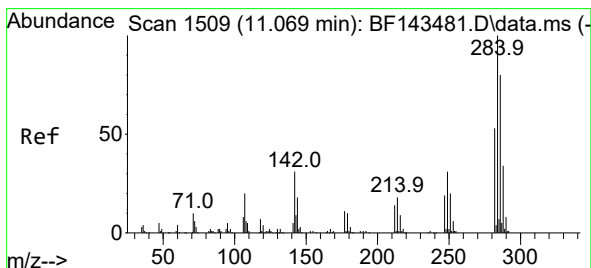
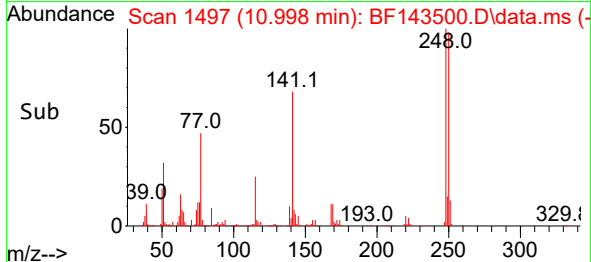
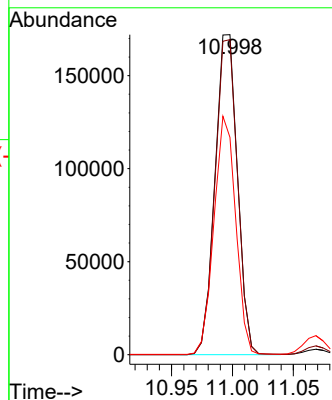
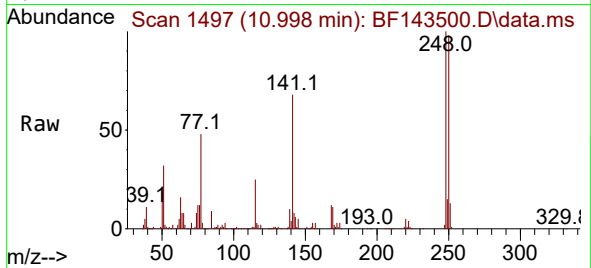




#67
4-Bromophenyl-phenylether
Concen: 44.529 ng
RT: 10.998 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

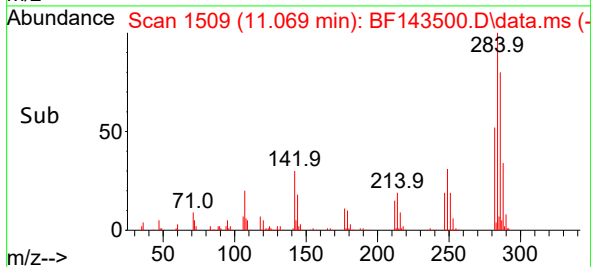
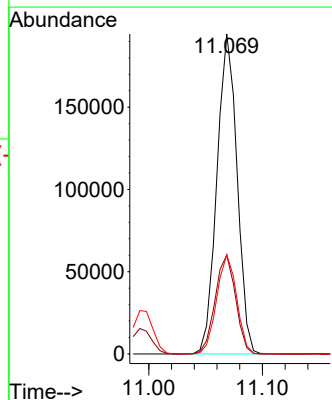
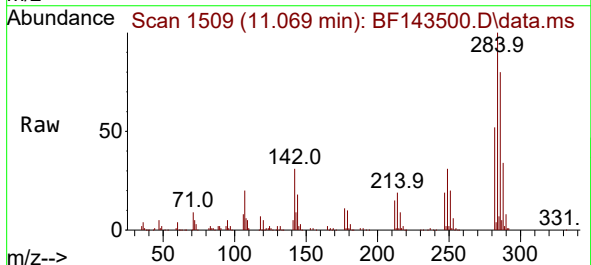
Instrument :
BNA_F
ClientSampleId :
PB169223BS

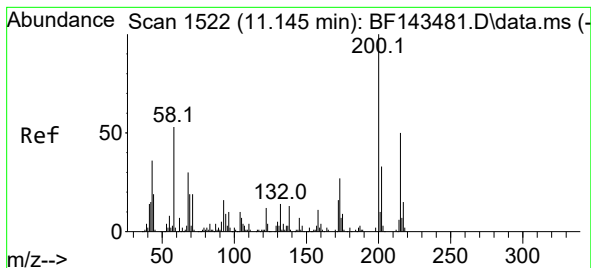
Tgt Ion:	248	Resp:	221455
Ion Ratio	Lower	Upper	
248	100		
250	98.4	77.8	116.8
141	67.9	54.0	81.0



#68
Hexachlorobenzene
Concen: 44.797 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:	284	Resp:	240151
Ion Ratio	Lower	Upper	
284	100		
142	30.9	24.4	36.6
249	31.0	25.0	37.6





#69

Atrazine

Concen: 48.496 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

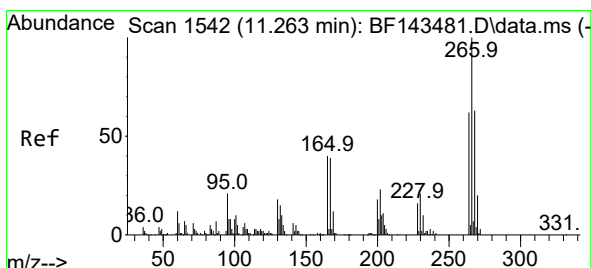
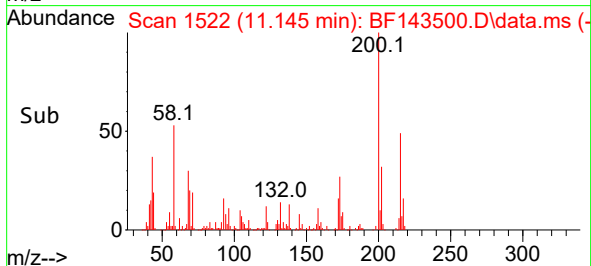
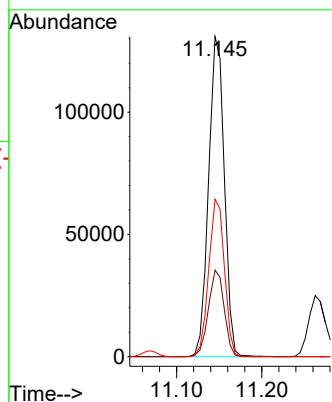
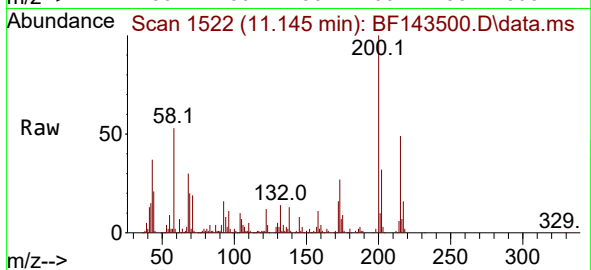
Tgt Ion:200 Resp: 167924

Ion Ratio Lower Upper

200 100

173 27.0 6.9 46.9

215 49.2 30.0 70.0



#70

Pentachlorophenol

Concen: 89.954 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

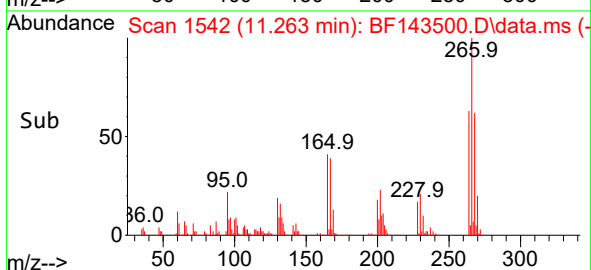
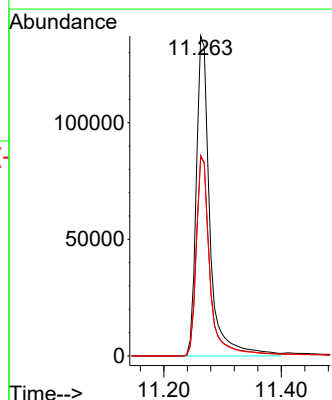
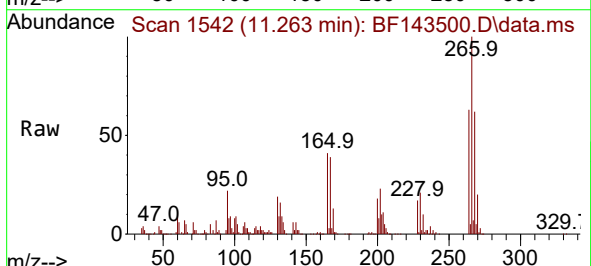
Tgt Ion:266 Resp: 220853

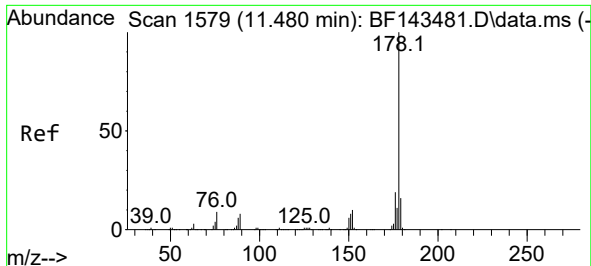
Ion Ratio Lower Upper

266 100

268 62.0 50.5 75.7

264 62.7 49.8 74.8

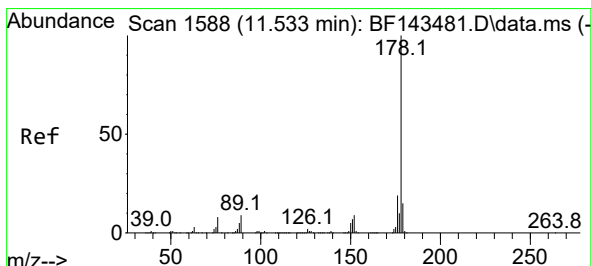
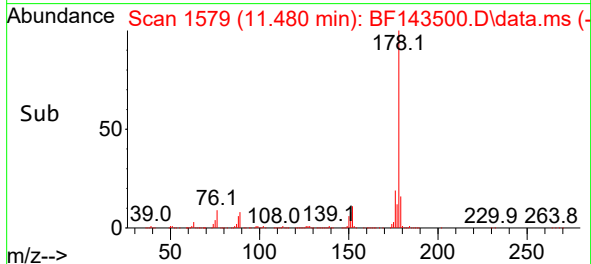
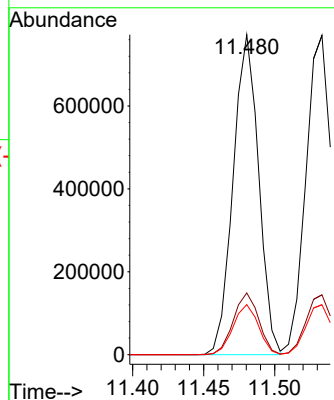
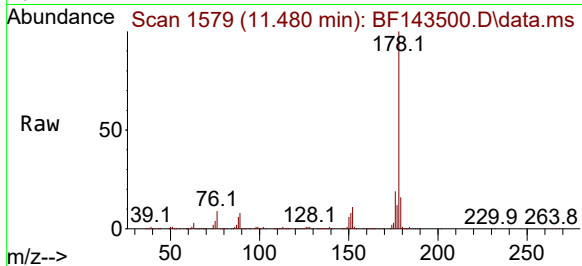




#71
Phenanthrene
Concen: 43.251 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

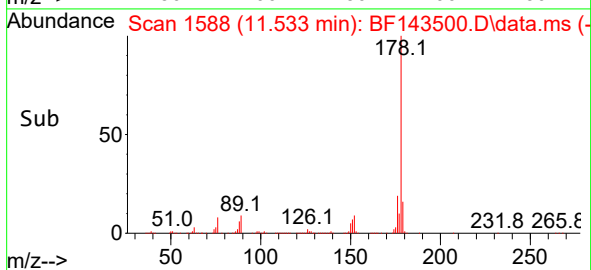
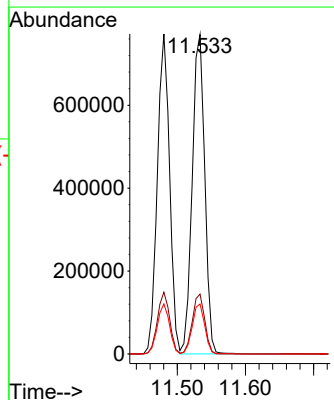
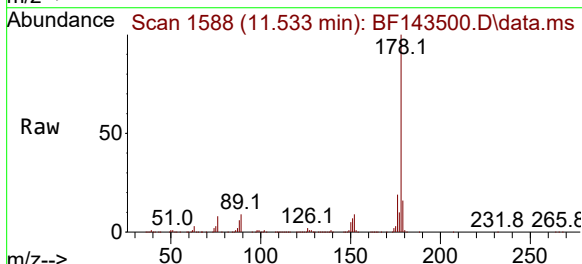
Instrument :
BNA_F
ClientSampleId :
PB169223BS

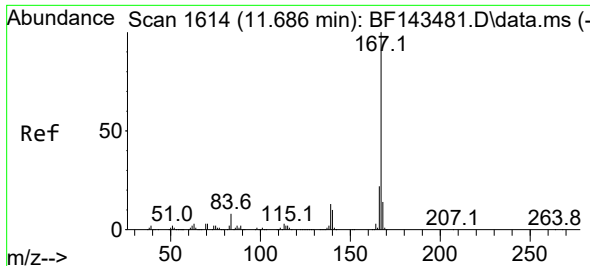
Tgt Ion:178 Resp: 965407
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.7 12.5 18.7



#72
Anthracene
Concen: 43.411 ng
RT: 11.533 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:178 Resp: 981619
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.6 12.3 18.5

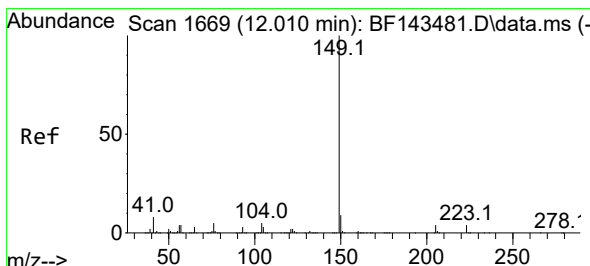
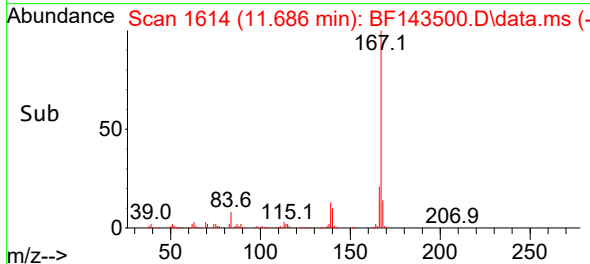
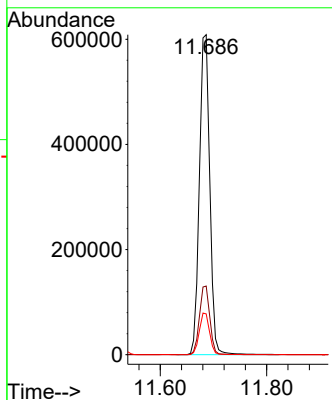
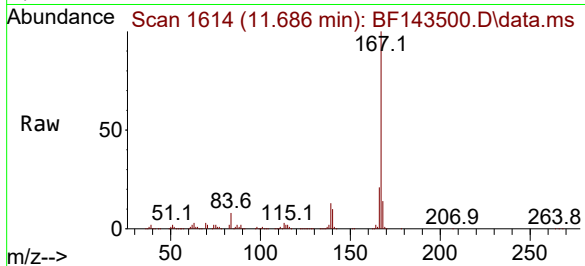




#73
 Carbazole
 Concen: 44.223 ng
 RT: 11.686 min Scan# 1614
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

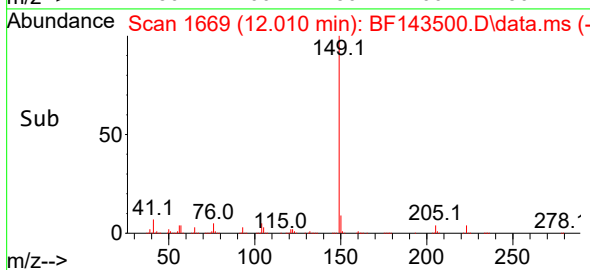
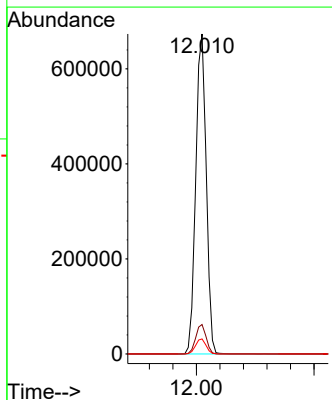
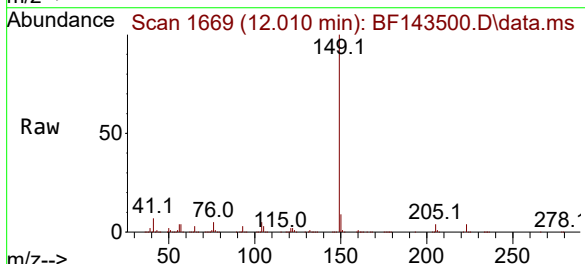
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

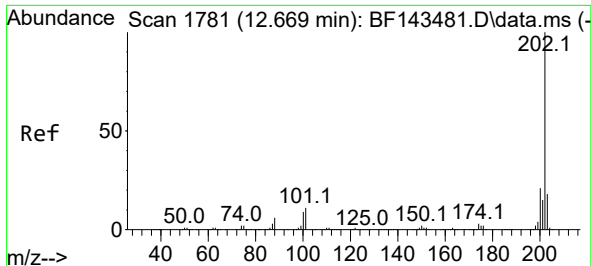
Tgt Ion:167	Resp: 819392
Ion Ratio	Lower Upper
167 100	
166 21.4	17.3 25.9
139 12.8	10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 48.199 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

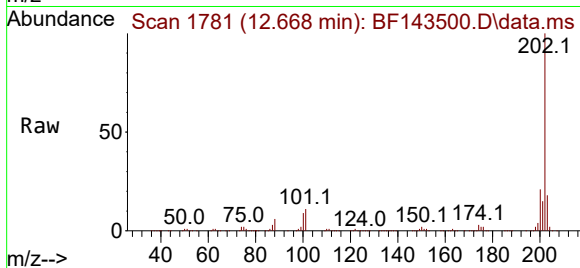
Tgt Ion:149	Resp: 833115
Ion Ratio	Lower Upper
149 100	
150 9.2	7.2 10.8
104 4.7	3.6 5.4



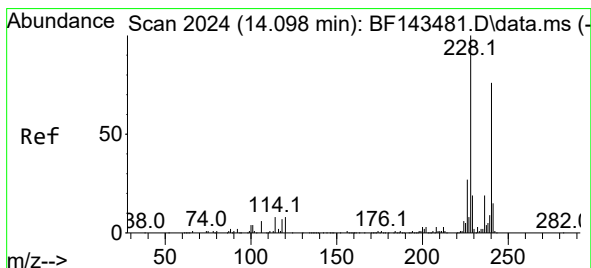
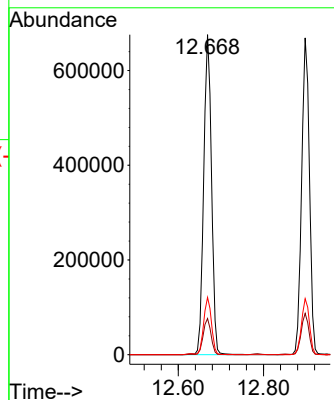


#75
Fluoranthene
Concen: 42.907 ng
RT: 12.668 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

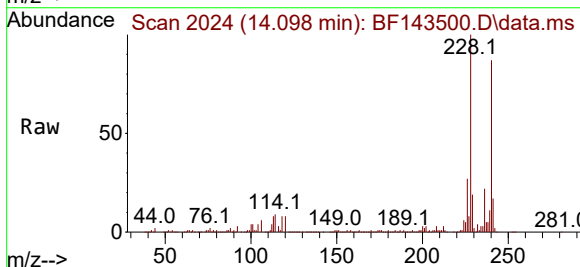
Instrument :
BNA_F
ClientSampleId :
PB169223BS



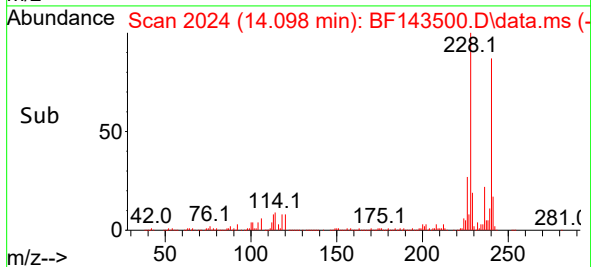
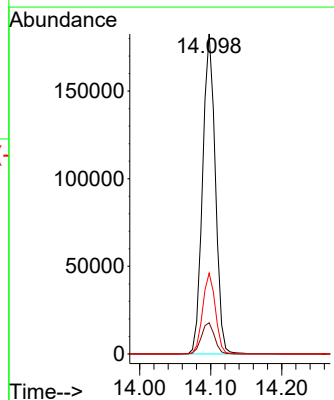
Tgt Ion:	202	Resp:	859377
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.3
203	17.9	0.0	37.9

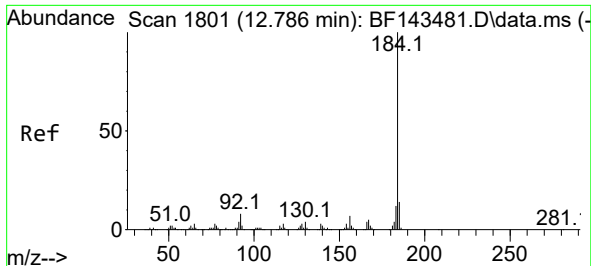


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:	240	Resp:	228118
Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.6	12.8
236	25.2	20.4	30.6

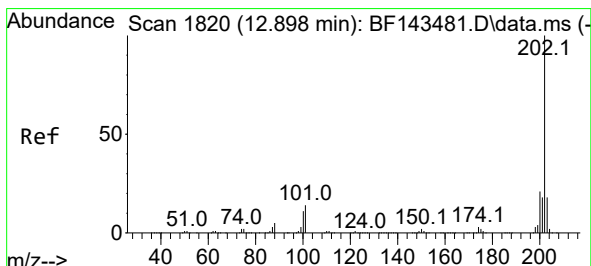
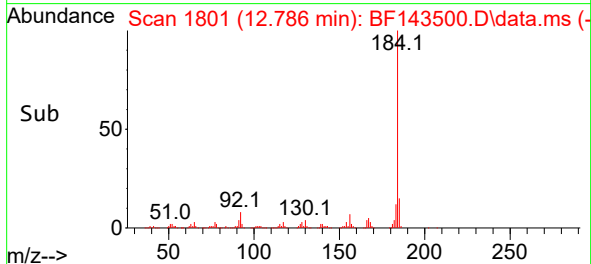
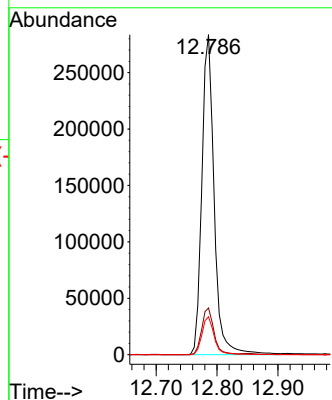
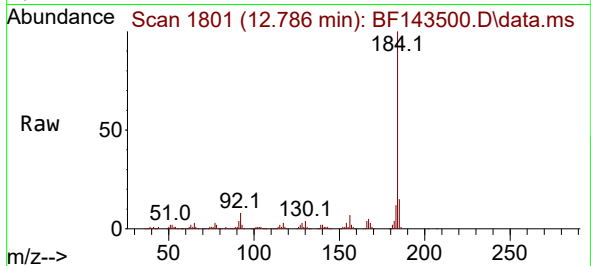




#77
Benzidine
Concen: 71.772 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

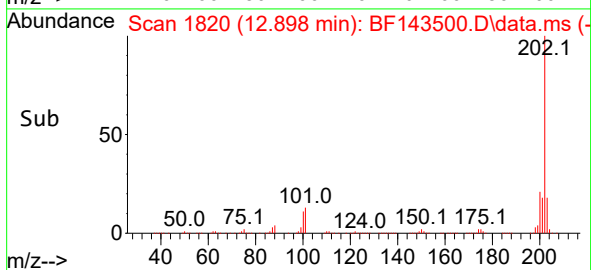
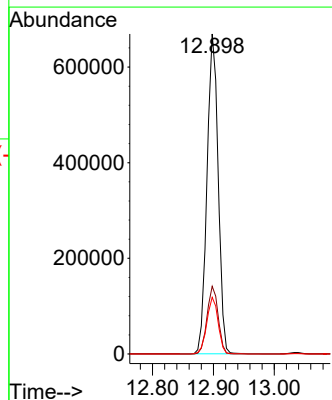
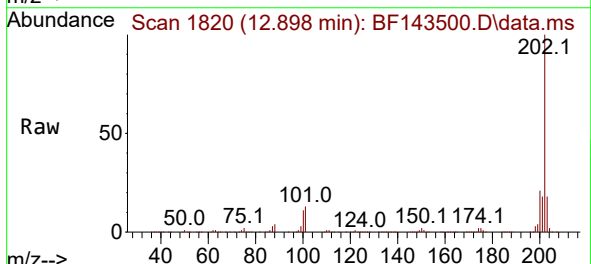
Instrument :
BNA_F
ClientSampleId :
PB169223BS

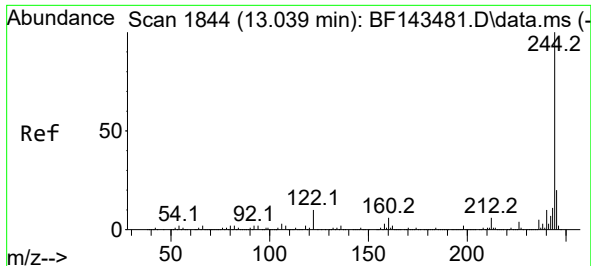
Tgt Ion:184 Resp: 398812
Ion Ratio Lower Upper
184 100
185 14.6 11.3 16.9
183 11.9 9.5 14.3



#78
Pyrene
Concen: 45.376 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:202 Resp: 851461
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.7 14.3 21.5

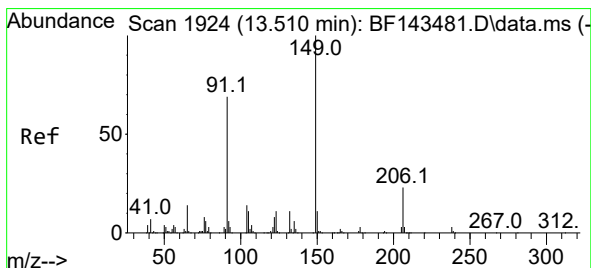
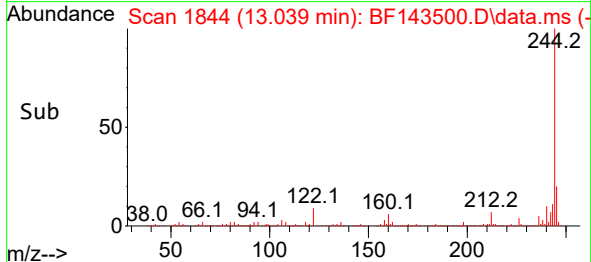
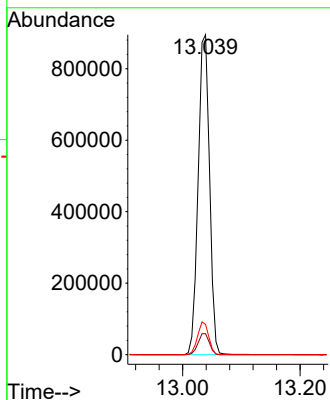
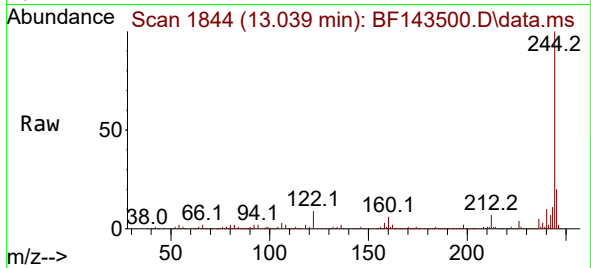




#79
 Terphenyl-d14
 Concen: 91.853 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

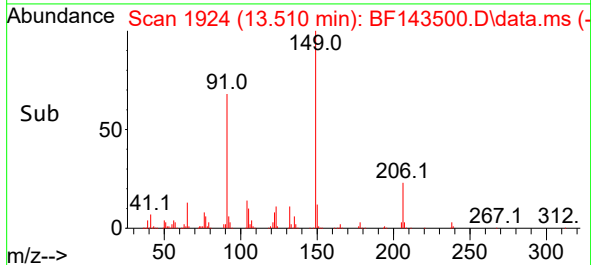
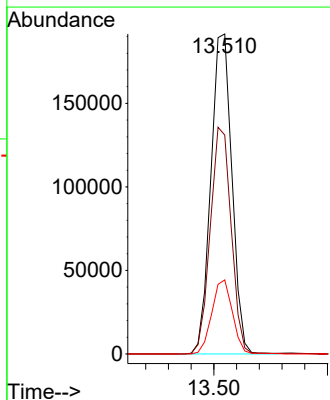
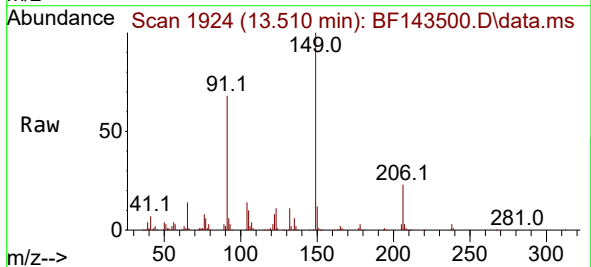
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

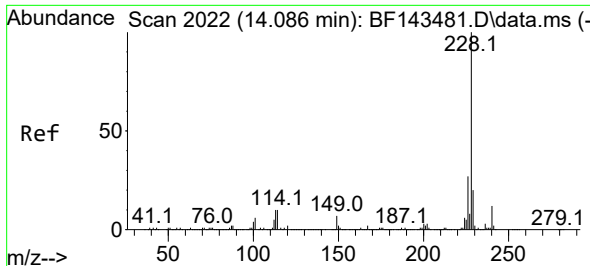
Tgt Ion:244 Resp: 1200740
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 9.5 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 48.132 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Tgt Ion:149 Resp: 246733
 Ion Ratio Lower Upper
 149 100
 91 68.4 55.3 82.9
 206 23.2 18.2 27.4

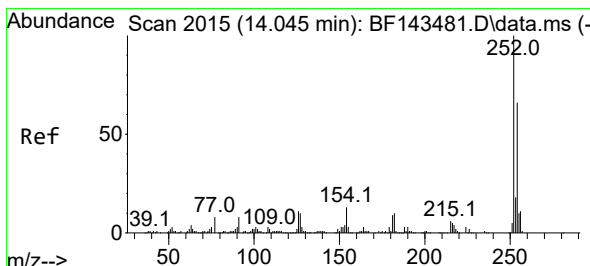
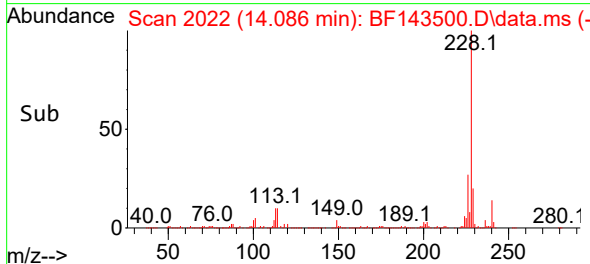
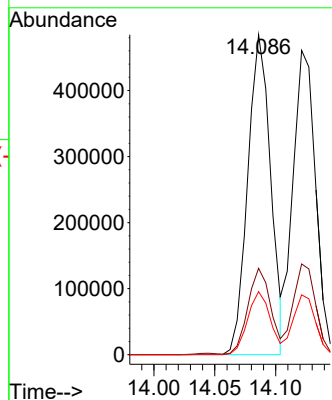
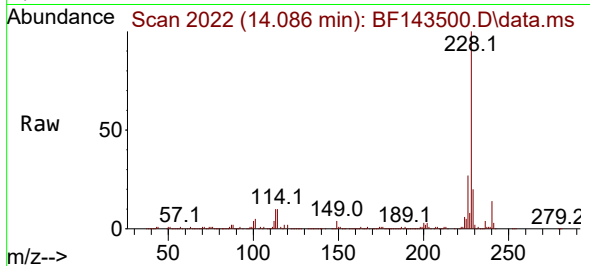




#81
Benzo(a)anthracene
Concen: 43.220 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

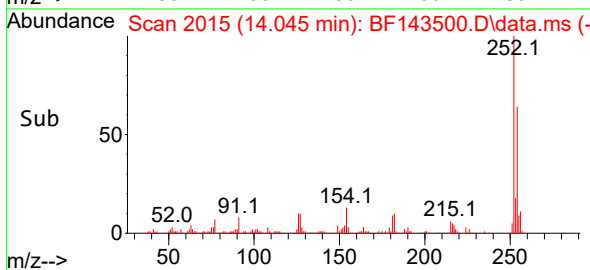
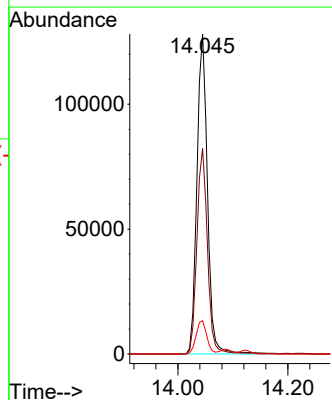
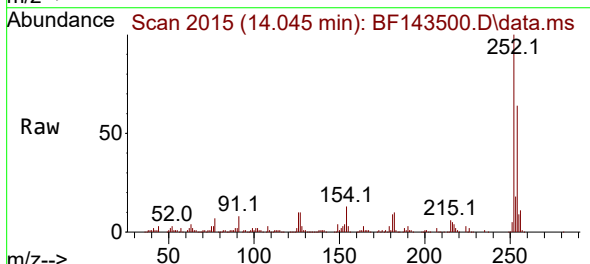
Instrument :
BNA_F
ClientSampleId :
PB169223BS

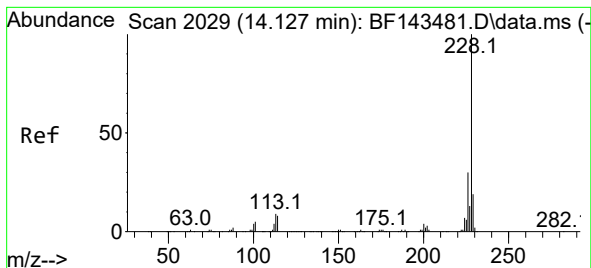
Tgt Ion:228 Resp: 634750
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.7 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 40.545 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:252 Resp: 170528
Ion Ratio Lower Upper
252 100
254 64.2 52.6 79.0
126 10.4 8.7 13.1





#83

Chrysene

Concen: 45.126 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

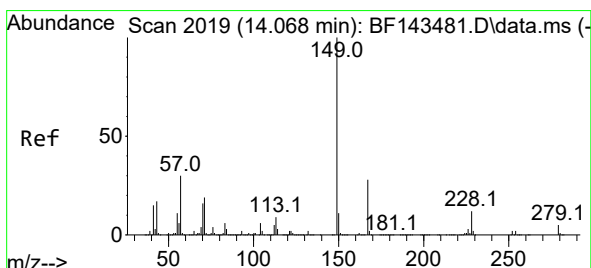
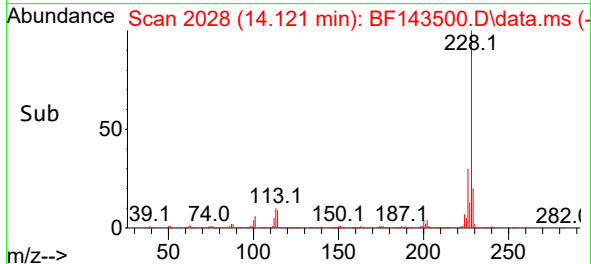
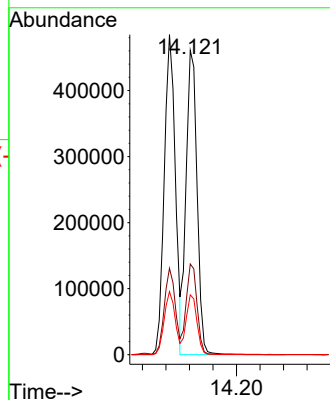
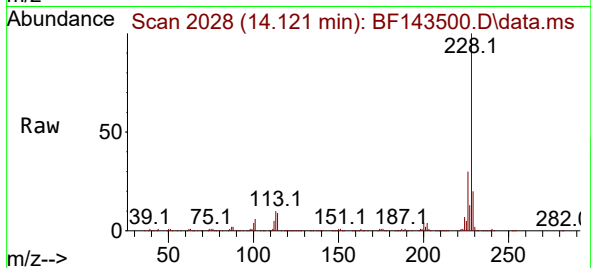
Tgt Ion:228 Resp: 595587

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.966 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

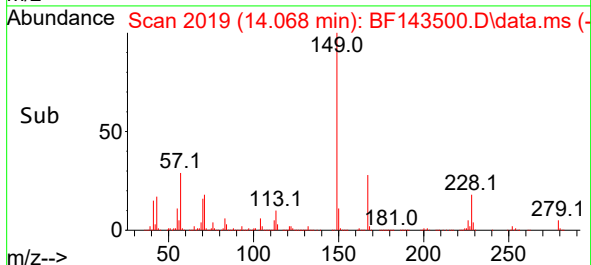
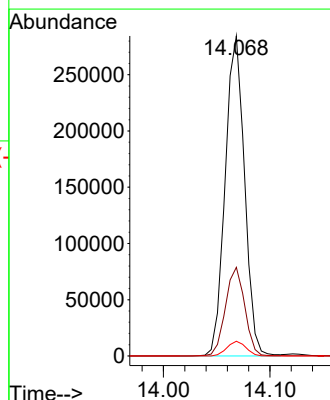
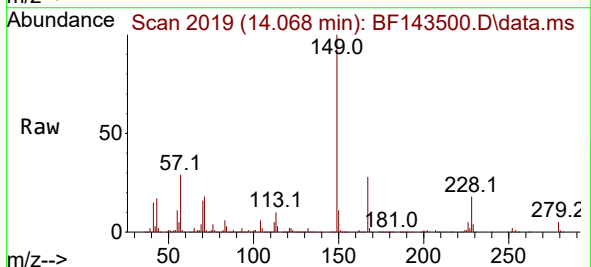
Tgt Ion:149 Resp: 358873

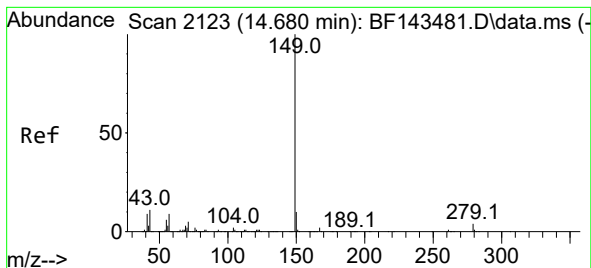
Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.2

279 4.6 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 45.724 ng

RT: 14.680 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

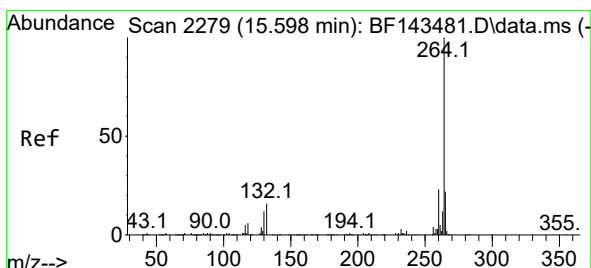
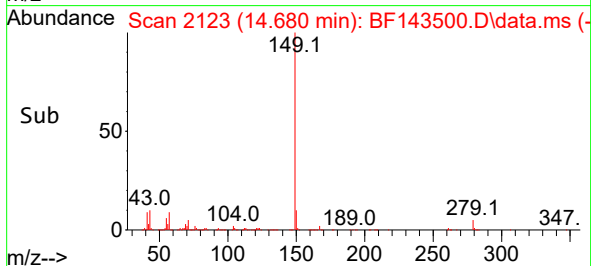
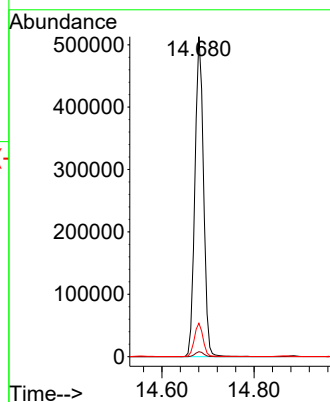
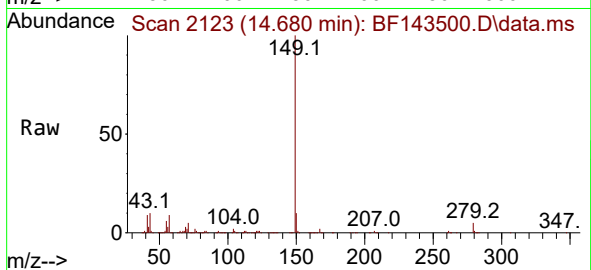
Tgt Ion:149 Resp: 661323

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.6 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

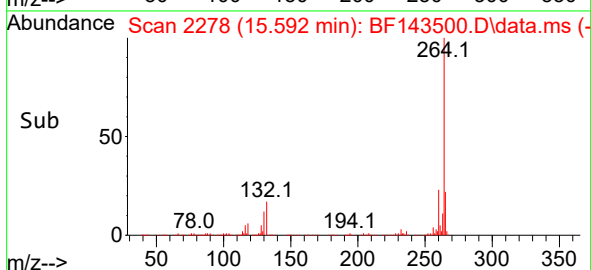
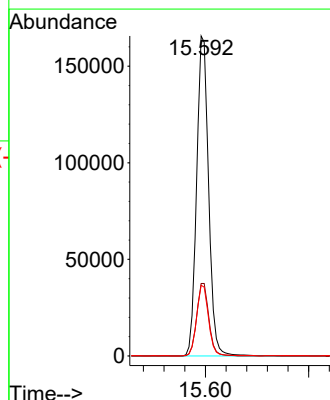
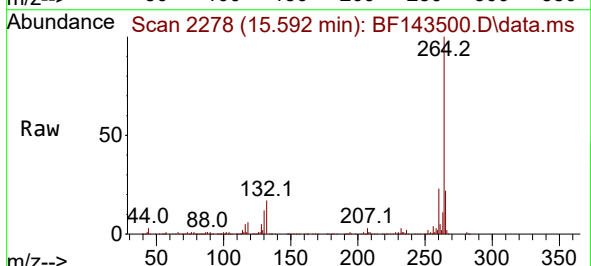
Tgt Ion:264 Resp: 266176

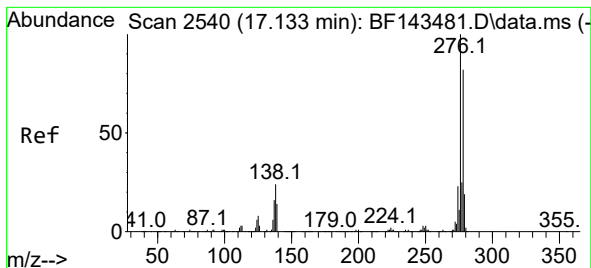
Ion Ratio Lower Upper

264 100

260 22.6 18.7 28.1

265 22.1 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.466 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

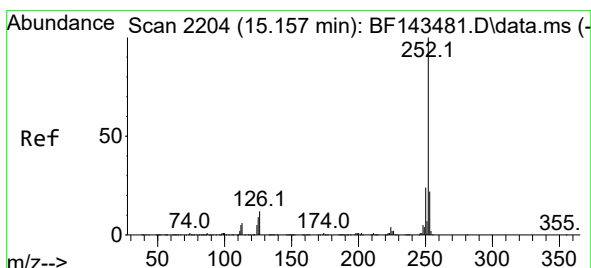
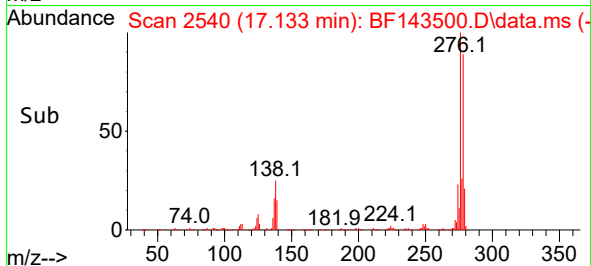
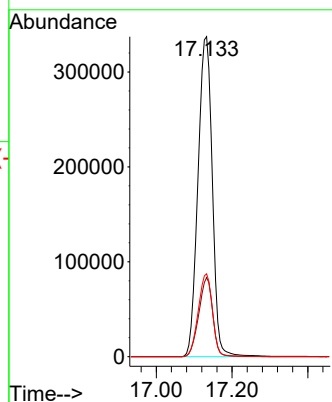
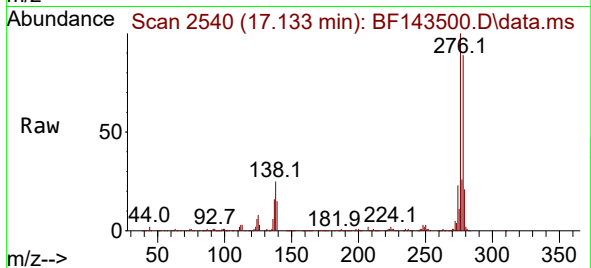
Tgt Ion:276 Resp: 888766

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 25.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 44.611 ng

RT: 15.157 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

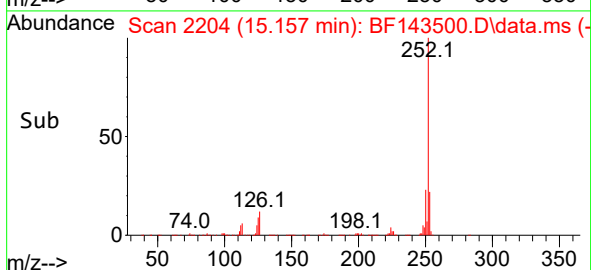
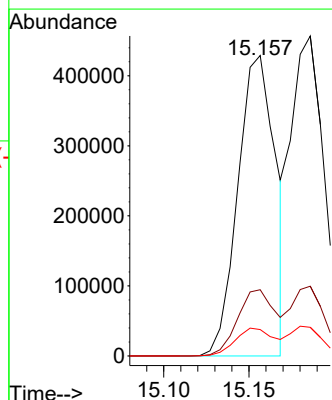
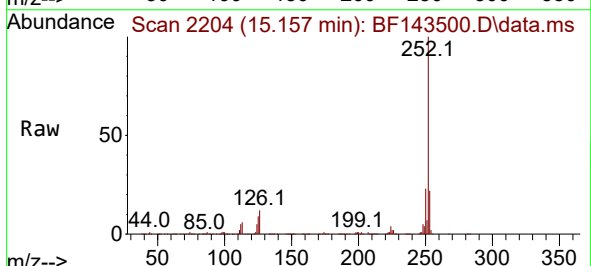
Tgt Ion:252 Resp: 660057

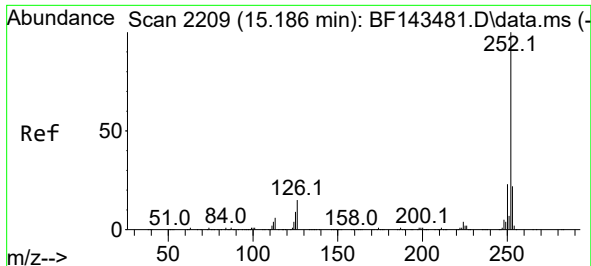
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 8.8 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 44.065 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

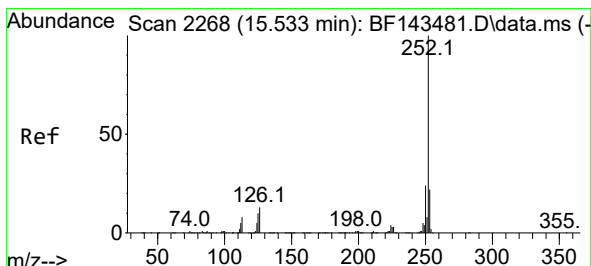
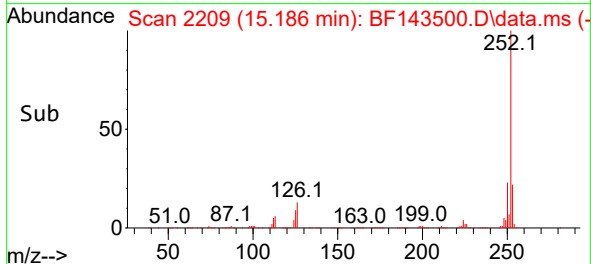
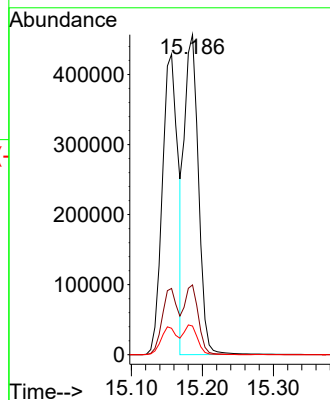
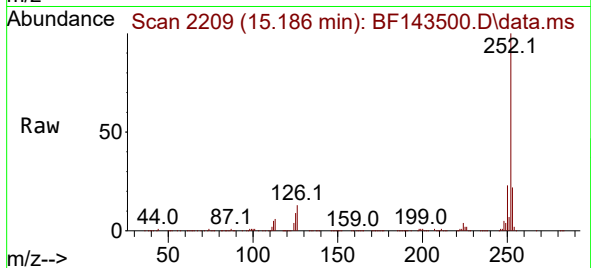
Tgt Ion:252 Resp: 624234

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 9.0 7.4 11.0



#90

Benzo(a)pyrene

Concen: 46.858 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

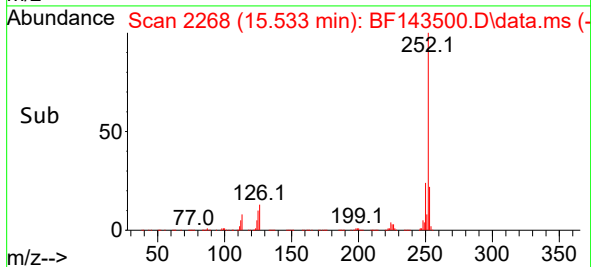
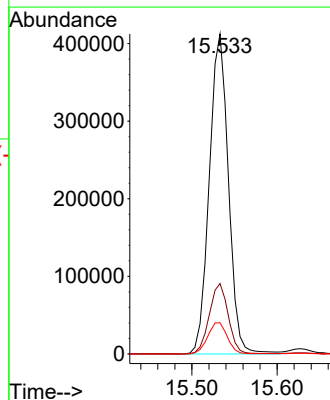
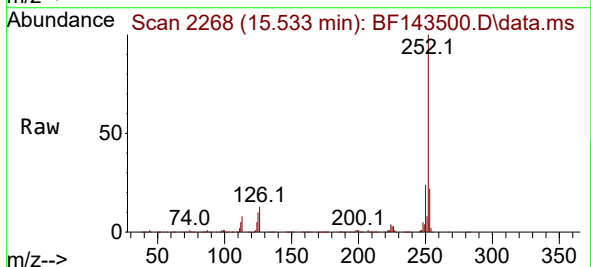
Tgt Ion:252 Resp: 643530

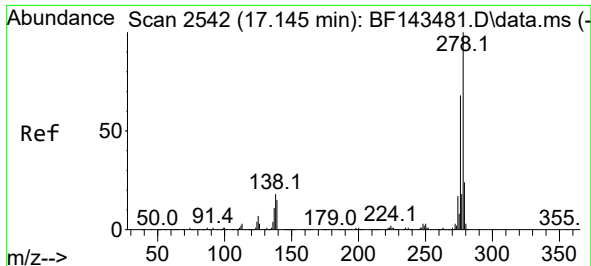
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.8 8.2 12.2

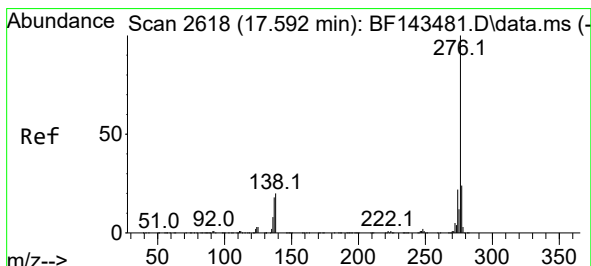
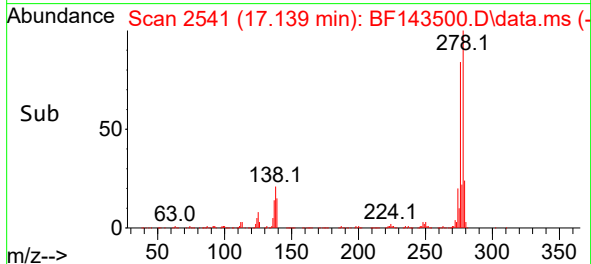
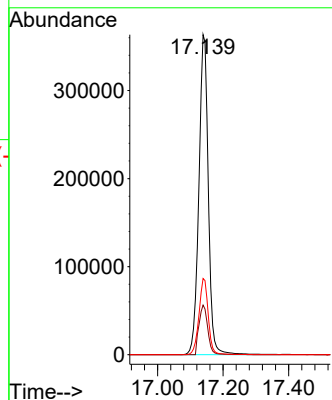
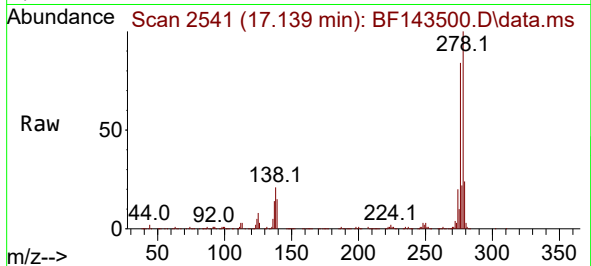




#91
Dibenzo(a,h)anthracene
Concen: 47.620 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

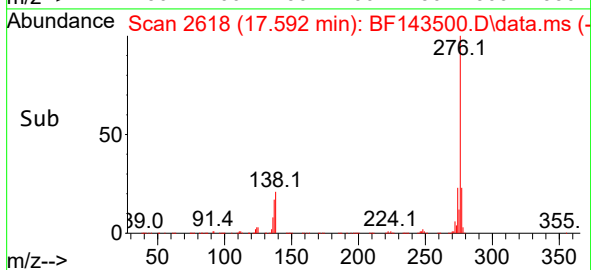
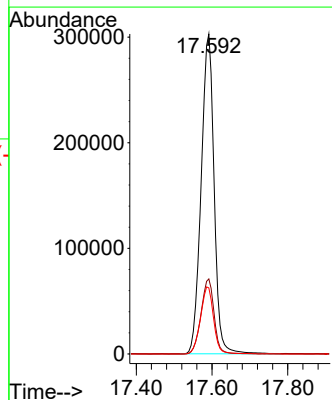
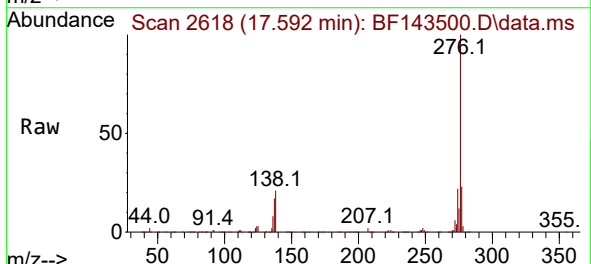
Instrument :
BNA_F
ClientSampleId :
PB169223BS

Tgt Ion:278 Resp: 729486
Ion Ratio Lower Upper
278 100
139 15.5 12.1 18.1
279 23.8 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 47.146 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:276 Resp: 718142
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 20.6 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143501.D
 Acq On : 20 Aug 2025 23:32
 Operator : RC/JU
 Sample : PB169223BSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD

Quant Time: Aug 21 02:08:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	120429	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	465856	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	252664	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	388075	20.000	ng	0.00
76) Chrysene-d12	14.098	240	209415	20.000	ng	0.00
86) Perylene-d12	15.592	264	232706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	874783	126.839	ng	0.01
7) Phenol-d6	6.563	99	1084783	127.416	ng	-0.01
23) Nitrobenzene-d5	7.487	82	728662	91.275	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	313012	133.087	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1343491	87.878	ng	0.00
79) Terphenyl-d14	13.033	244	1153127	96.089	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.846	88	123360	38.611	ng	98
3) Pyridine	3.605	79	337730	39.688	ng	98
4) n-Nitrosodimethylamine	3.546	42	188955	49.395	ng	95
6) Aniline	6.593	93	413568	36.342	ng	97
8) 2-Chlorophenol	6.716	128	352532	46.278	ng	99
9) Benzaldehyde	6.475	77	195366	28.343	ng	96
10) Phenol	6.581	94	441061	44.970	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	339210	46.282	ng	99
12) 1,3-Dichlorobenzene	6.869	146	401016	46.853	ng	100
13) 1,4-Dichlorobenzene	6.946	146	403693	47.020	ng	99
14) 1,2-Dichlorobenzene	7.098	146	380734	46.838	ng	99
15) Benzyl Alcohol	7.069	79	305955	47.999	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	557883	47.578	ng	100
17) 2-Methylphenol	7.181	107	290520	47.518	ng	96
18) Hexachloroethane	7.440	117	135315	46.355	ng	97
19) n-Nitroso-di-n-propyla...	7.340	70	247579	47.577	ng	100
20) 3+4-Methylphenols	7.334	107	340476	46.650	ng	99
22) Acetophenone	7.334	105	474812	47.177	ng	99
24) Nitrobenzene	7.504	77	381475	46.428	ng	99
25) Isophorone	7.745	82	692618	47.330	ng	99
26) 2-Nitrophenol	7.822	139	193155	47.991	ng	97
27) 2,4-Dimethylphenol	7.863	122	304721	48.568	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	416616	46.325	ng	99
29) 2,4-Dichlorophenol	8.069	162	303555	45.302	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	327949	47.602	ng	100
31) Naphthalene	8.234	128	1009614	45.141	ng	100
32) Benzoic acid	7.993	122	155257	44.079	ng	98
33) 4-Chloroaniline	8.275	127	200975	25.318	ng	99
34) Hexachlorobutadiene	8.351	225	206996	46.053	ng	99
35) Caprolactam	8.645	113	51916	32.288	ng	97
36) 4-Chloro-3-methylphenol	8.763	107	311458	46.382	ng	98
37) 2-Methylnaphthalene	8.922	142	612085	40.976	ng	100
38) 1-Methylnaphthalene	9.022	142	627504	43.916	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	324443	44.892	ng	99
41) Hexachlorocyclopentadiene	9.081	237	322174	111.931	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	206865	46.517	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143501.D
 Acq On : 20 Aug 2025 23:32
 Operator : RC/JU
 Sample : PB169223BSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD

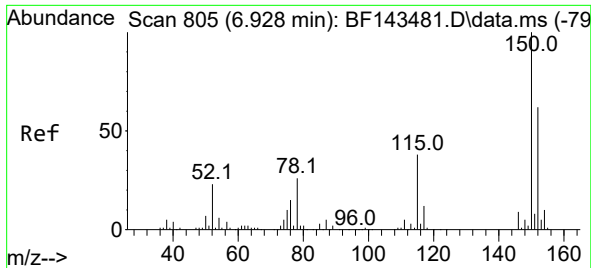
Quant Time: Aug 21 02:08:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	220012	45.292	ng	99
46) 1,1'-Biphenyl	9.387	154	828011	46.171	ng	99
47) 2-Chloronaphthalene	9.410	162	641503	45.590	ng	99
48) 2-Nitroaniline	9.504	65	200435	48.672	ng	100
49) Acenaphthylene	9.828	152	1026638	50.955	ng	100
50) Dimethylphthalate	9.687	163	736986	48.431	ng	100
51) 2,6-Dinitrotoluene	9.745	165	162742	51.601	ng	99
52) Acenaphthene	9.998	154	670314	49.001	ng	99
53) 3-Nitroaniline	9.916	138	114039	33.463	ng	100
54) 2,4-Dinitrophenol	10.028	184	140919	83.316	ng	97
55) Dibenzofuran	10.175	168	893197	45.798	ng	99
56) 4-Nitrophenol	10.086	139	199779	98.523	ng	95
57) 2,4-Dinitrotoluene	10.151	165	215851	51.256	ng	96
58) Fluorene	10.516	166	686867	45.759	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	191525	53.070	ng	98
60) Diethylphthalate	10.381	149	679159	49.780	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	346760	46.191	ng	99
62) 4-Nitroaniline	10.534	138	150552	48.096	ng	96
63) Azobenzene	10.663	77	688349	48.659	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	107871	49.298	ng	96
66) n-Nitrosodiphenylamine	10.622	169	600099	48.050	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	218272	47.139	ng	96
68) Hexachlorobenzene	11.069	284	234745	47.032	ng	99
69) Atrazine	11.145	200	170052	52.748	ng	98
70) Pentachlorophenol	11.263	266	224077	98.027	ng	99
71) Phenanthrene	11.481	178	966905	46.526	ng	100
72) Anthracene	11.533	178	995006	47.262	ng	100
73) Carbazole	11.681	167	810034	46.956	ng	99
74) Di-n-butylphthalate	12.010	149	843046	52.386	ng	100
75) Fluoranthene	12.669	202	850946	45.633	ng	99
77) Benzidine	12.786	184	211509	41.464	ng	99
78) Pyrene	12.898	202	836842	48.580	ng	99
80) Butylbenzylphthalate	13.510	149	241965	51.418	ng	99
81) Benzo(a)anthracene	14.086	228	639057	47.400	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	121546	31.480	ng	98
83) Chrysene	14.122	228	583865	48.189	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	352942	49.243	ng	100
85) Di-n-octyl phthalate	14.680	149	658652	49.606	ng	100
87) Indeno(1,2,3-cd)pyrene	17.127	276	843139	50.420	ng	100
88) Benzo(b)fluoranthene	15.157	252	647733	50.075	ng	99
89) Benzo(k)fluoranthene	15.186	252	617926	49.893	ng	99
90) Benzo(a)pyrene	15.533	252	622315	51.830	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	692517	51.709	ng	99
92) Benzo(g,h,i)perylene	17.592	276	692232	51.981	ng	100

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

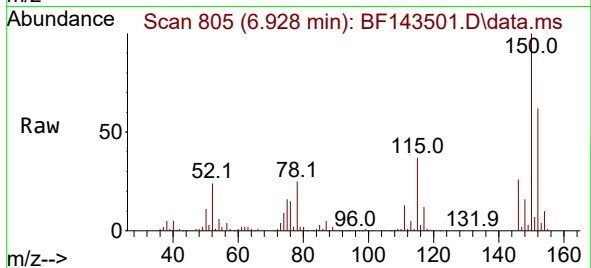
- 1
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- 16
- 17
- 18

[illegible]

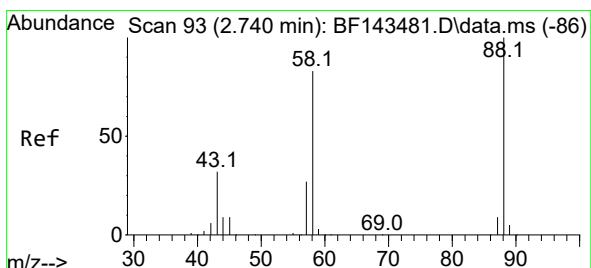
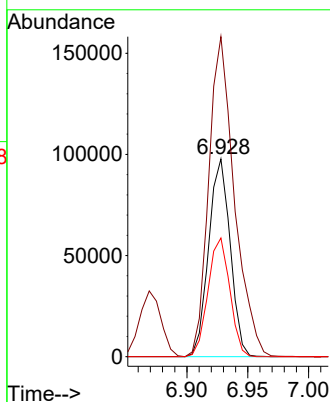
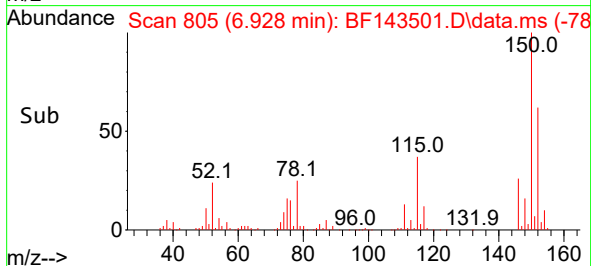


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

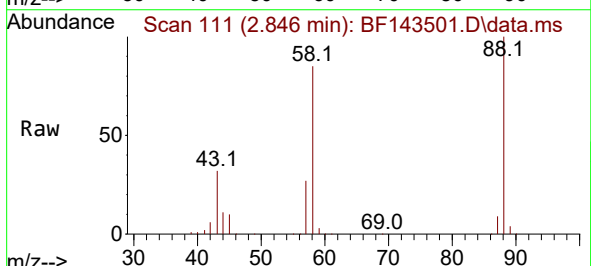
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



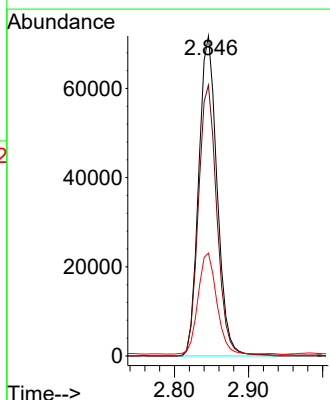
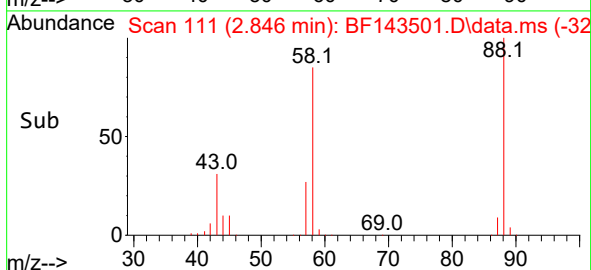
Tgt Ion:152 Resp: 120429
Ion Ratio Lower Upper
152 100
150 161.8 128.9 193.3
115 60.1 49.2 73.8

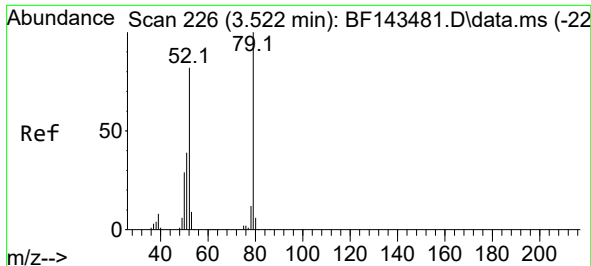


#2
1,4-Dioxane
Concen: 38.611 ng
RT: 2.846 min Scan# 111
Delta R.T. 0.112 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion: 88 Resp: 123360
Ion Ratio Lower Upper
88 100
58 85.4 66.7 100.1
43 32.1 25.8 38.8





#3

Pyridine

Concen: 39.688 ng

RT: 3.605 min Scan# 24

Delta R.T. 0.088 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

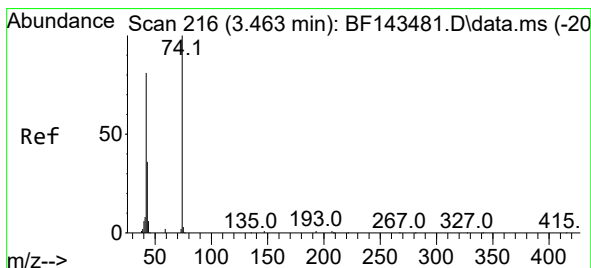
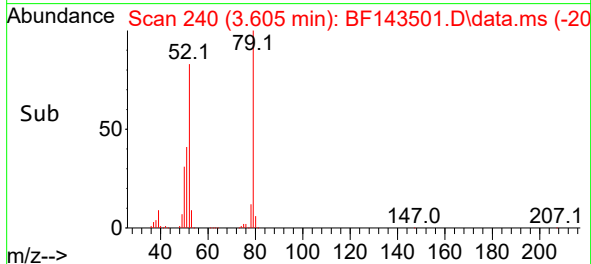
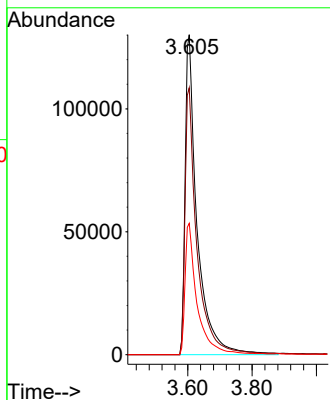
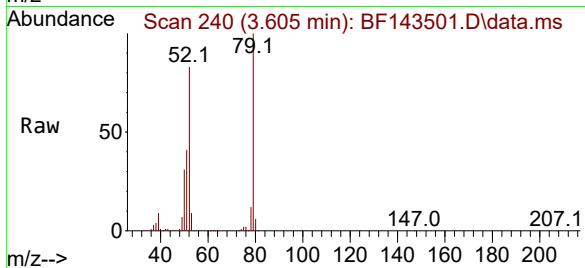
Tgt Ion: 79 Resp: 337730

Ion Ratio Lower Upper

79 100

52 83.4 65.6 98.4

51 41.1 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 49.395 ng

RT: 3.546 min Scan# 230

Delta R.T. 0.071 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

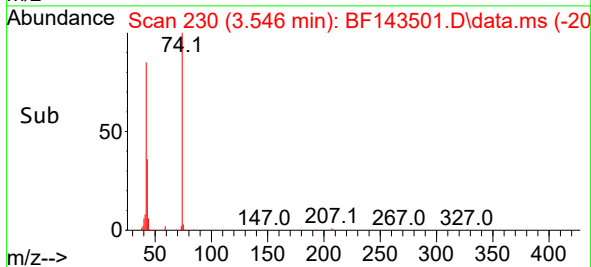
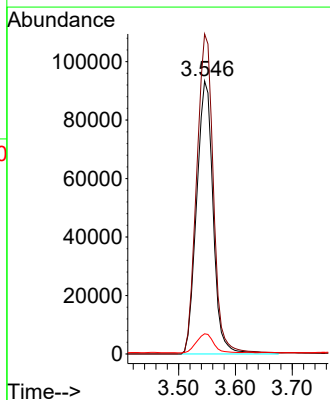
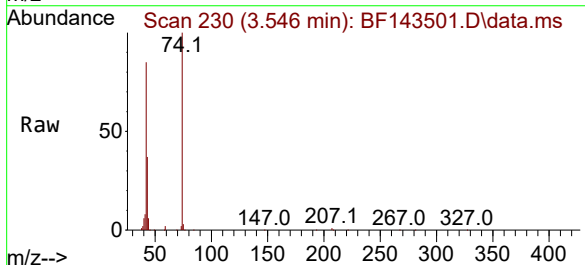
Tgt Ion: 42 Resp: 188955

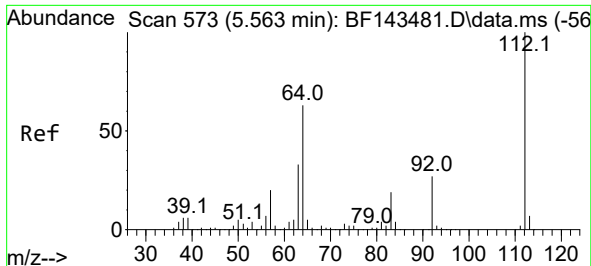
Ion Ratio Lower Upper

42 100

74 117.2 98.6 148.0

44 7.4 5.8 8.8

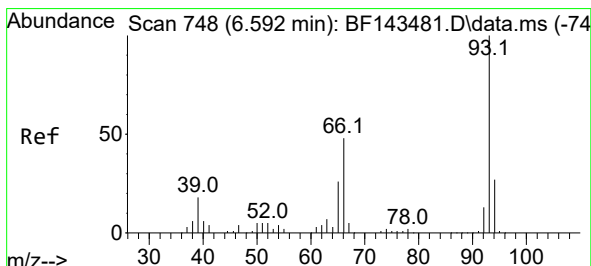
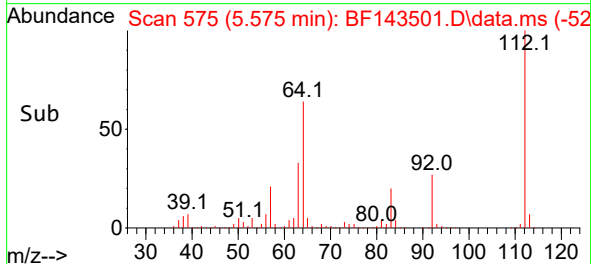
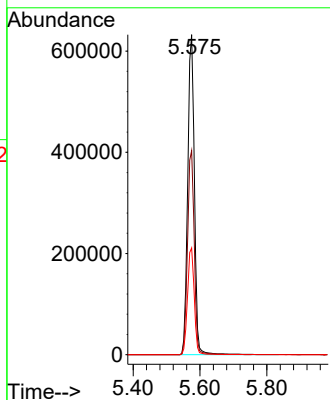
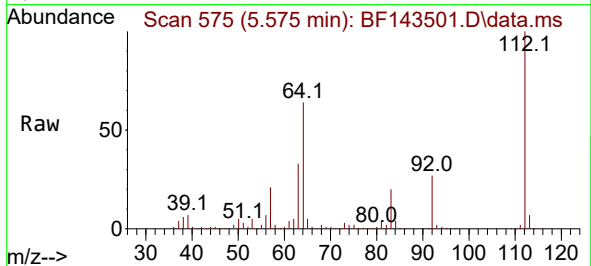




#5
2-Fluorophenol
Concen: 126.839 ng
RT: 5.575 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

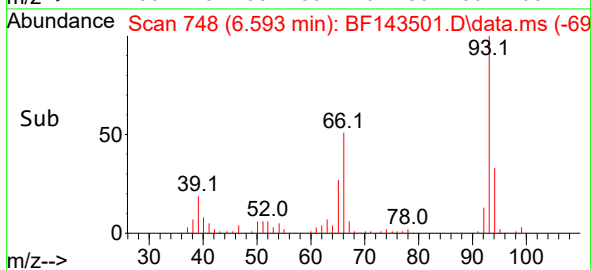
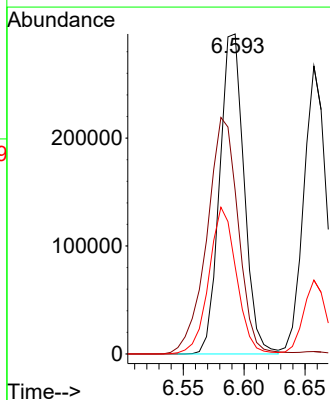
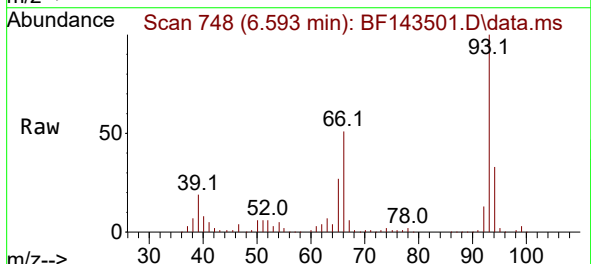
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

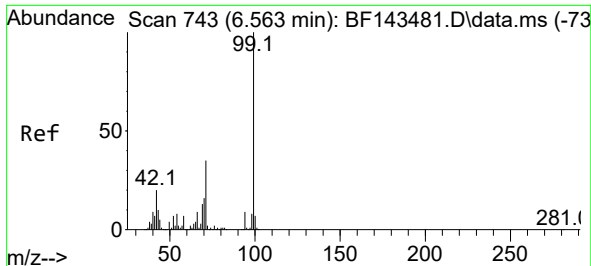
Tgt Ion:112 Resp: 874783
Ion Ratio Lower Upper
112 100
64 63.8 50.4 75.6
63 33.4 26.4 39.6



#6
Aniline
Concen: 36.342 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion: 93 Resp: 413568
Ion Ratio Lower Upper
93 100
66 51.0 38.9 58.3
65 27.3 20.6 30.8

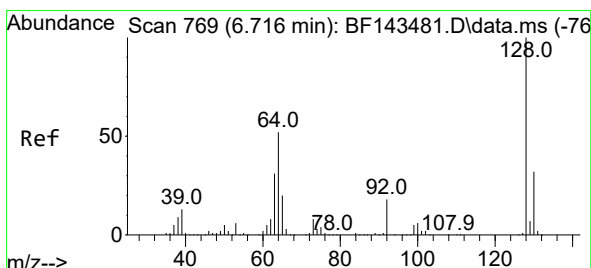
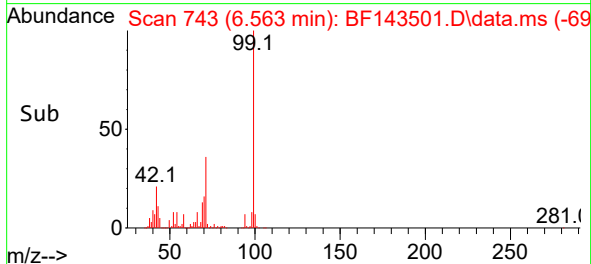
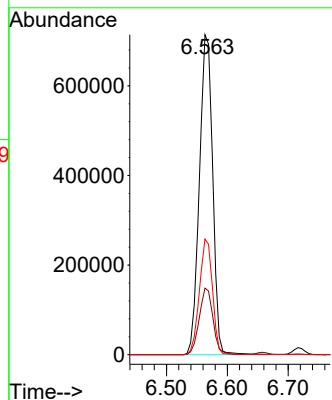
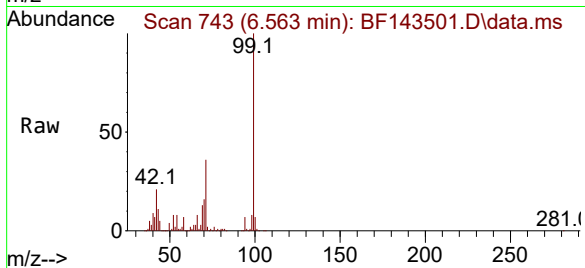




#7
Phenol-d6
Concen: 127.416 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

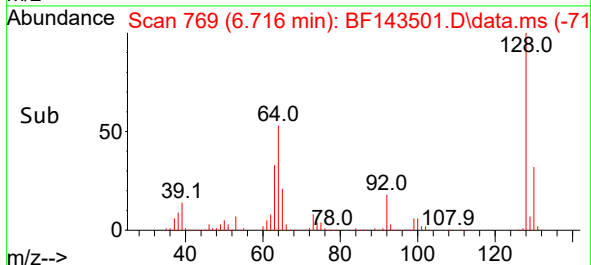
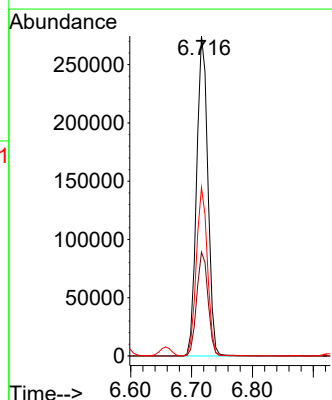
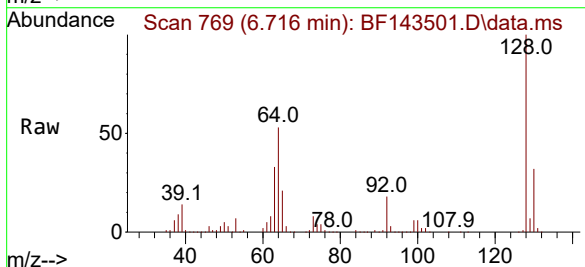
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

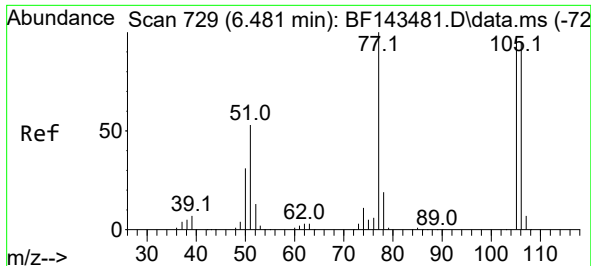
Tgt Ion: 99 Resp: 1084783
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 36.1 28.2 42.2



#8
2-Chlorophenol
Concen: 46.278 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion: 128 Resp: 352532
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 52.6 31.6 71.6

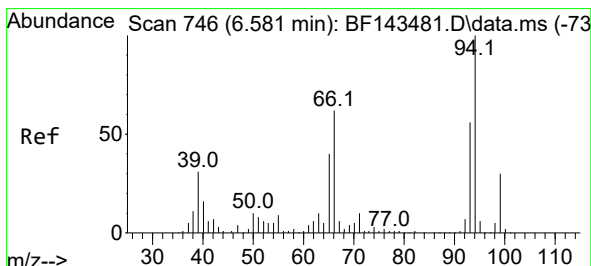
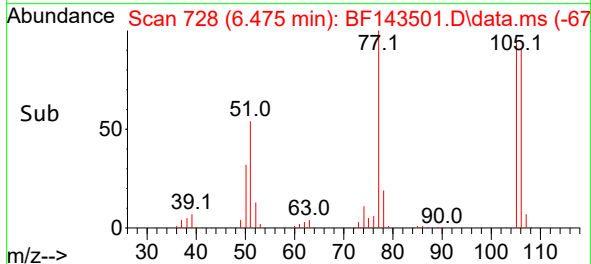
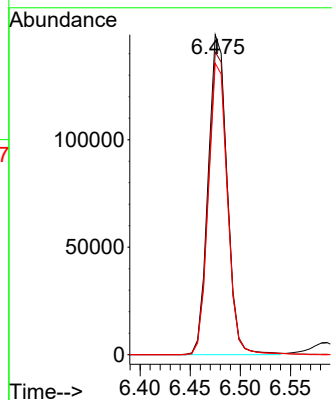
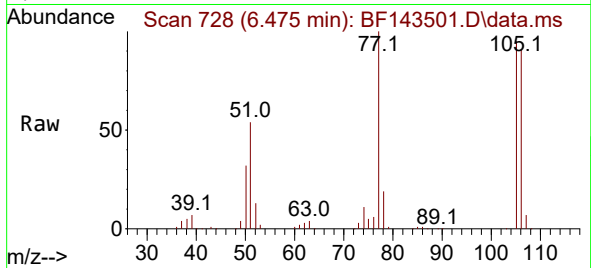




#9
Benzaldehyde
Concen: 28.343 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

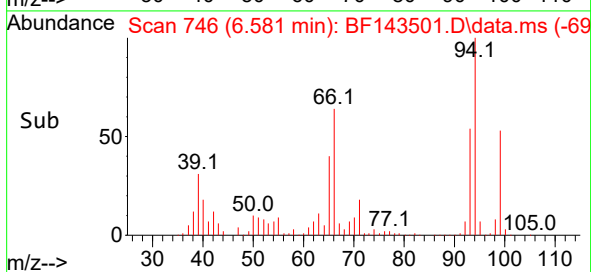
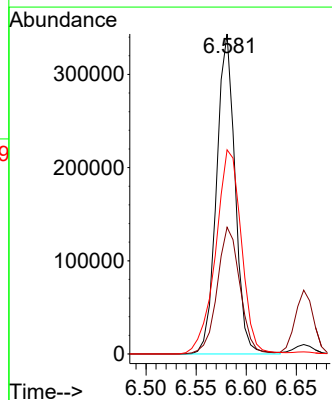
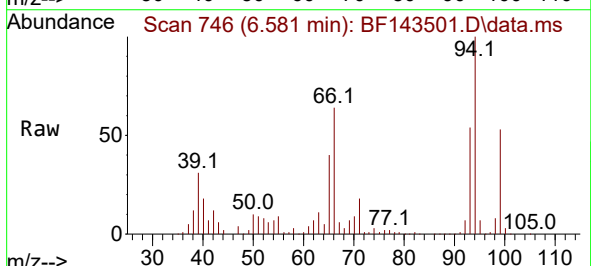
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

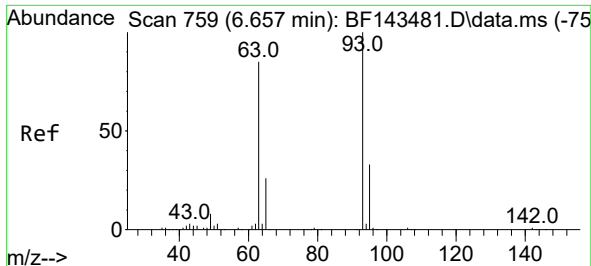
Tgt Ion: 77 Resp: 195366
Ion Ratio Lower Upper
77 100
105 94.5 78.1 118.1
106 91.1 74.9 114.9



#10
Phenol
Concen: 44.970 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion: 94 Resp: 441061
Ion Ratio Lower Upper
94 100
65 39.6 19.5 59.5
66 63.8 42.5 82.5

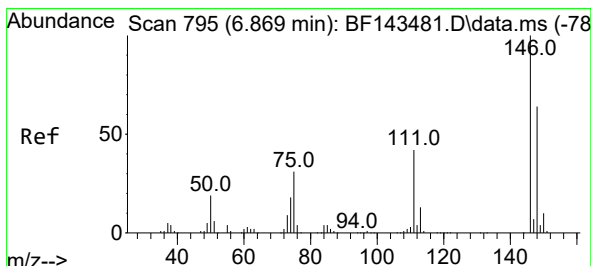
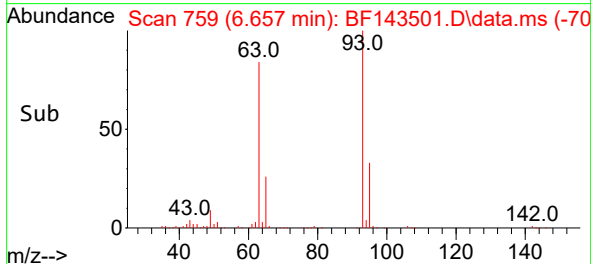
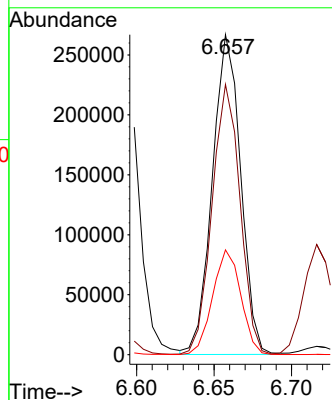
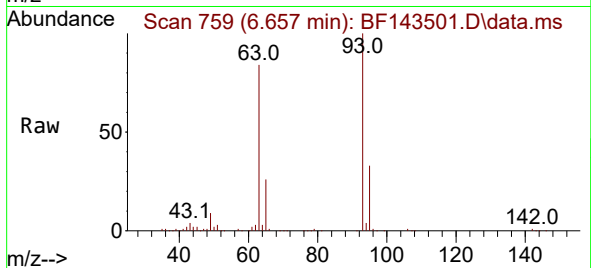




#11
bis(2-Chloroethyl)ether
Concen: 46.282 ng
RT: 6.657 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

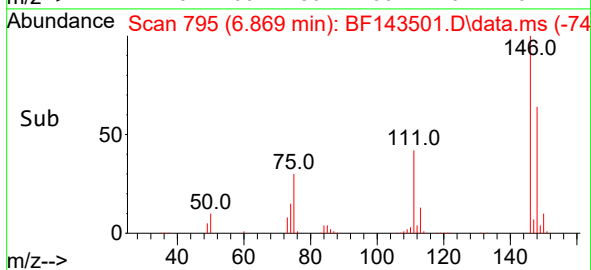
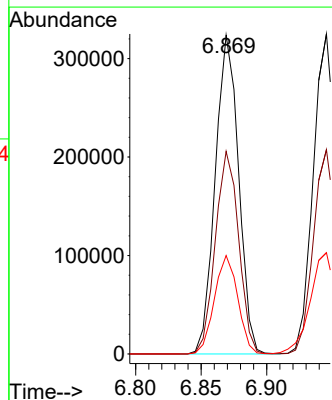
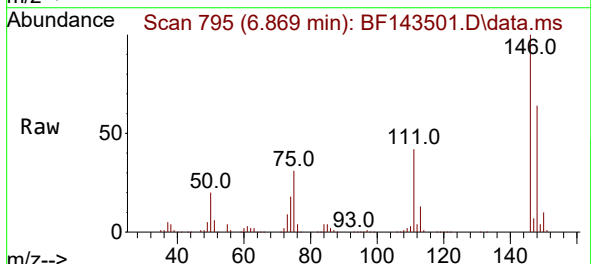
Instrument :
BNA_F
ClientSampleId :
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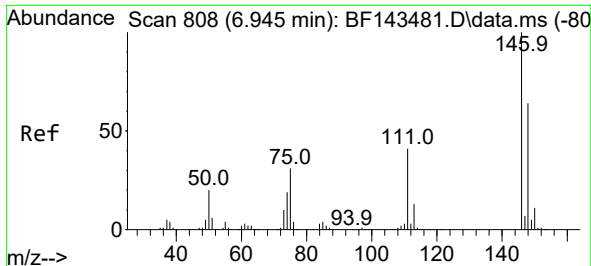
Tgt Ion:	93	Resp:	339210
Ion	Ratio	Lower	Upper
93	100		
63	84.4	63.6	103.6
95	32.7	12.8	52.8



#12
1,3-Dichlorobenzene
Concen: 46.853 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:	146	Resp:	401016
Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.3	76.9
75	30.9	24.7	37.1

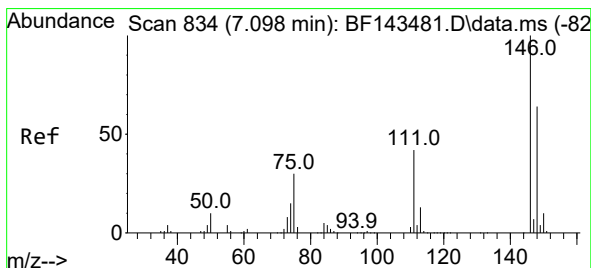
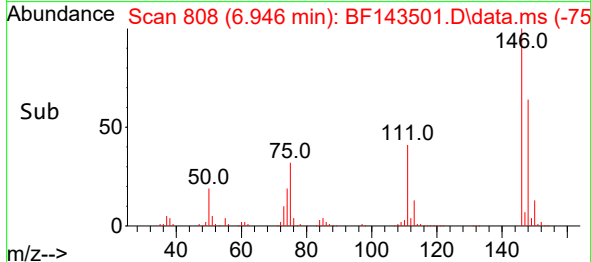
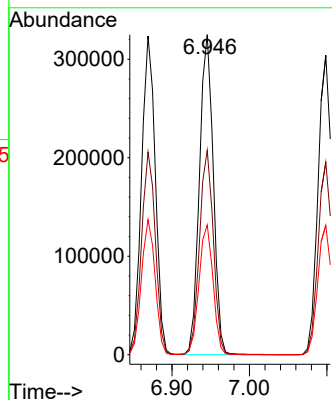
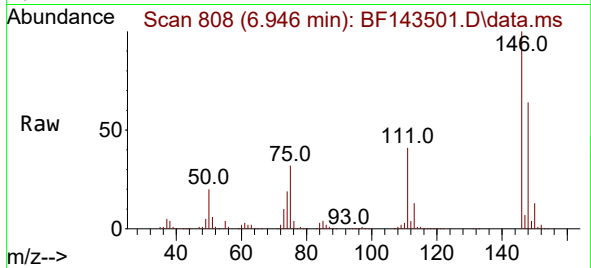




#13
1,4-Dichlorobenzene
Concen: 47.020 ng
RT: 6.946 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

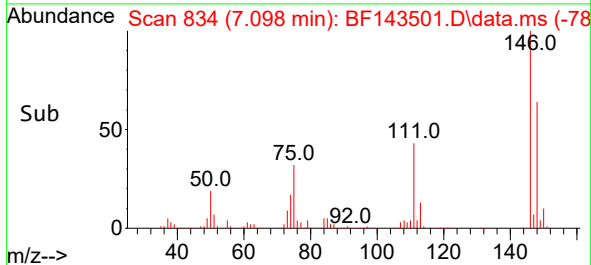
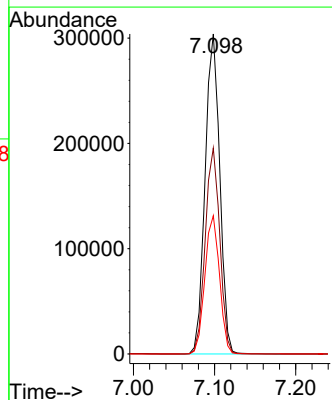
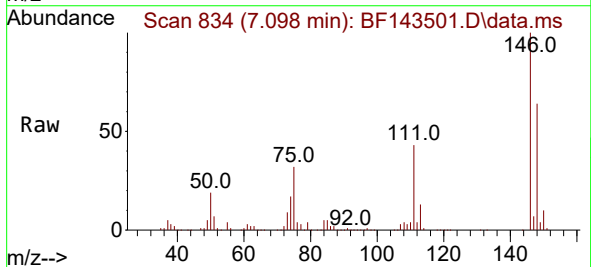
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BNA_F
ClientSampleId :
PB169223BSD

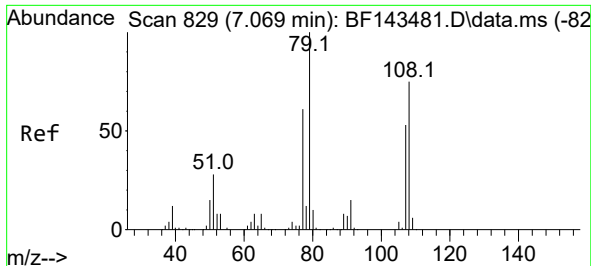
Tgt Ion:146 Resp: 403693
Ion Ratio Lower Upper
146 100
148 63.8 51.5 77.3
111 40.6 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 46.838 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:146 Resp: 380734
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.6
111 43.2 34.0 51.0

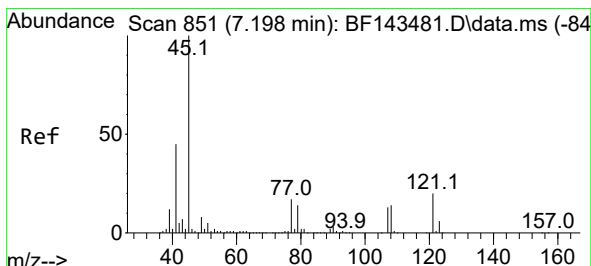
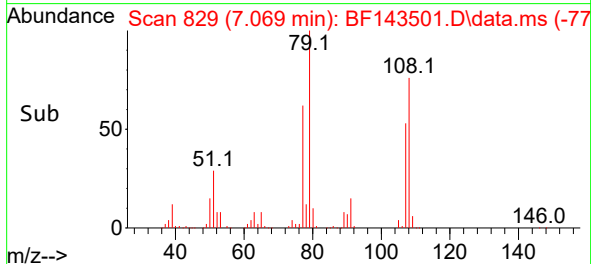
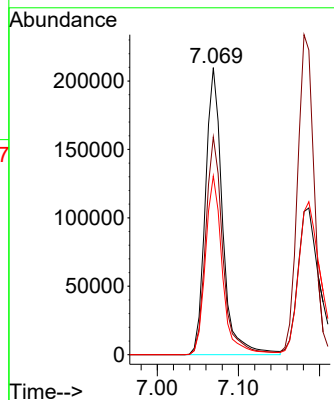
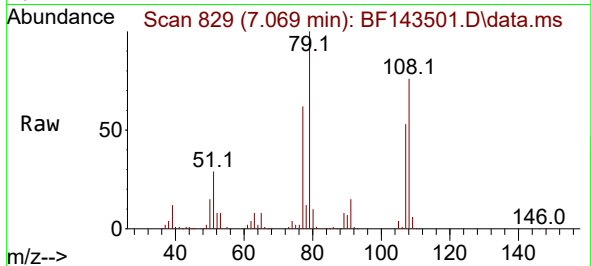




#15
Benzyl Alcohol
Concen: 47.999 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

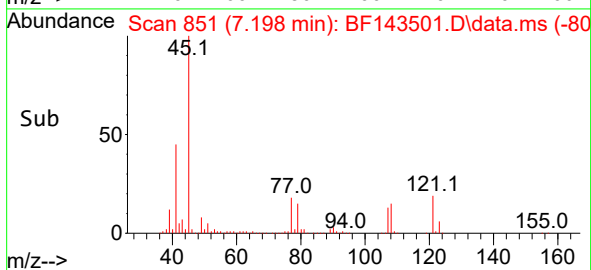
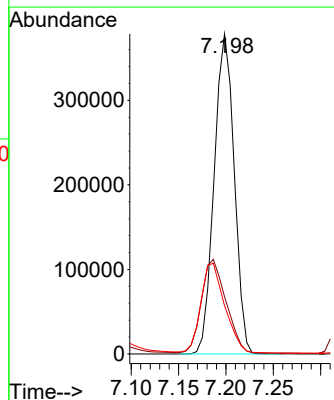
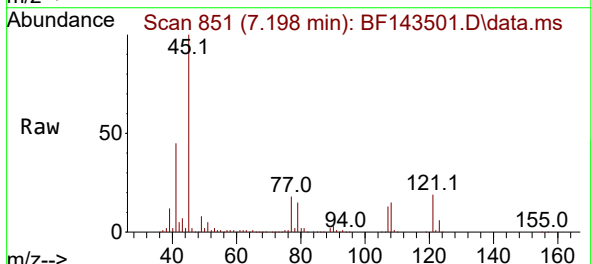
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

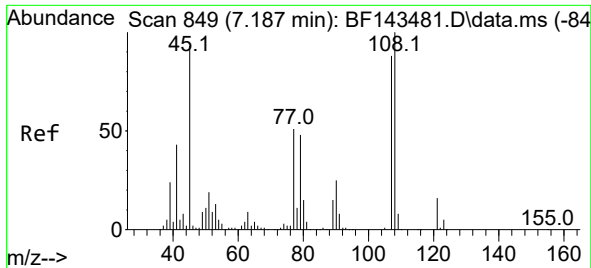
Tgt Ion: 79 Resp: 305955
Ion Ratio Lower Upper
79 100
108 75.9 59.8 89.6
77 62.3 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.578 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion: 45 Resp: 557883
Ion Ratio Lower Upper
45 100
77 17.9 0.0 37.9
79 15.1 0.0 34.7

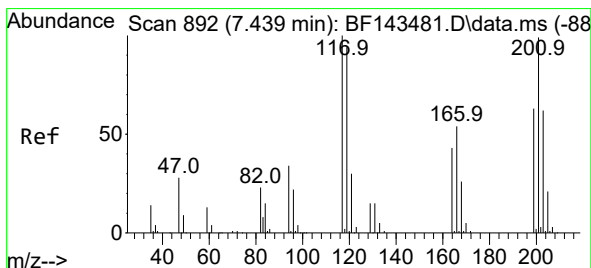
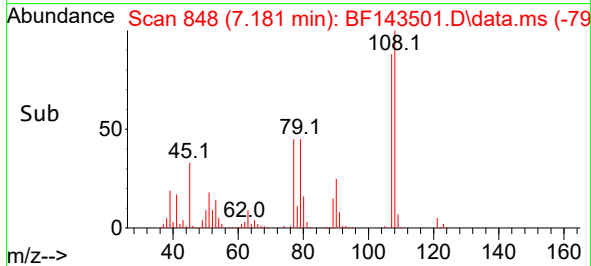
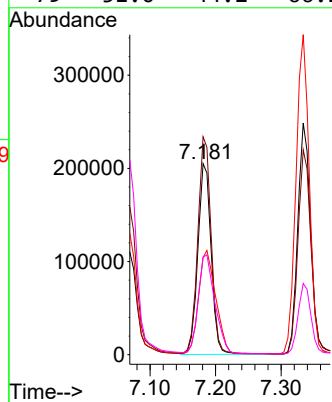
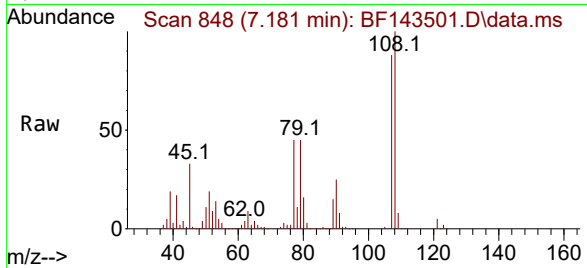




#17
2-Methylphenol
Concen: 47.518 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

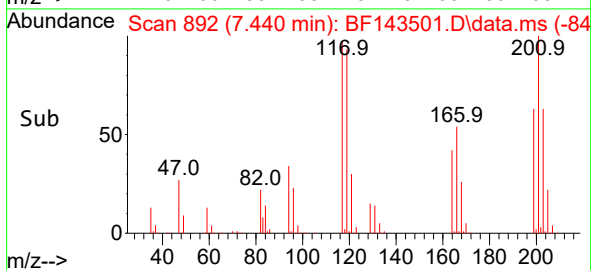
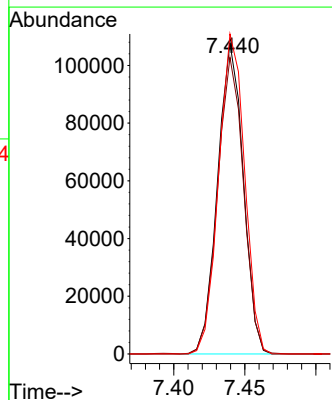
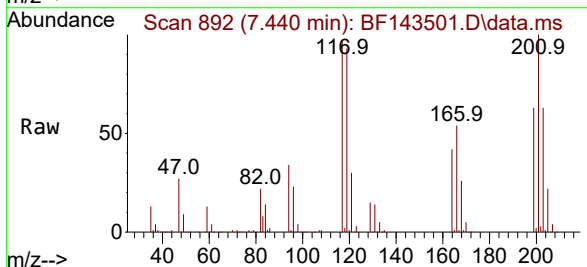
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

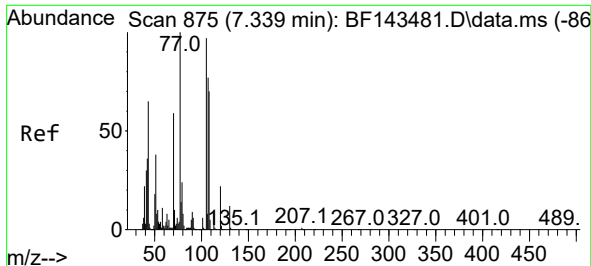
Tgt Ion:	107	Resp:	290520
Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.1	136.7
77	50.9	46.2	69.4
79	51.0	44.2	66.2



#18
Hexachloroethane
Concen: 46.355 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:	117	Resp:	135315
Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.4	113.0
201	102.9	79.0	118.4



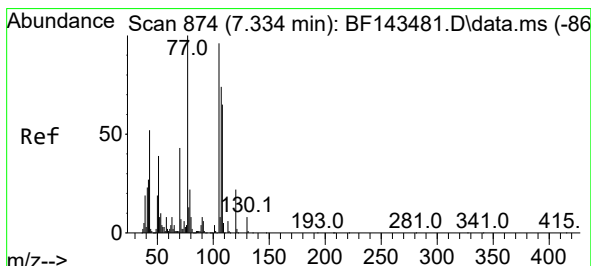
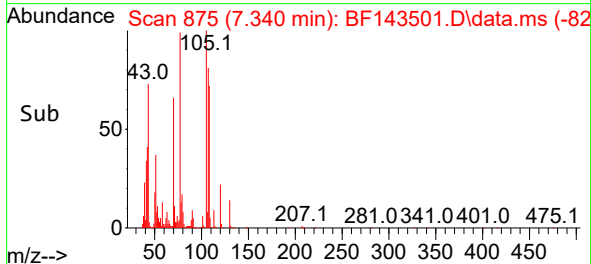
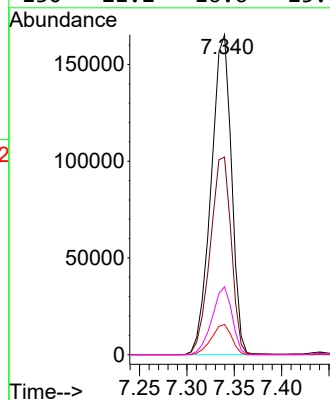
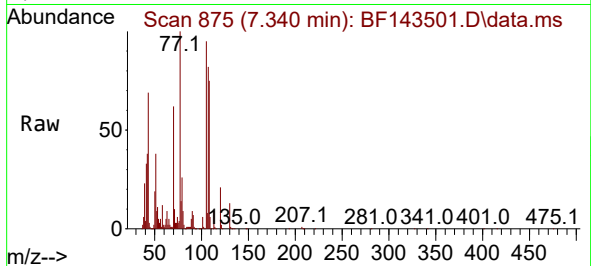


#19
n-Nitroso-di-n-propylamine
Concen: 47.577 ng
RT: 7.340 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

Tgt Ion: 70 Resp: 247579

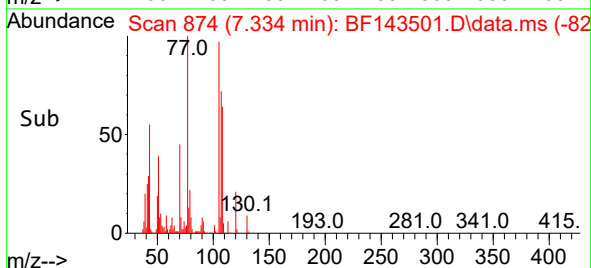
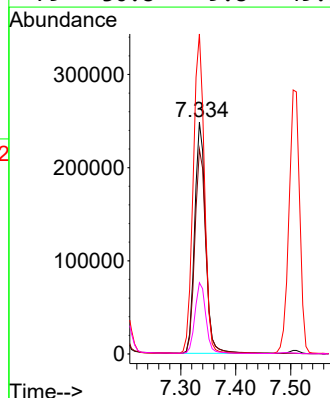
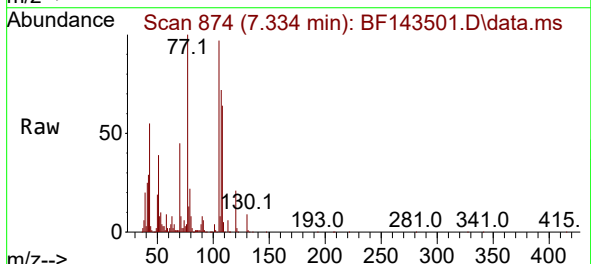
Ion	Ratio	Lower	Upper
70	100		
42	61.7	49.3	73.9
101	9.4	7.8	11.8
130	21.2	16.6	25.0

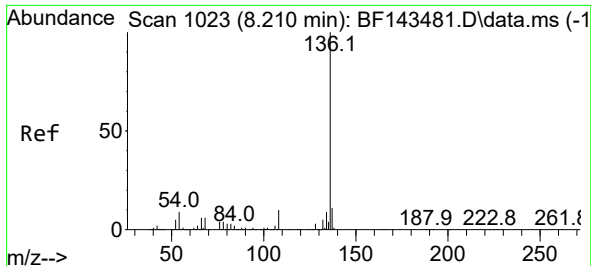


#20
3+4-Methylphenols
Concen: 46.650 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion: 107 Resp: 340476

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.4	108.4
77	138.1	116.1	156.1
79	30.8	9.8	49.8

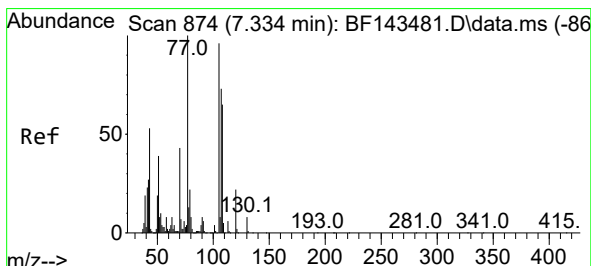
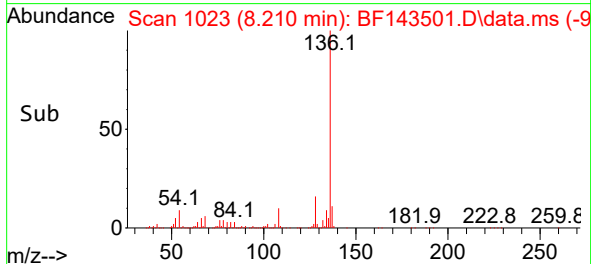
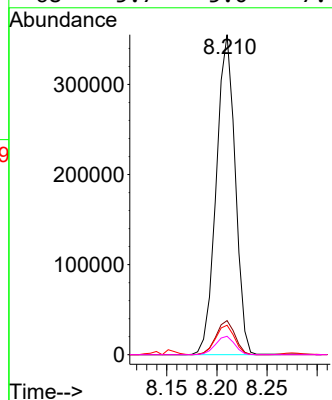
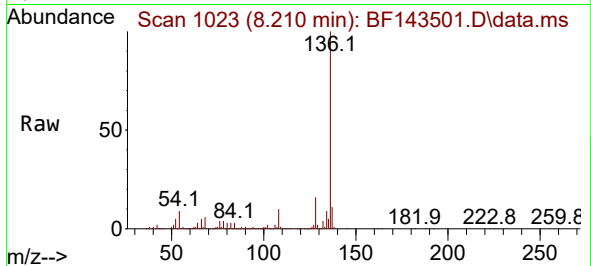




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

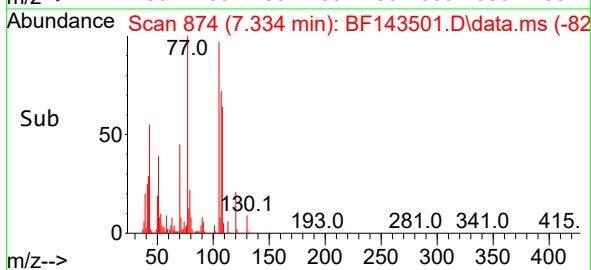
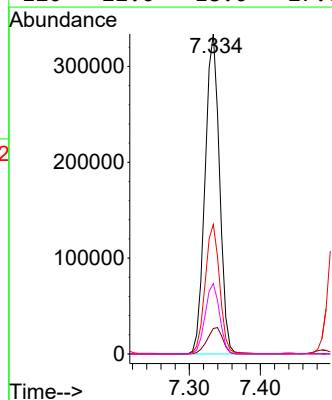
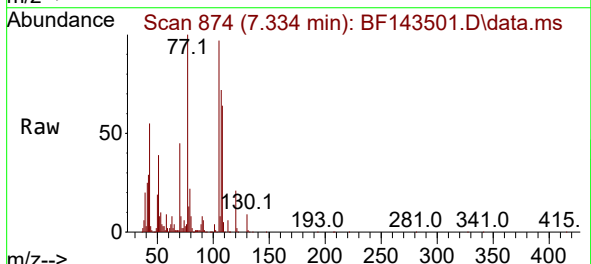
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

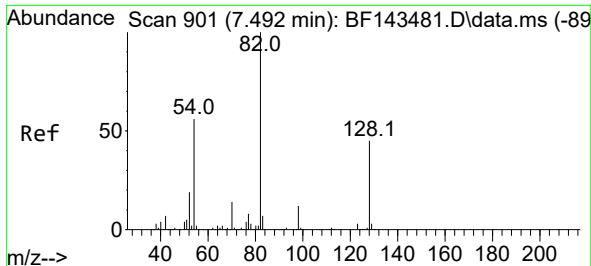
Tgt Ion:	136	Resp:	465856
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.0	13.4
54	9.2	7.4	11.2
68	5.7	5.0	7.4



#22
Acetophenone
Concen: 47.177 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:	105	Resp:	474812
Ion Ratio	Lower	Upper	
105	100		
71	8.0	5.9	8.9
51	40.5	32.5	48.7
120	22.0	18.0	27.0





#23

Nitrobenzene-d5

Concen: 91.275 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

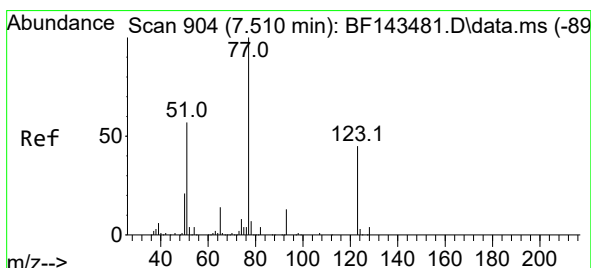
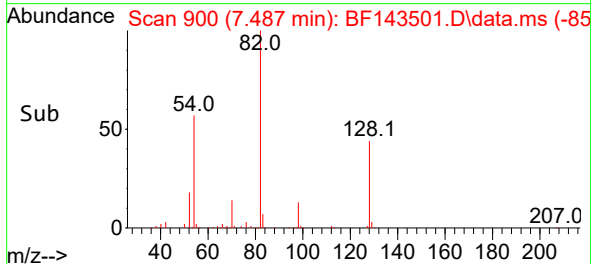
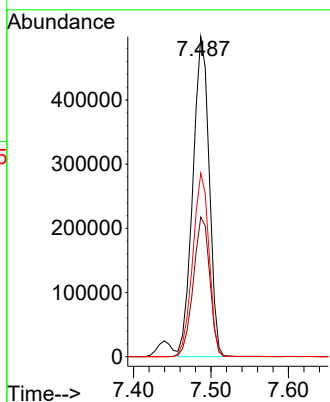
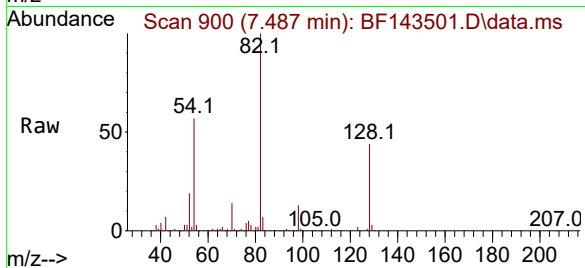
Tgt Ion: 82 Resp: 728662

Ion Ratio Lower Upper

82 100

128 43.6 35.5 53.3

54 57.3 44.3 66.5



#24

Nitrobenzene

Concen: 46.428 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

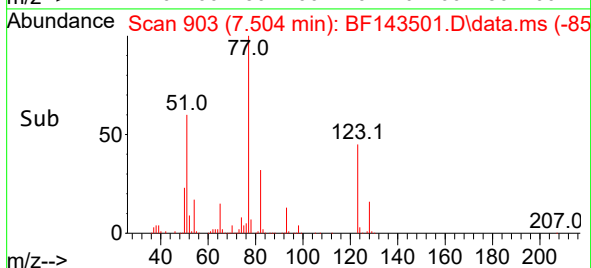
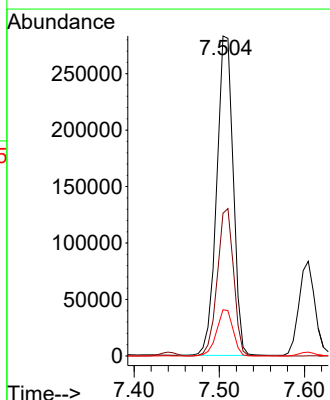
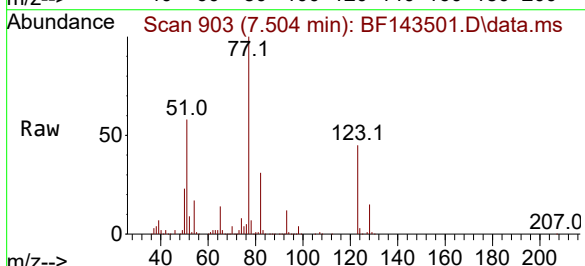
Tgt Ion: 77 Resp: 381475

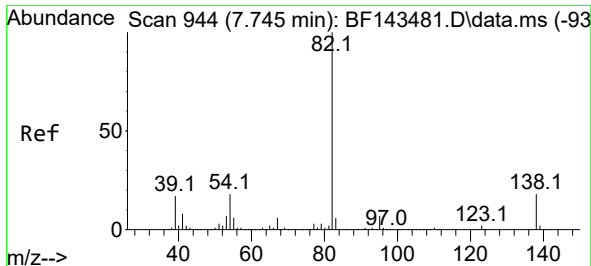
Ion Ratio Lower Upper

77 100

123 44.6 36.1 54.1

65 14.4 11.0 16.6

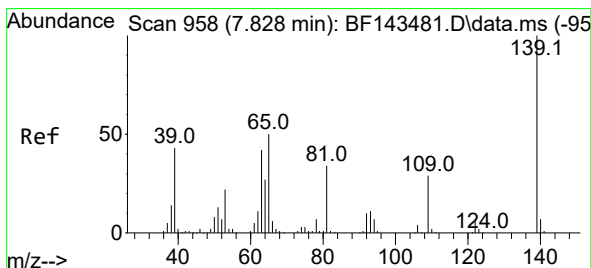
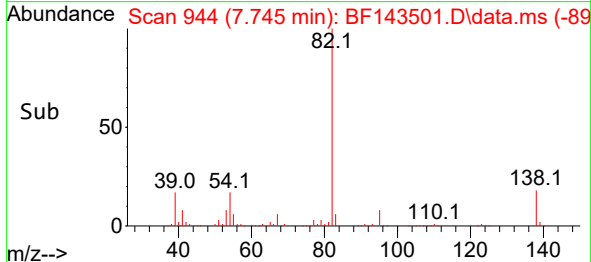
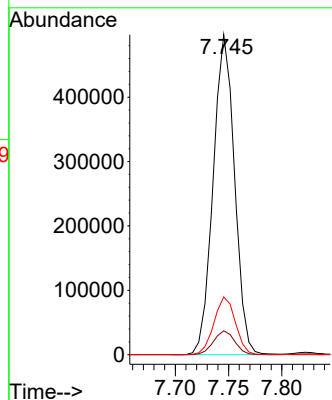
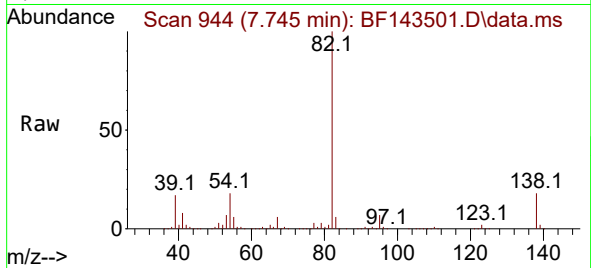




#25
Isophorone
Concen: 47.330 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

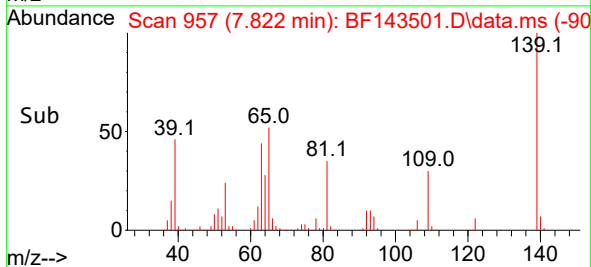
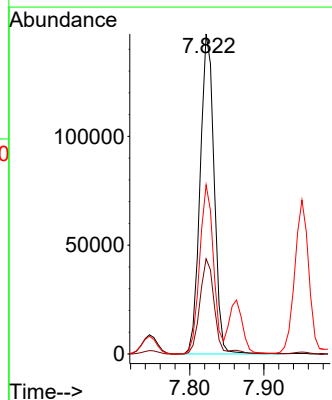
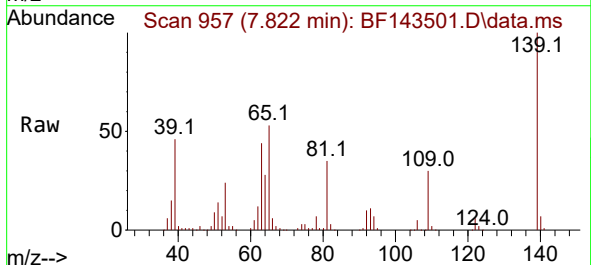
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

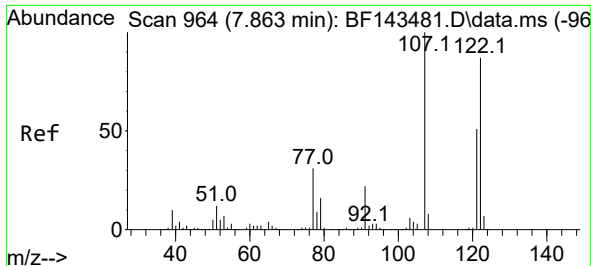
Tgt Ion: 82 Resp: 692618
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.8
138 18.0 14.2 21.4



#26
2-Nitrophenol
Concen: 47.991 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:139 Resp: 193155
Ion Ratio Lower Upper
139 100
109 29.8 23.0 34.6
65 52.8 40.3 60.5

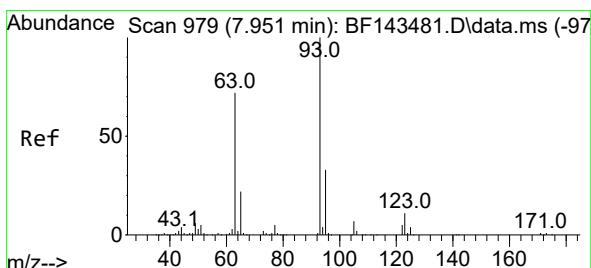
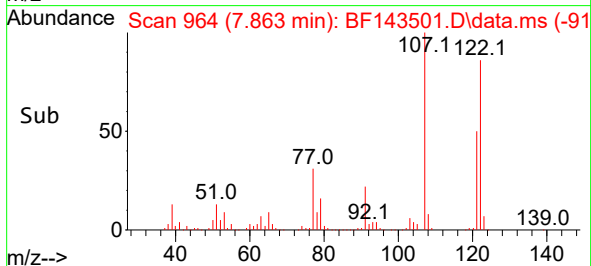
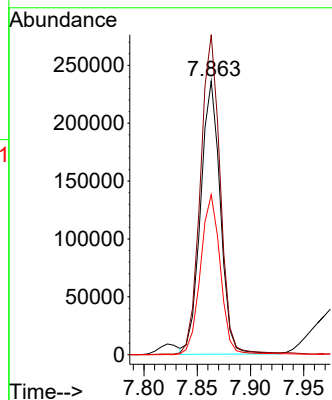
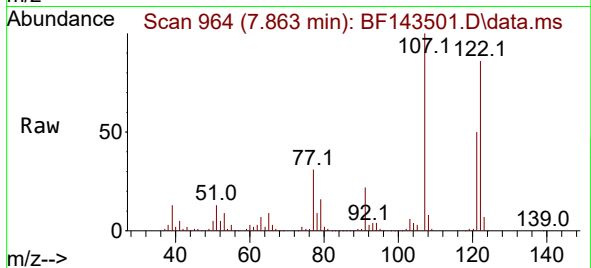




#27
2,4-Dimethylphenol
Concen: 48.568 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

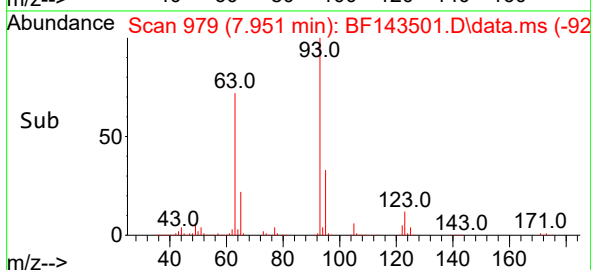
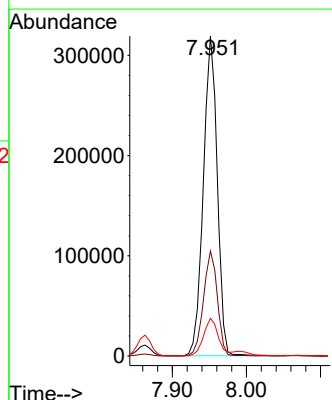
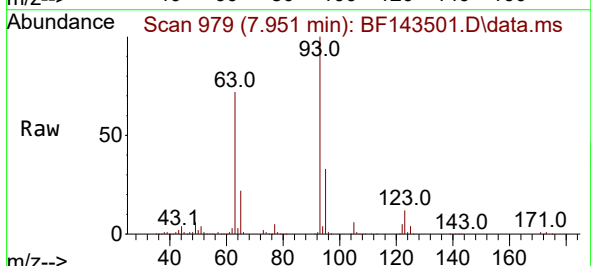
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

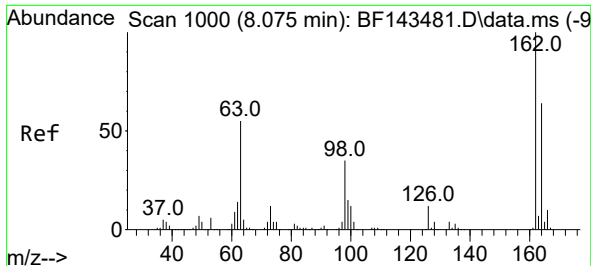
Tgt Ion:122 Resp: 304721
Ion Ratio Lower Upper
122 100
107 116.9 91.5 137.3
121 58.5 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 46.325 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion: 93 Resp: 416616
Ion Ratio Lower Upper
93 100
95 32.8 26.0 39.0
123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 45.302 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

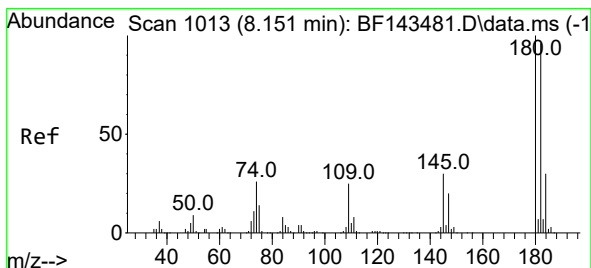
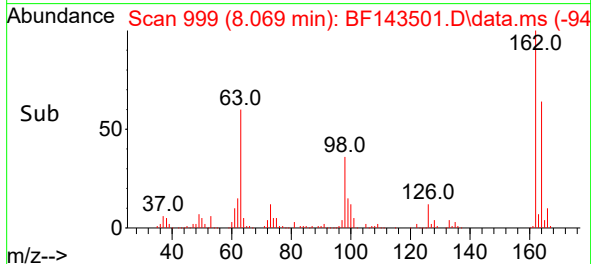
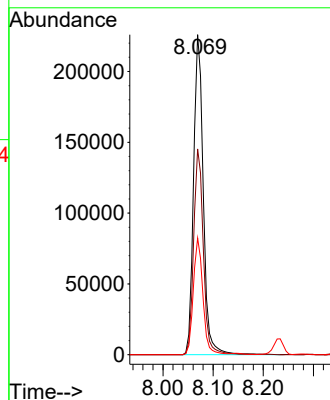
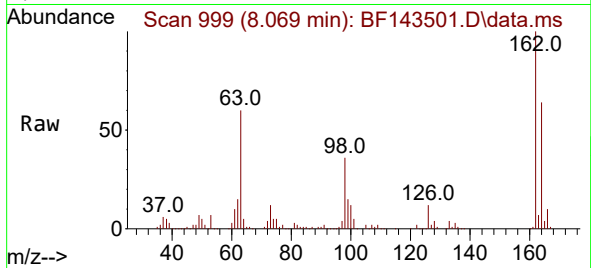
Tgt Ion:162 Resp: 303555

Ion Ratio Lower Upper

162 100

164 64.3 43.5 83.5

98 36.4 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 47.602 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

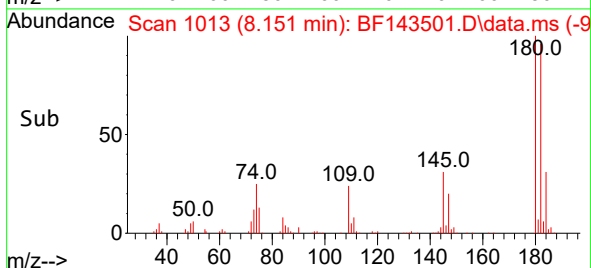
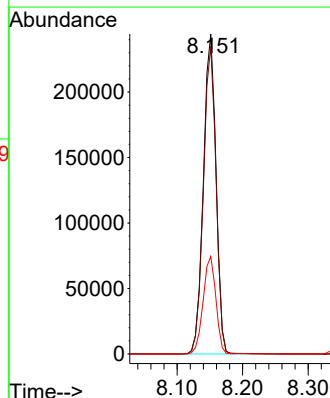
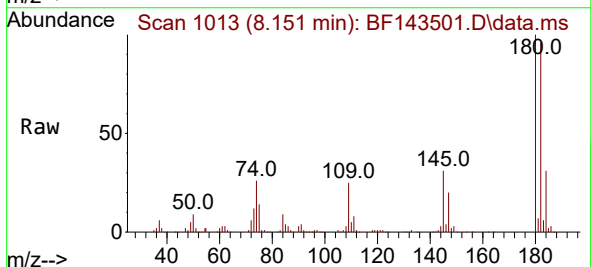
Tgt Ion:180 Resp: 327949

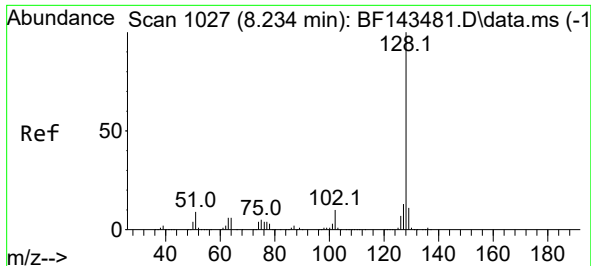
Ion Ratio Lower Upper

180 100

182 96.1 76.6 114.8

145 30.5 24.3 36.5





#31

Naphthalene

Concen: 45.141 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

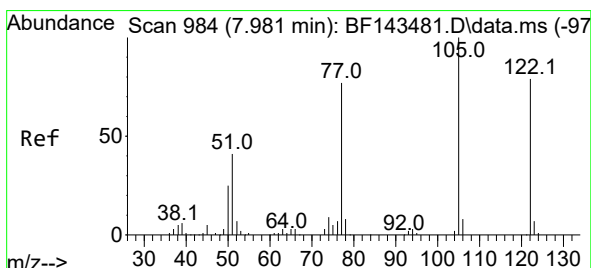
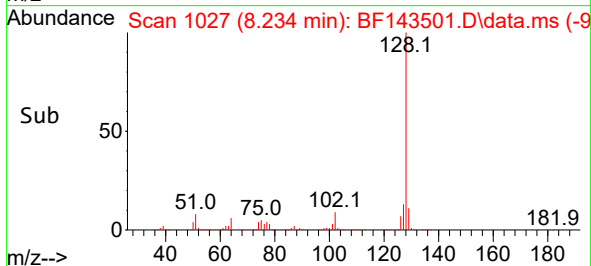
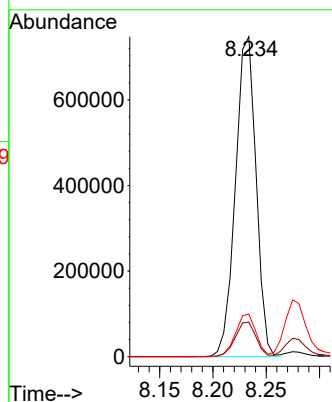
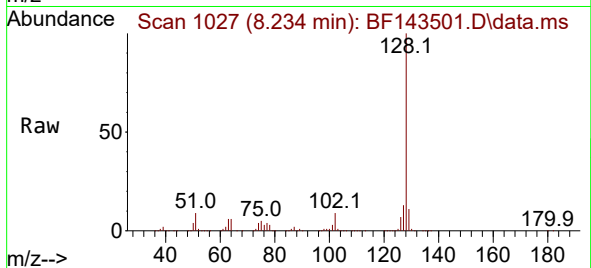
Tgt Ion:128 Resp: 1009614

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 44.079 ng

RT: 7.993 min Scan# 986

Delta R.T. -0.017 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

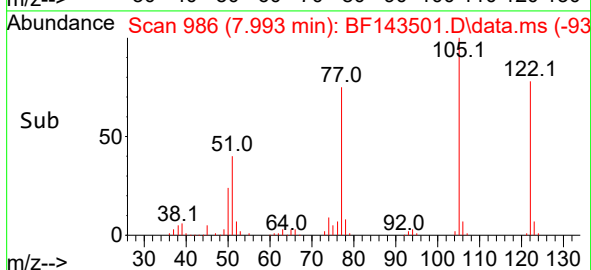
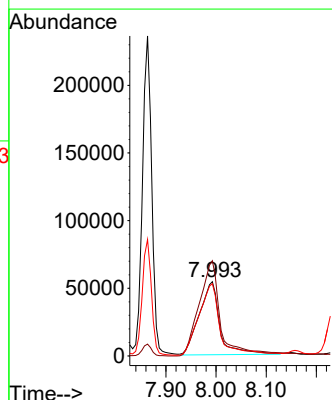
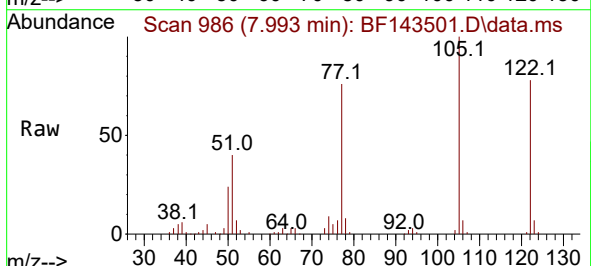
Tgt Ion:122 Resp: 155257

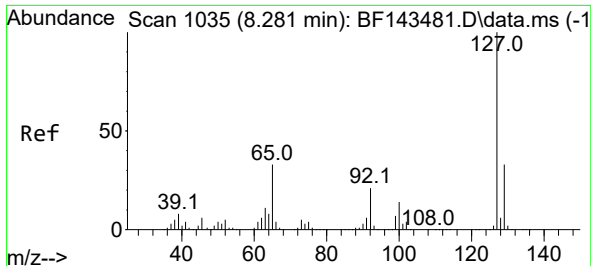
Ion Ratio Lower Upper

122 100

105 128.2 104.7 144.7

77 97.4 77.3 117.3

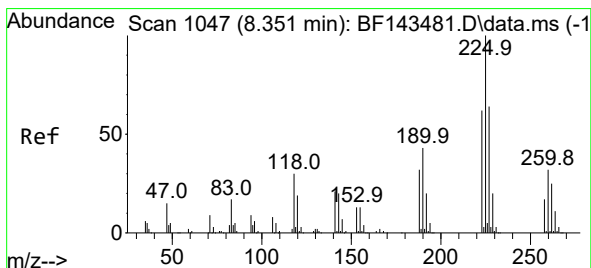
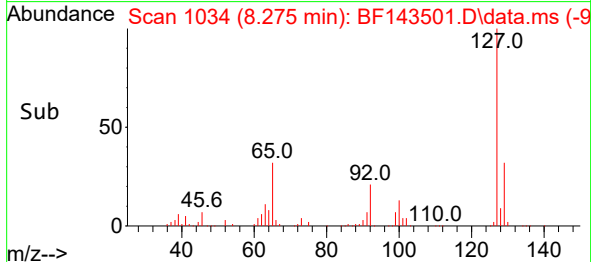
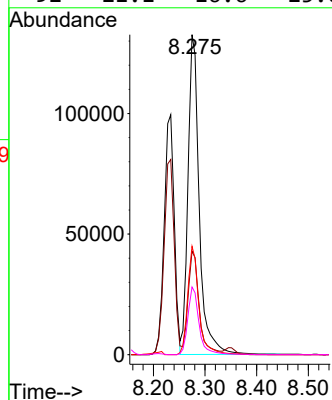
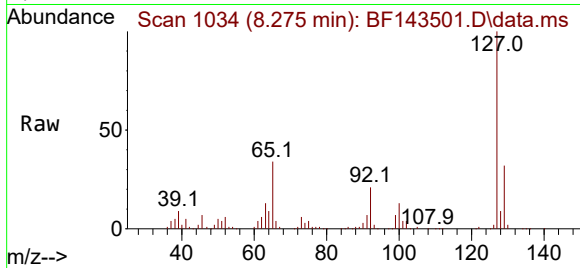




#33
4-Chloroaniline
Concen: 25.318 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

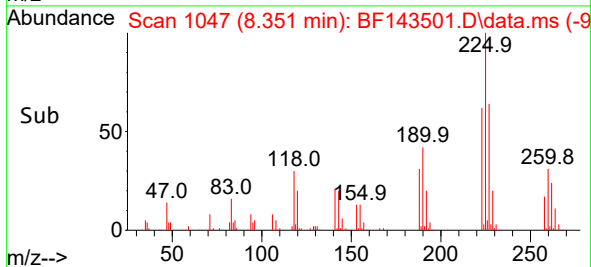
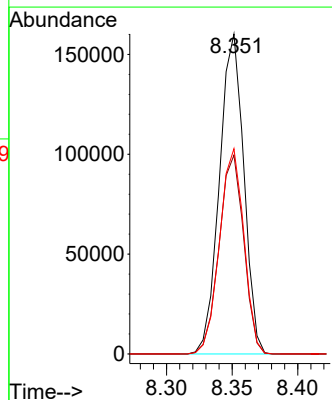
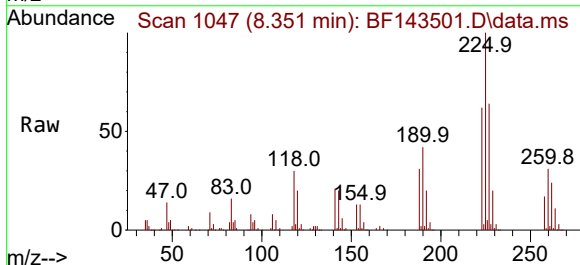
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

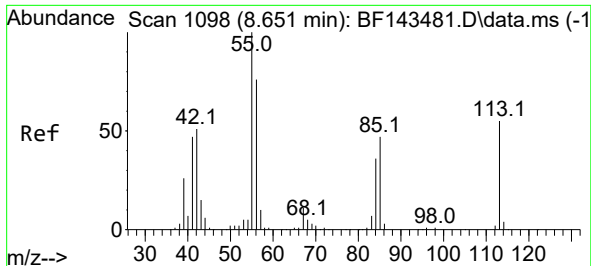
Tgt Ion:	127	Resp:	200975
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	33.8	26.2	39.2
92	21.1	16.6	25.0



#34
Hexachlorobutadiene
Concen: 46.053 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:	225	Resp:	206996
Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.9	74.9
227	64.2	50.9	76.3

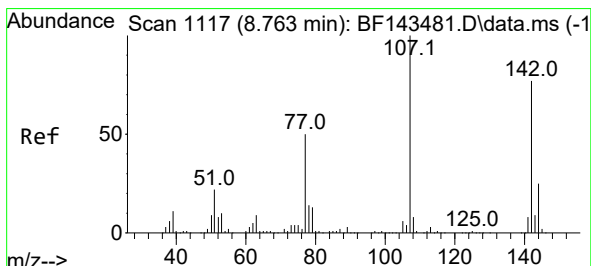
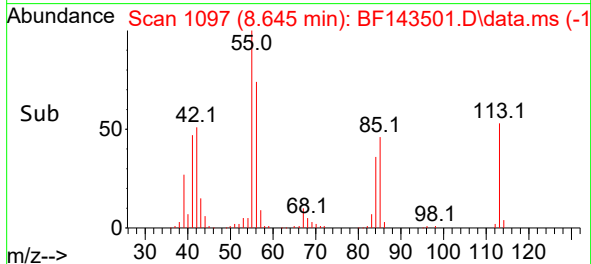
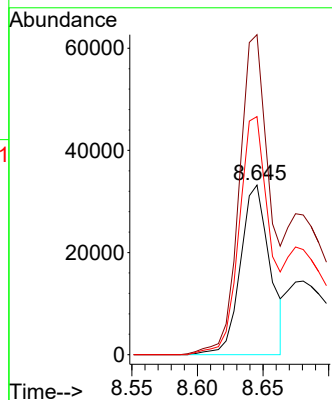
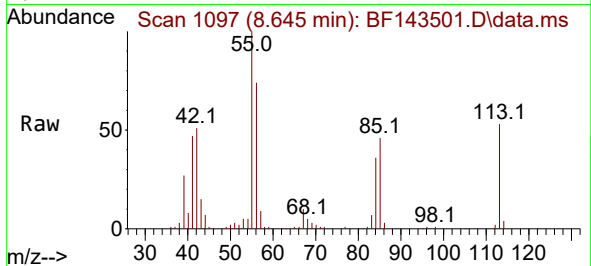




#35
 Caprolactam
 Concen: 32.288 ng
 RT: 8.645 min Scan# 1097
 Delta R.T. -0.029 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

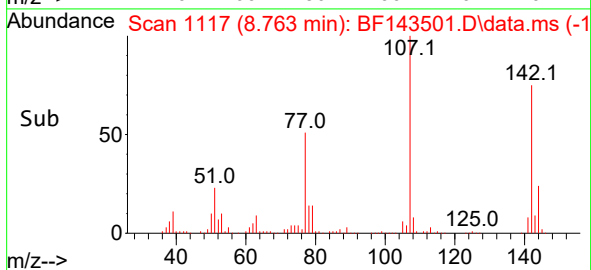
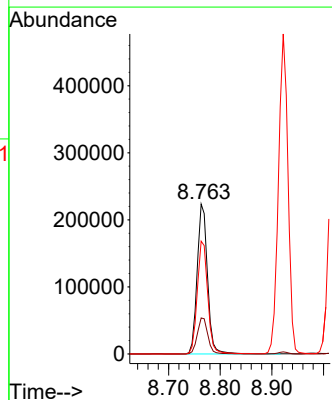
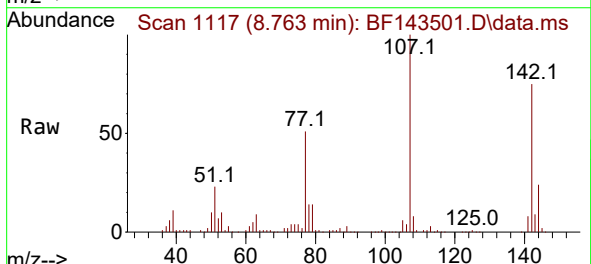
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD

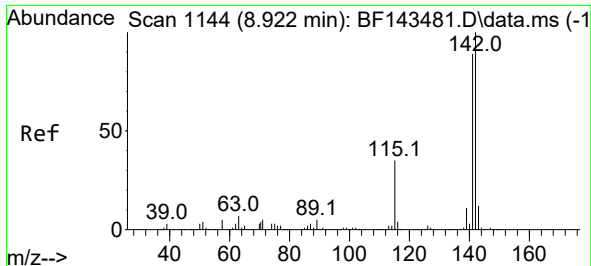
Tgt Ion:113 Resp: 51916
 Ion Ratio Lower Upper
 113 100
 55 188.7 162.8 202.8
 56 140.4 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 46.382 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

Tgt Ion:107 Resp: 311458
 Ion Ratio Lower Upper
 107 100
 144 24.1 19.9 29.9
 142 75.2 61.8 92.8

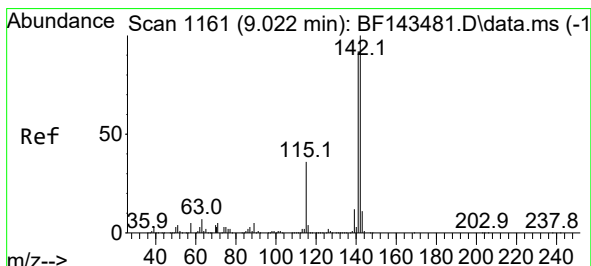
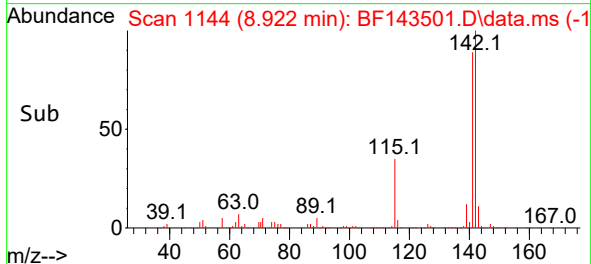
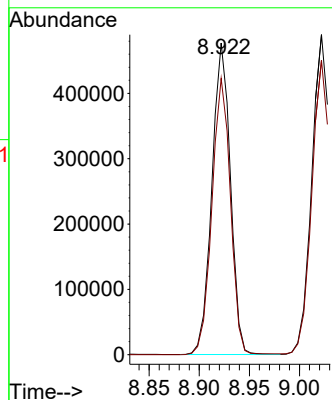
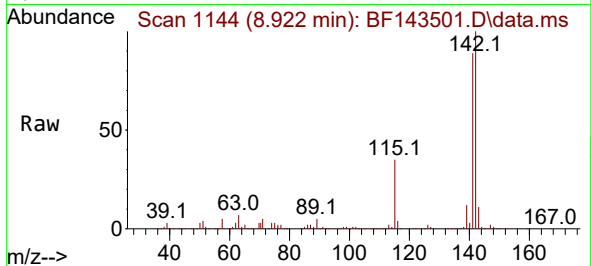




#37
2-Methylnaphthalene
Concen: 40.976 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

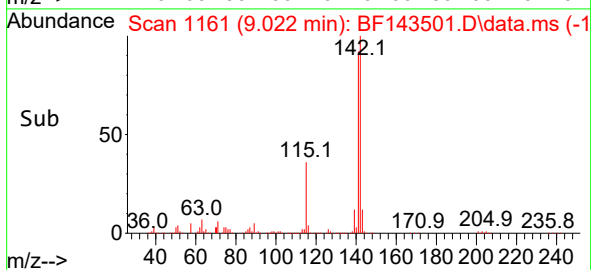
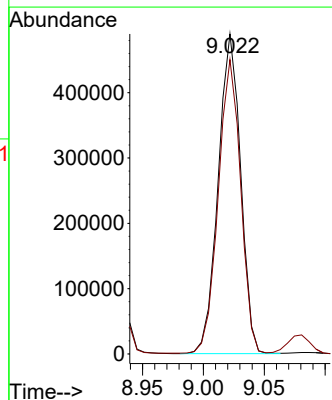
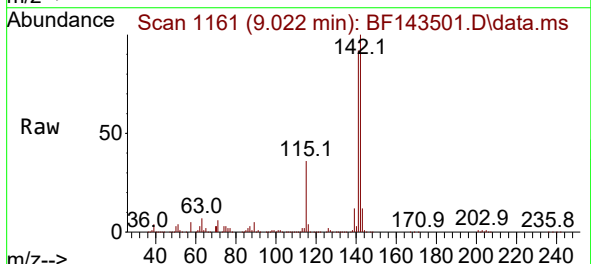
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

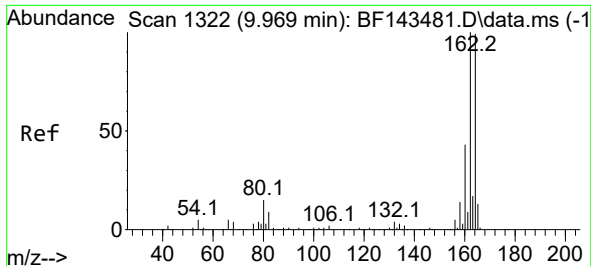
Tgt Ion:142 Resp: 612085
Ion Ratio Lower Upper
142 100
141 88.7 71.0 106.4



#38
1-Methylnaphthalene
Concen: 43.916 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

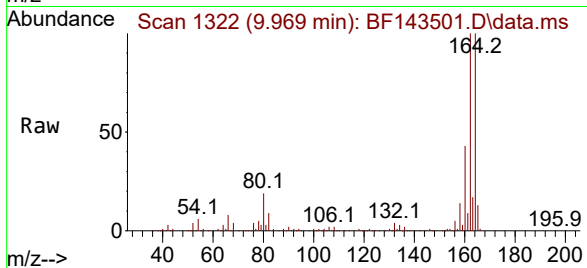
Tgt Ion:142 Resp: 627504
Ion Ratio Lower Upper
142 100
141 92.0 73.3 109.9



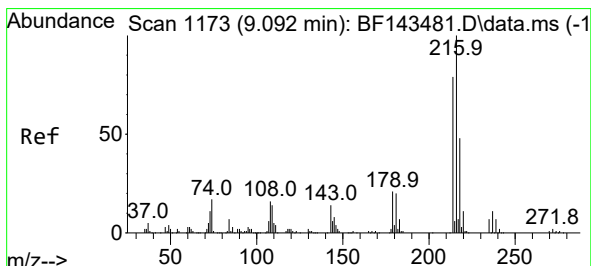
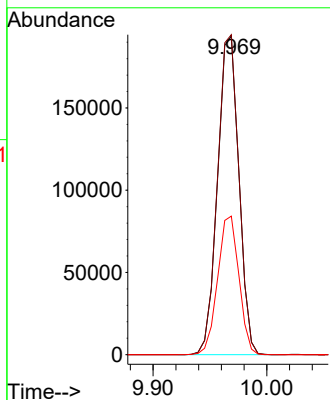
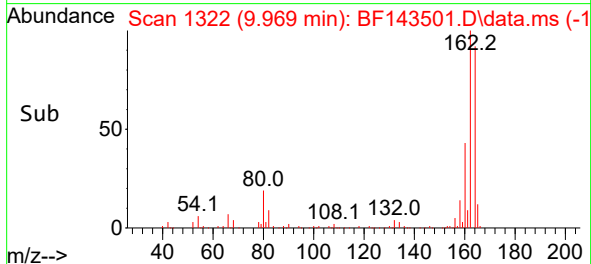


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

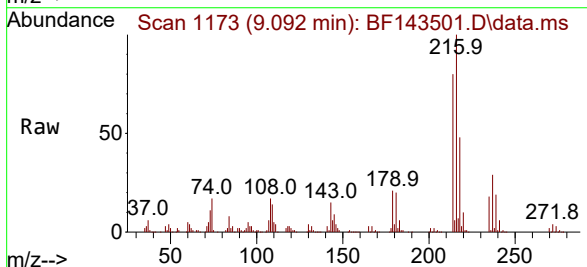
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



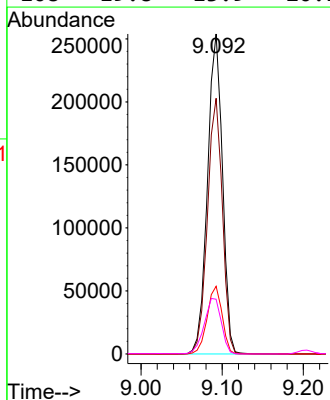
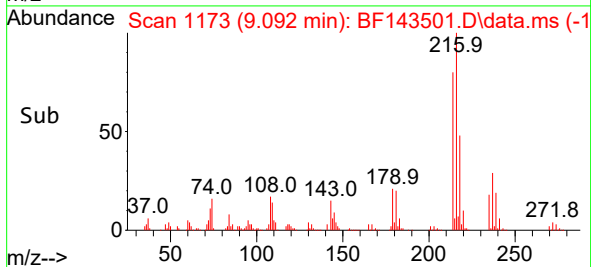
Tgt Ion:164 Resp: 252664
Ion Ratio Lower Upper
164 100
162 100.4 80.5 120.7
160 43.5 34.3 51.5

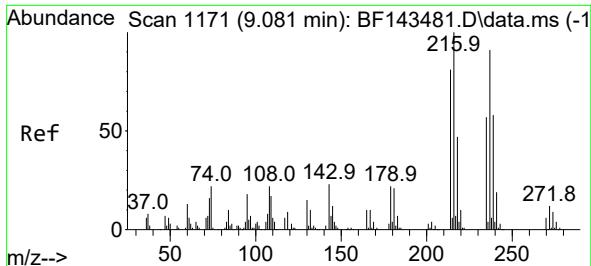


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.892 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:216 Resp: 324443
Ion Ratio Lower Upper
216 100
214 79.7 63.4 95.0
179 21.2 16.5 24.7
108 19.8 13.9 20.9

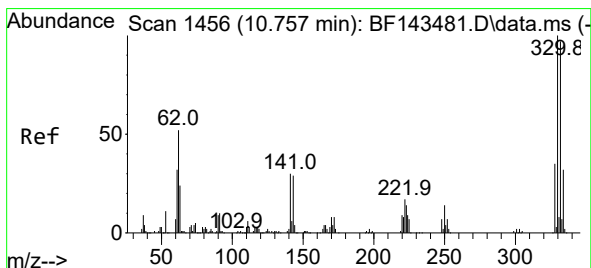
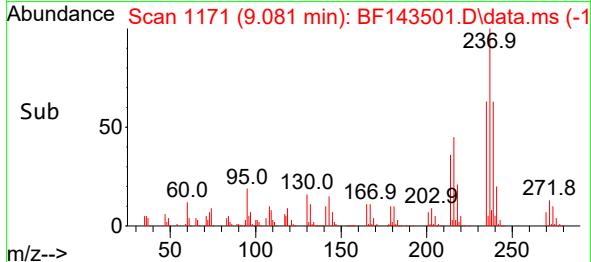
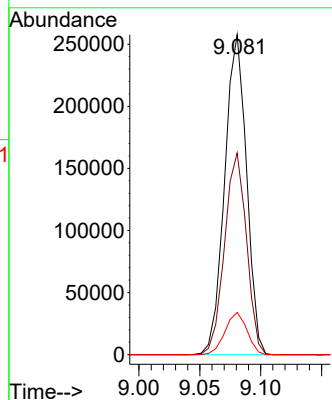
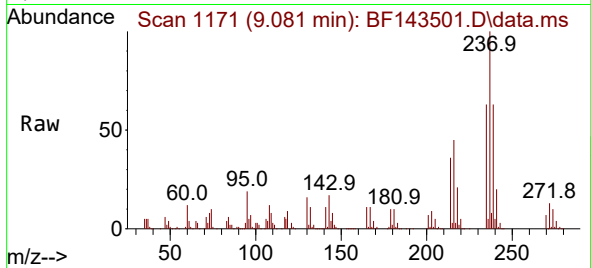




#41
Hexachlorocyclopentadiene
Concen: 111.931 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

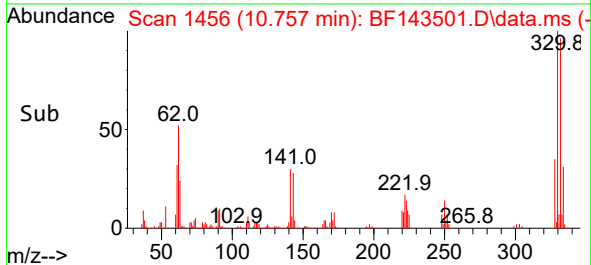
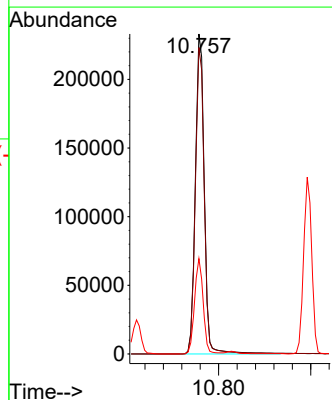
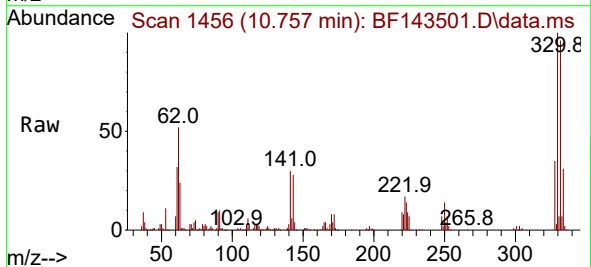
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

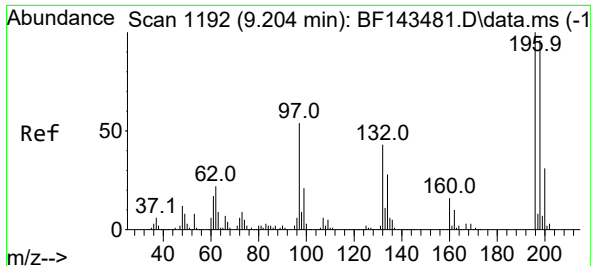
Tgt Ion: 237 Resp: 322174
Ion Ratio Lower Upper
237 100
235 63.0 42.6 82.6
272 13.2 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 133.087 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

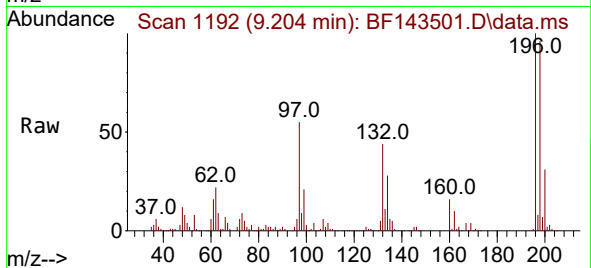
Tgt Ion: 330 Resp: 313012
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 28.8 23.7 35.5



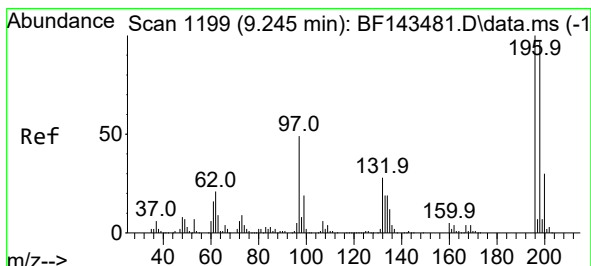
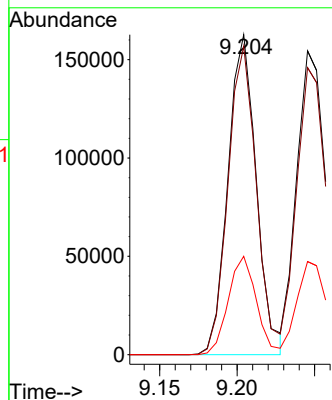
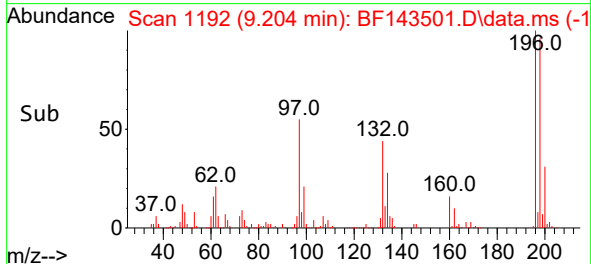


#43
2,4,6-Trichlorophenol
Concen: 46.517 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

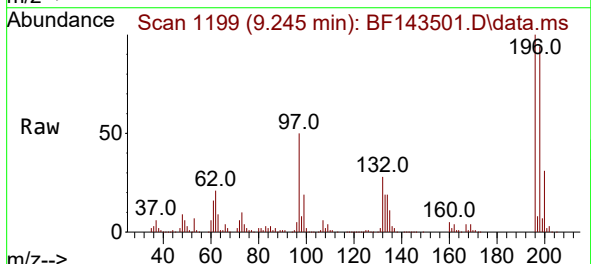
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



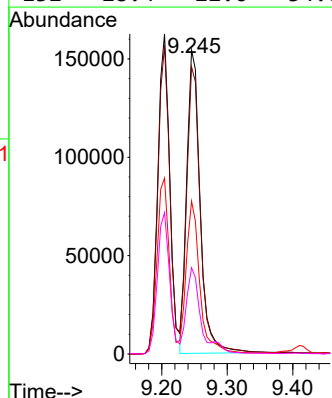
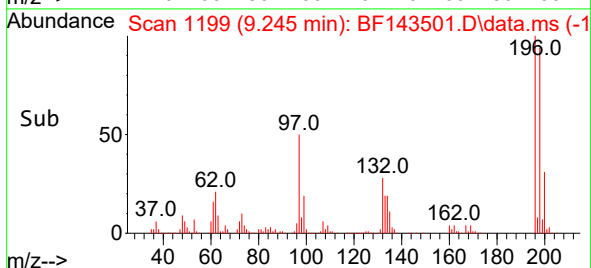
Tgt Ion:196 Resp: 206865
Ion Ratio Lower Upper
196 100
198 96.4 77.0 115.4
200 30.8 24.6 37.0

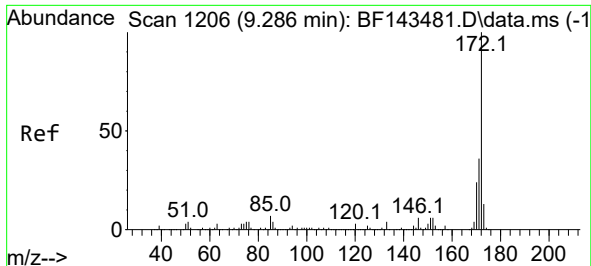


#44
2,4,5-Trichlorophenol
Concen: 45.292 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:196 Resp: 220012
Ion Ratio Lower Upper
196 100
198 94.4 77.3 115.9
97 50.3 40.0 60.0
132 28.4 22.6 34.0

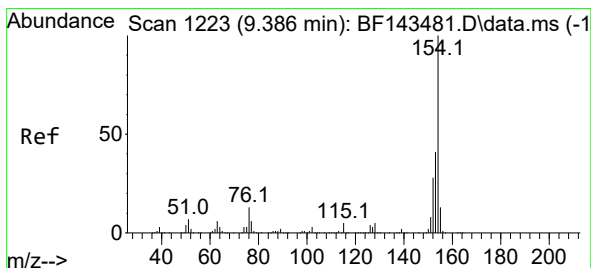
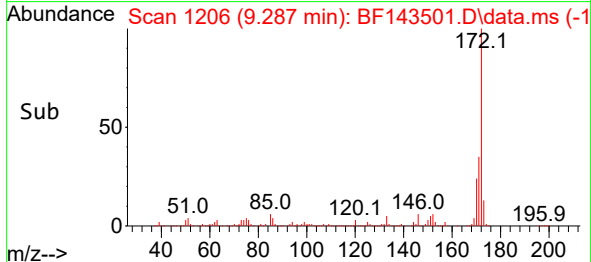
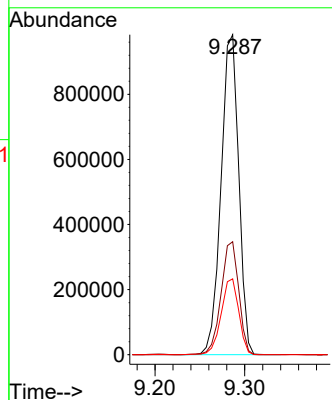
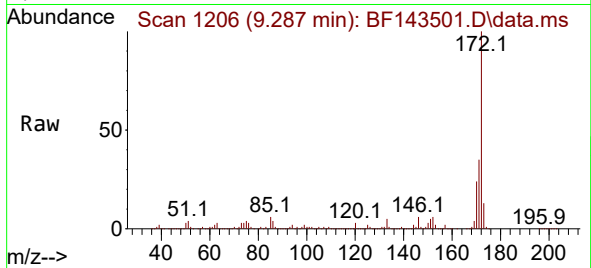




#45
2-Fluorobiphenyl
Concen: 87.878 ng
RT: 9.287 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

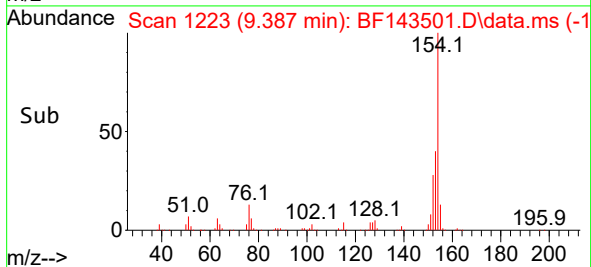
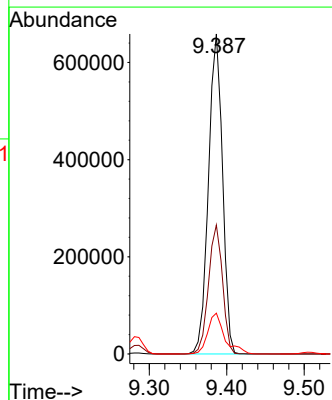
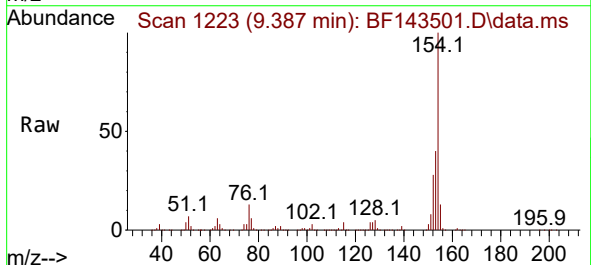
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

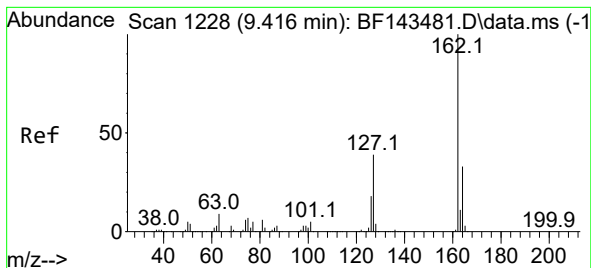
Tgt Ion:172 Resp: 1343491
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.7 18.8 28.2



#46
1,1'-Biphenyl
Concen: 46.171 ng
RT: 9.387 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:154 Resp: 828011
Ion Ratio Lower Upper
154 100
153 40.3 20.6 60.6
76 12.8 0.0 33.0



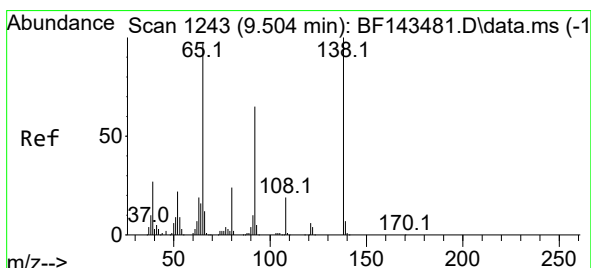
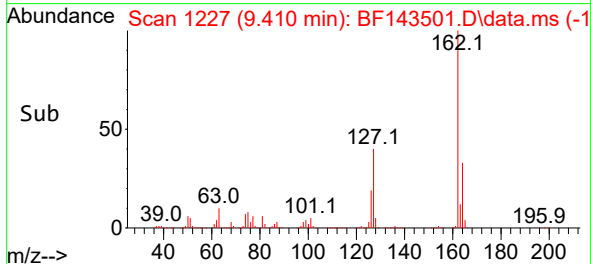
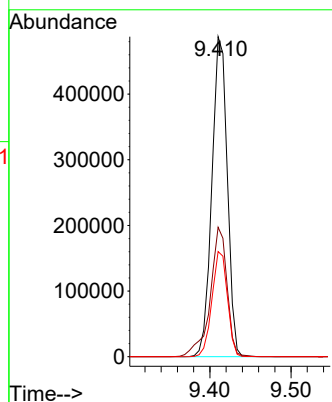
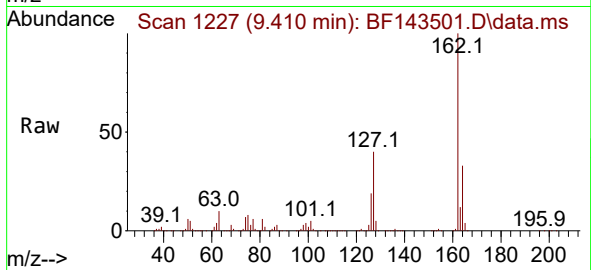


#47
 2-Chloronaphthalene
 Concen: 45.590 ng
 RT: 9.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD

Tgt Ion: 162 Resp: 641503

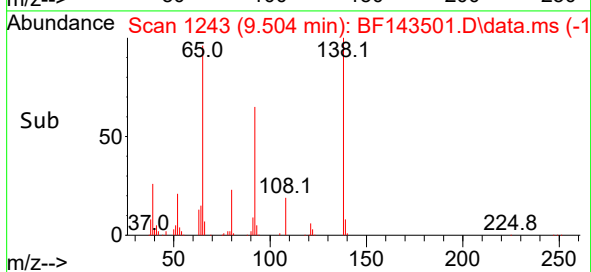
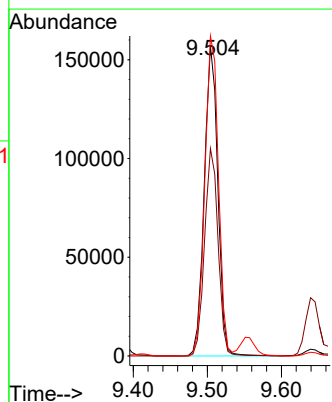
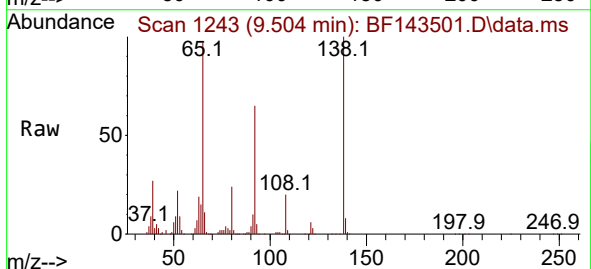
Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.8	47.6
164	32.9	26.4	39.6

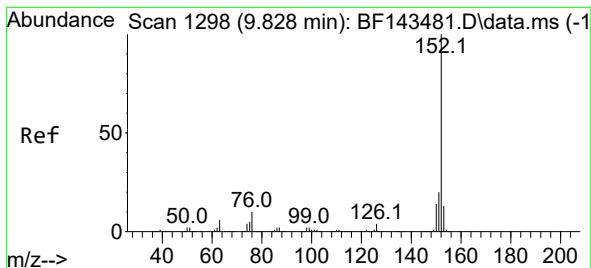


#48
 2-Nitroaniline
 Concen: 48.672 ng
 RT: 9.504 min Scan# 1243
 Delta R.T. -0.006 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

Tgt Ion: 65 Resp: 200435

Ion	Ratio	Lower	Upper
65	100		
92	66.9	53.8	80.6
138	103.2	82.4	123.6





#49

Acenaphthylene

Concen: 50.955 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

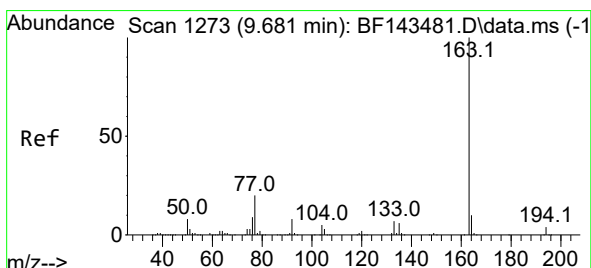
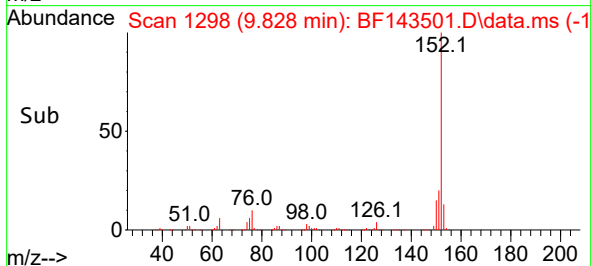
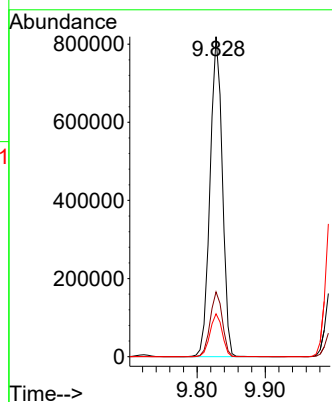
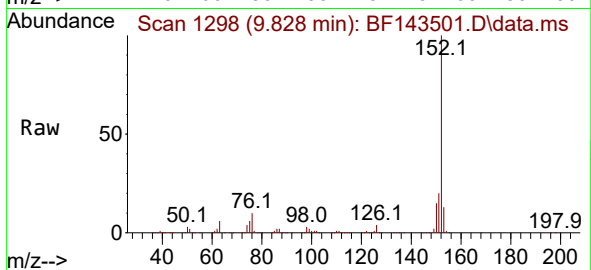
Tgt Ion:152 Resp: 1026638

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 13.4 10.6 15.8



#50

Dimethylphthalate

Concen: 48.431 ng

RT: 9.687 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

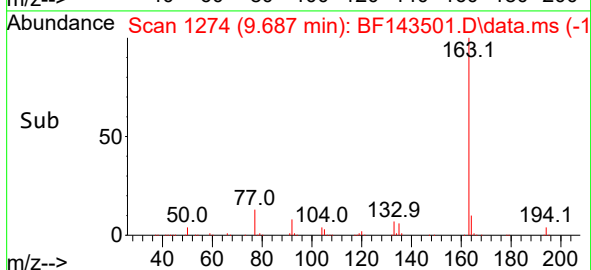
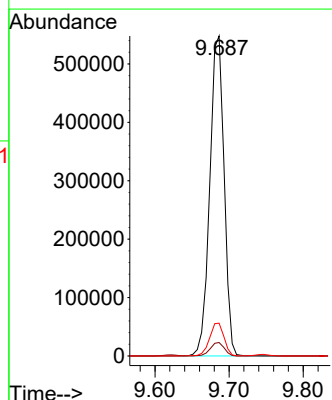
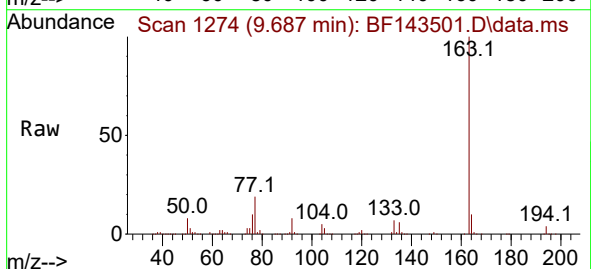
Tgt Ion:163 Resp: 736986

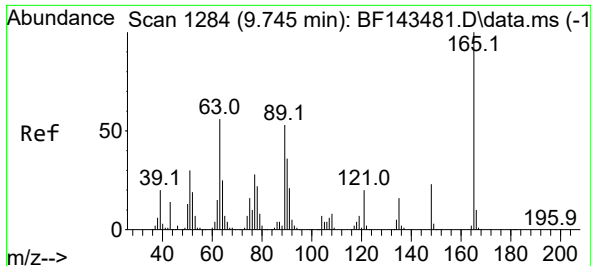
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.2 8.2 12.2

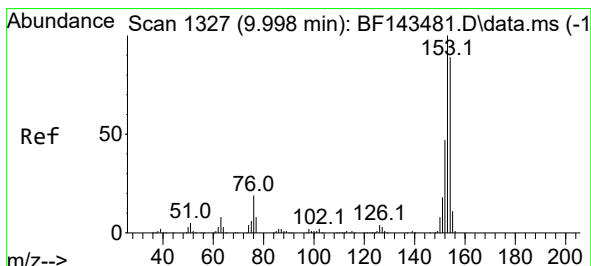
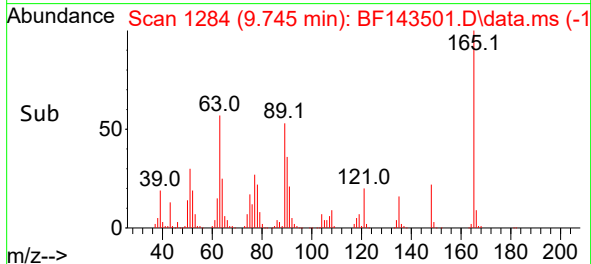
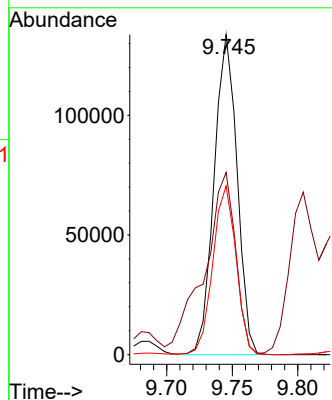
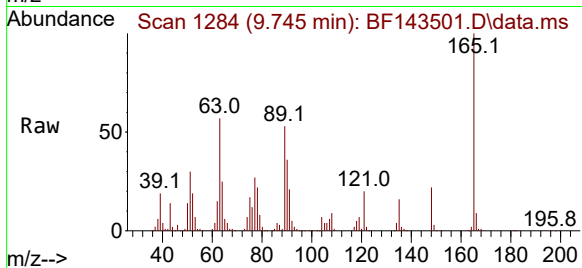




#51
2,6-Dinitrotoluene
Concen: 51.601 ng
RT: 9.745 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

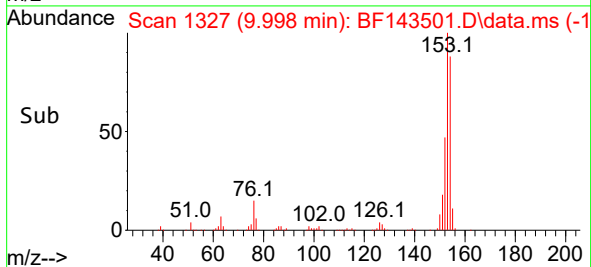
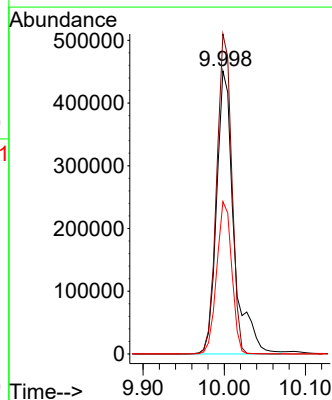
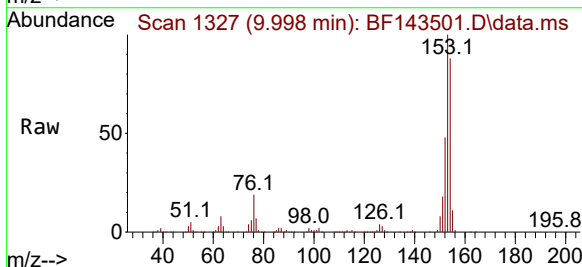
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

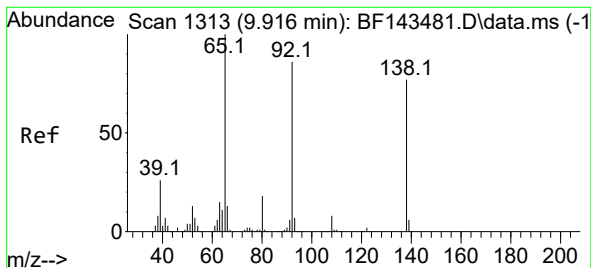
Tgt Ion:165 Resp: 162742
Ion Ratio Lower Upper
165 100
63 57.0 45.0 67.6
89 52.7 42.5 63.7



#52
Acenaphthene
Concen: 49.001 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:154 Resp: 670314
Ion Ratio Lower Upper
154 100
153 113.1 89.5 134.3
152 53.8 42.5 63.7





#53

3-Nitroaniline

Concen: 33.463 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

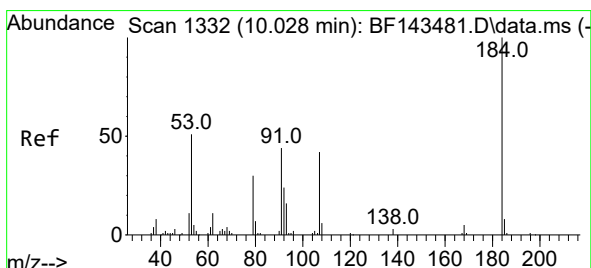
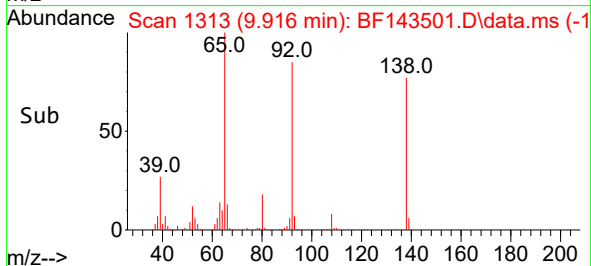
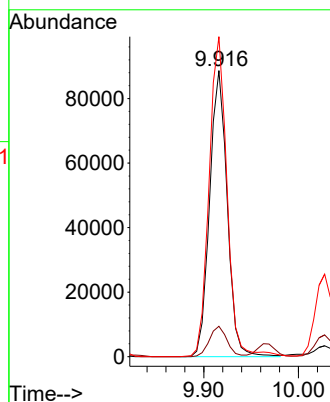
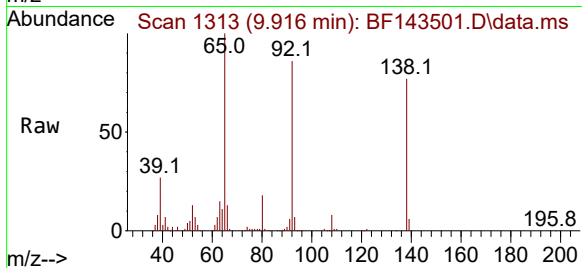
Tgt Ion:138 Resp: 114039

Ion Ratio Lower Upper

138 100

108 10.6 8.6 13.0

92 111.9 89.8 134.8



#54

2,4-Dinitrophenol

Concen: 83.316 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

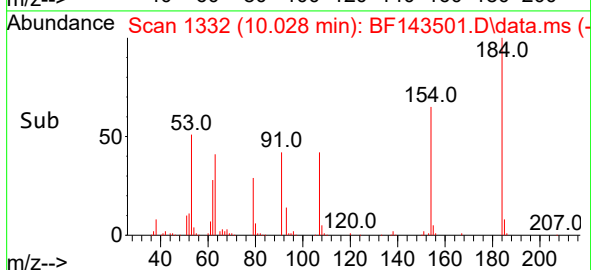
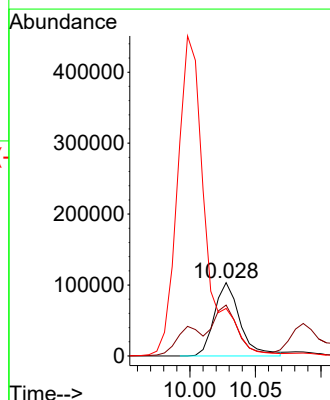
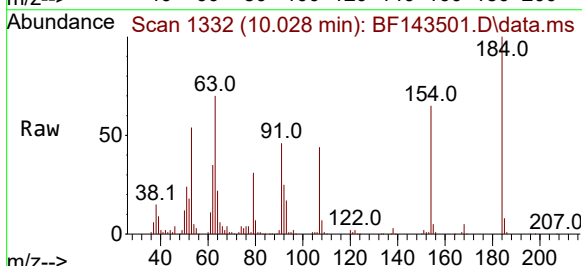
Tgt Ion:184 Resp: 140919

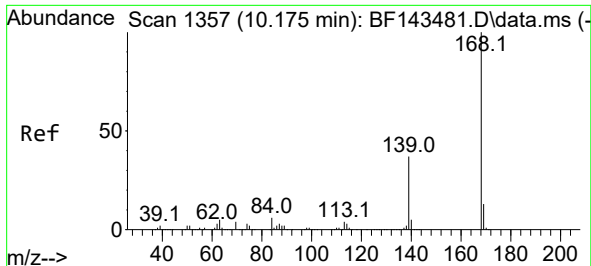
Ion Ratio Lower Upper

184 100

63 69.5 52.6 78.8

154 64.9 51.0 76.4

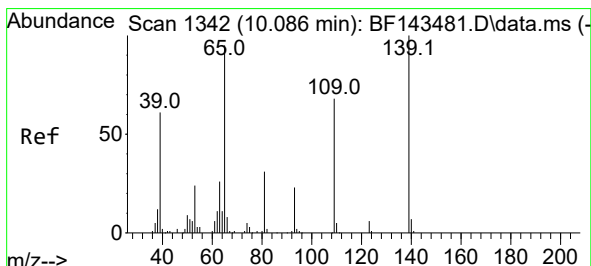
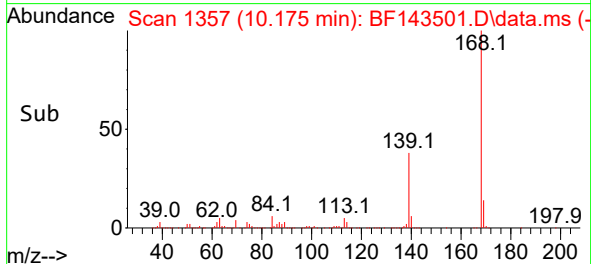
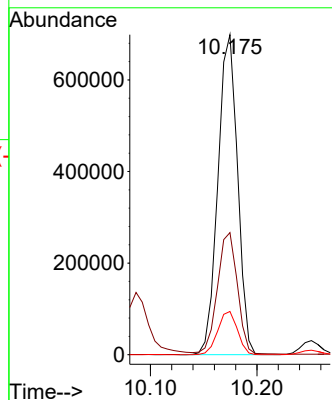
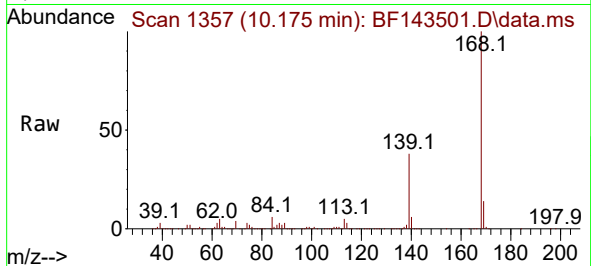




#55
Dibenzofuran
Concen: 45.798 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

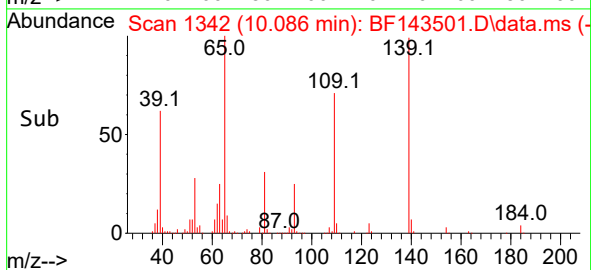
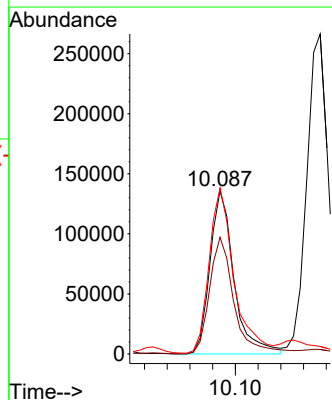
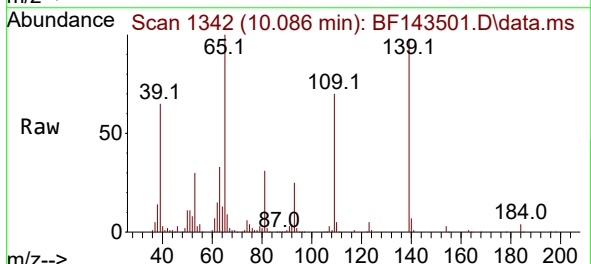
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

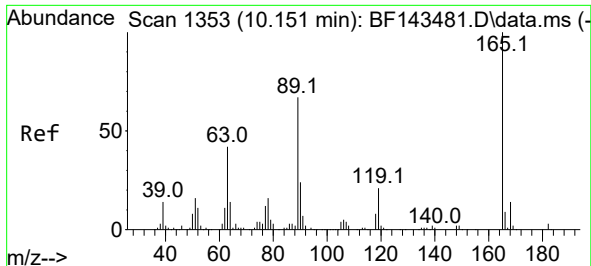
Tgt Ion:168 Resp: 893197
Ion Ratio Lower Upper
168 100
139 38.1 29.8 44.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 98.523 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:139 Resp: 199779
Ion Ratio Lower Upper
139 100
109 71.5 48.2 88.2
65 101.8 75.8 115.8





#57

2,4-Dinitrotoluene

Concen: 51.256 ng

RT: 10.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

Tgt Ion:165 Resp: 215851

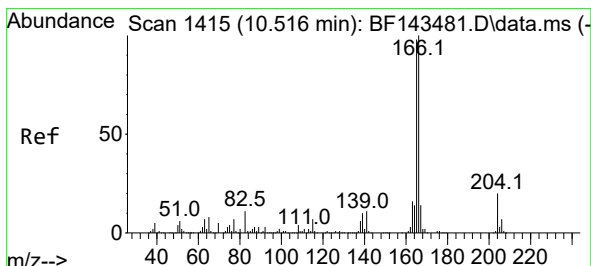
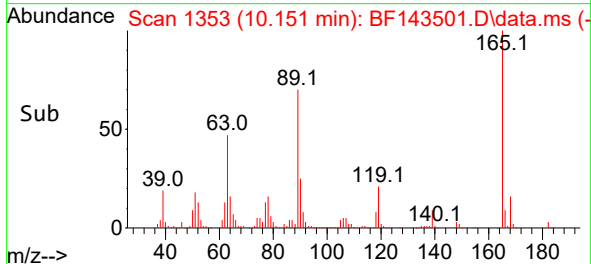
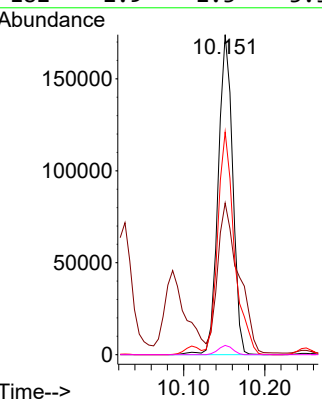
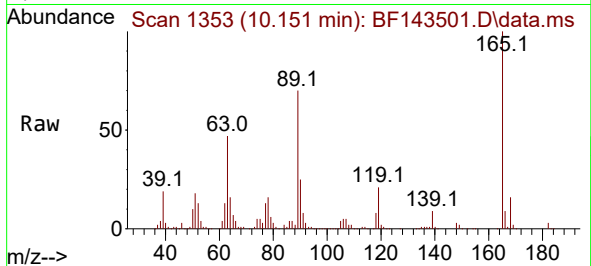
Ion Ratio Lower Upper

165 100

63 47.4 34.9 52.3

89 69.6 53.3 79.9

182 2.9 2.3 3.5



#58

Fluorene

Concen: 45.759 ng

RT: 10.516 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

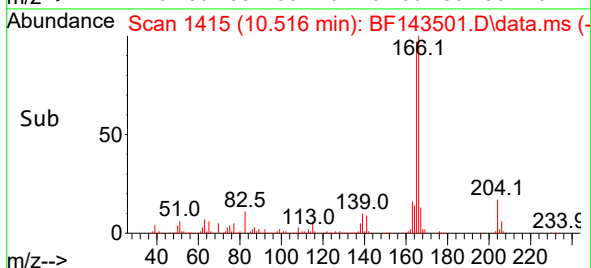
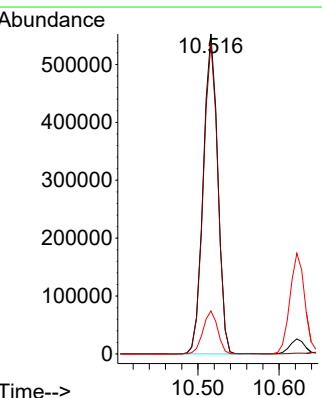
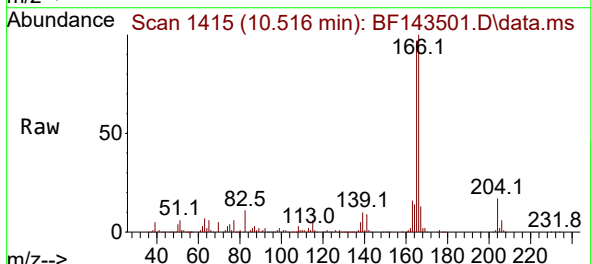
Tgt Ion:166 Resp: 686867

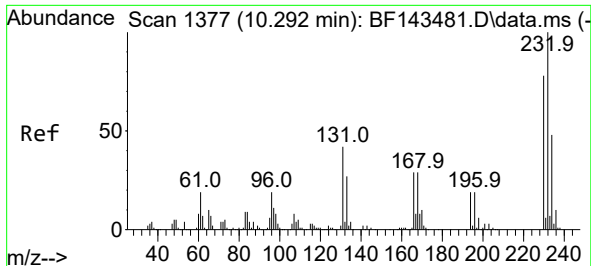
Ion Ratio Lower Upper

166 100

165 97.3 78.3 117.5

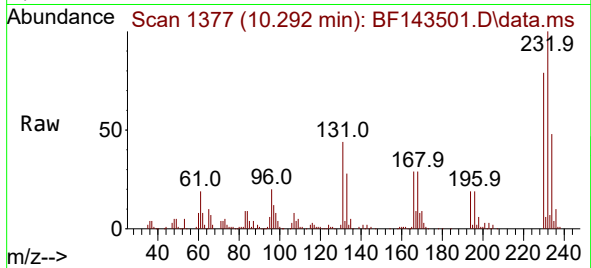
167 13.4 11.0 16.4



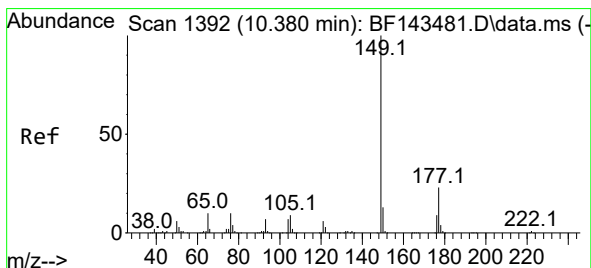
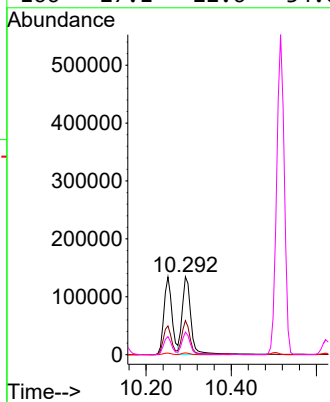
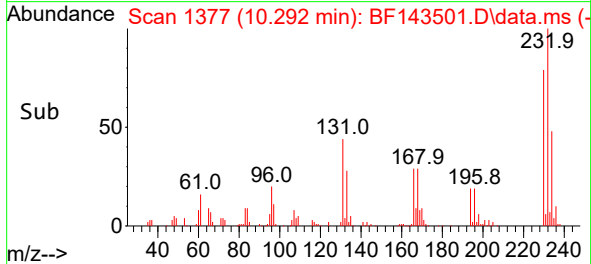


#59
2,3,4,6-Tetrachlorophenol
Concen: 53.070 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

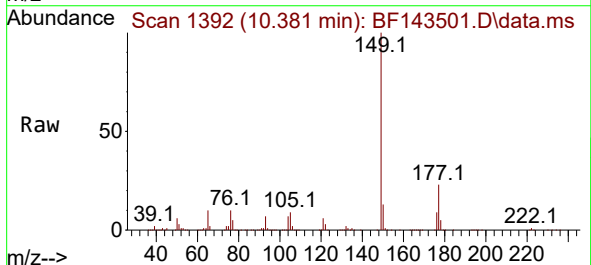
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



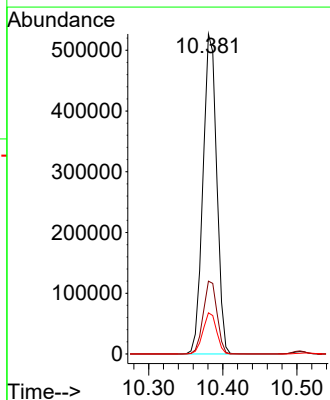
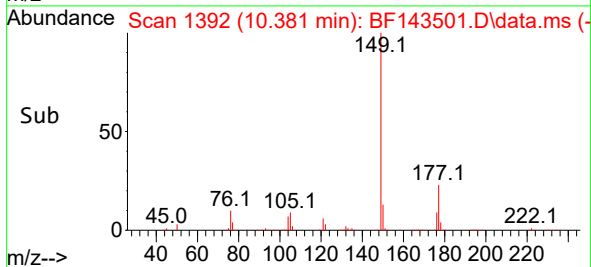
Tgt Ion:232 Resp: 191525
Ion Ratio Lower Upper
232 100
131 41.9 32.7 49.1
130 2.2 1.6 2.4
166 27.1 22.6 34.0

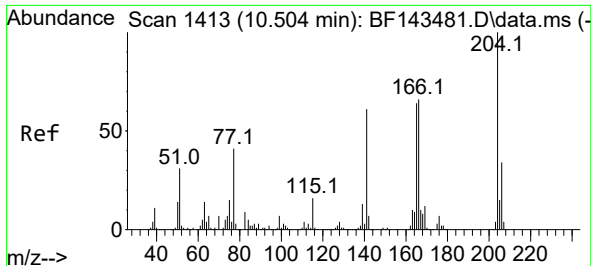


#60
Diethylphthalate
Concen: 49.780 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:149 Resp: 679159
Ion Ratio Lower Upper
149 100
177 22.7 18.3 27.5
150 12.9 10.3 15.5

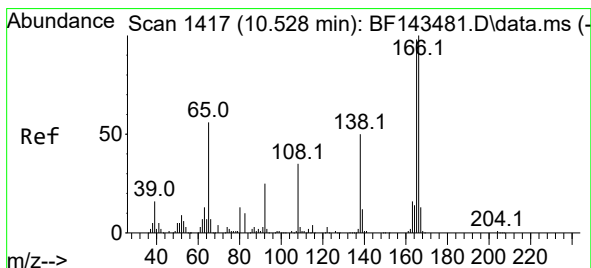
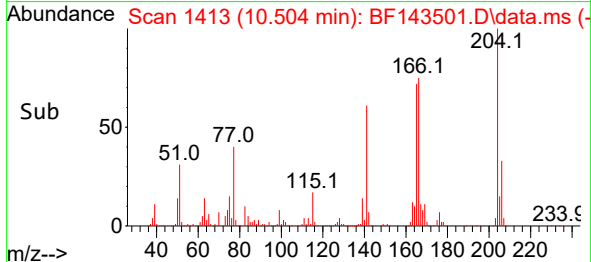
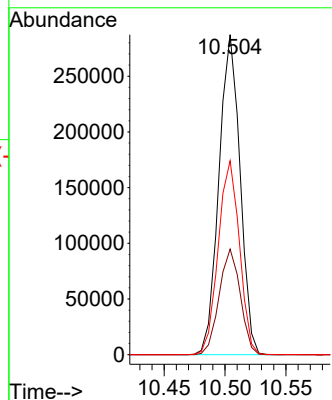
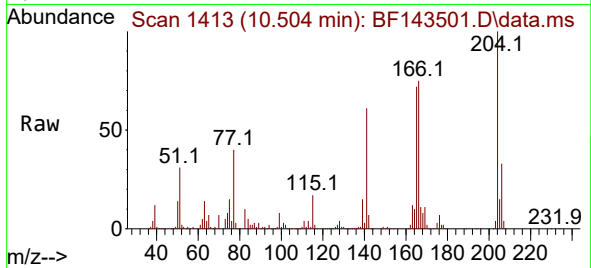




#61
4-Chlorophenyl-phenylether
Concen: 46.191 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

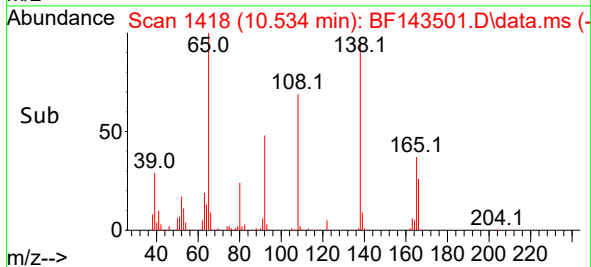
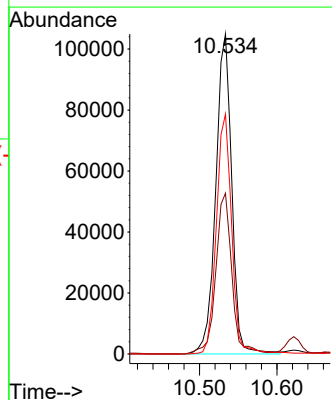
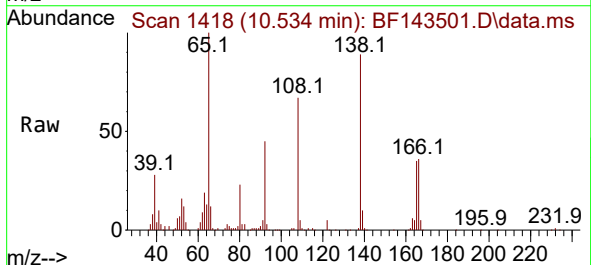
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

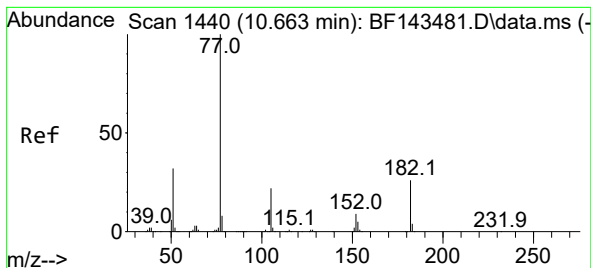
Tgt Ion:204 Resp: 346760
Ion Ratio Lower Upper
204 100
206 33.0 27.0 40.4
141 60.6 48.7 73.1



#62
4-Nitroaniline
Concen: 48.096 ng
RT: 10.534 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:138 Resp: 150552
Ion Ratio Lower Upper
138 100
92 50.3 29.3 69.3
108 75.0 50.7 90.7





#63

Azobenzene

Concen: 48.659 ng

RT: 10.663 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

Tgt Ion: 77 Resp: 688349

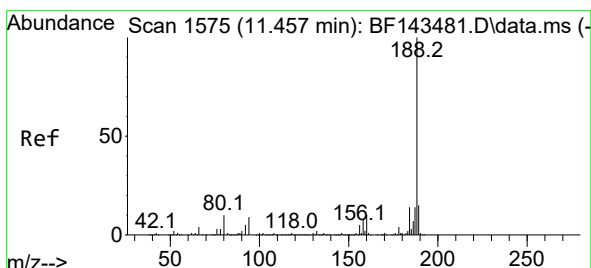
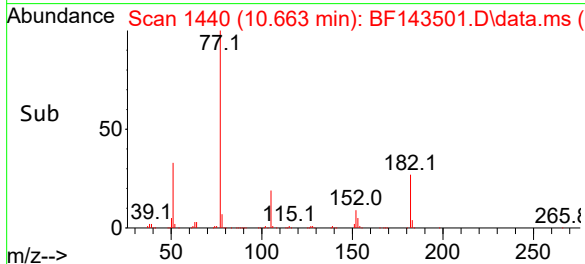
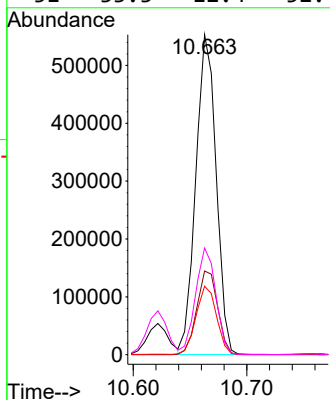
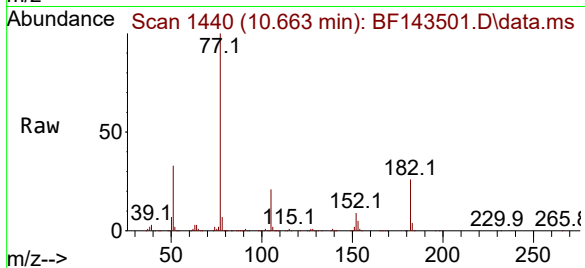
Ion Ratio Lower Upper

77 100

182 26.2 6.2 46.2

105 21.4 2.2 42.2

51 33.3 12.4 52.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

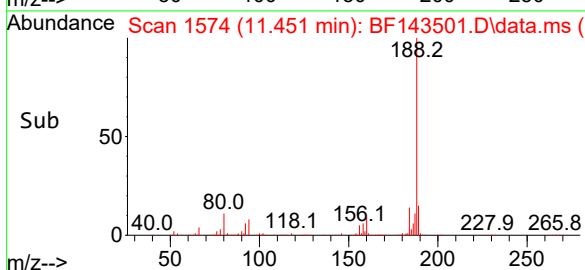
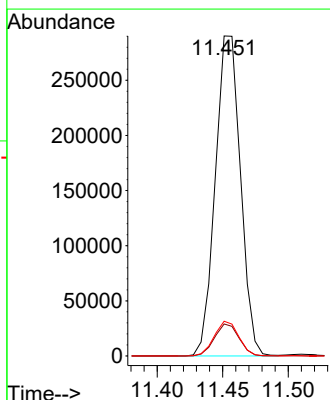
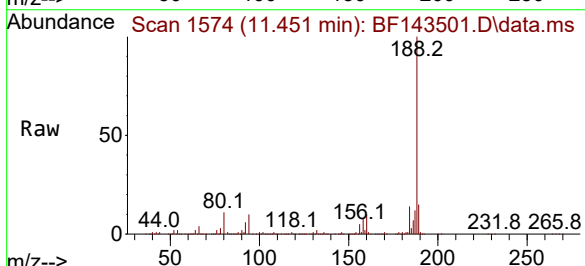
Tgt Ion: 188 Resp: 388075

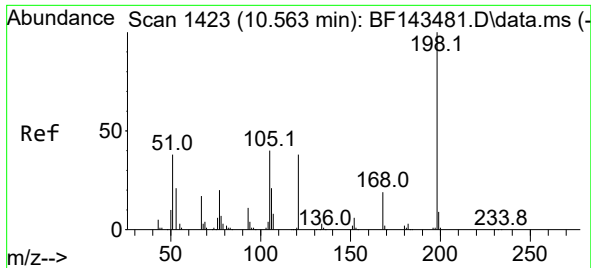
Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

80 10.9 8.2 12.4

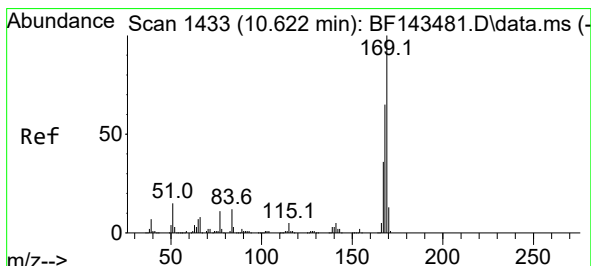
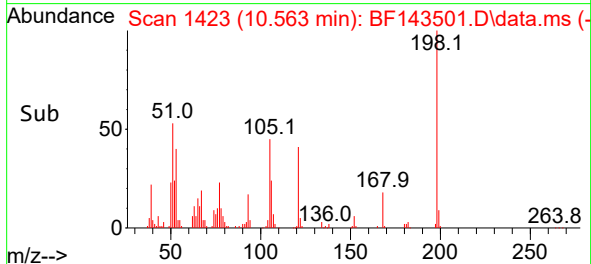
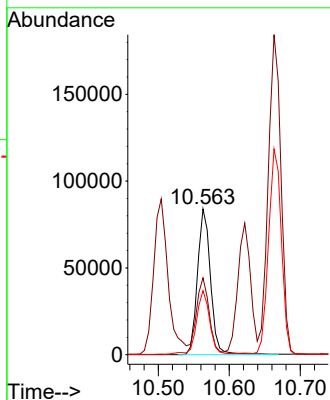
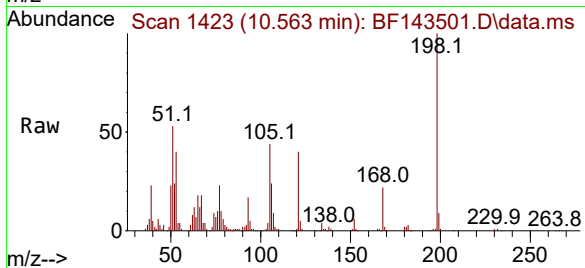




#65
4,6-Dinitro-2-methylphenol
Concen: 49.298 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

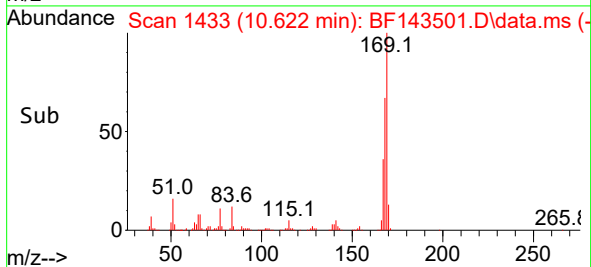
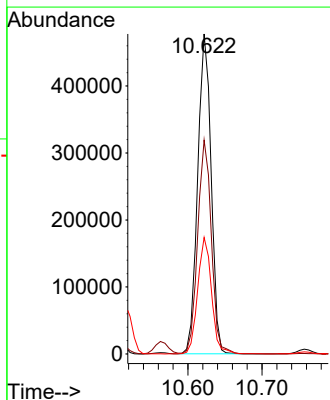
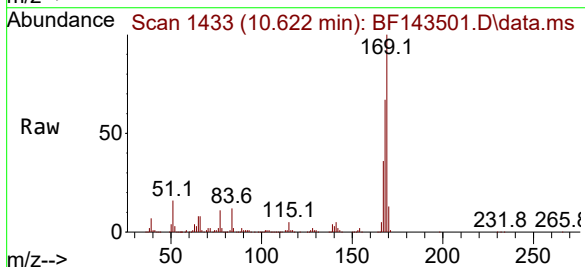
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

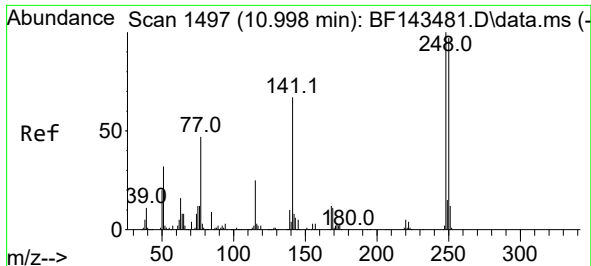
Tgt Ion:198 Resp: 107871
Ion Ratio Lower Upper
198 100
51 52.7 29.6 69.6
105 44.0 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 48.050 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:169 Resp: 600099
Ion Ratio Lower Upper
169 100
168 66.8 52.4 78.6
167 36.4 28.9 43.3

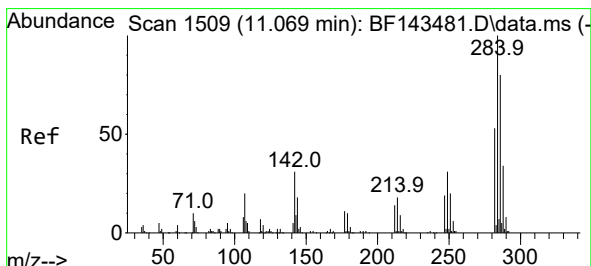
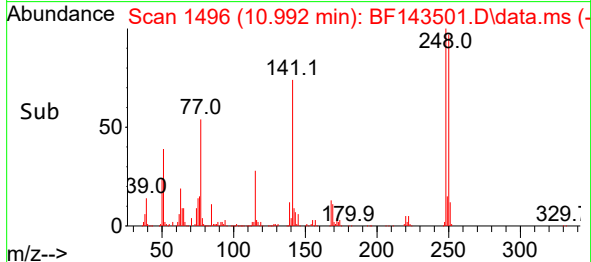
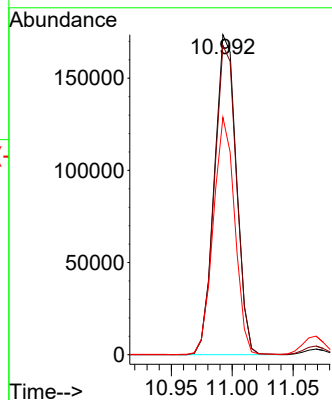
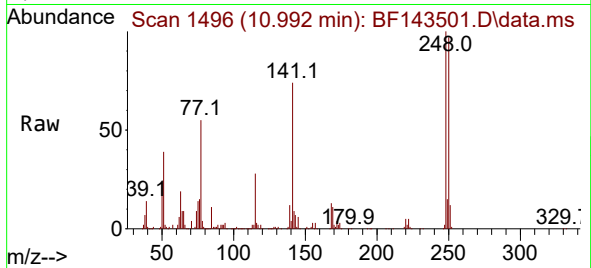




#67
4-Bromophenyl-phenylether
Concen: 47.139 ng
RT: 10.992 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

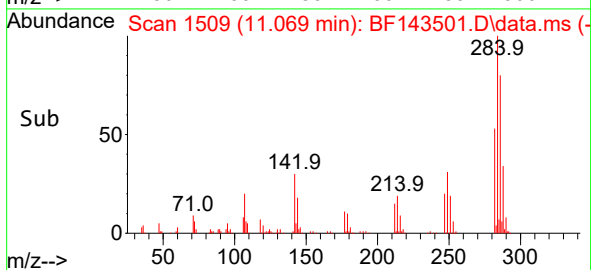
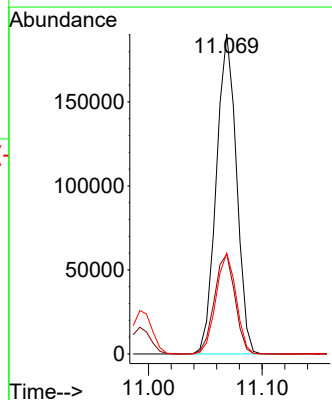
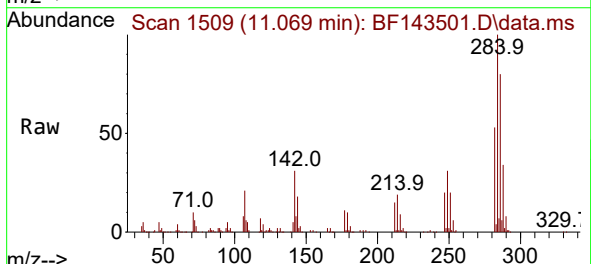
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

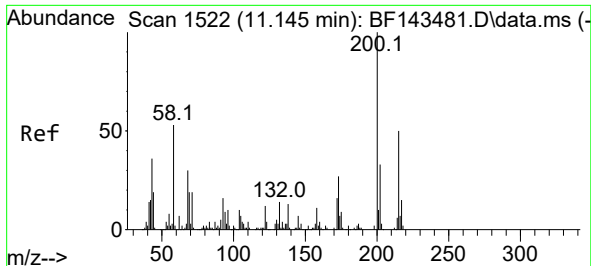
Tgt Ion:248 Resp: 218272
Ion Ratio Lower Upper
248 100
250 96.6 77.8 116.8
141 74.2 54.0 81.0



#68
Hexachlorobenzene
Concen: 47.032 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:284 Resp: 234745
Ion Ratio Lower Upper
284 100
142 31.1 24.4 36.6
249 31.5 25.0 37.6

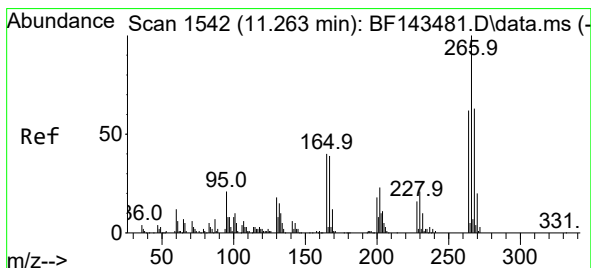
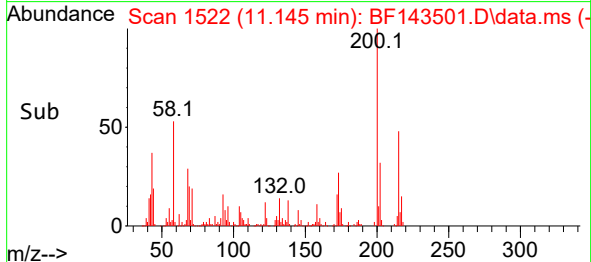
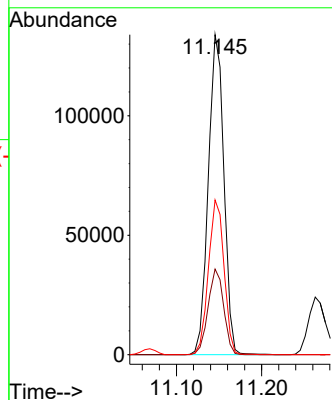
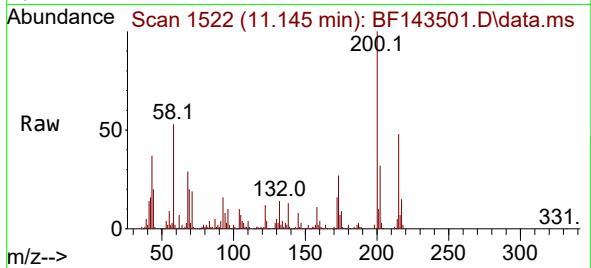




#69
Atrazine
Concen: 52.748 ng
RT: 11.145 min Scan# 1522
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

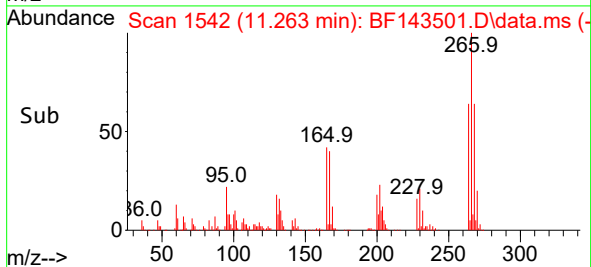
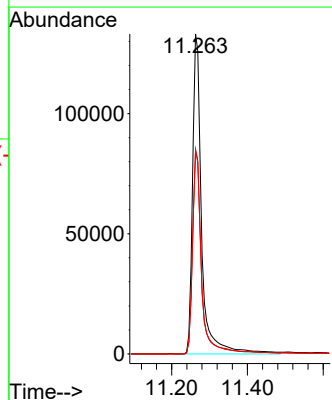
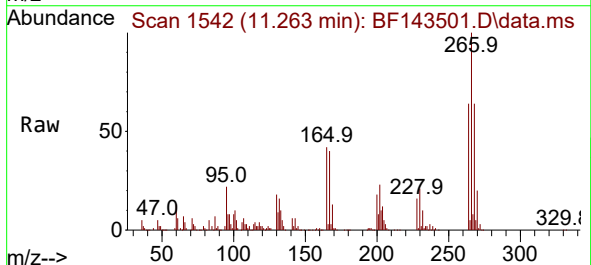
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

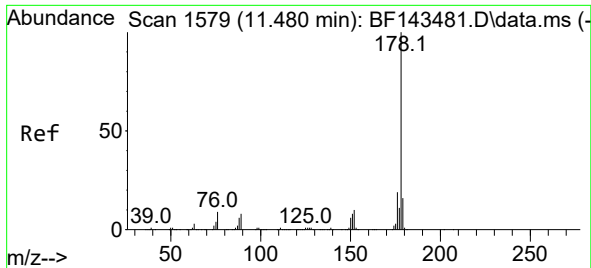
Tgt Ion:200 Resp: 170052
Ion Ratio Lower Upper
200 100
173 26.8 6.9 46.9
215 48.4 30.0 70.0



#70
Pentachlorophenol
Concen: 98.027 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:266 Resp: 224077
Ion Ratio Lower Upper
266 100
268 63.9 50.5 75.7
264 63.6 49.8 74.8

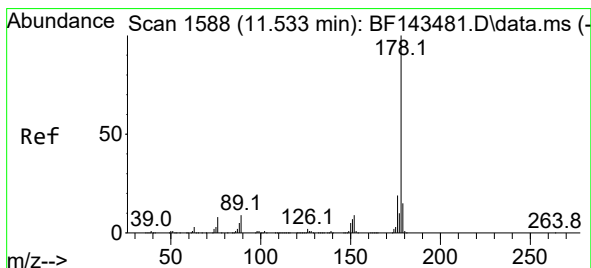
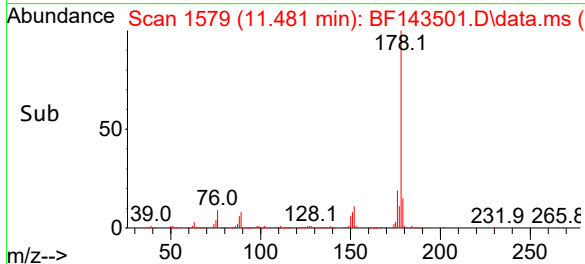
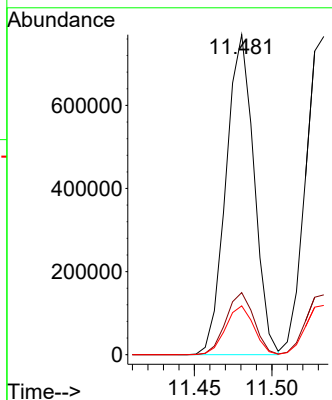
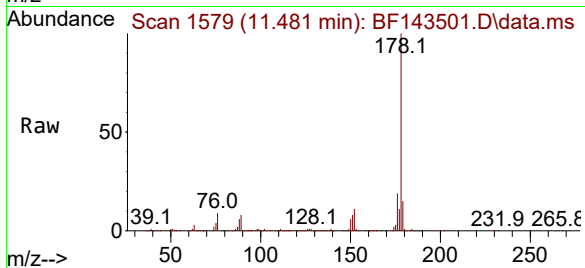




#71
Phenanthrene
Concen: 46.526 ng
RT: 11.481 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

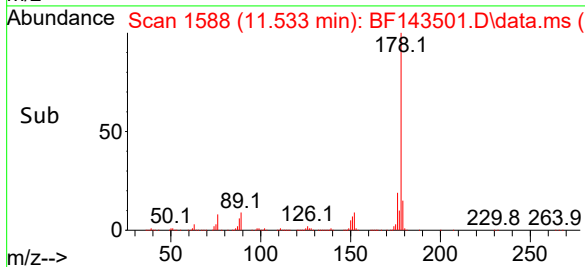
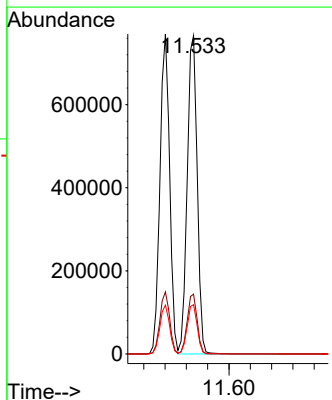
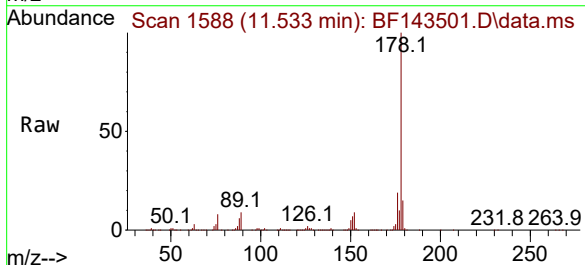
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

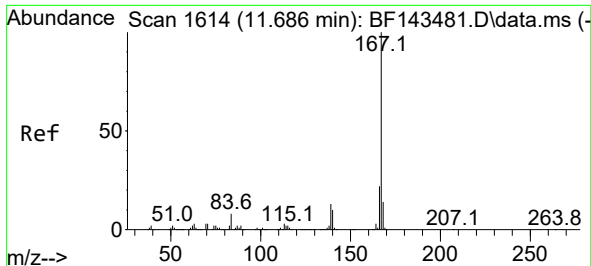
Tgt Ion:178 Resp: 966905
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.5 18.7



#72
Anthracene
Concen: 47.262 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

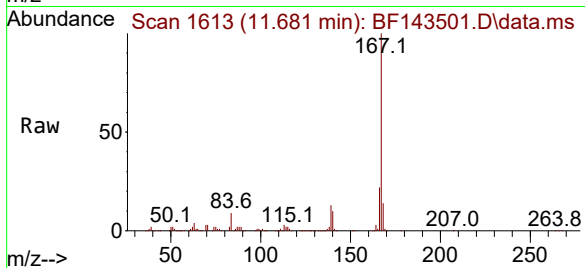
Tgt Ion:178 Resp: 995006
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.5 12.3 18.5



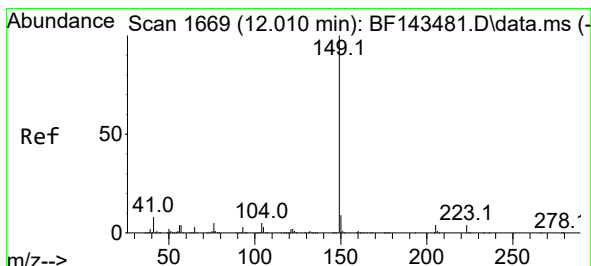
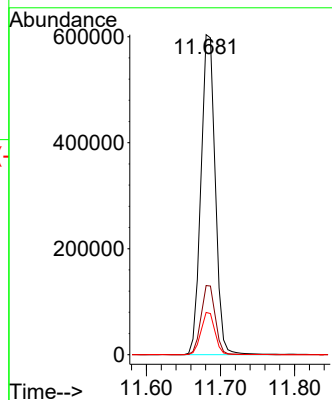
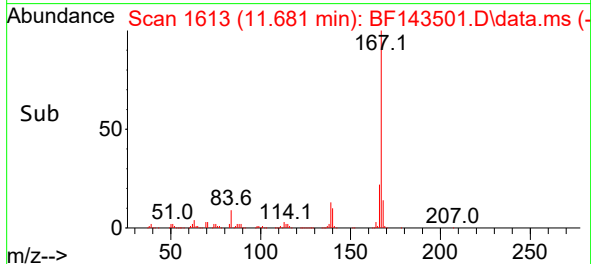


#73
Carbazole
Concen: 46.956 ng
RT: 11.681 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

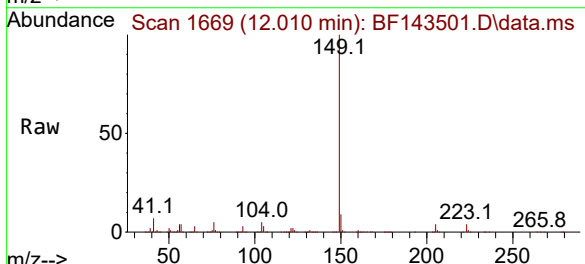
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



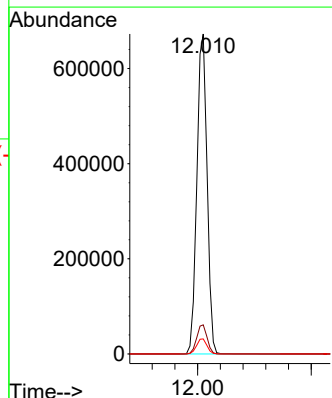
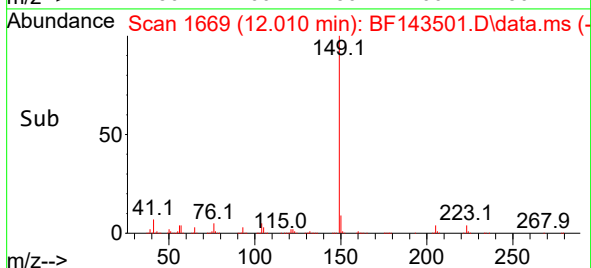
Tgt Ion:167 Resp: 810034
Ion Ratio Lower Upper
167 100
166 21.6 17.3 25.9
139 13.2 10.0 15.0

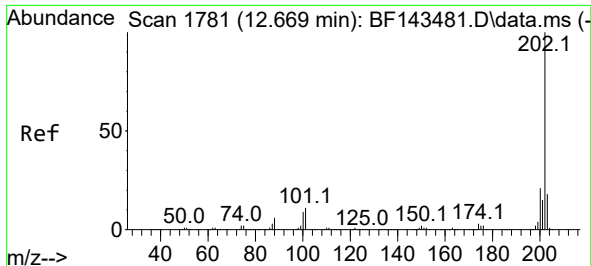


#74
Di-n-butylphthalate
Concen: 52.386 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



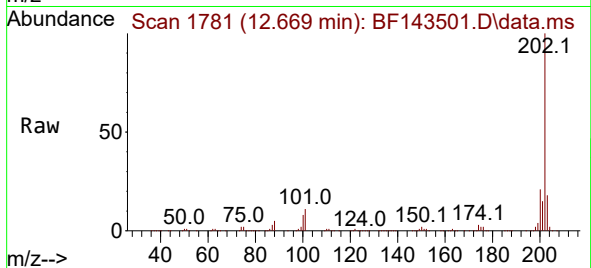
Tgt Ion:149 Resp: 843046
Ion Ratio Lower Upper
149 100
150 9.1 7.2 10.8
104 4.7 3.6 5.4



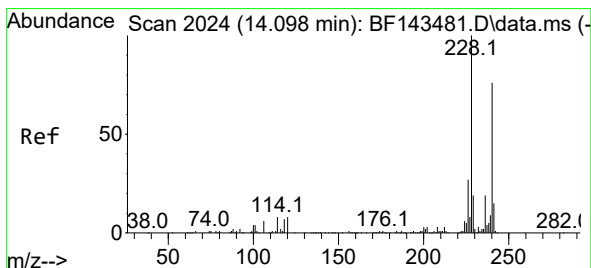
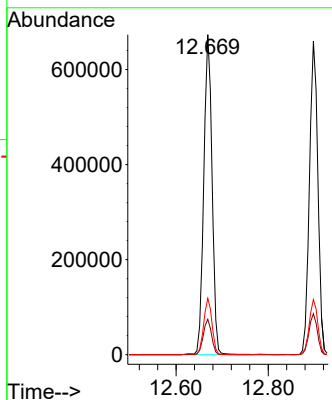


#75
Fluoranthene
Concen: 45.633 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

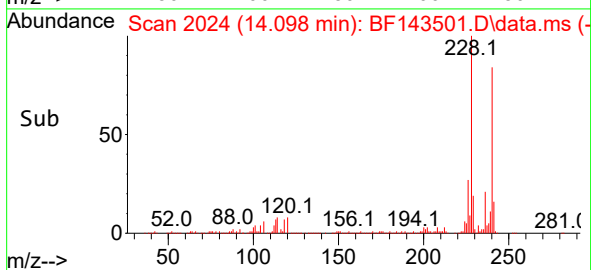
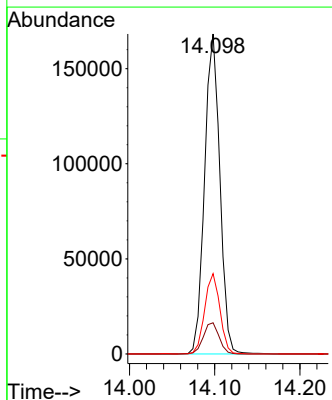
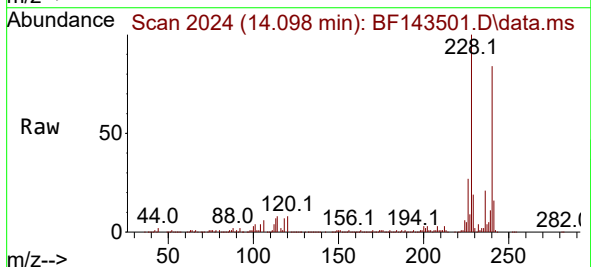


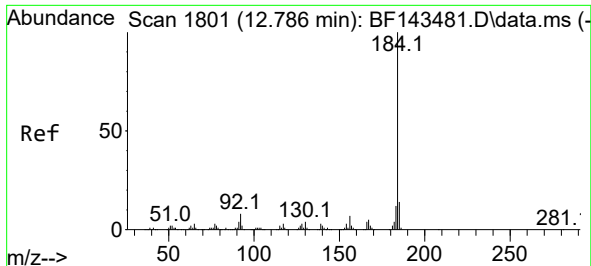
Tgt Ion:202 Resp: 850946
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:240 Resp: 209415
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.1 20.4 30.6

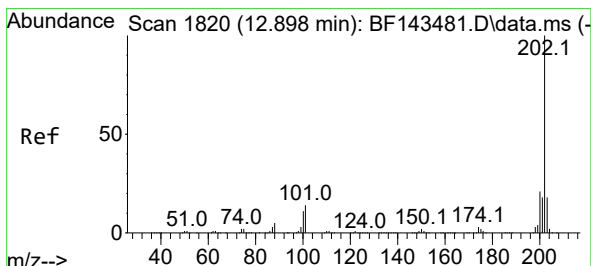
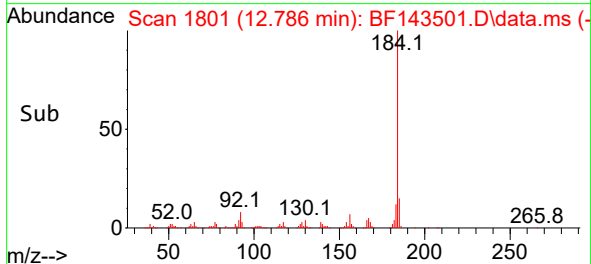
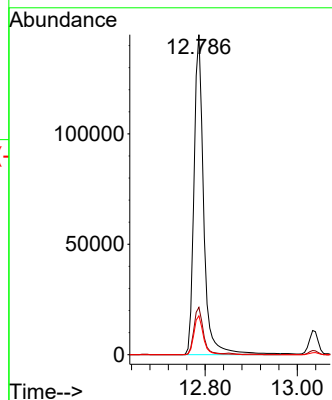
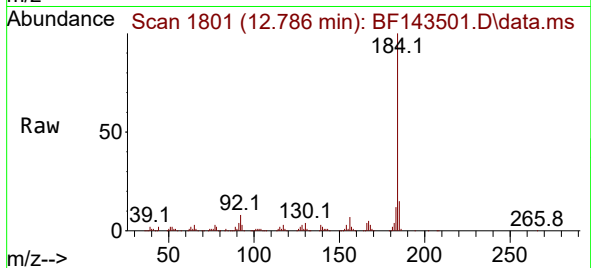




#77
Benzidine
Concen: 41.464 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

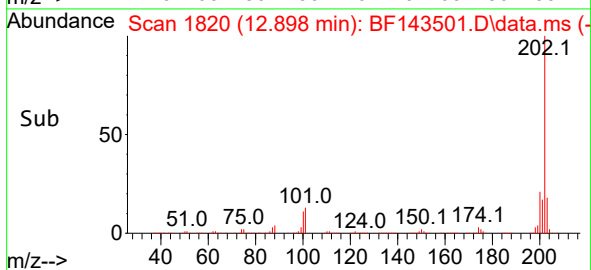
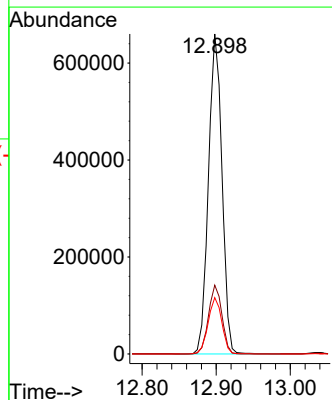
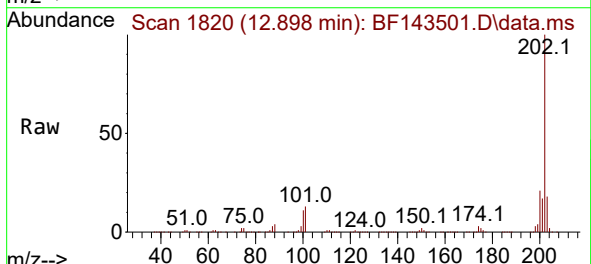
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

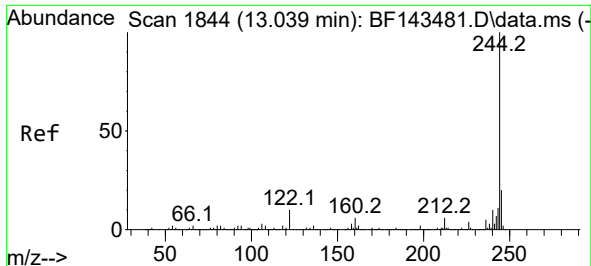
Tgt Ion:184 Resp: 211509
Ion Ratio Lower Upper
184 100
185 14.8 11.3 16.9
183 12.2 9.5 14.3



#78
Pyrene
Concen: 48.580 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:202 Resp: 836842
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.6 14.3 21.5

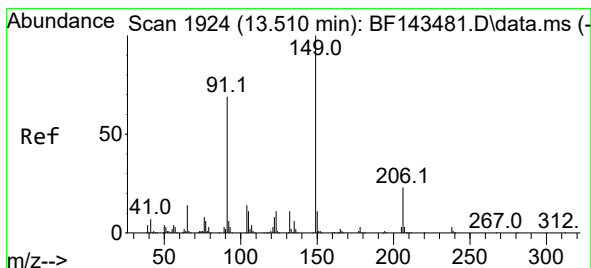
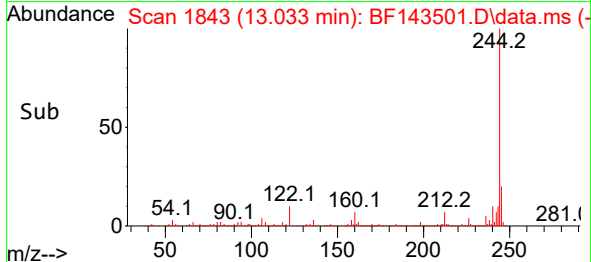
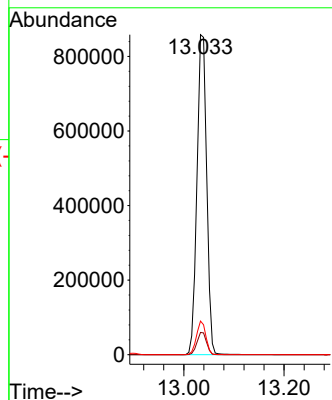
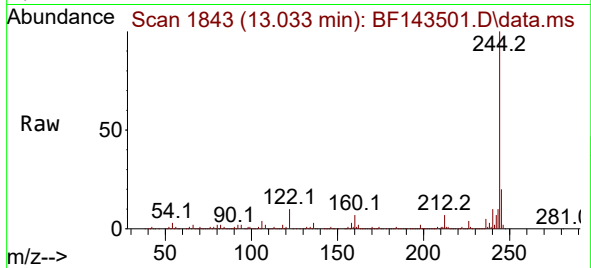




#79
 Terphenyl-d14
 Concen: 96.089 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

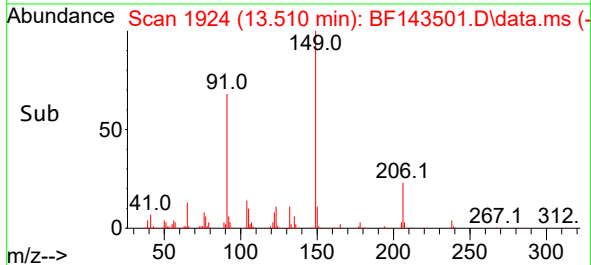
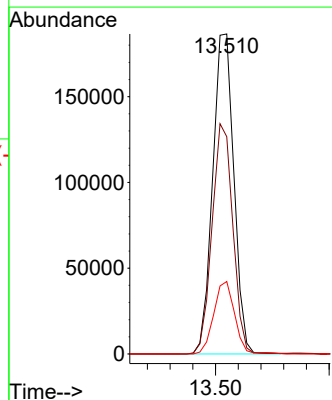
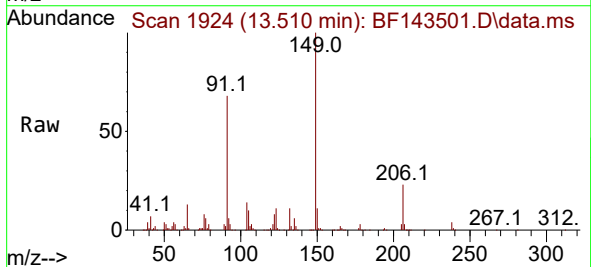
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD

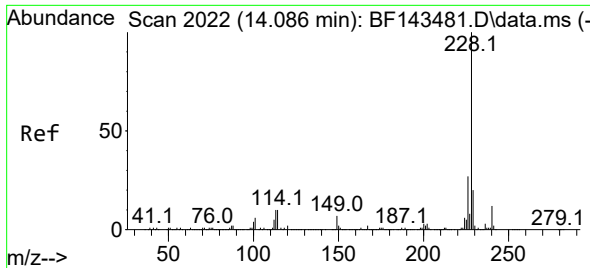
Tgt Ion:244 Resp: 1153127
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.2 7.8
 122 10.5 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 51.418 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

Tgt Ion:149 Resp: 241965
 Ion Ratio Lower Upper
 149 100
 91 67.9 55.3 82.9
 206 22.6 18.2 27.4

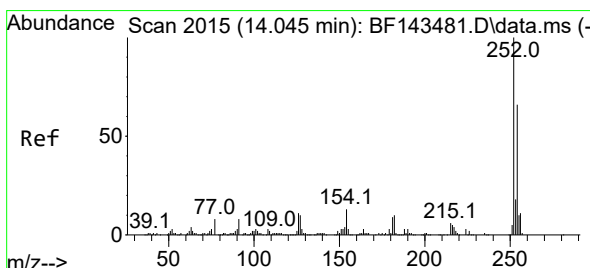
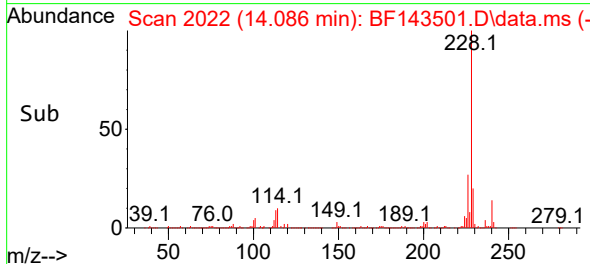
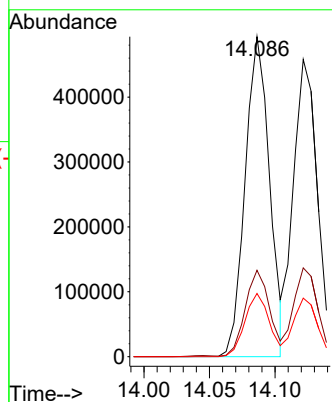
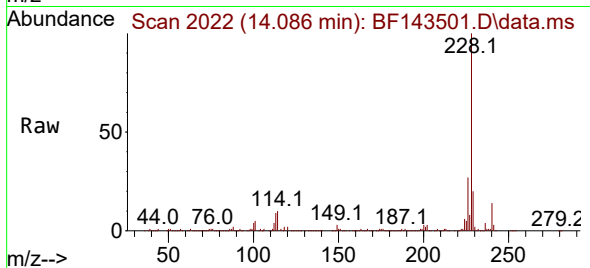




#81
Benzo(a)anthracene
Concen: 47.400 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

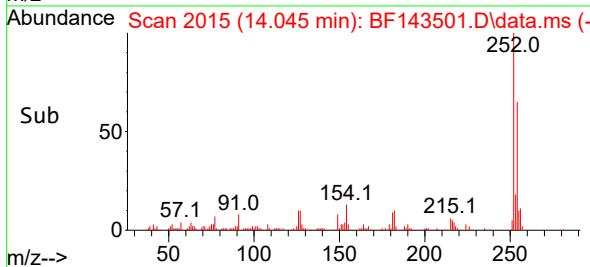
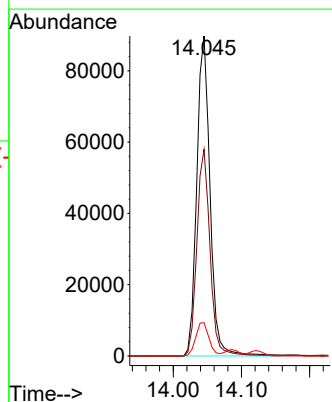
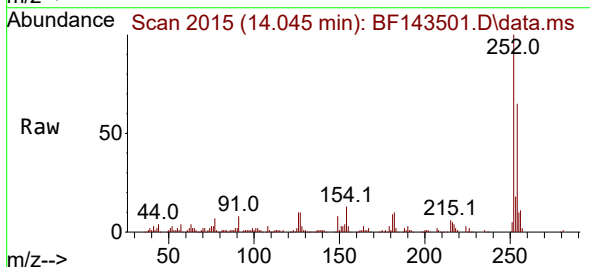
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

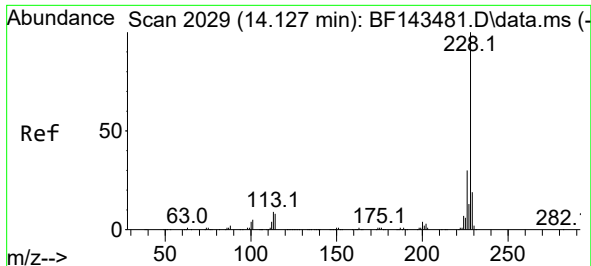
Tgt Ion:228 Resp: 639057
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.7 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 31.480 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:252 Resp: 121546
Ion Ratio Lower Upper
252 100
254 64.5 52.6 79.0
126 10.4 8.7 13.1

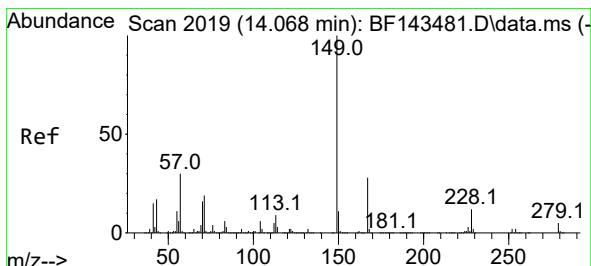
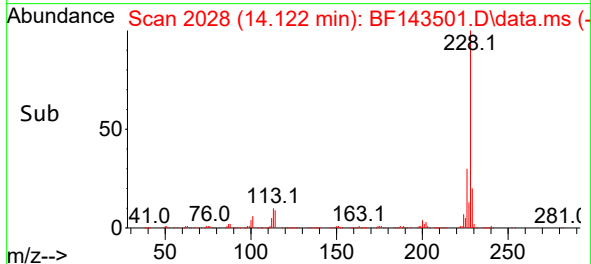
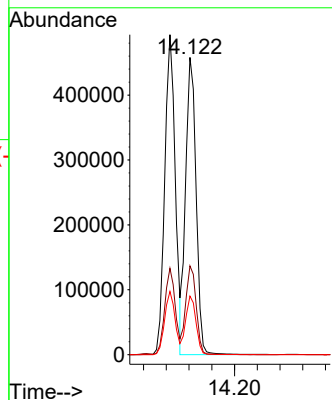
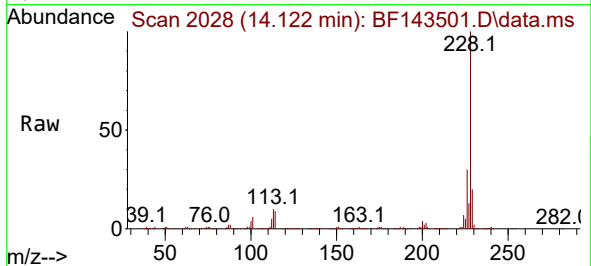




#83
Chrysene
Concen: 48.189 ng
RT: 14.122 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

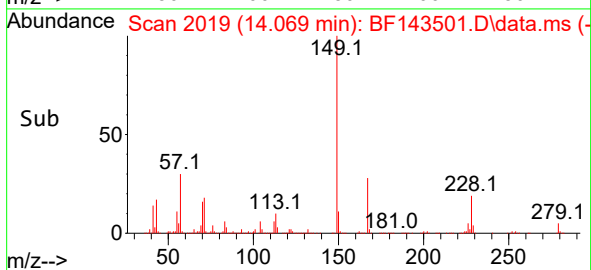
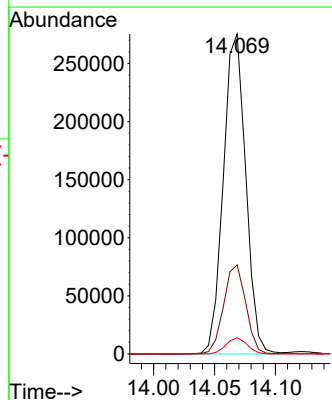
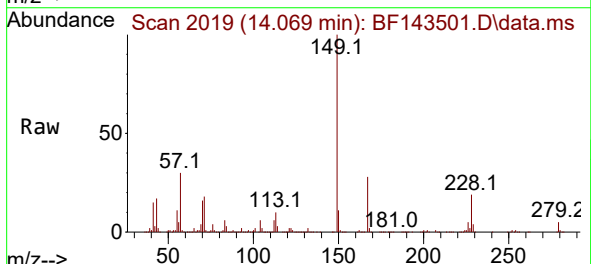
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

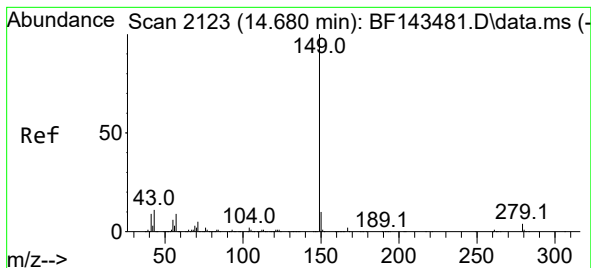
Tgt Ion:228 Resp: 583865
Ion Ratio Lower Upper
228 100
226 29.9 23.7 35.5
229 19.7 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.243 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:149 Resp: 352942
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.2
279 5.1 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 49.606 ng

RT: 14.680 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

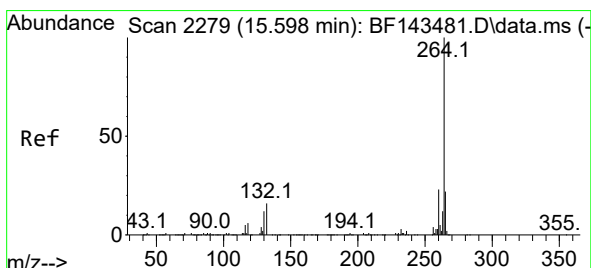
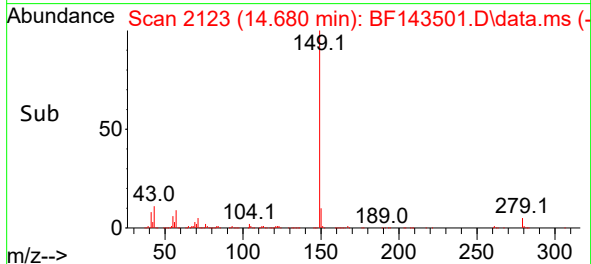
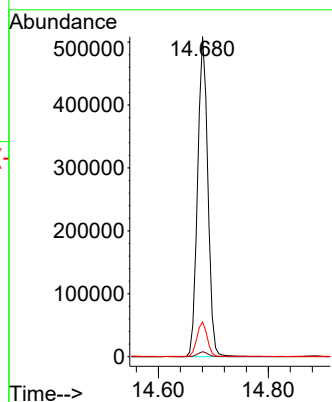
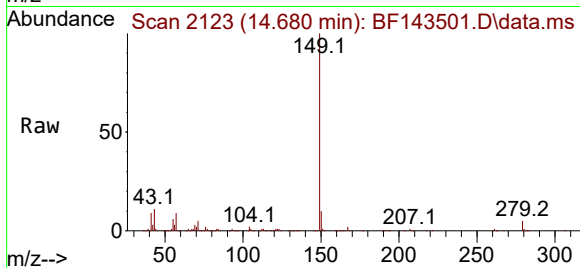
Tgt Ion:149 Resp: 658652

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.7 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

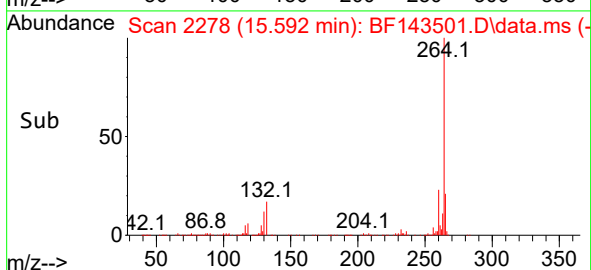
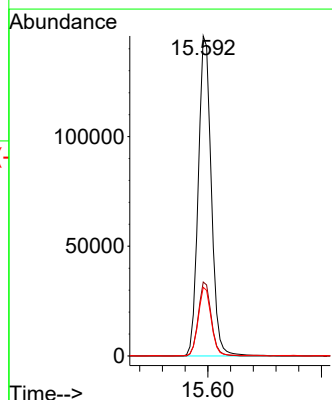
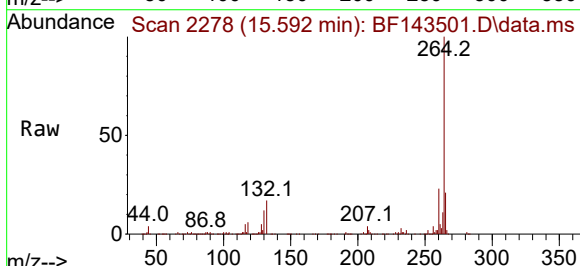
Tgt Ion:264 Resp: 232706

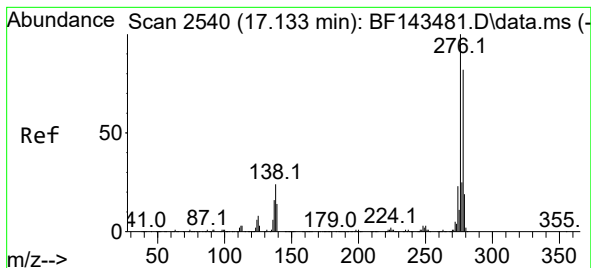
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.5 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.420 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

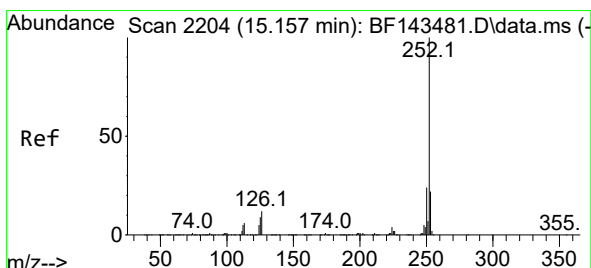
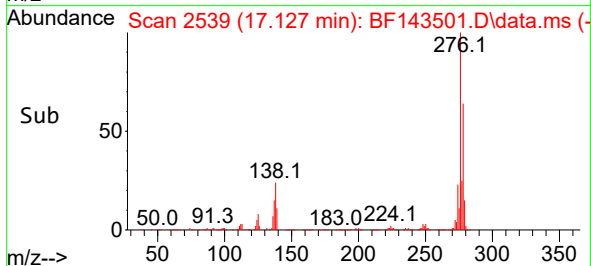
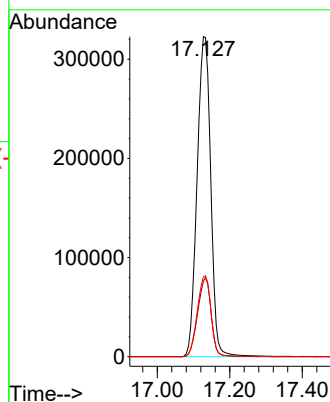
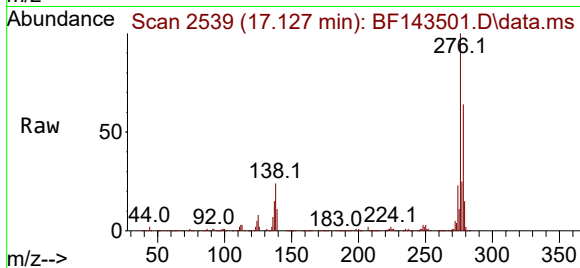
Tgt Ion:276 Resp: 843139

Ion Ratio Lower Upper

276 100

138 24.2 19.2 28.8

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 50.075 ng

RT: 15.157 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

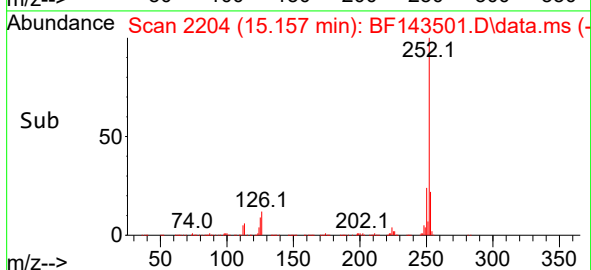
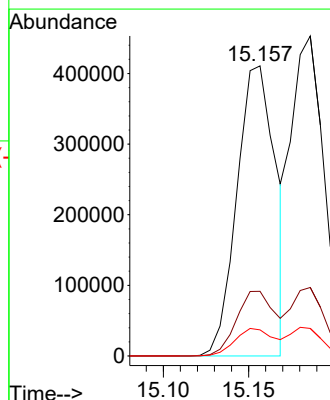
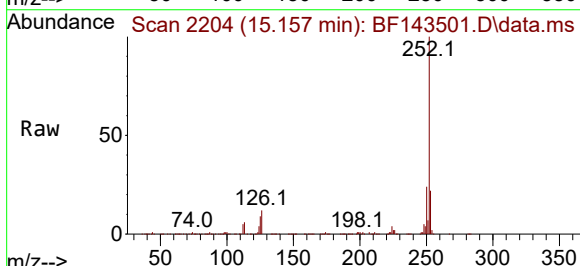
Tgt Ion:252 Resp: 647733

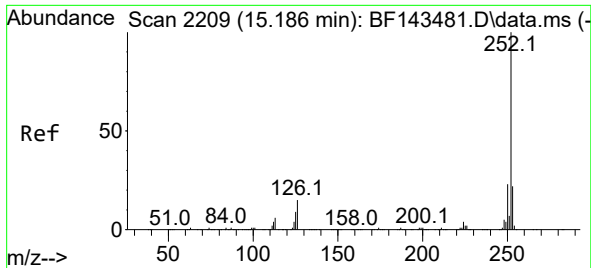
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

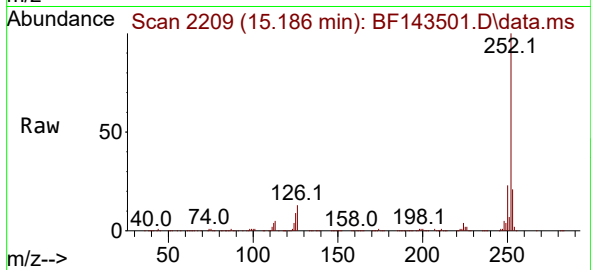
125 9.0 7.4 11.0



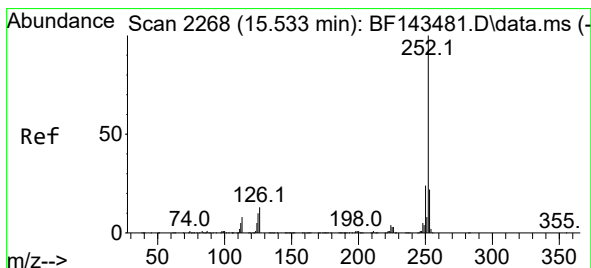
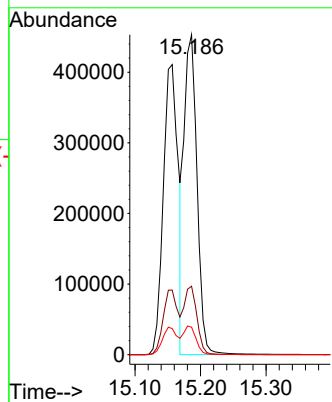
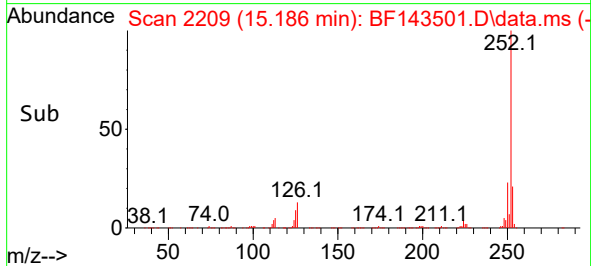


#89
Benzo(k)fluoranthene
Concen: 49.893 ng
RT: 15.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

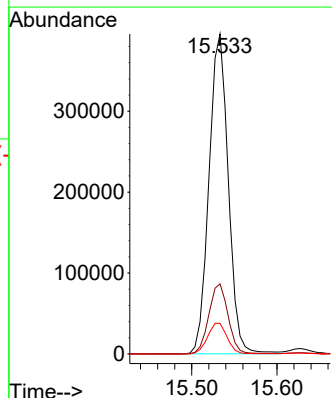
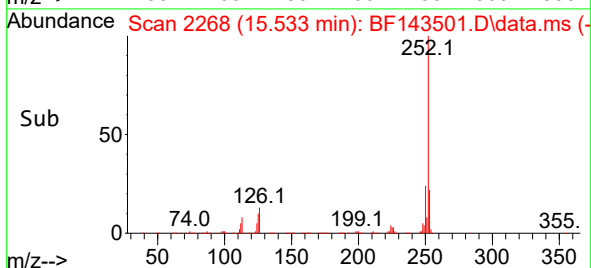
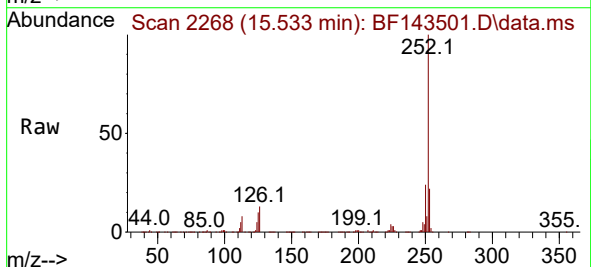


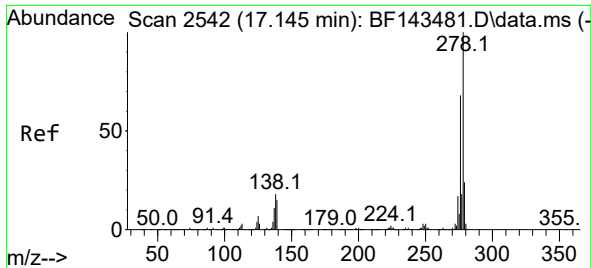
Tgt Ion:252 Resp: 617926
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 8.6 7.4 11.0



#90
Benzo(a)pyrene
Concen: 51.830 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:252 Resp: 622315
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 9.6 8.2 12.2

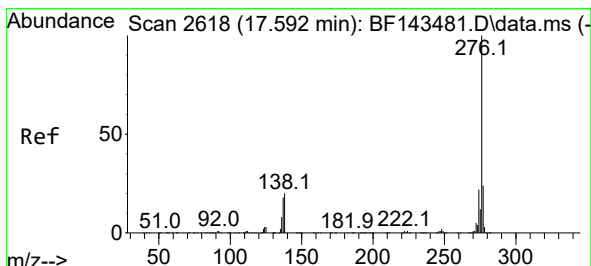
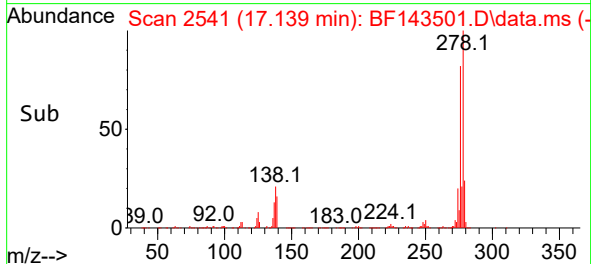
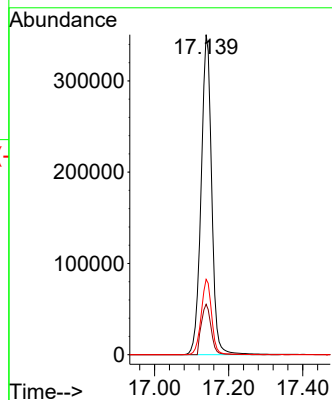
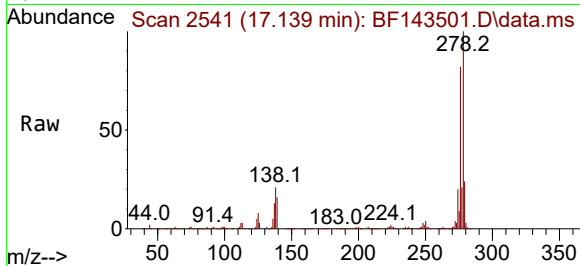




#91
Dibenzo(a,h)anthracene
Concen: 51.709 ng
RT: 17.139 min Scan# 2541
Delta R.T. -0.018 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

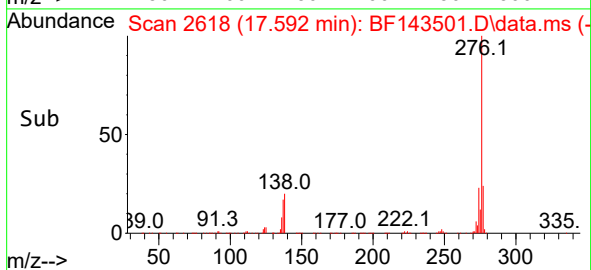
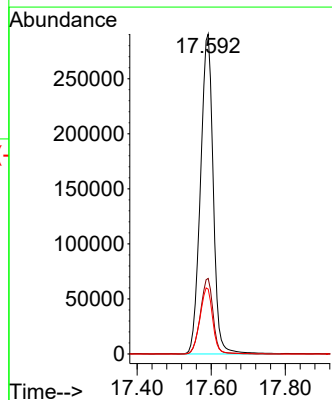
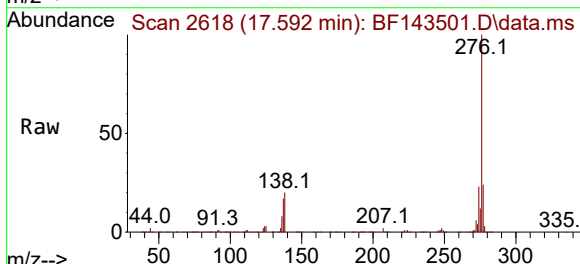
Instrument :
BNA_F
ClientSampleId :
PB169223BSD

Tgt Ion:278 Resp: 692517
Ion Ratio Lower Upper
278 100
139 15.8 12.1 18.1
279 23.6 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 51.981 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:276 Resp: 692232
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 20.3 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025393.D
 Acq On : 14 Aug 2025 13:15
 Operator : CG/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Quant Time: Aug 14 17:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	130958	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	551384	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	392376	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	816331	20.000	ng	0.00
76) Chrysene-d12	21.654	240	858165	20.000	ng	0.00
86) Perylene-d12	25.036	264	963881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	80645	10.227	ng	0.00
7) Phenol-d6	6.966	99	97106	9.605	ng	0.00
23) Nitrobenzene-d5	8.931	82	108814	9.983	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	52188	9.881	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	305742	10.649	ng	0.00
79) Terphenyl-d14	19.925	244	536049	11.428	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.337	88	17016	5.509	ng	95
3) Pyridine	3.731	79	47347	5.600	ng	95
4) n-Nitrosodimethylamine	3.637	42	17697	5.077	ng	# 93
6) Aniline	7.119	93	68694	5.043	ng	100
8) 2-Chlorophenol	7.366	128	44217	4.969	ng	98
9) Benzaldehyde	6.943	77	35338	4.989	ng	99
10) Phenol	6.990	94	52186	4.919	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	41995	5.079	ng	98
12) 1,3-Dichlorobenzene	7.684	146	50146	5.111	ng	96
13) 1,4-Dichlorobenzene	7.825	146	51948	5.180	ng	97
14) 1,2-Dichlorobenzene	8.143	146	50995	5.253	ng	96
15) Benzyl Alcohol	8.025	79	37874	4.715	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	57686	5.208	ng	98
17) 2-Methylphenol	8.225	107	35186	4.776	ng	96
18) Hexachloroethane	8.866	117	18905	5.127	ng	99
19) n-Nitroso-di-n-propyla...	8.584	70	34898	5.205	ng	95
20) 3+4-Methylphenols	8.549	107	48056	4.705	ng	97
22) Acetophenone	8.602	105	70986	5.134	ng	# 96
24) Nitrobenzene	8.972	77	48234	4.951	ng	99
25) Isophorone	9.496	82	101112	5.242	ng	98
26) 2-Nitrophenol	9.678	139	23020	4.605	ng	95
27) 2,4-Dimethylphenol	9.737	122	41790	4.861	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	61017	5.233	ng	98
29) 2,4-Dichlorophenol	10.213	162	40336	4.723	ng	94
30) 1,2,4-Trichlorobenzene	10.425	180	49237	5.259	ng	97
31) Naphthalene	10.613	128	147346	5.141	ng	99
32) Benzoic acid	9.807	122	17656	2.788	ng	84
33) 4-Chloroaniline	10.713	127	62452	4.933	ng	96
34) Hexachlorobutadiene	10.902	225	30559	5.241	ng	95
35) Caprolactam	11.466	113	16890	5.393	ng	# 84
36) 4-Chloro-3-methylphenol	11.837	107	50515	5.154	ng	91
37) 2-Methylnaphthalene	12.219	142	98648	5.289	ng	97
38) 1-Methylnaphthalene	12.437	142	107044	5.397	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	56676	5.001	ng	100
41) Hexachlorocyclopentadiene	12.572	237	25243	3.688	ng	97
43) 2,4,6-Trichlorophenol	12.831	196	36093	4.718	ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025393.D
 Acq On : 14 Aug 2025 13:15
 Operator : CG/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Quant Time: Aug 14 17:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

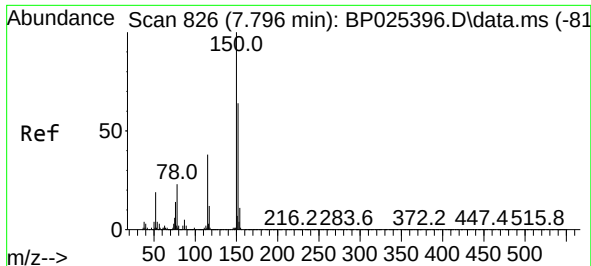
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	40875	4.875	ng	95
46) 1,1'-Biphenyl	13.237	154	146651	5.146	ng	98
47) 2-Chloronaphthalene	13.272	162	113015	5.094	ng	99
48) 2-Nitroaniline	13.466	65	29527	4.568	ng	98
49) Acenaphthylene	14.125	152	187026	5.095	ng	99
50) Dimethylphthalate	13.860	163	153868	5.355	ng	99
51) 2,6-Dinitrotoluene	13.966	165	29088	4.803	ng	94
52) Acenaphthene	14.472	154	117653	5.460	ng	97
53) 3-Nitroaniline	14.301	138	31224	4.583	ng	85
54) 2,4-Dinitrophenol	14.513	184	10441	3.228	ng #	87
55) Dibenzofuran	14.813	168	178494	5.240	ng	99
56) 4-Nitrophenol	14.625	139	24517	4.379	ng	96
57) 2,4-Dinitrotoluene	14.760	165	39658	4.590	ng	94
58) Fluorene	15.472	166	147760	5.497	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.037	232	36779	4.968	ng	99
60) Diethylphthalate	15.237	149	158426	5.426	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	74636	5.583	ng	99
62) 4-Nitroaniline	15.478	138	33466	4.791	ng	90
63) Azobenzene	15.760	77	128978	5.159	ng	99
65) 4,6-Dinitro-2-methylph...	15.543	198	19069	3.747	ng	92
66) n-Nitrosodiphenylamine	15.678	169	129805	5.214	ng	97
67) 4-Bromophenyl-phenylether	16.378	248	47579	5.299	ng	98
68) Hexachlorobenzene	16.501	284	53940	5.183	ng	98
69) Atrazine	16.648	200	46750	5.015	ng	96
70) Pentachlorophenol	16.854	266	29650	4.513	ng	96
71) Phenanthrene	17.248	178	237107	5.287	ng	98
72) Anthracene	17.342	178	236938	5.174	ng	99
73) Carbazole	17.619	167	220112	5.103	ng	98
74) Di-n-butylphthalate	18.231	149	274467	5.172	ng	99
75) Fluoranthene	19.336	202	279497	5.225	ng	99
77) Benzidine	19.525	184	123915	4.231	ng	99
78) Pyrene	19.713	202	299922	5.377	ng	98
80) Butylbenzylphthalate	20.654	149	126321	4.997	ng	99
81) Benzo(a)anthracene	21.636	228	296847	5.245	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	106858	5.009	ng	99
83) Chrysene	21.701	228	277175	5.229	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	194541	5.228	ng	97
85) Di-n-octyl phthalate	22.877	149	313503	4.898	ng	99
87) Indeno(1,2,3-cd)pyrene	28.865	276	350414	4.956	ng	98
88) Benzo(b)fluoranthene	23.960	252	289797	5.099	ng	99
89) Benzo(k)fluoranthene	24.042	252	289556	5.091	ng	98
90) Benzo(a)pyrene	24.877	252	274440	4.960	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	284440	4.924	ng	100
92) Benzo(g,h,i)perylene	30.036	276	279987	4.931	ng	97

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

- 1
- 2
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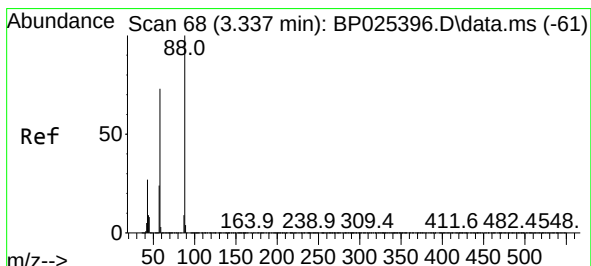
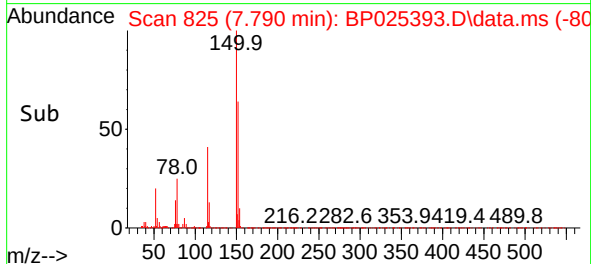
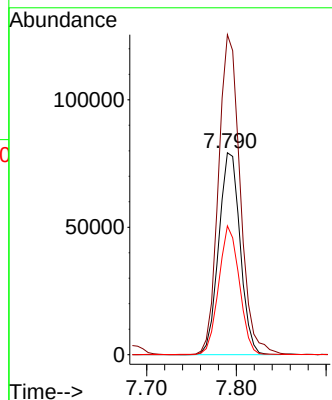
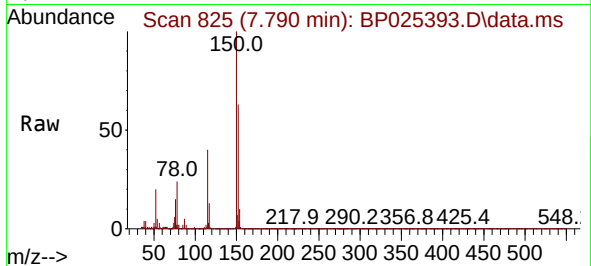




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15

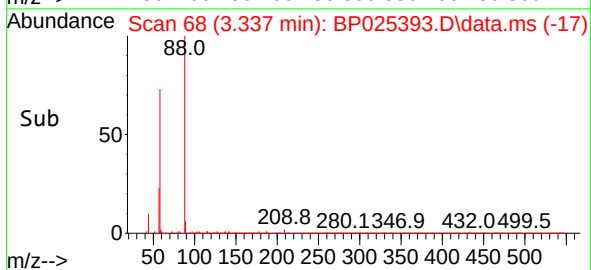
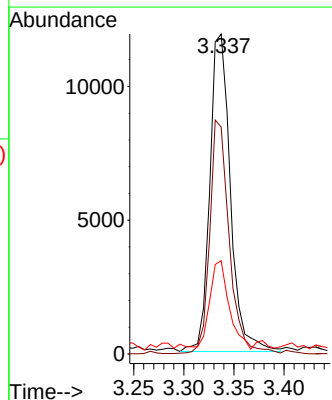
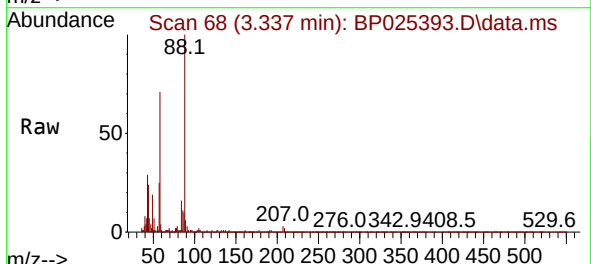
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 ClientSampleId :
 SSTDICC005

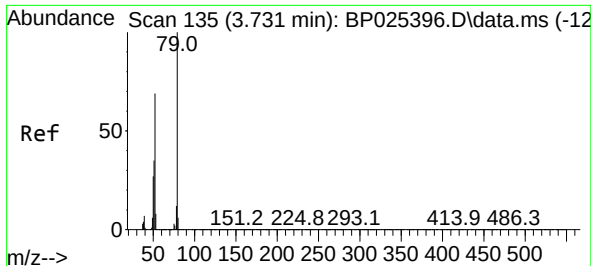
Tgt Ion:152 Resp: 130958
 Ion Ratio Lower Upper
 152 100
 150 158.5 125.9 188.9
 115 63.8 48.5 72.7



#2
 1,4-Dioxane
 Concen: 5.509 ng
 RT: 3.337 min Scan# 68
 Delta R.T. 0.000 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15

Tgt Ion: 88 Resp: 17016
 Ion Ratio Lower Upper
 88 100
 58 69.1 59.2 88.8
 43 26.1 21.7 32.5

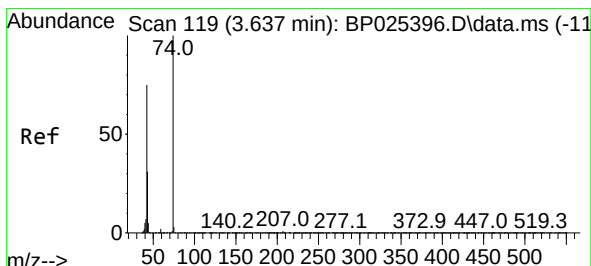
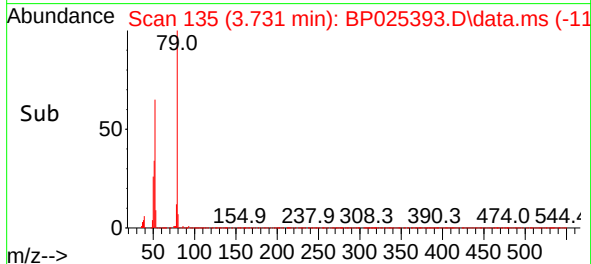
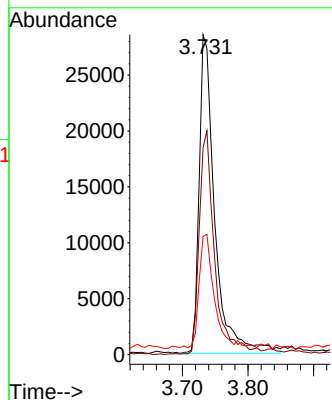
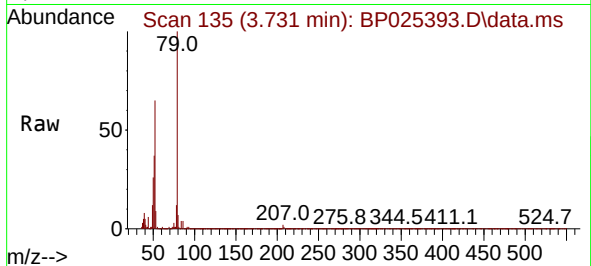




#3
Pyridine
Concen: 5.600 ng
RT: 3.731 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

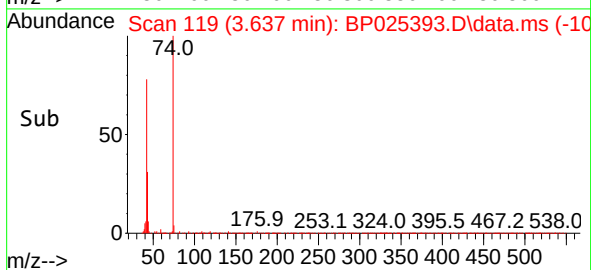
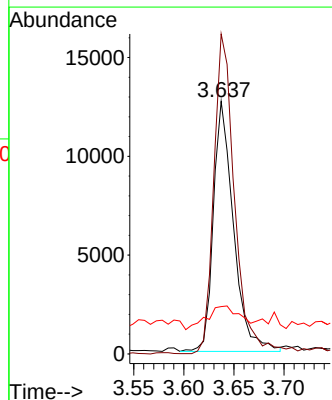
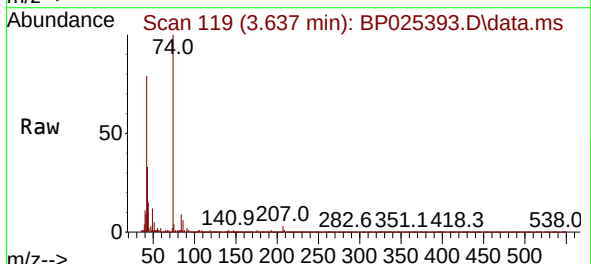
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ClientSampleId :
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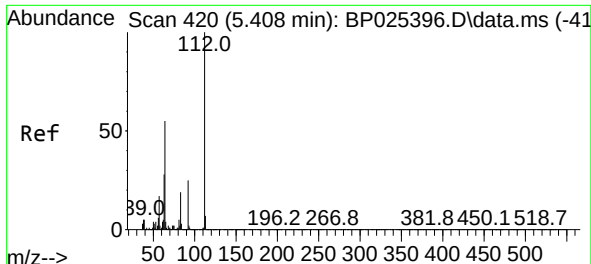
Tgt Ion: 79 Resp: 47347
Ion Ratio Lower Upper
79 100
52 64.7 55.5 83.3
51 37.0 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 5.077 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 42 Resp: 17697
Ion Ratio Lower Upper
42 100
74 126.7 107.0 160.4
44 18.7 6.2 9.4#

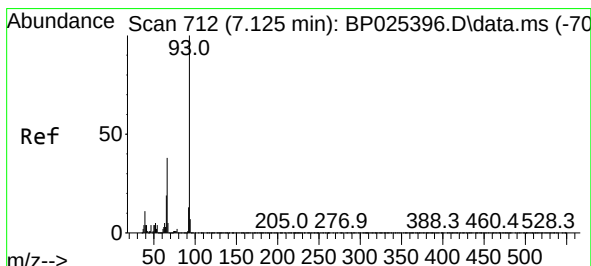
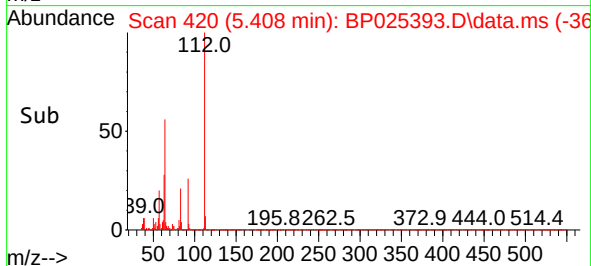
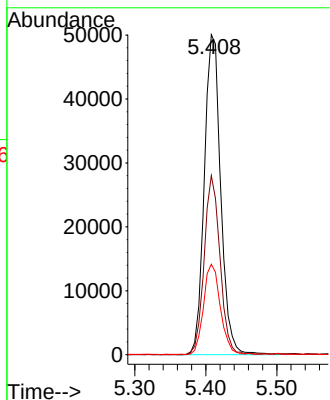
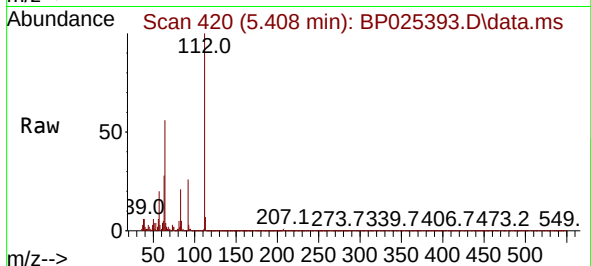




#5
2-Fluorophenol
Concen: 10.227 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

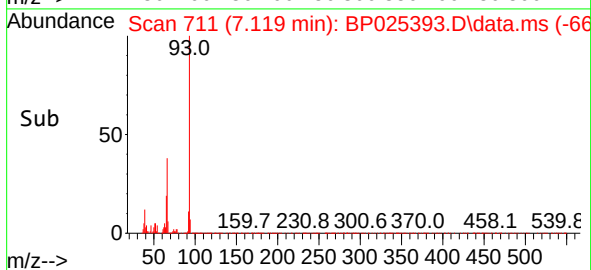
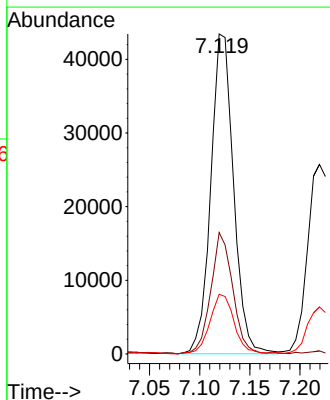
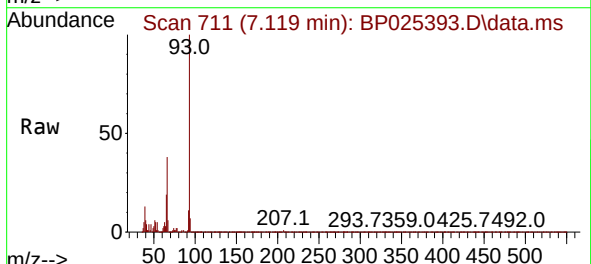
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

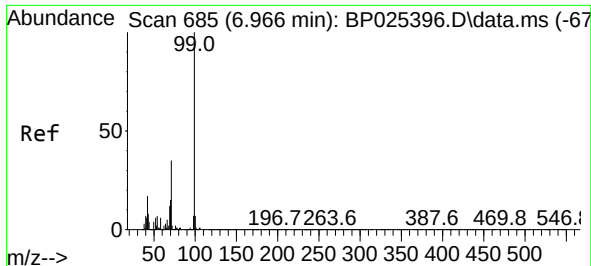
Tgt Ion:	112	Resp:	80645
Ion Ratio	Lower	Upper	
112	100		
64	55.9	43.8	65.8
63	28.3	22.7	34.1



#6
Aniline
Concen: 5.043 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	93	Resp:	68694
Ion Ratio	Lower	Upper	
93	100		
66	38.0	30.4	45.6
65	18.6	15.3	22.9

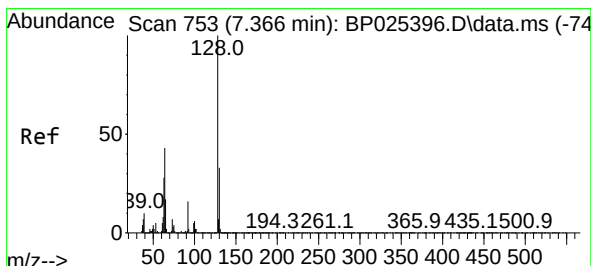
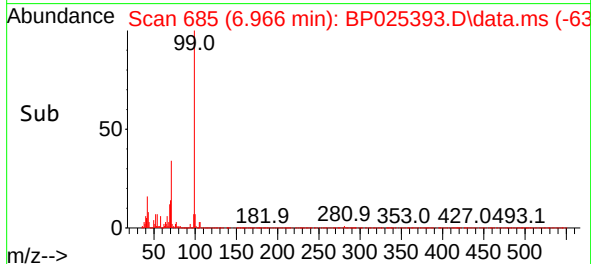
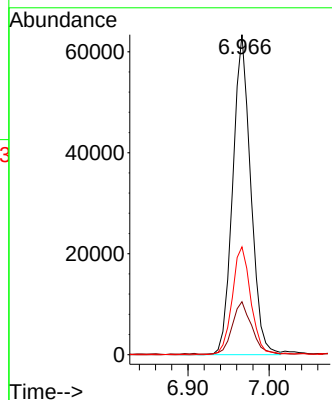
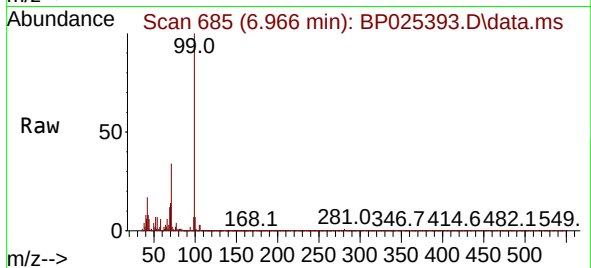




#7
Phenol-d6
Concen: 9.605 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

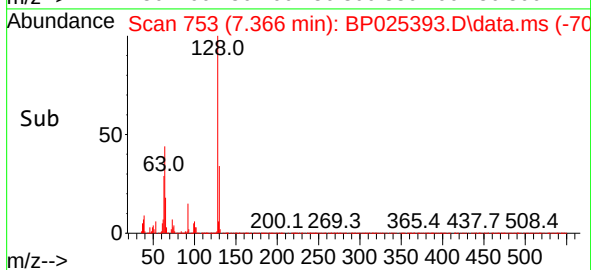
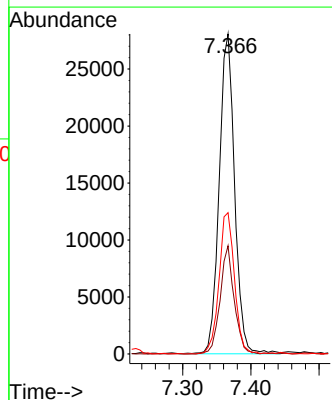
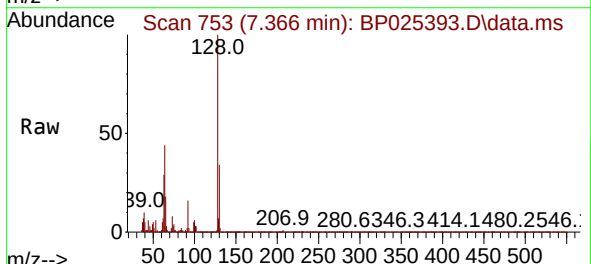
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

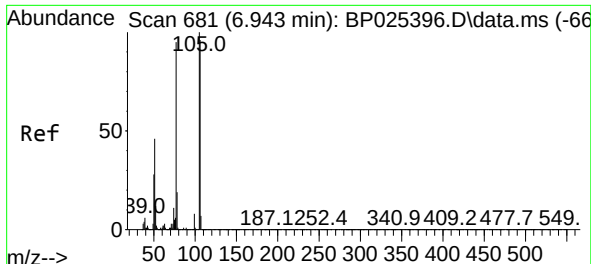
Tgt Ion:	99	Resp:	97106
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.7	20.5
71	33.7	28.2	42.4



#8
2-Chlorophenol
Concen: 4.969 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	128	Resp:	44217
Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.6	52.6
64	44.1	23.4	63.4

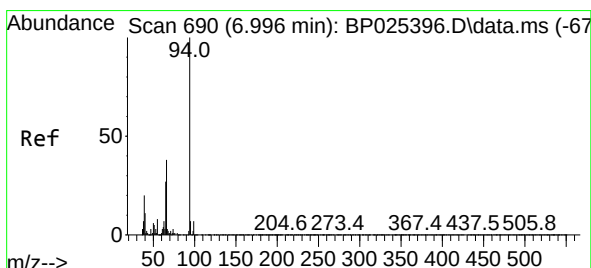
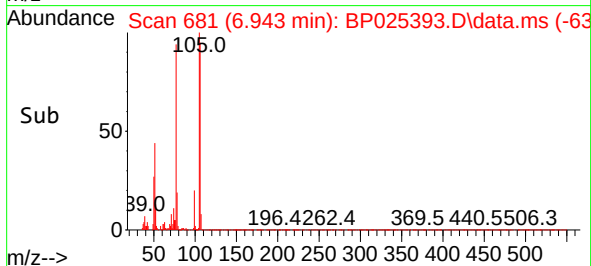
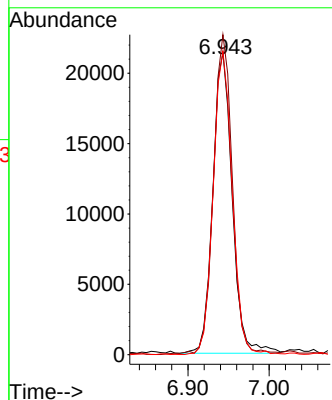
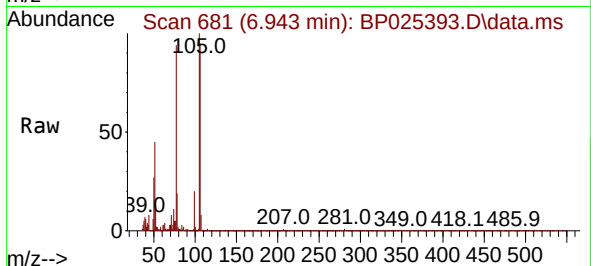




#9
Benzaldehyde
Concen: 4.989 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

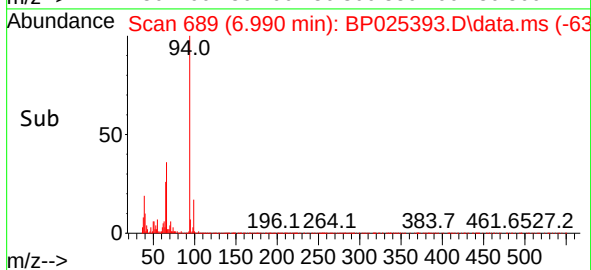
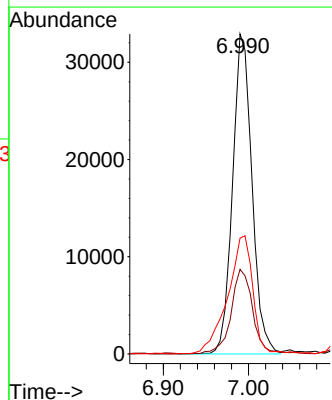
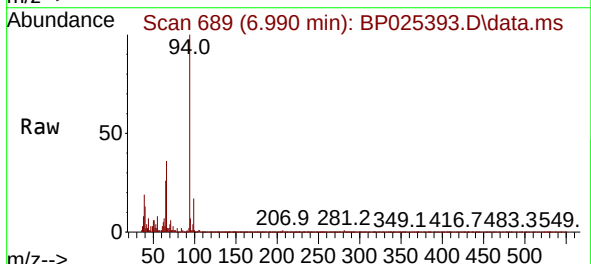
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

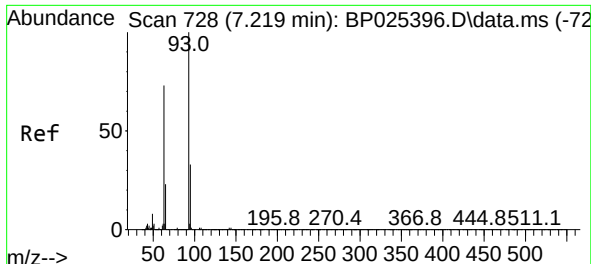
Tgt Ion: 77 Resp: 35338
Ion Ratio Lower Upper
77 100
105 105.9 84.8 124.8
106 100.5 80.5 120.5



#10
Phenol
Concen: 4.919 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 94 Resp: 52186
Ion Ratio Lower Upper
94 100
65 26.5 6.8 46.8
66 36.2 18.2 58.2

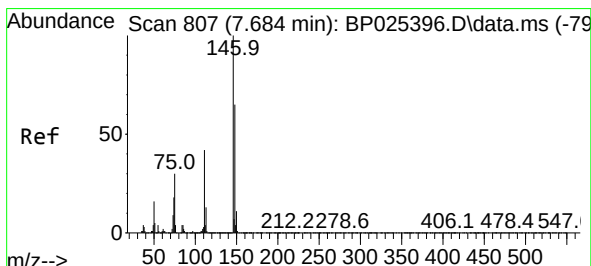
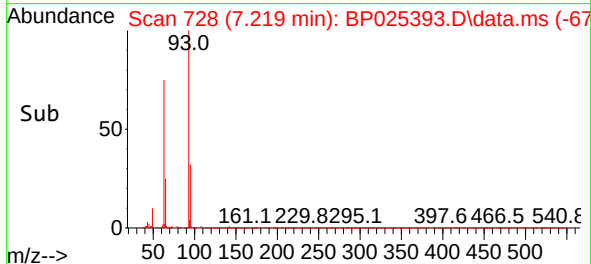
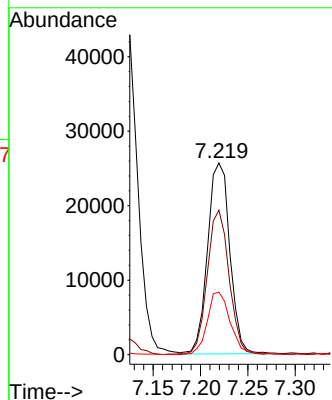
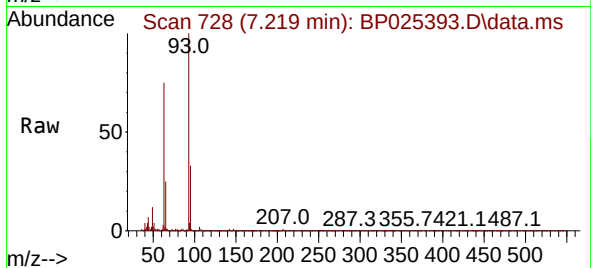




#11
 bis(2-Chloroethyl)ether
 Concen: 5.079 ng
 RT: 7.219 min Scan# 728
 Delta R.T. 0.000 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15

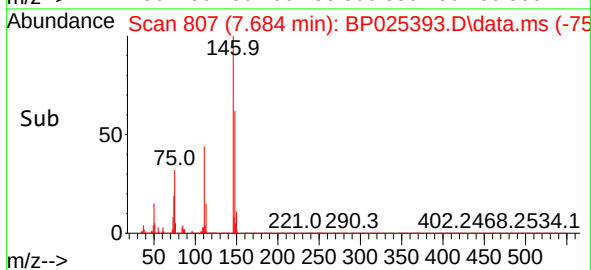
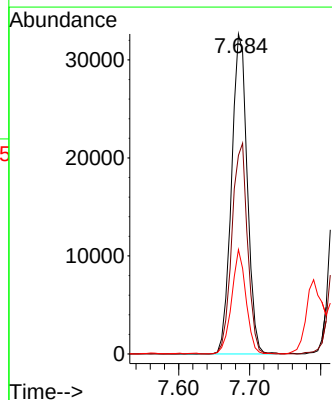
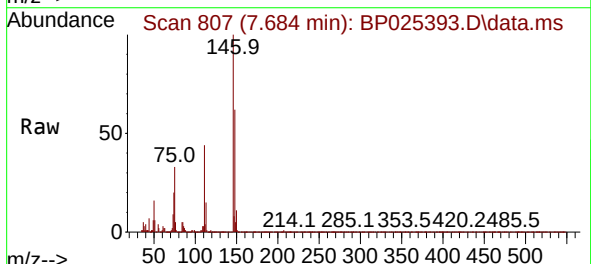
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

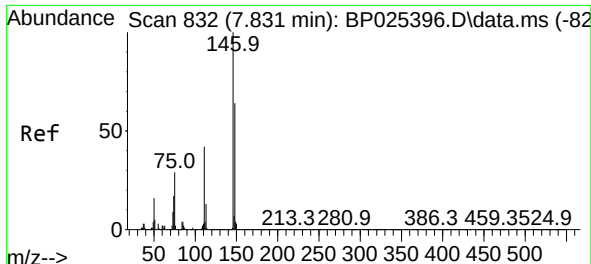
Tgt Ion:	93	Resp:	41995
Ion	Ratio	Lower	Upper
93	100		
63	75.4	52.6	92.6
95	32.6	12.7	52.7



#12
 1,3-Dichlorobenzene
 Concen: 5.111 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15

Tgt Ion:	146	Resp:	50146
Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.9	77.9
75	32.6	23.7	35.5

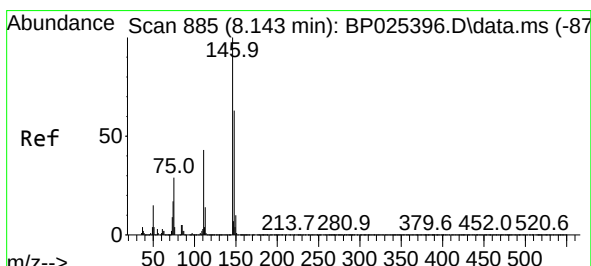
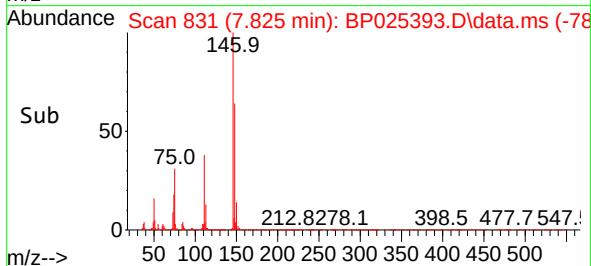
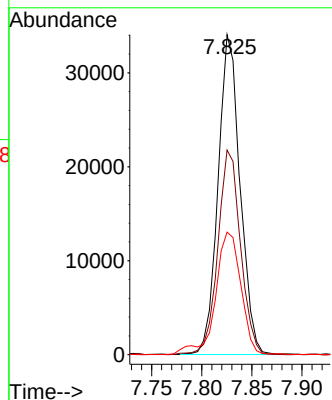
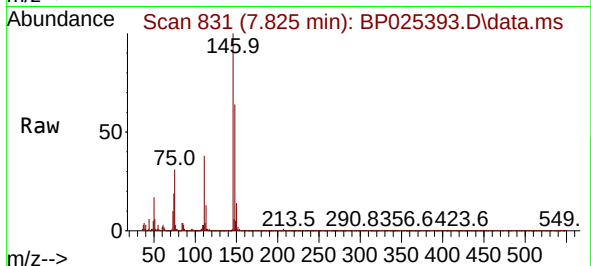




#13
1,4-Dichlorobenzene
Concen: 5.180 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

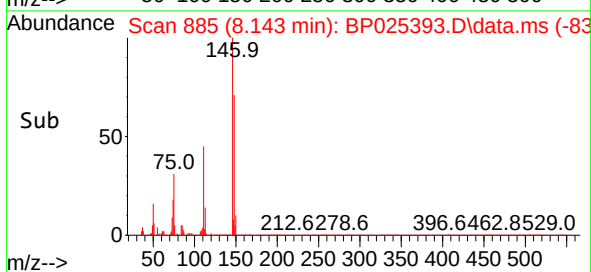
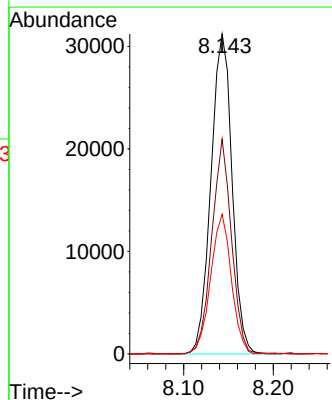
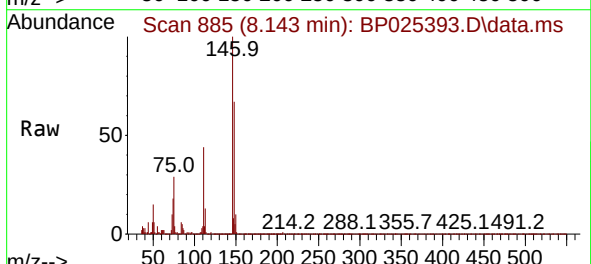
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

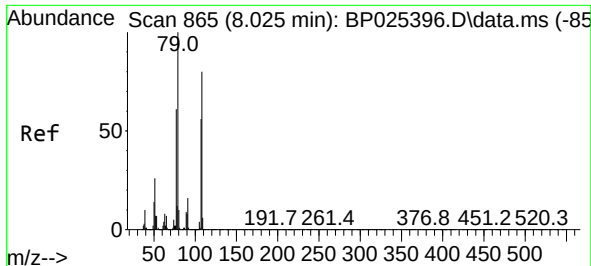
Tgt Ion:146 Resp: 51948
Ion Ratio Lower Upper
146 100
148 64.0 51.6 77.4
111 38.3 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 5.253 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 50995
Ion Ratio Lower Upper
146 100
148 67.2 50.4 75.6
111 43.7 34.5 51.7

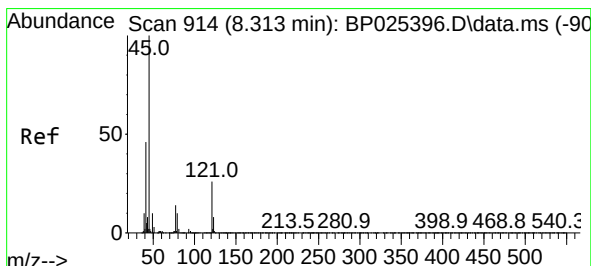
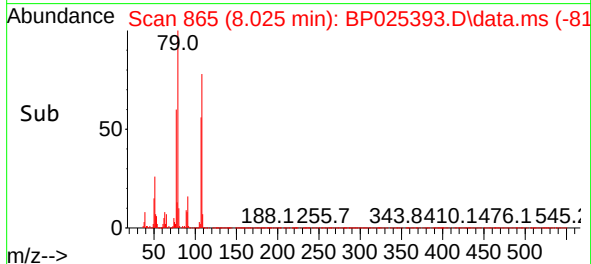
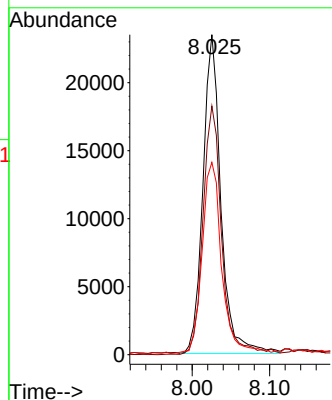
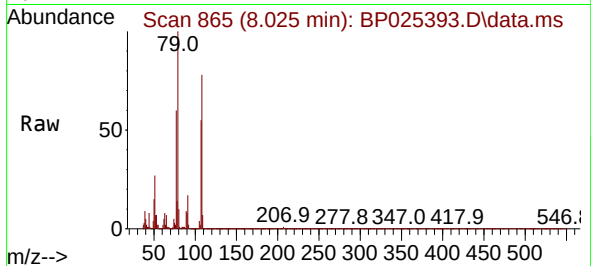




#15
Benzyl Alcohol
Concen: 4.715 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

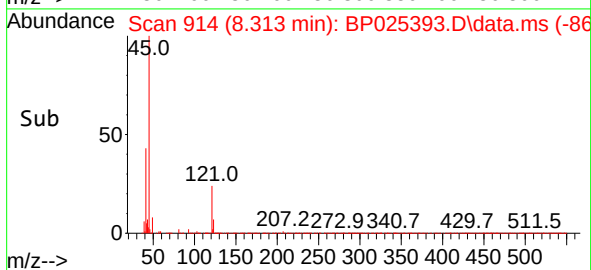
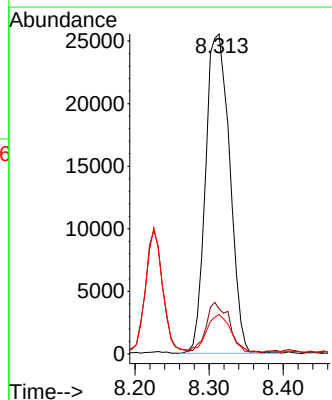
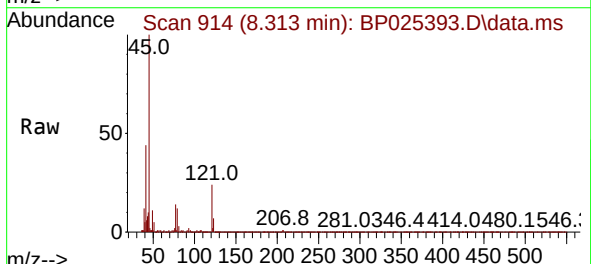
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

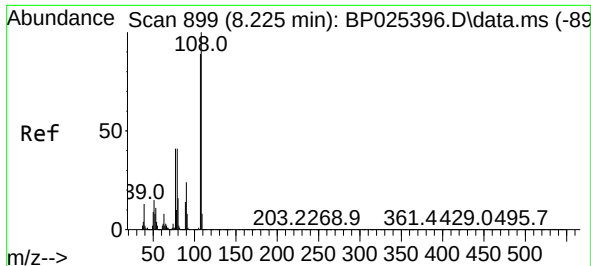
Tgt Ion: 79 Resp: 37874
Ion Ratio Lower Upper
79 100
108 77.7 63.8 95.6
77 60.1 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.208 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 45 Resp: 57686
Ion Ratio Lower Upper
45 100
77 14.1 0.0 35.3
79 12.4 0.0 31.8

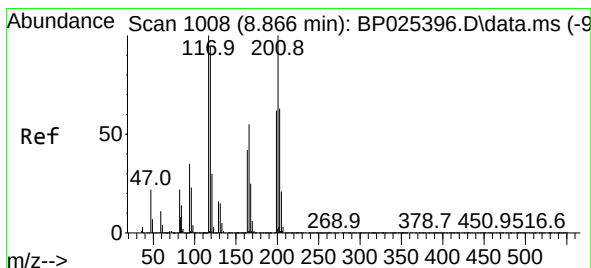
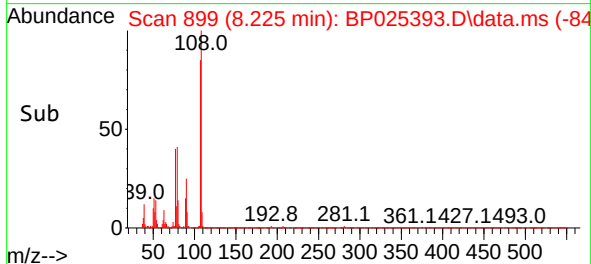
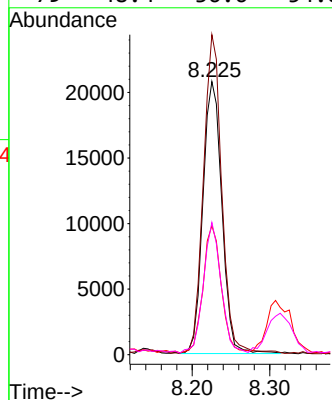
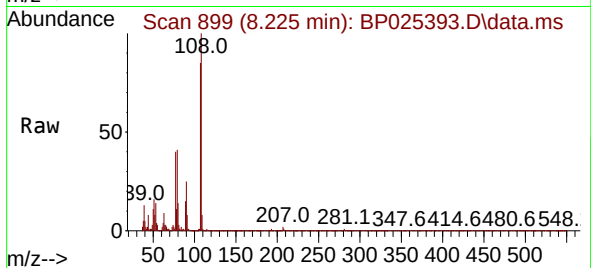




#17
2-Methylphenol
Concen: 4.776 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

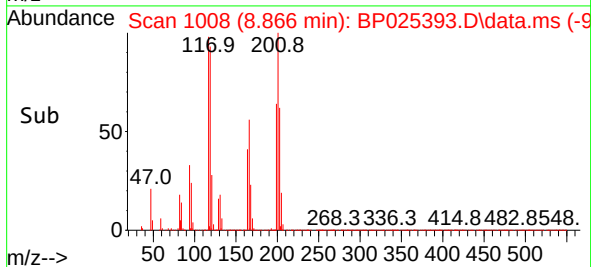
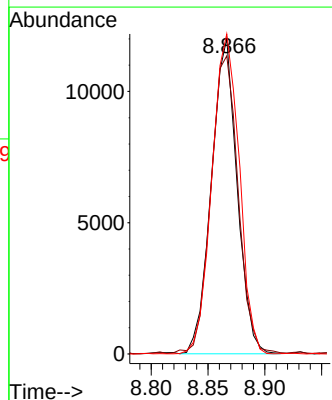
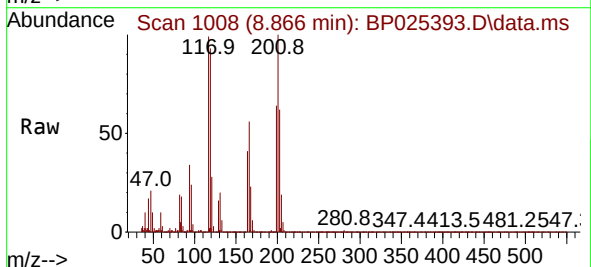
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

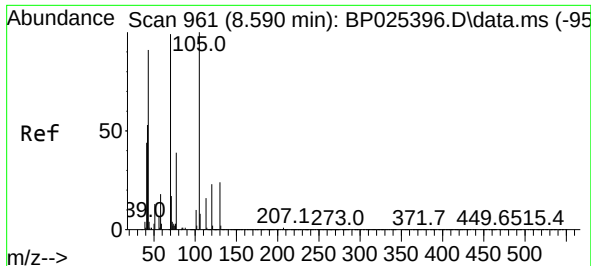
Tgt Ion:	107	Resp:	35186
Ion	Ratio	Lower	Upper
107	100		
108	117.2	89.4	134.0
77	47.2	36.3	54.5
79	48.4	36.6	54.8



#18
Hexachloroethane
Concen: 5.127 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	117	Resp:	18905
Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.1	112.7
201	101.5	80.1	120.1

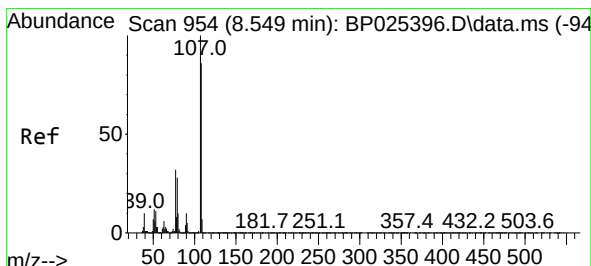
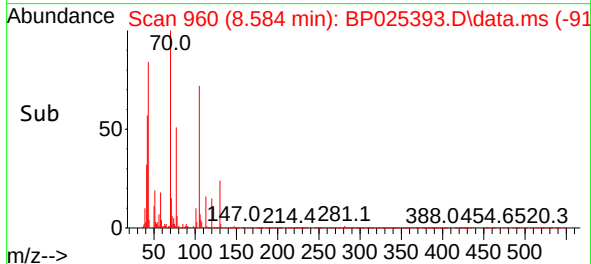
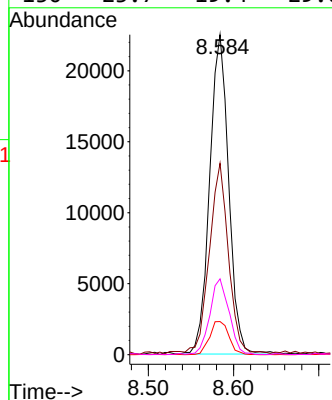
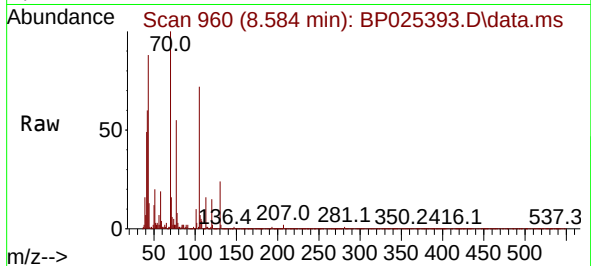




#19
n-Nitroso-di-n-propylamine
Concen: 5.205 ng
RT: 8.584 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

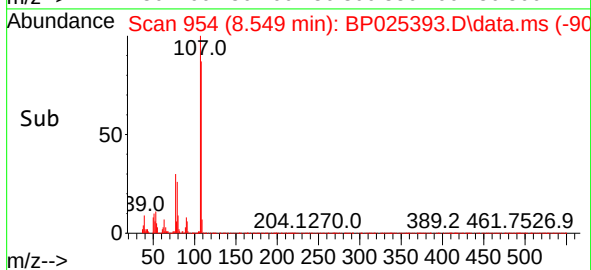
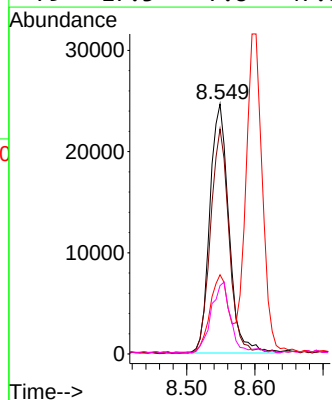
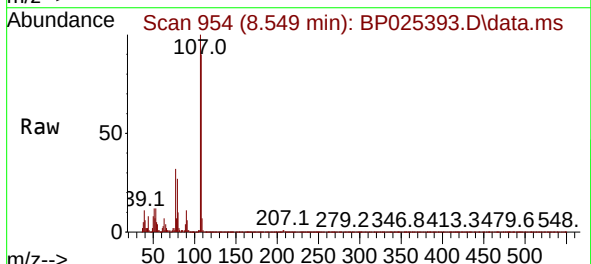
Instrument :
BNA_P
ClientSampleId :
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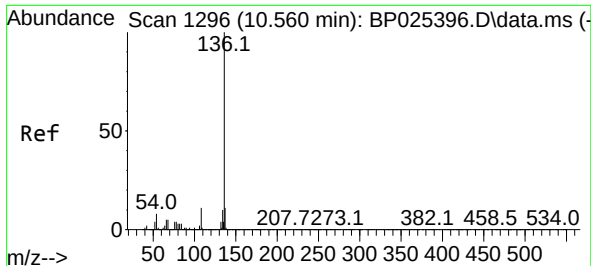
Tgt Ion:	70	Resp:	34898
Ion	Ratio	Lower	Upper
70	100		
42	59.8	43.8	65.6
101	10.3	8.5	12.7
130	23.7	19.4	29.0



#20
3+4-Methylphenols
Concen: 4.705 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	107	Resp:	48056
Ion	Ratio	Lower	Upper
107	100		
108	90.0	66.3	106.3
77	31.7	12.3	52.3
79	27.3	7.8	47.8

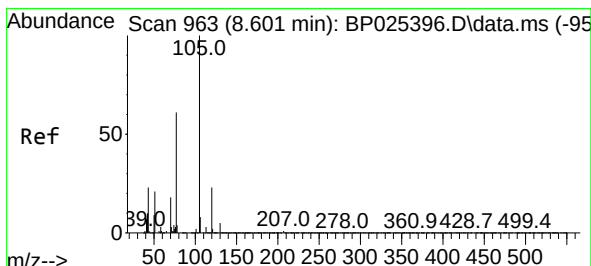
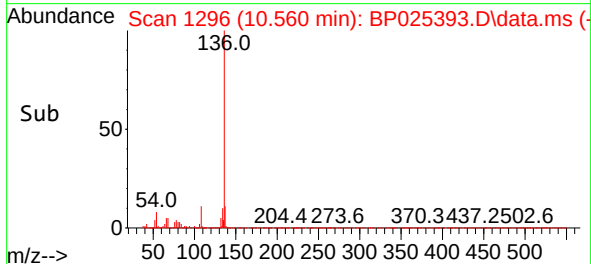
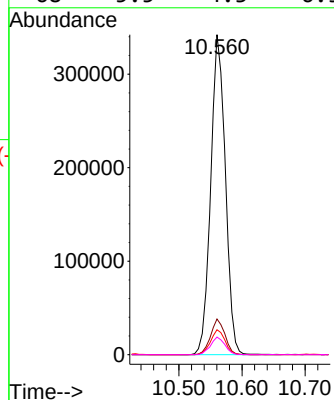
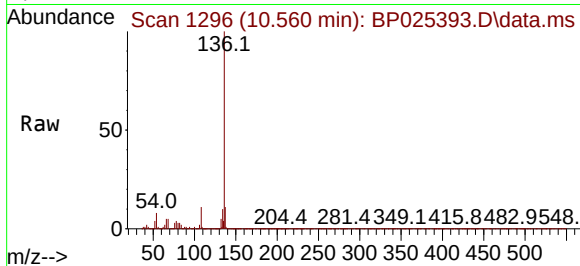




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

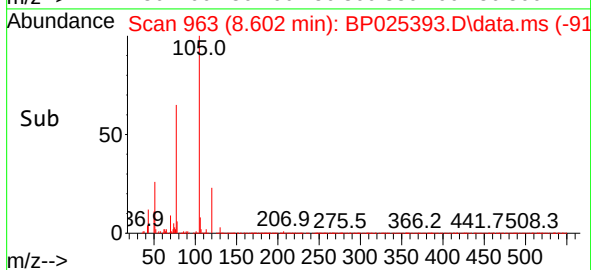
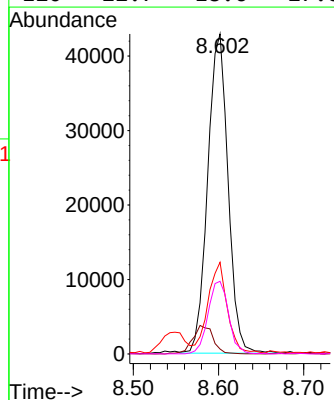
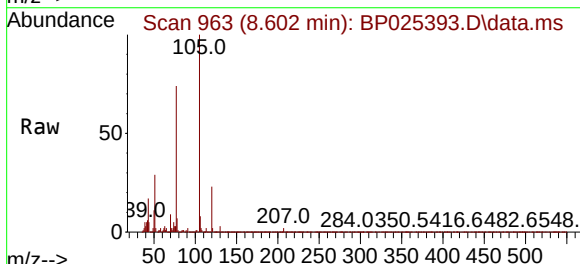
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

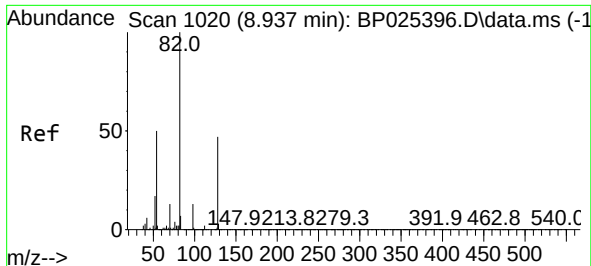
Tgt Ion:	136	Resp:	551384
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.2	13.8
54	7.8	6.0	9.0
68	5.5	4.3	6.5



#22
Acetophenone
Concen: 5.134 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	105	Resp:	70986
Ion Ratio	Lower	Upper	
105	100		
71	1.5	2.6	4.0#
51	28.7	20.6	30.8
120	22.7	18.6	27.8

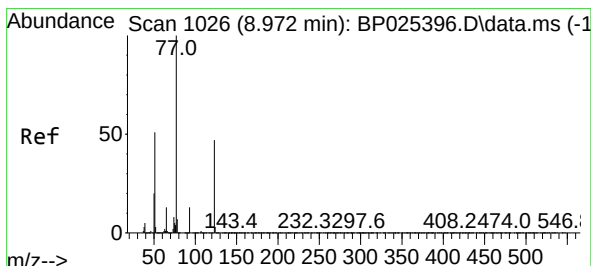
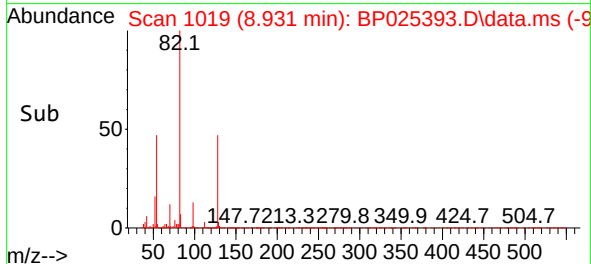
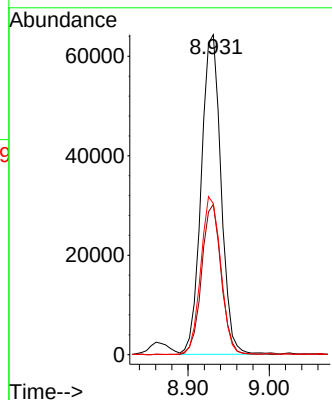
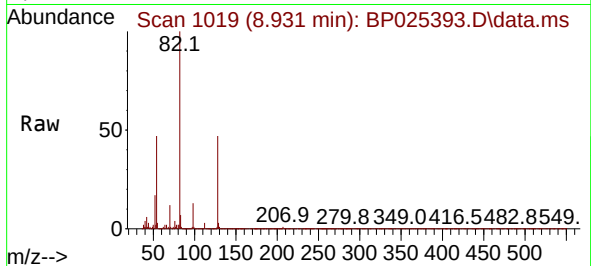




#23
Nitrobenzene-d5
Concen: 9.983 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

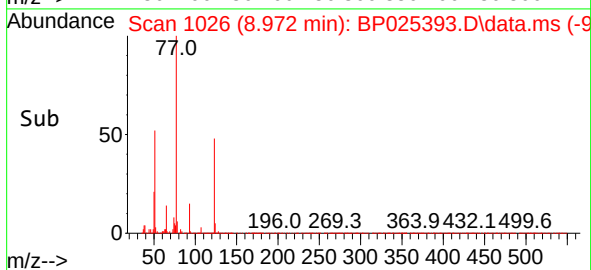
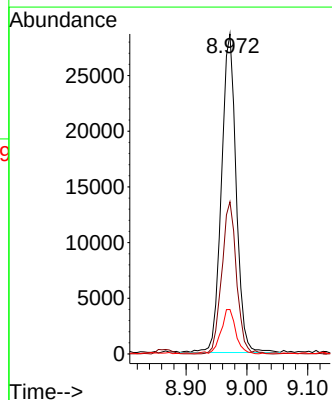
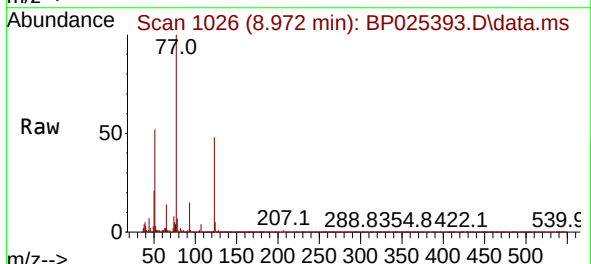
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

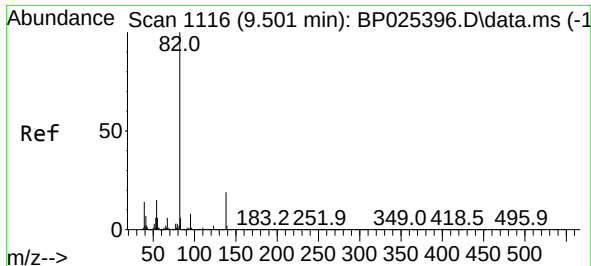
Tgt Ion: 82 Resp: 108814
Ion Ratio Lower Upper
82 100
128 47.0 37.7 56.5
54 47.2 39.8 59.6



#24
Nitrobenzene
Concen: 4.951 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 77 Resp: 48234
Ion Ratio Lower Upper
77 100
123 47.6 38.6 58.0
65 13.9 10.6 15.8

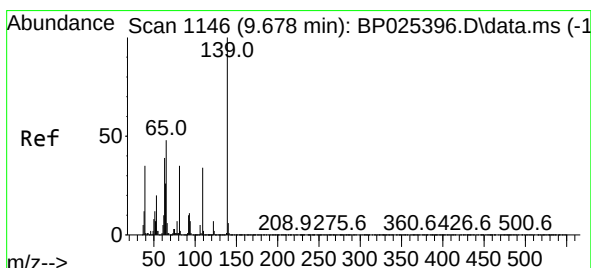
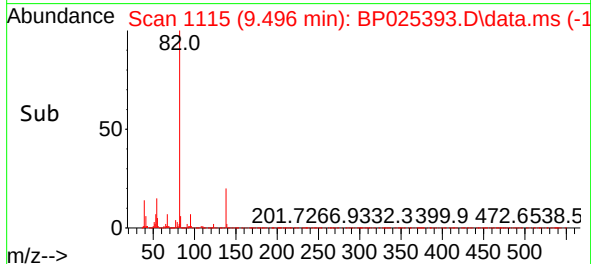
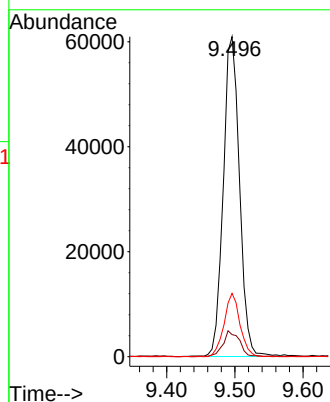
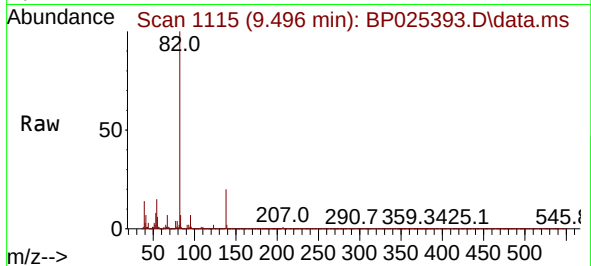




#25
Isophorone
Concen: 5.242 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

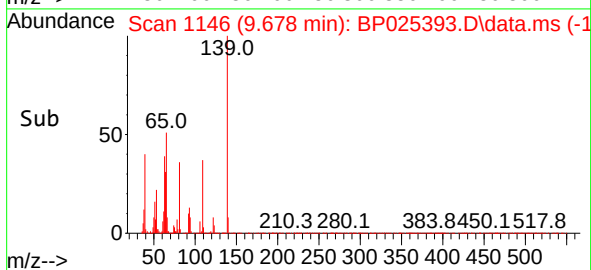
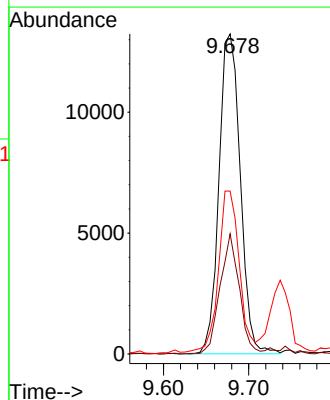
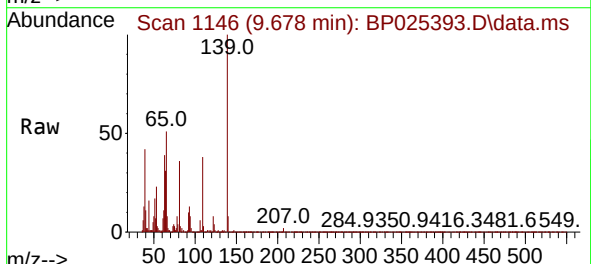
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

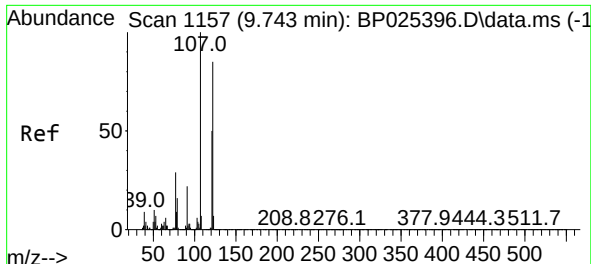
Tgt Ion: 82	Resp: 101112
Ion Ratio	Lower Upper
82 100	
95 6.9	6.4 9.6
138 19.8	15.4 23.0



#26
2-Nitrophenol
Concen: 4.605 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 139	Resp: 23020
Ion Ratio	Lower Upper
139 100	
109 37.5	26.9 40.3
65 50.9	38.3 57.5

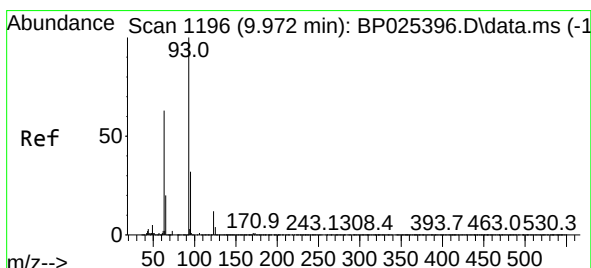
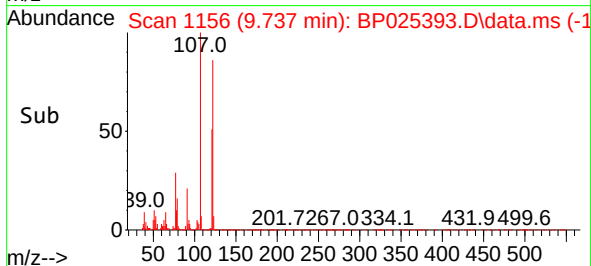
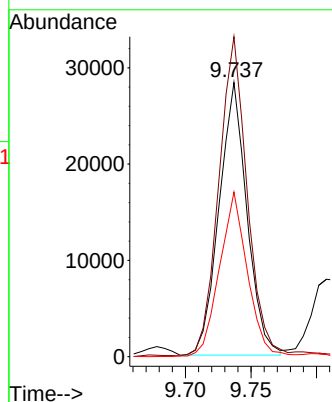
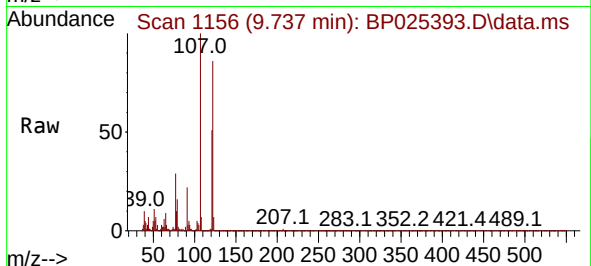




#27
2,4-Dimethylphenol
Concen: 4.861 ng
RT: 9.737 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

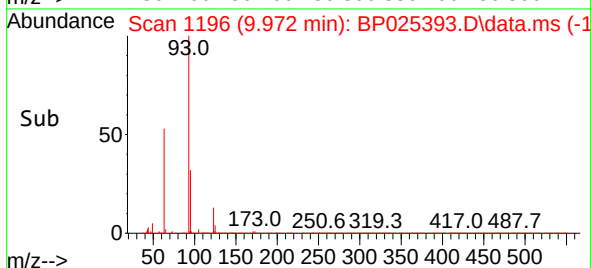
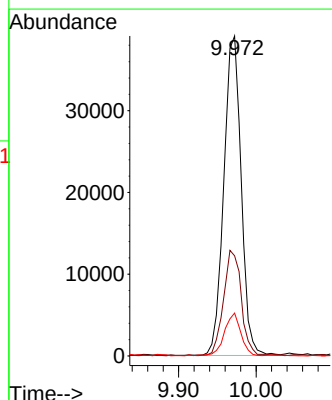
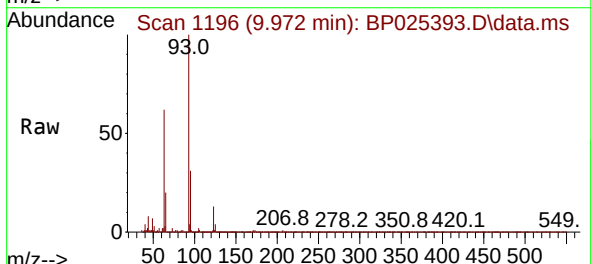
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

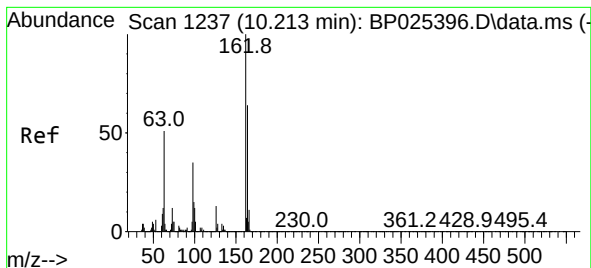
Tgt Ion:122 Resp: 41790
Ion Ratio Lower Upper
122 100
107 116.7 93.7 140.5
121 60.0 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 5.233 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 61017
Ion Ratio Lower Upper
93 100
95 31.3 25.4 38.0
123 13.4 9.4 14.0

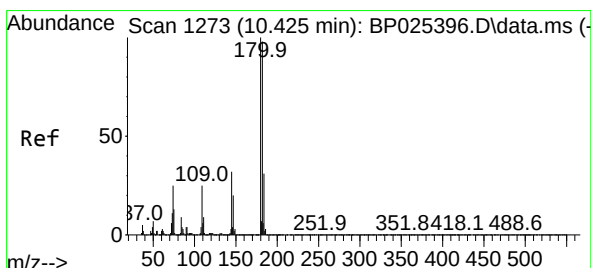
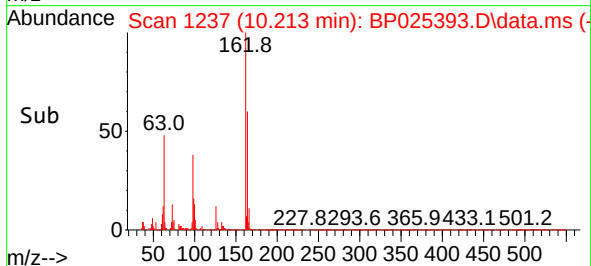
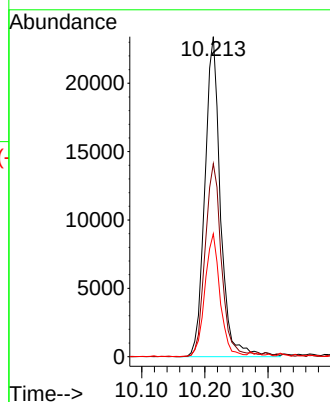
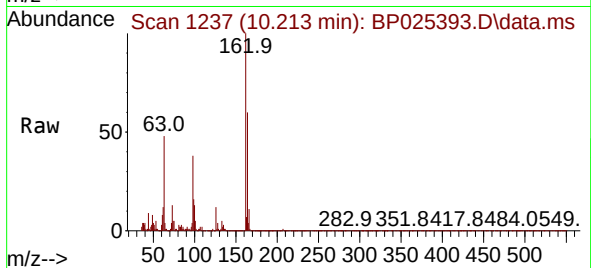




#29
2,4-Dichlorophenol
Concen: 4.723 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

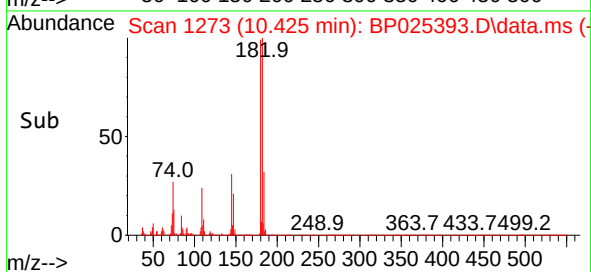
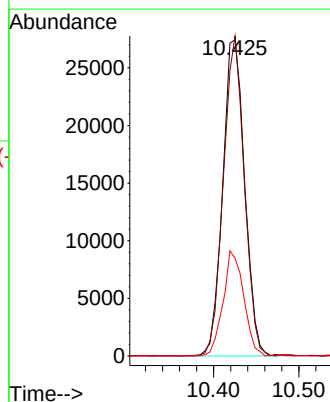
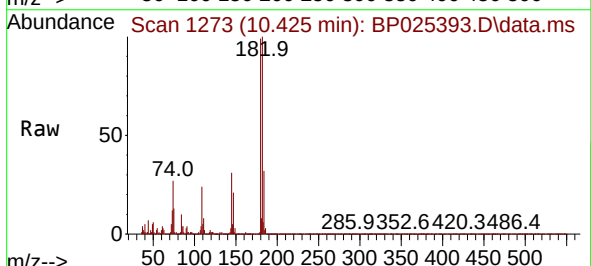
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

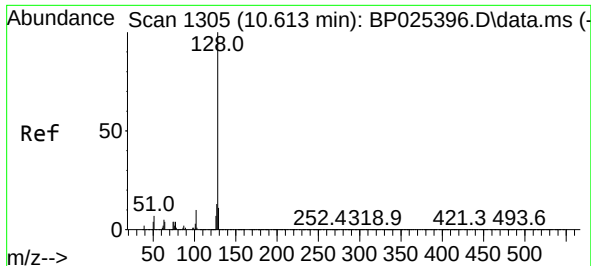
Tgt Ion:	162	Resp:	40336
Ion Ratio	Lower	Upper	
162	100		
164	60.3	44.4	84.4
98	38.4	14.9	54.9



#30
1,2,4-Trichlorobenzene
Concen: 5.259 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	180	Resp:	49237
Ion Ratio	Lower	Upper	
180	100		
182	101.2	78.0	117.0
145	30.9	25.9	38.9

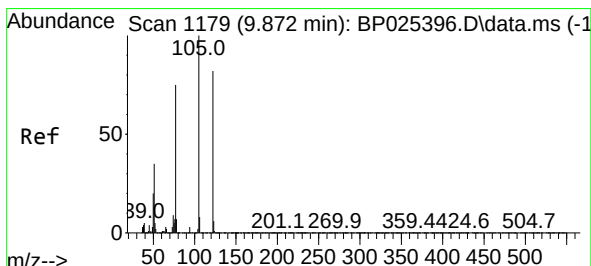
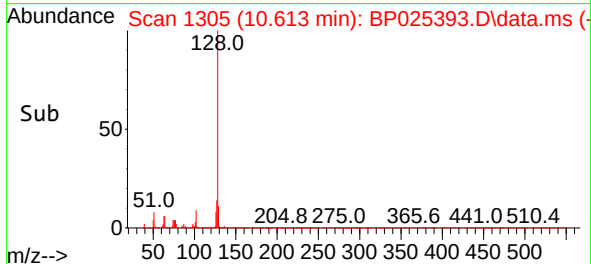
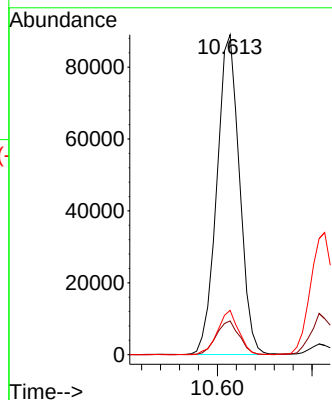
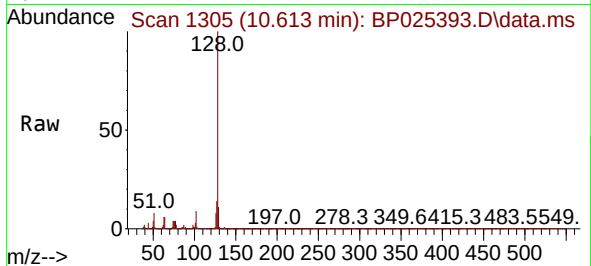




#31
Naphthalene
Concen: 5.141 ng
RT: 10.613 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

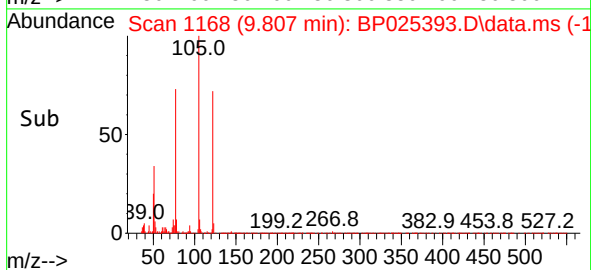
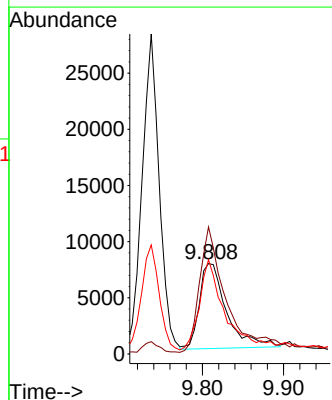
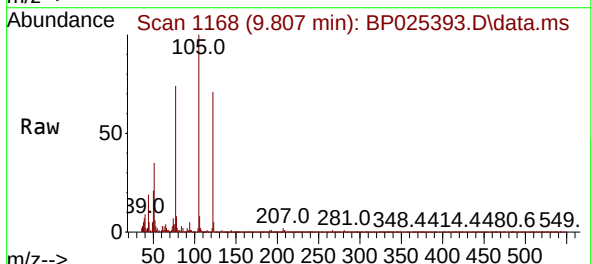
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

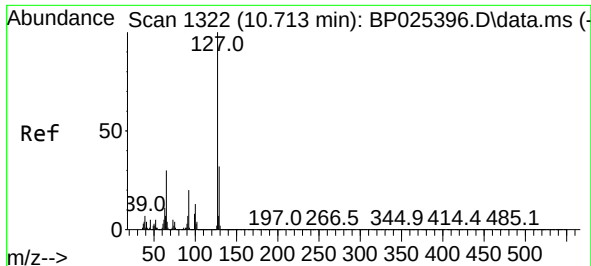
Tgt Ion:128 Resp: 147346
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.9 10.7 16.1



#32
Benzoic acid
Concen: 2.788 ng
RT: 9.807 min Scan# 1168
Delta R.T. -0.065 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:122 Resp: 17656
Ion Ratio Lower Upper
122 100
105 140.5 100.6 140.6
77 104.3 71.5 111.5

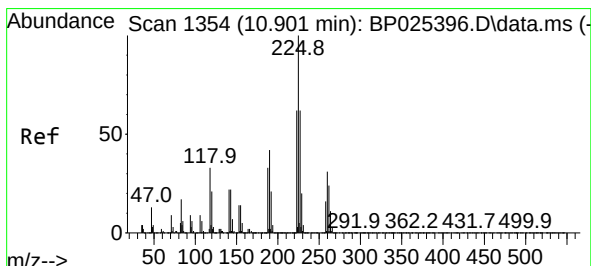
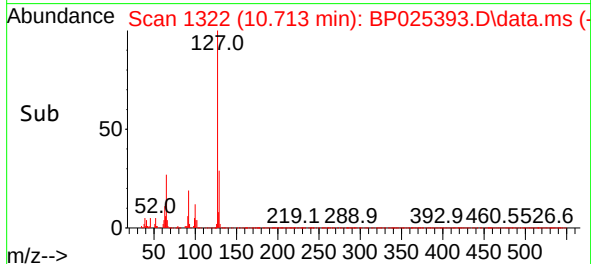
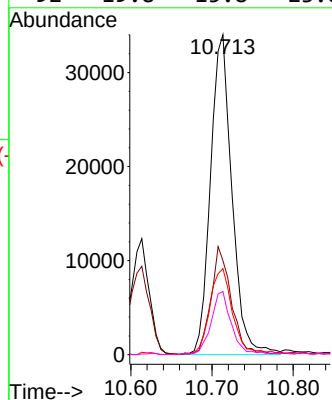
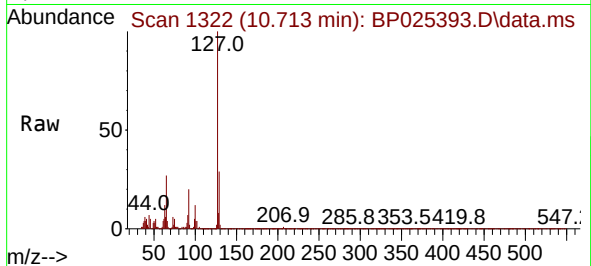




#33
4-Chloroaniline
Concen: 4.933 ng
RT: 10.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

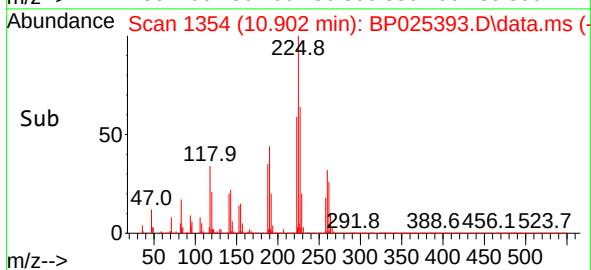
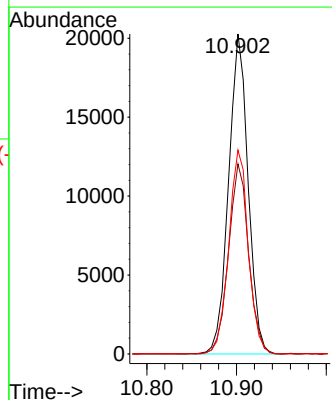
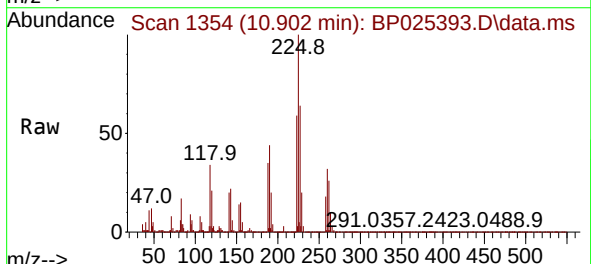
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

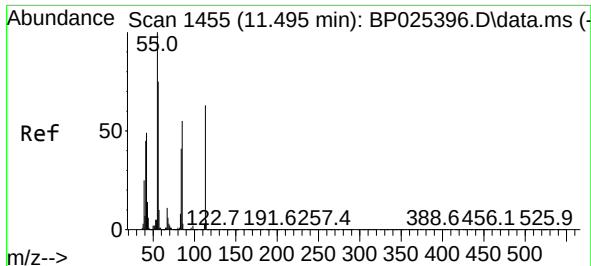
Tgt Ion:	127	Resp:	62452
Ion	Ratio	Lower	Upper
127	100		
129	29.4	25.4	38.2
65	26.9	23.8	35.6
92	19.8	15.8	23.8



#34
Hexachlorobutadiene
Concen: 5.241 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	225	Resp:	30559
Ion	Ratio	Lower	Upper
225	100		
223	59.4	50.0	75.0
227	66.3	49.7	74.5

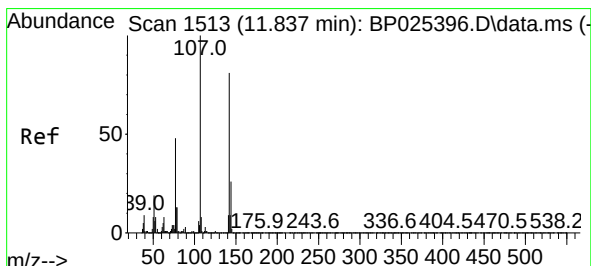
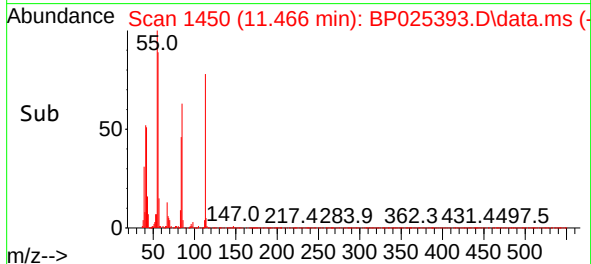
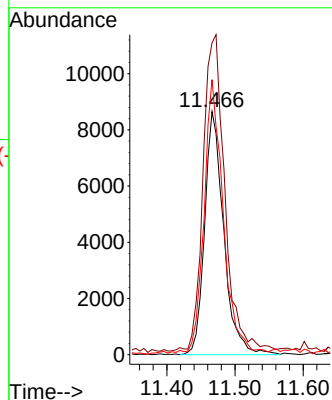
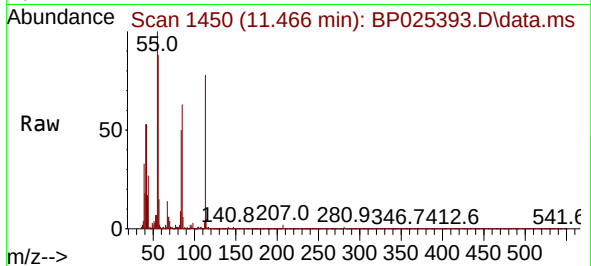




#35
Caprolactam
Concen: 5.393 ng
RT: 11.466 min Scan# 1455
Delta R.T. -0.029 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

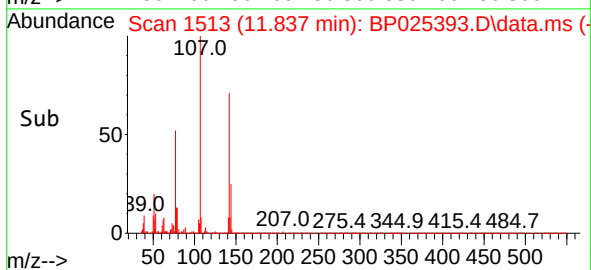
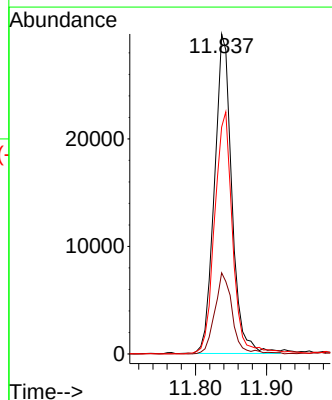
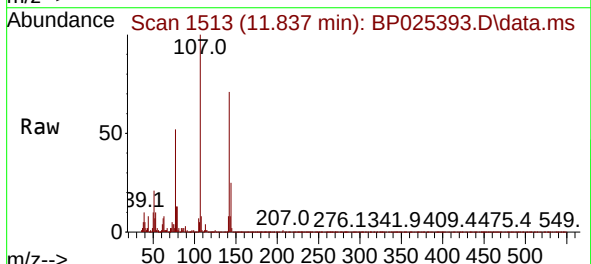
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

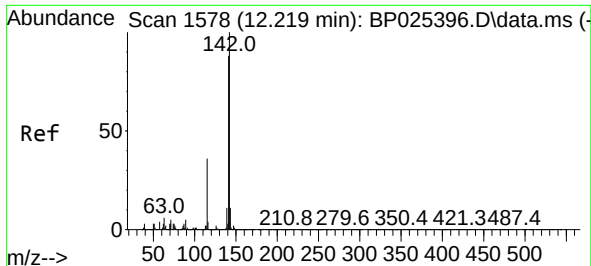
Tgt Ion:113 Resp: 16890
Ion Ratio Lower Upper
113 100
55 128.3 140.0 180.0#
56 113.2 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 5.154 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:107 Resp: 50515
Ion Ratio Lower Upper
107 100
144 25.4 21.0 31.4
142 70.9 64.6 97.0

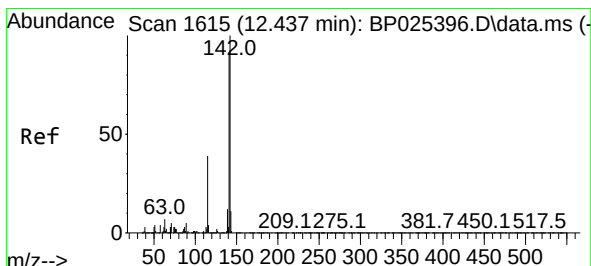
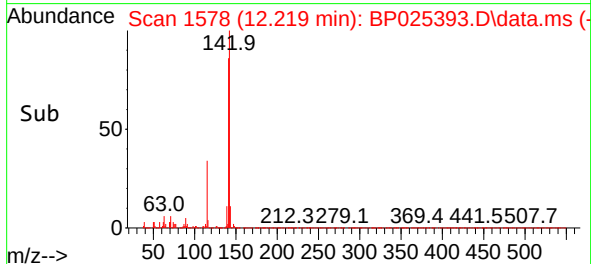
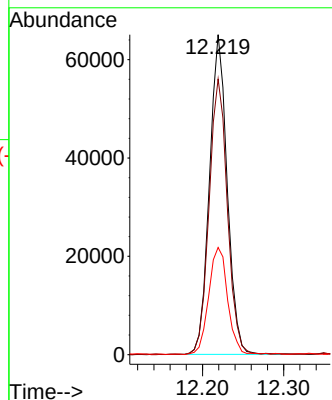
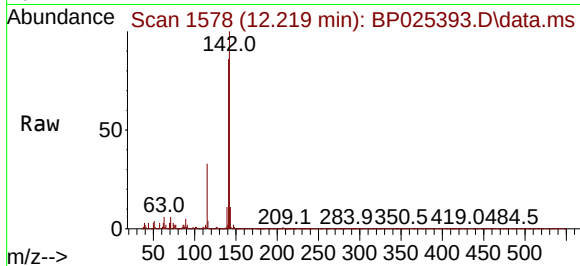




#37
2-Methylnaphthalene
Concen: 5.289 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

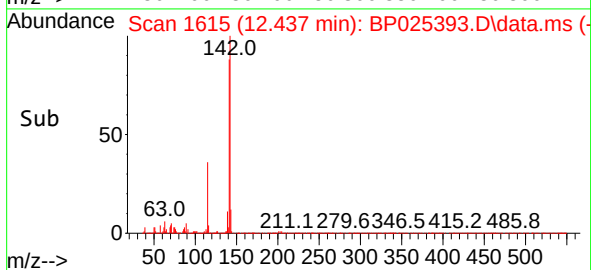
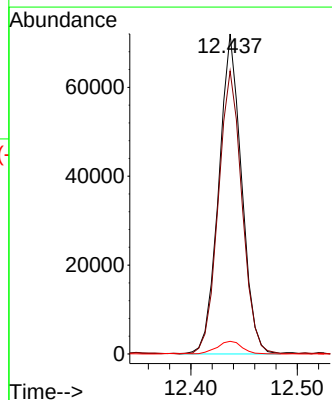
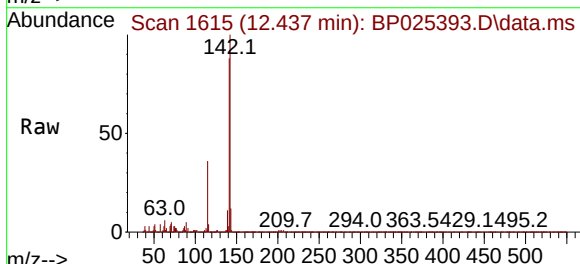
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

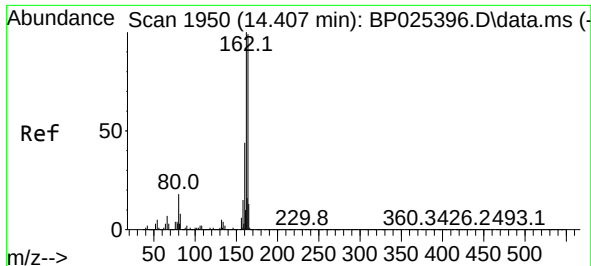
Tgt Ion:	142	Resp:	98648
Ion Ratio	Lower	Upper	
142	100		
141	86.1	70.3	105.5
115	33.5	28.9	43.3



#38
1-Methylnaphthalene
Concen: 5.397 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	142	Resp:	107044
Ion Ratio	Lower	Upper	
142	100		
141	88.4	73.1	109.7
116	3.9	3.2	4.8

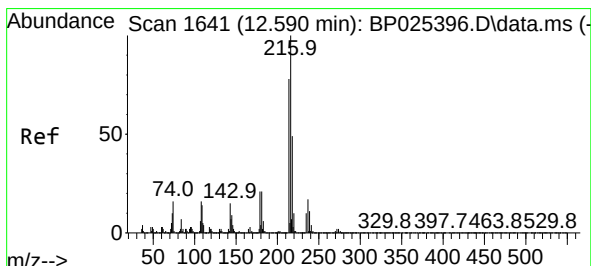
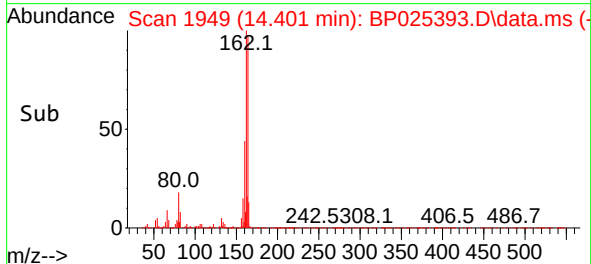
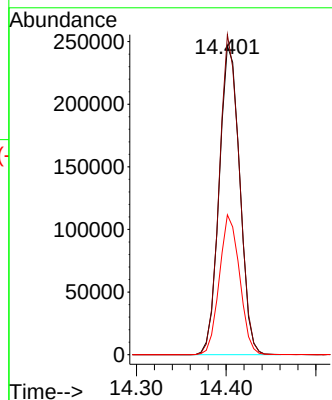
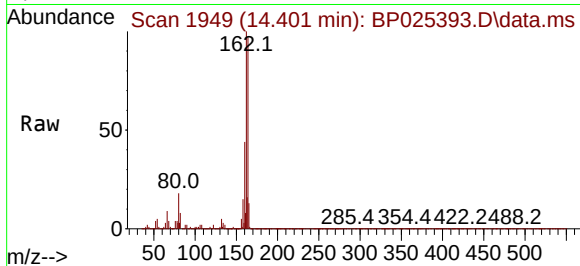




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

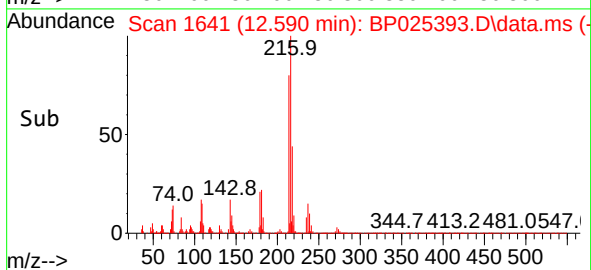
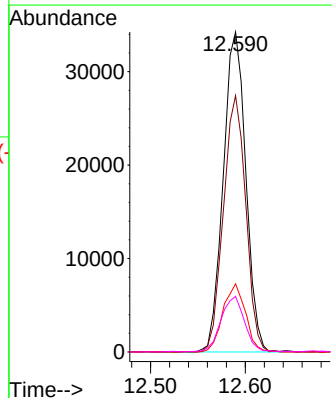
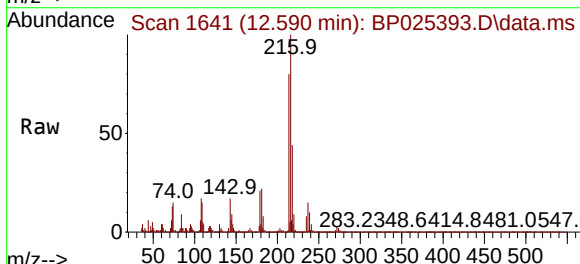
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

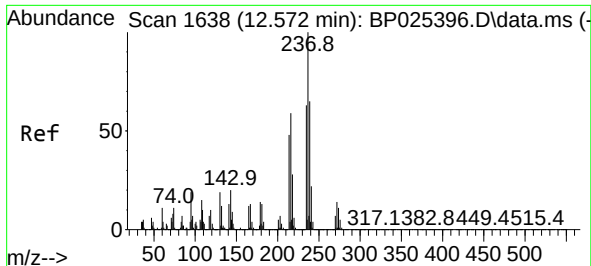
Tgt Ion:164 Resp: 392376
Ion Ratio Lower Upper
164 100
162 103.6 81.0 121.6
160 45.3 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.001 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:216 Resp: 56676
Ion Ratio Lower Upper
216 100
214 79.1 63.0 94.4
179 21.3 17.1 25.7
108 18.2 14.9 22.3

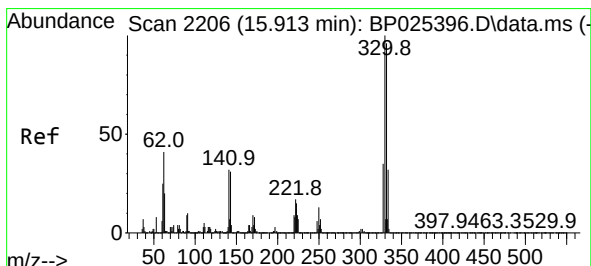
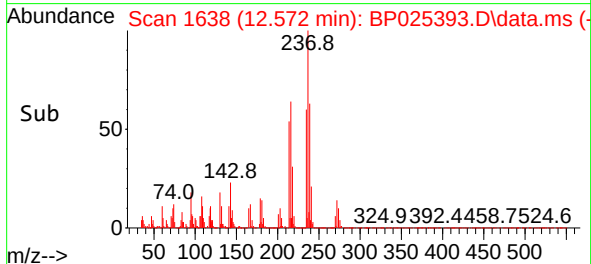
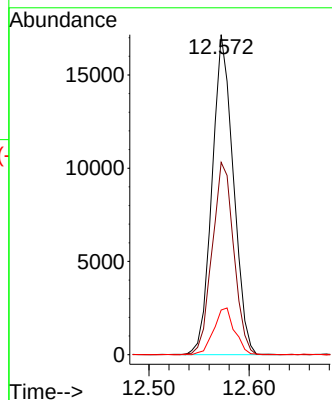
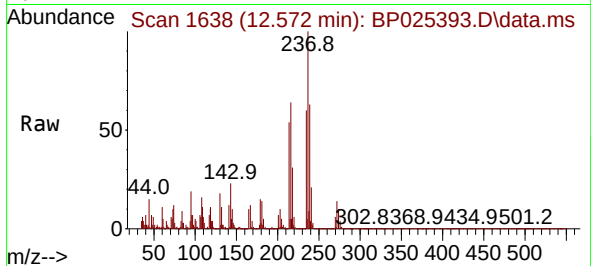




#41
Hexachlorocyclopentadiene
Concen: 3.688 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

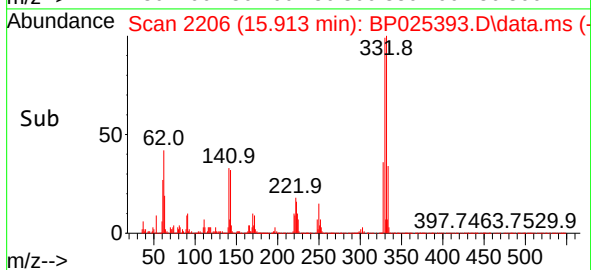
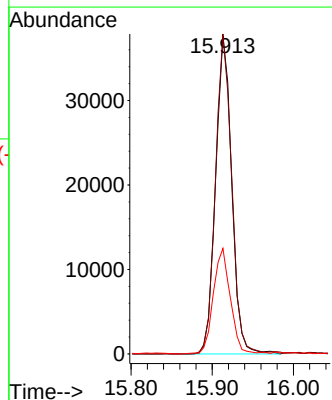
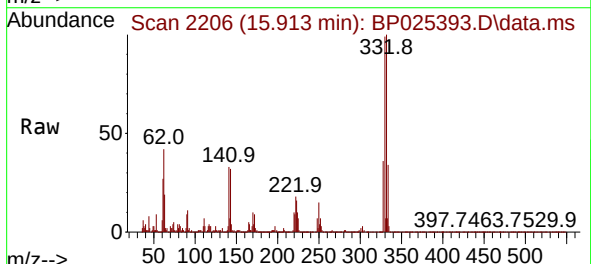
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

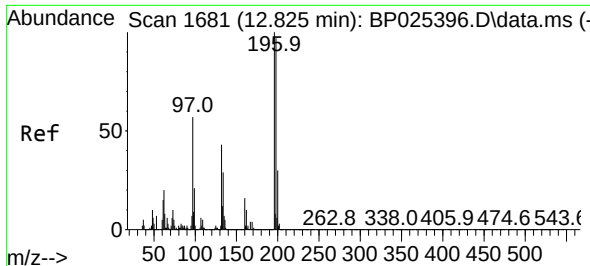
Tgt Ion:	237	Resp:	25243
Ion Ratio	Lower	Upper	
237	100		
235	60.1	42.7	82.7
272	13.9	0.0	34.0



#42
2,4,6-Tribromophenol
Concen: 9.881 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	330	Resp:	52188
Ion Ratio	Lower	Upper	
330	100		
332	100.4	77.3	115.9
141	34.9	26.6	39.8

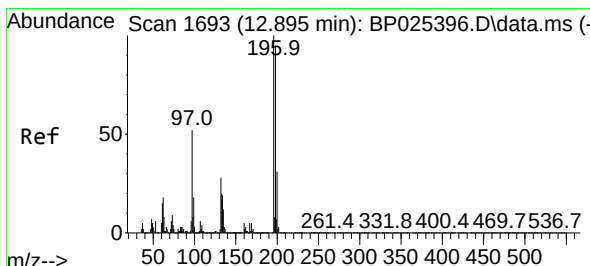
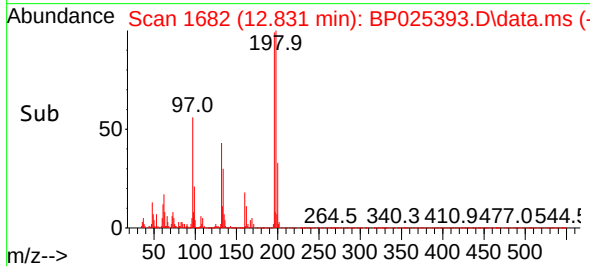
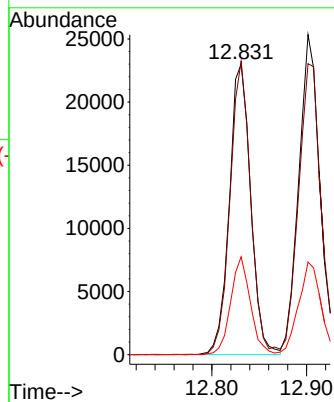
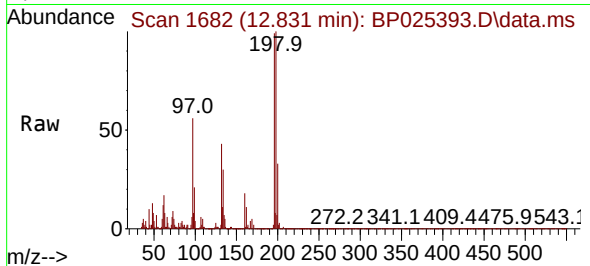




#43
2,4,6-Trichlorophenol
Concen: 4.718 ng
RT: 12.831 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

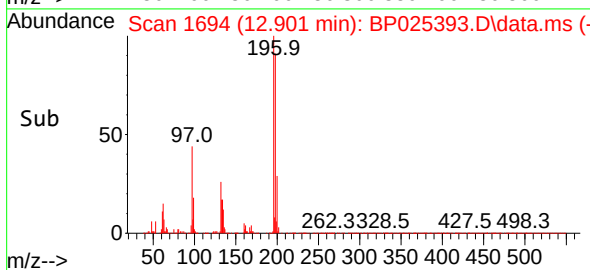
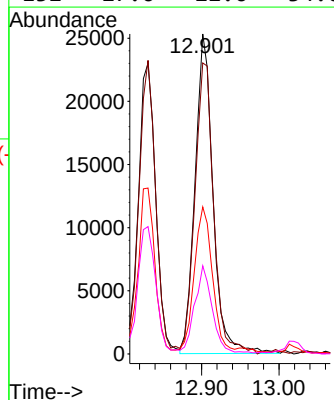
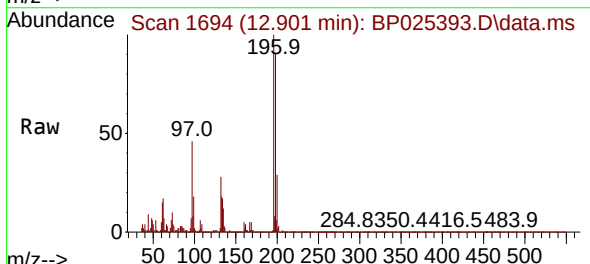
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

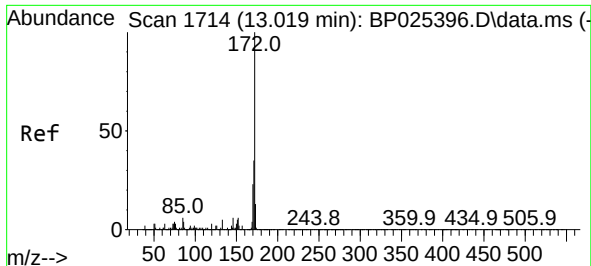
Tgt Ion:196 Resp: 36093
Ion Ratio Lower Upper
196 100
198 101.0 77.2 115.8
200 33.7 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 4.875 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:196 Resp: 40875
Ion Ratio Lower Upper
196 100
198 91.0 76.2 114.2
97 46.0 41.2 61.8
132 27.6 22.6 34.0

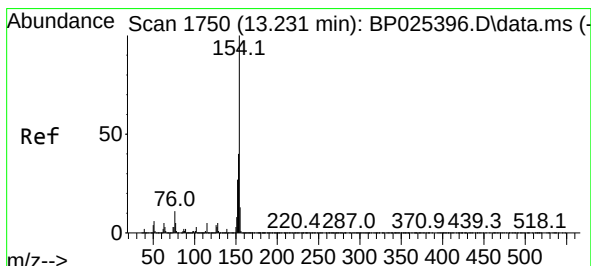
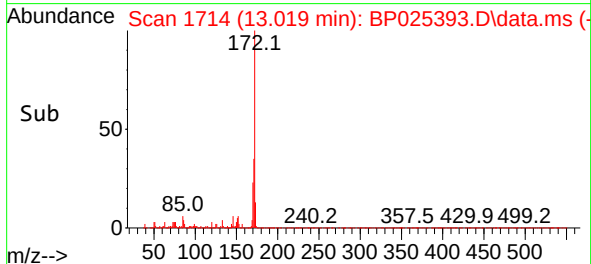
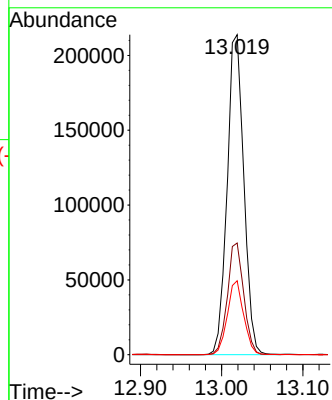
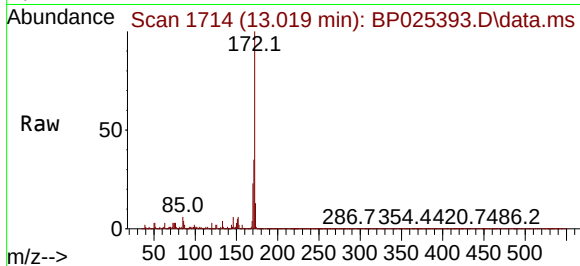




#45
2-Fluorobiphenyl
Concen: 10.649 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

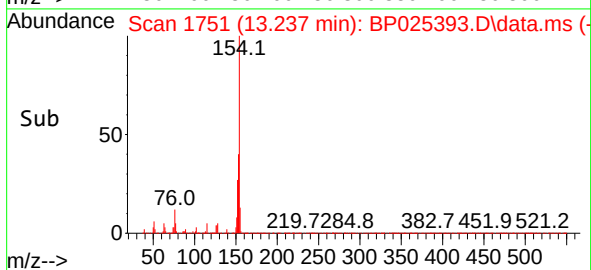
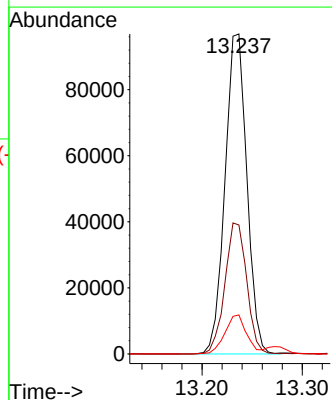
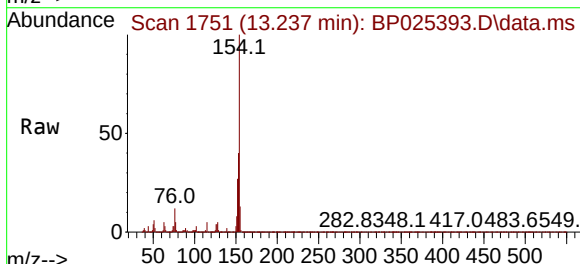
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

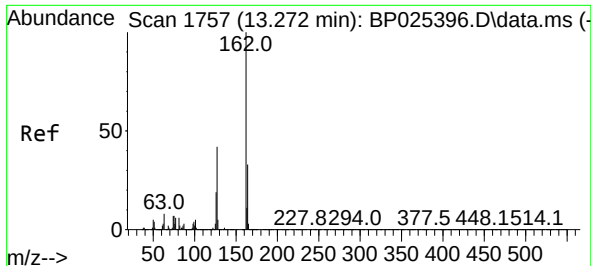
Tgt Ion:172 Resp: 305742
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.1 18.6 28.0



#46
1,1'-Biphenyl
Concen: 5.146 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:154 Resp: 146651
Ion Ratio Lower Upper
154 100
153 40.3 19.5 59.5
76 12.2 0.0 31.1





#47

2-Chloronaphthalene

Concen: 5.094 ng

RT: 13.272 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

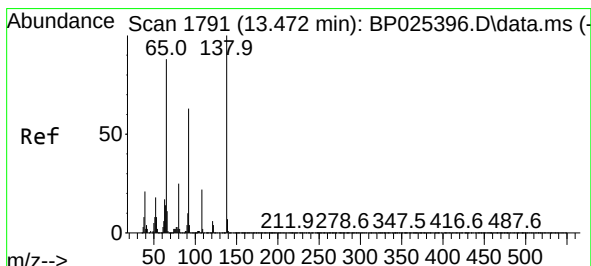
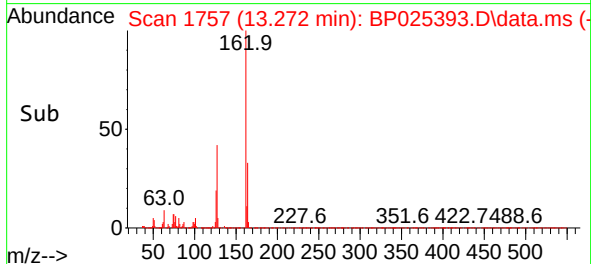
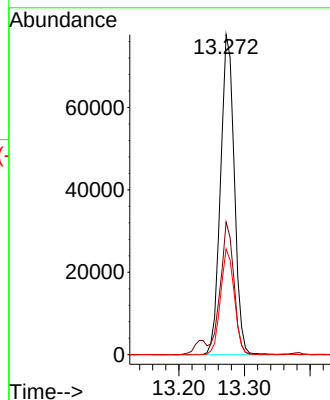
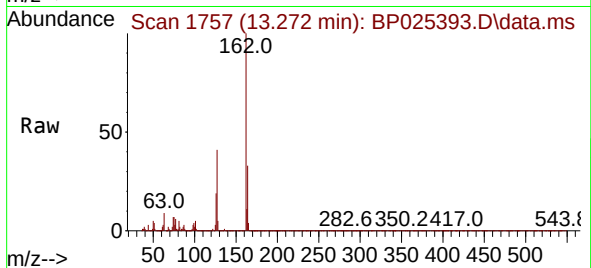
Tgt Ion:162 Resp: 113015

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 33.0 26.2 39.2



#48

2-Nitroaniline

Concen: 4.568 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

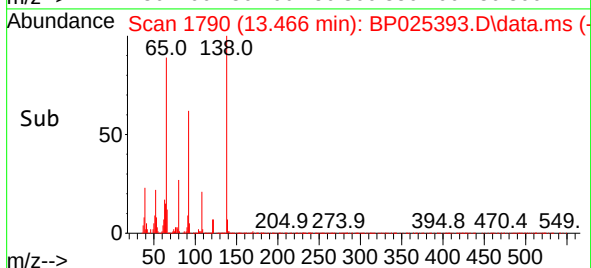
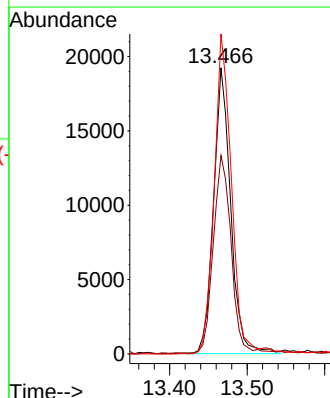
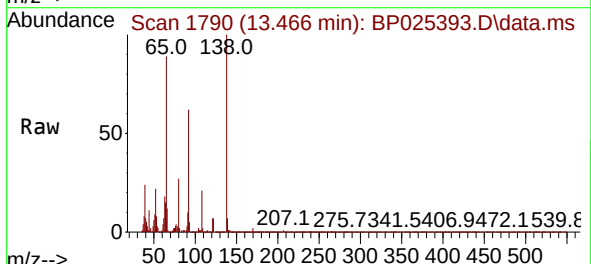
Tgt Ion: 65 Resp: 29527

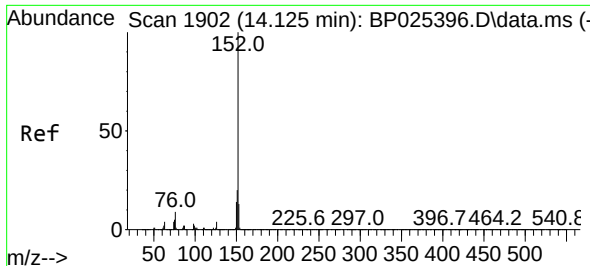
Ion Ratio Lower Upper

65 100

92 69.3 57.6 86.4

138 111.8 91.0 136.6

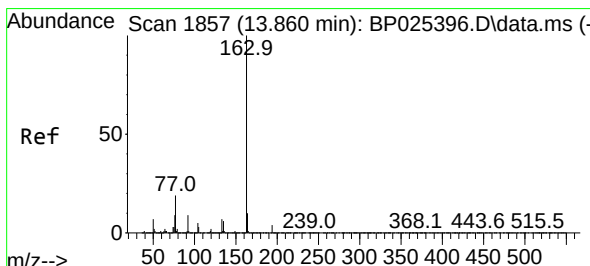
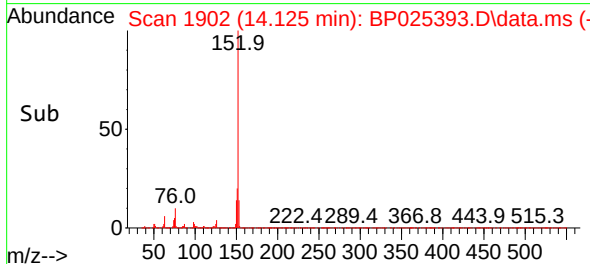
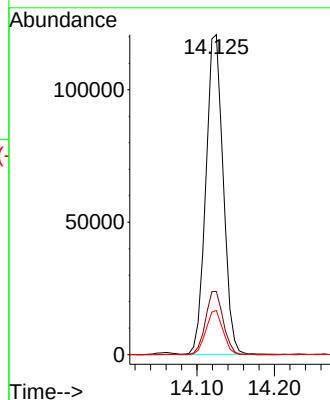
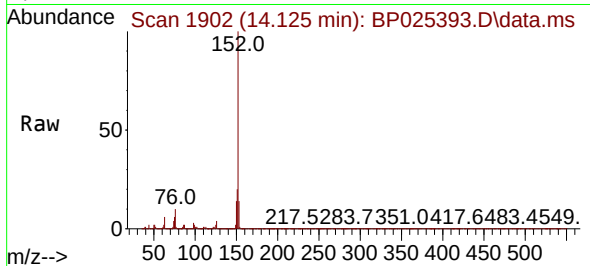




#49
Acenaphthylene
Concen: 5.095 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

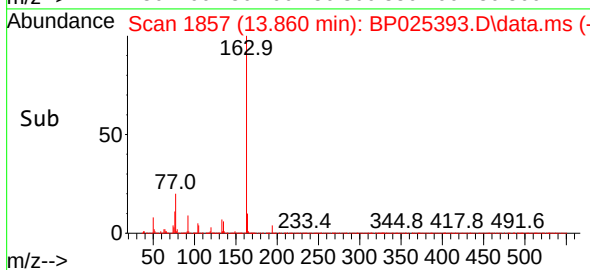
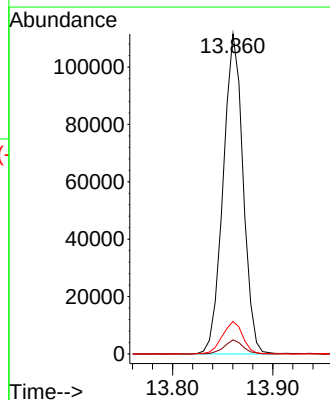
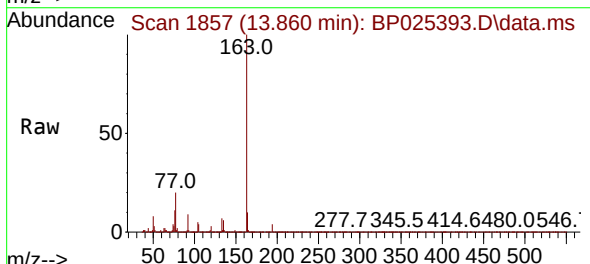
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

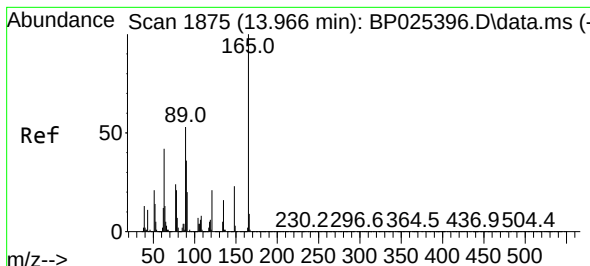
Tgt Ion:	152	Resp:	187026
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.0	24.0
153	13.8	10.6	15.8



#50
Dimethylphthalate
Concen: 5.355 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	163	Resp:	153868
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.0
164	10.1	7.9	11.9

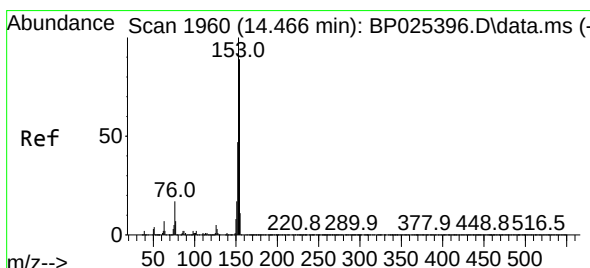
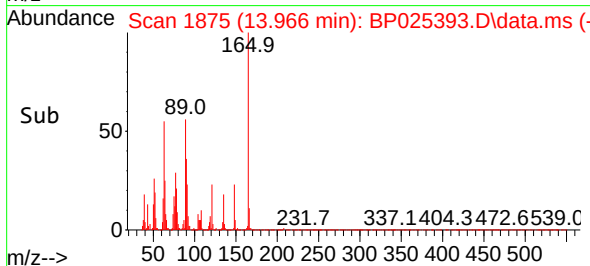
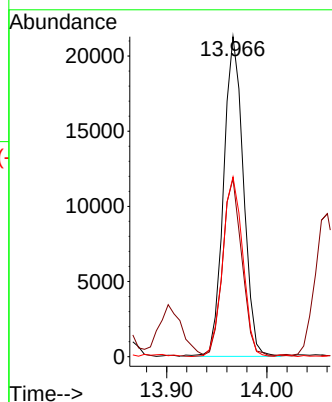
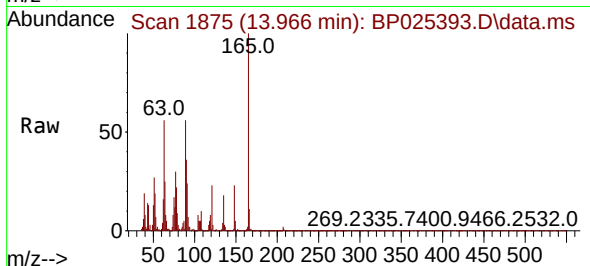




#51
2,6-Dinitrotoluene
Concen: 4.803 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

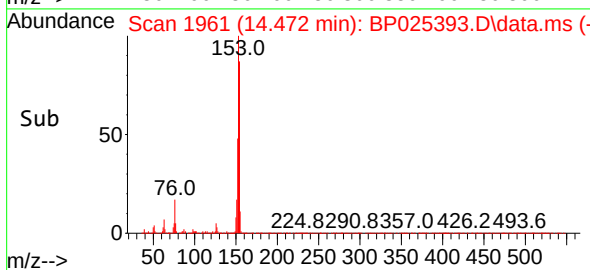
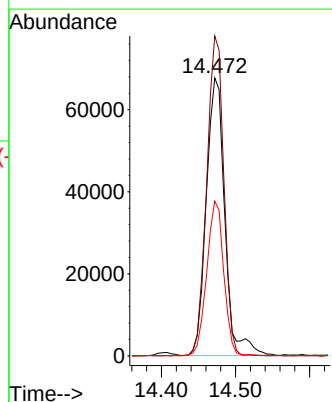
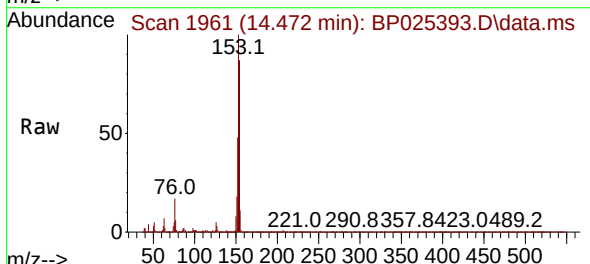
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

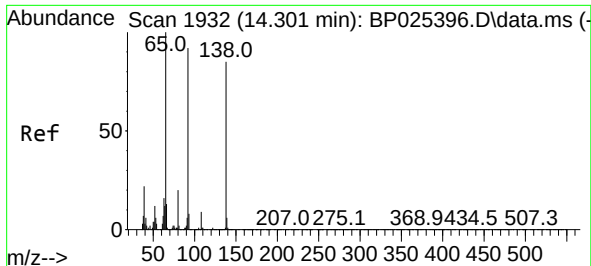
Tgt Ion:	165	Resp:	29088
Ion Ratio	Lower	Upper	
165	100		
63	55.7	40.9	61.3
89	56.2	42.1	63.1



#52
Acenaphthene
Concen: 5.460 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	154	Resp:	117653
Ion Ratio	Lower	Upper	
154	100		
153	115.1	90.2	135.2
152	55.7	42.1	63.1

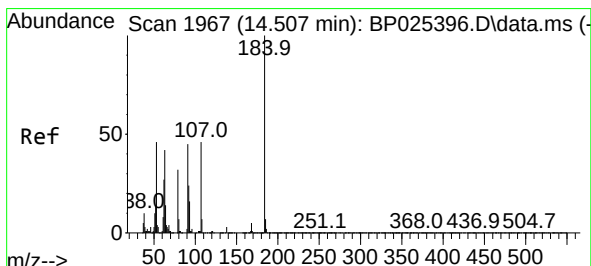
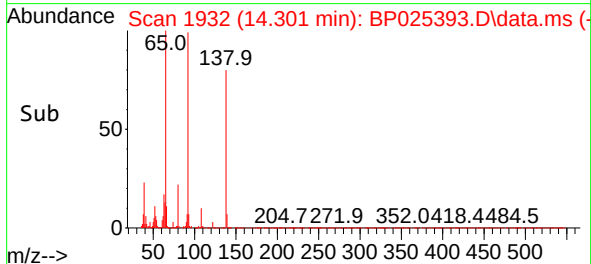
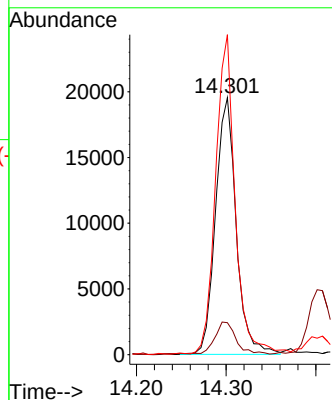
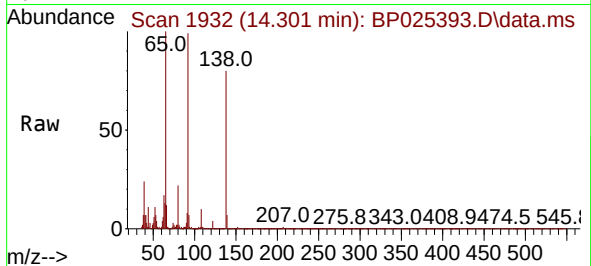




#53
3-Nitroaniline
Concen: 4.583 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

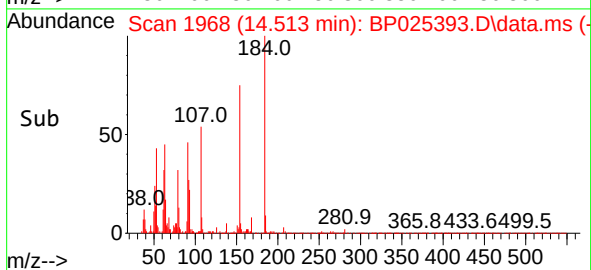
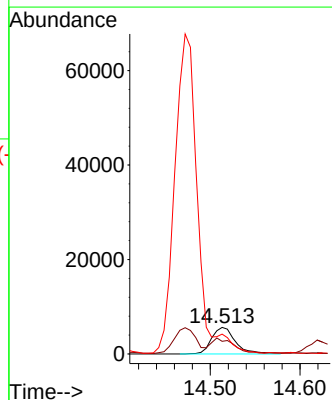
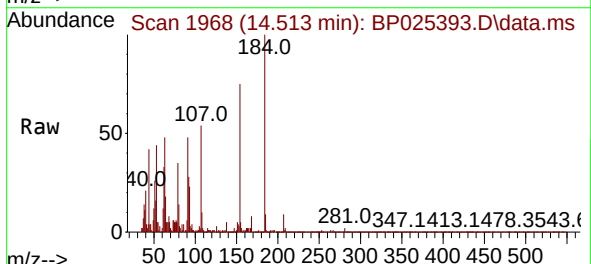
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

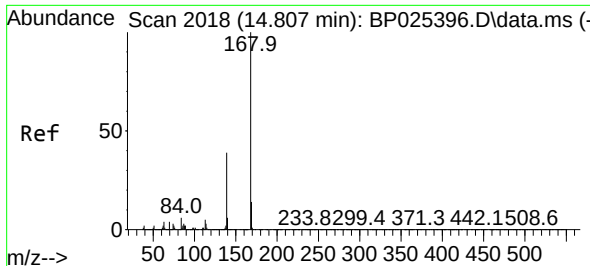
Tgt Ion:138 Resp: 31224
Ion Ratio Lower Upper
138 100
108 12.5 8.3 12.5
92 124.5 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 3.228 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:184 Resp: 10441
Ion Ratio Lower Upper
184 100
63 47.6 49.4 74.2#
154 74.9 54.6 82.0

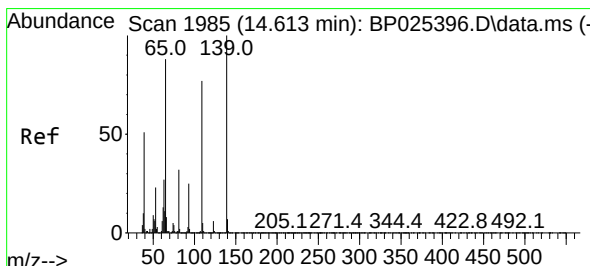
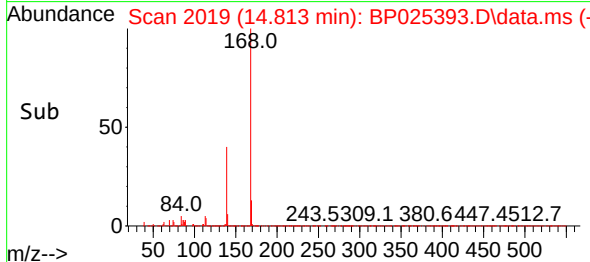
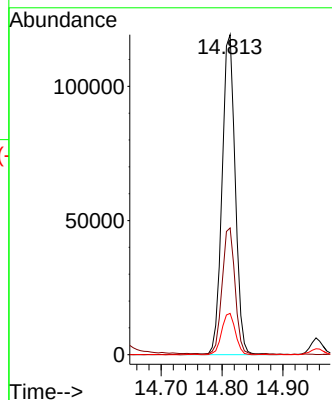
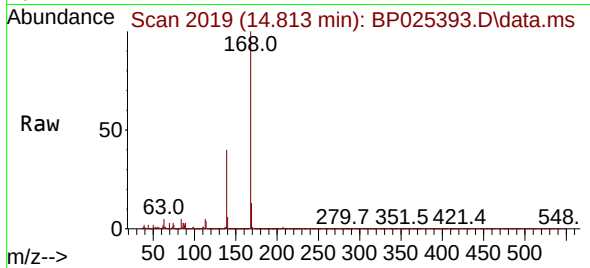




#55
Dibenzofuran
Concen: 5.240 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

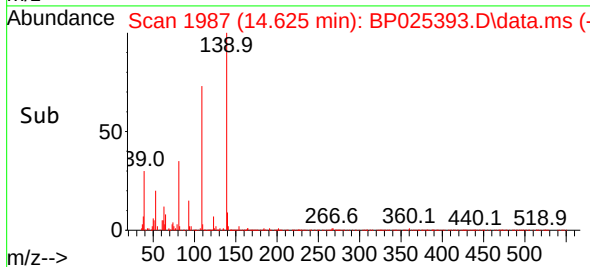
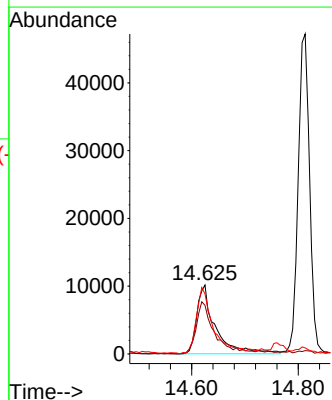
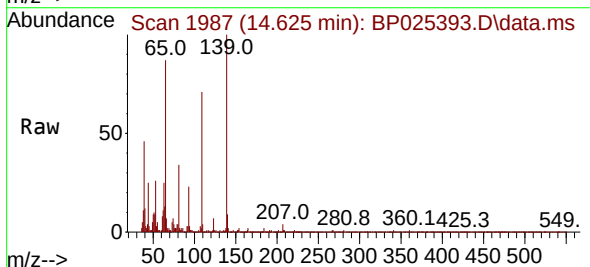
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

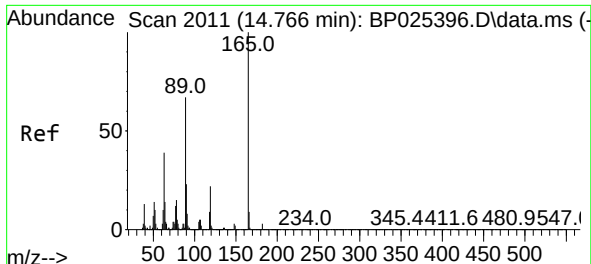
Tgt Ion:168 Resp: 178494
Ion Ratio Lower Upper
168 100
139 39.6 31.5 47.3
169 12.9 10.9 16.3



#56
4-Nitrophenol
Concen: 4.379 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:139 Resp: 24517
Ion Ratio Lower Upper
139 100
109 70.6 56.6 96.6
65 86.9 68.2 108.2

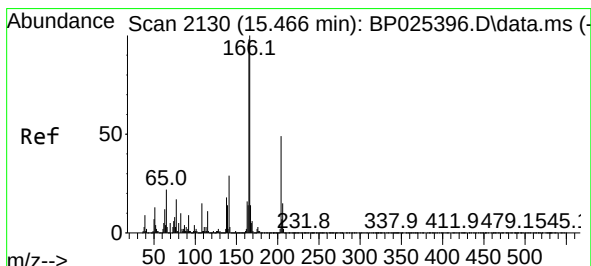
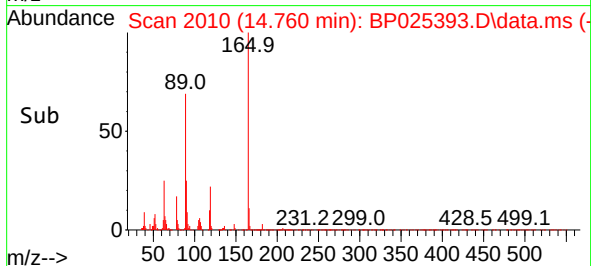
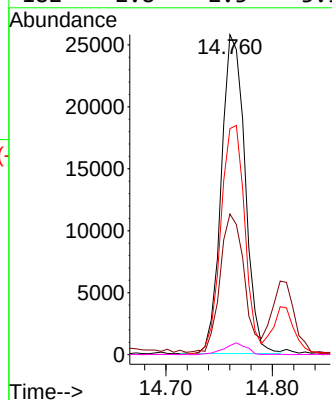
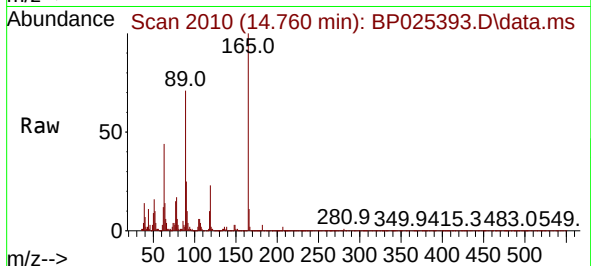




#57
2,4-Dinitrotoluene
Concen: 4.590 ng
RT: 14.760 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

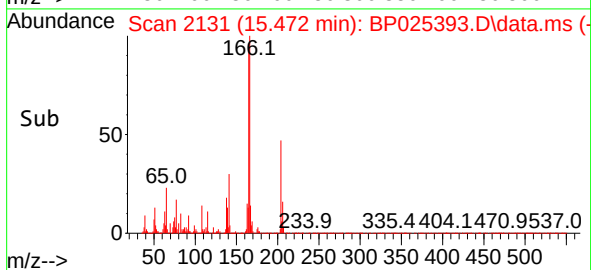
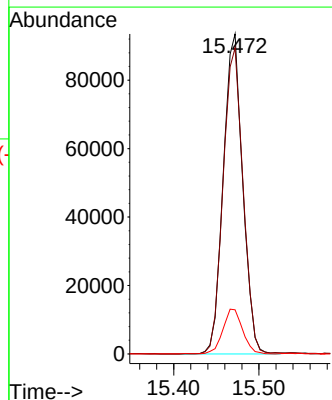
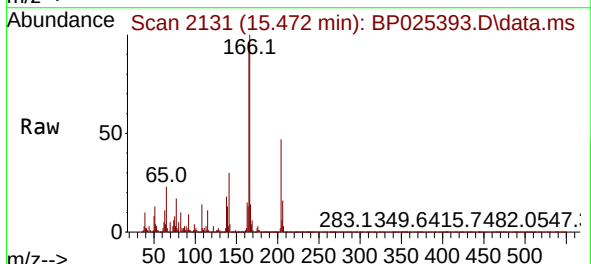
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

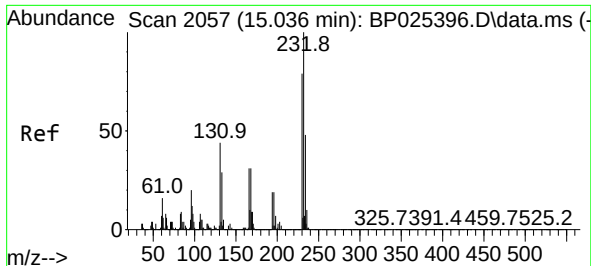
Tgt Ion:	165	Resp:	39658
Ion	Ratio	Lower	Upper
165	100		
63	43.9	31.4	47.2
89	70.6	53.3	79.9
182	2.8	2.3	3.5



#58
Fluorene
Concen: 5.497 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	166	Resp:	147760
Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.8	118.2
167	13.8	11.0	16.4

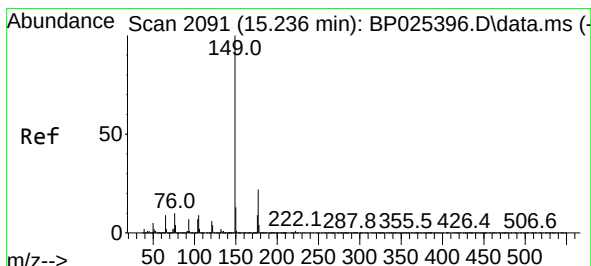
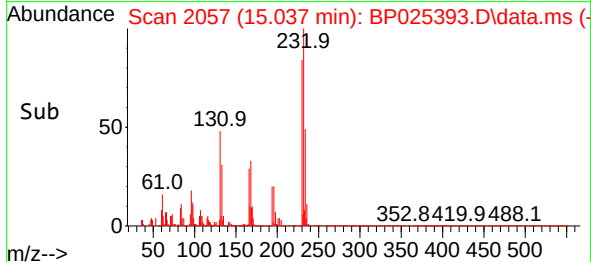
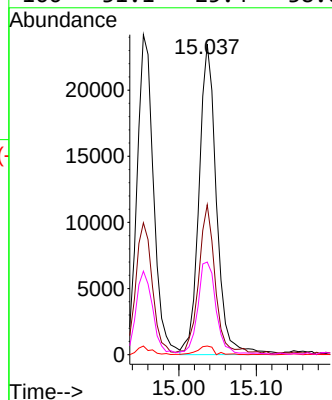
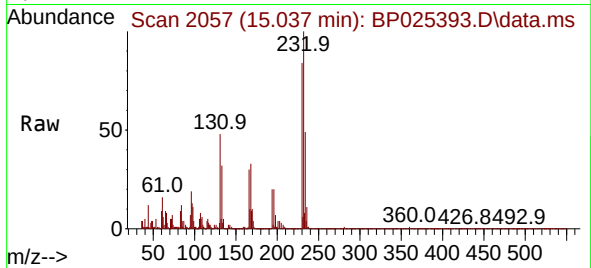




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.968 ng
RT: 15.037 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

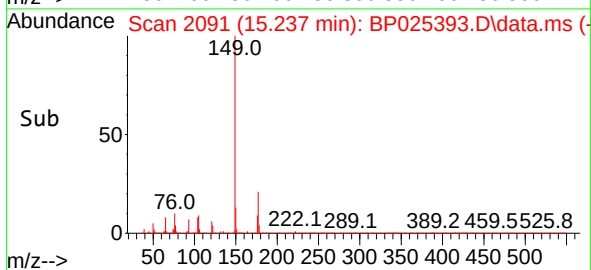
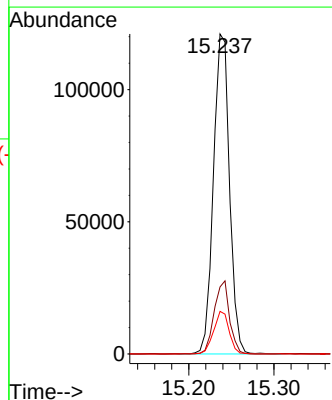
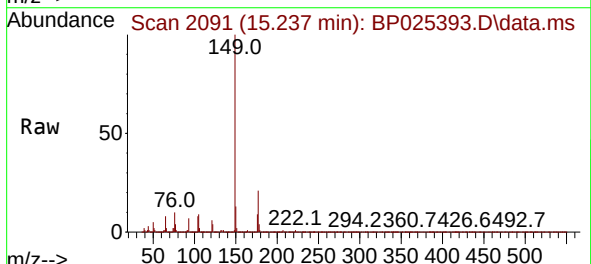
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

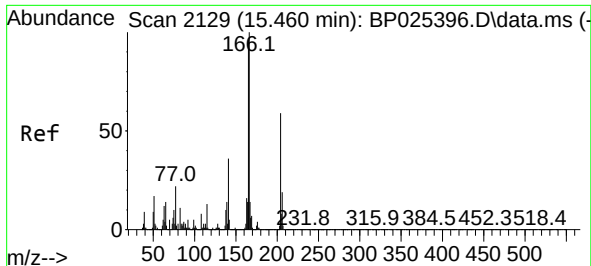
Tgt Ion:232	Resp:	36779
Ion Ratio	Lower	Upper
232	100	
131	46.0	37.0 55.6
130	2.7	1.9 2.9
166	31.1	25.4 38.0



#60
Diethylphthalate
Concen: 5.426 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149	Resp:	158426
Ion Ratio	Lower	Upper
149	100	
177	20.9	17.3 25.9
150	13.3	10.3 15.5

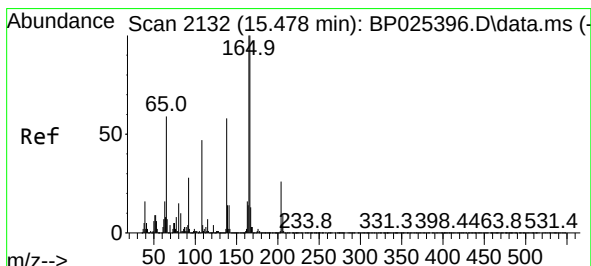
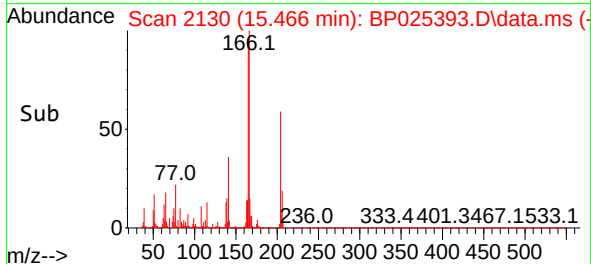
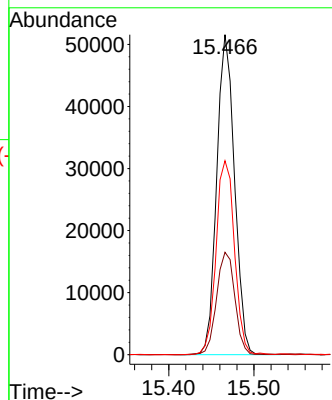
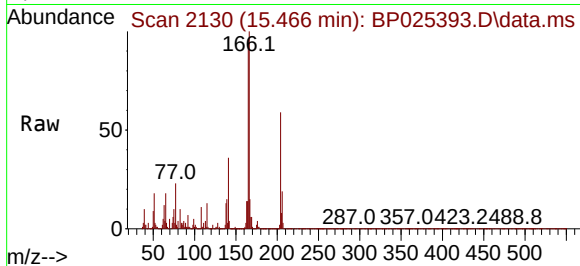




#61
4-Chlorophenyl-phenylether
Concen: 5.583 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

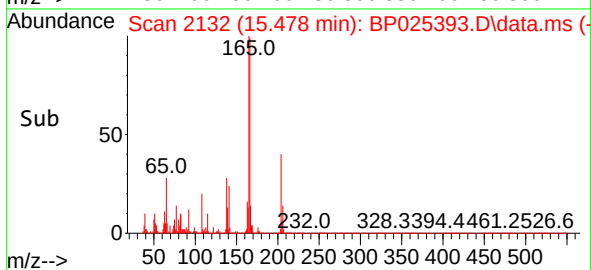
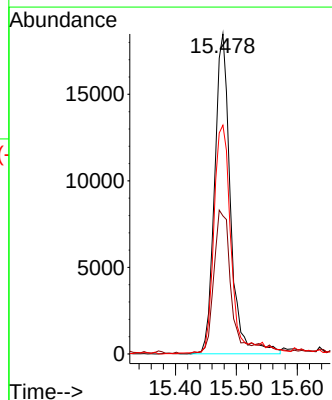
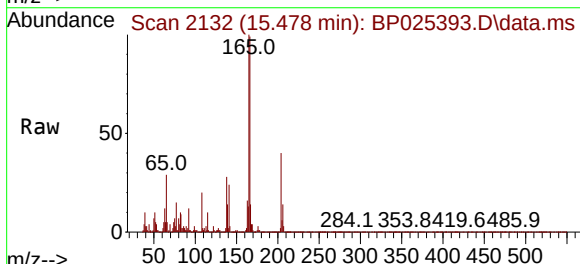
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

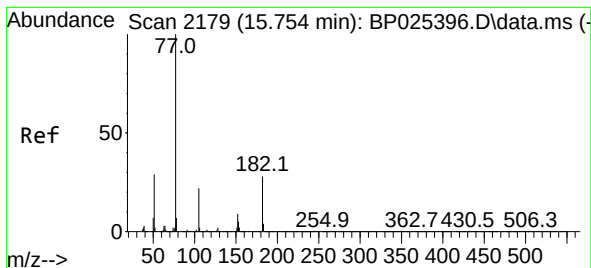
Tgt Ion:204 Resp: 74636
Ion Ratio Lower Upper
204 100
206 32.0 25.8 38.8
141 60.6 49.4 74.2



#62
4-Nitroaniline
Concen: 4.791 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:138 Resp: 33466
Ion Ratio Lower Upper
138 100
92 43.2 29.1 69.1
108 71.5 61.5 101.5

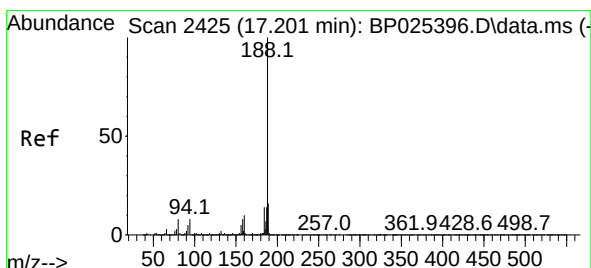
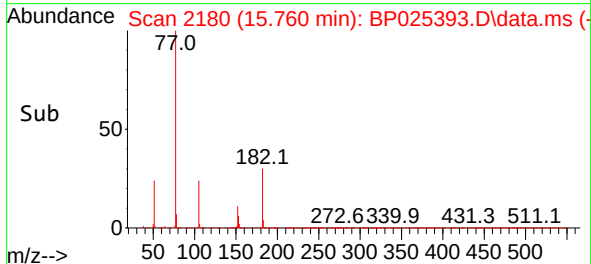
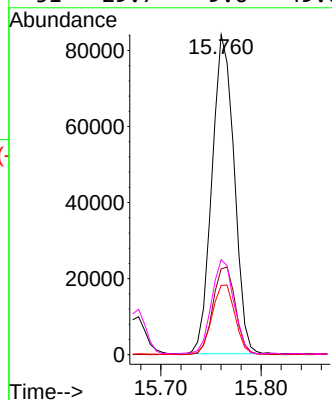
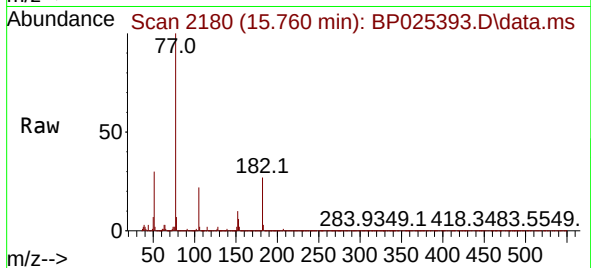




#63
Azobenzene
Concen: 5.159 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

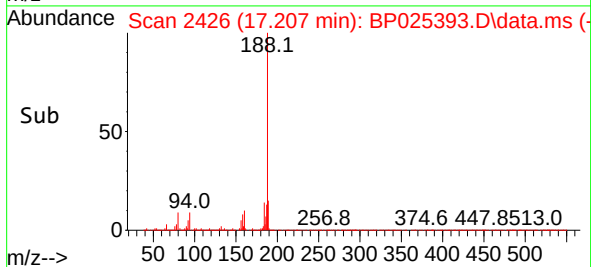
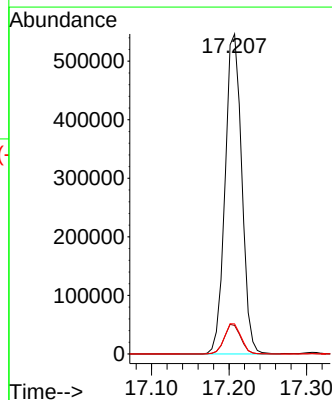
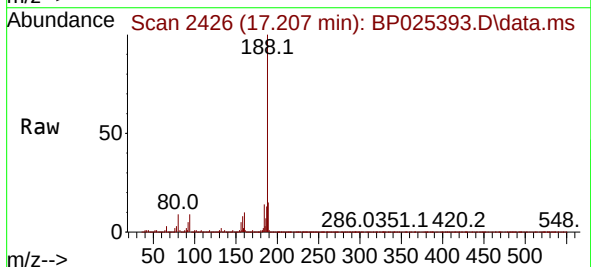
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

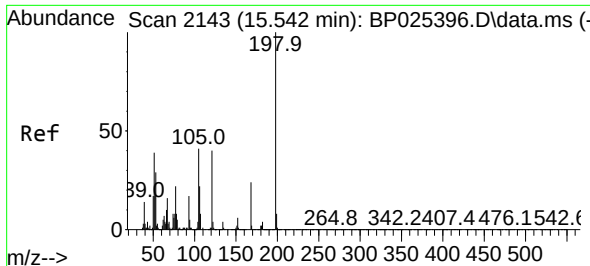
Tgt Ion: 77	Resp: 128978
Ion Ratio	Lower Upper
77 100	
182 26.8	7.5 47.5
105 21.6	2.1 42.1
51 29.7	9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:188	Resp: 816331
Ion Ratio	Lower Upper
188 100	
94 8.9	6.6 10.0
80 9.4	6.7 10.1

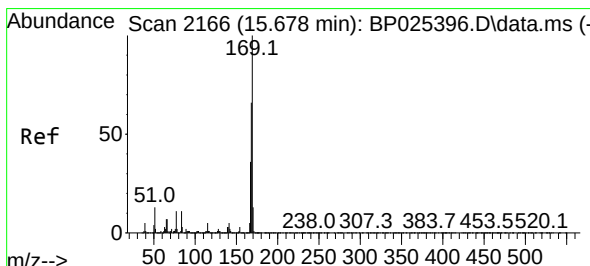
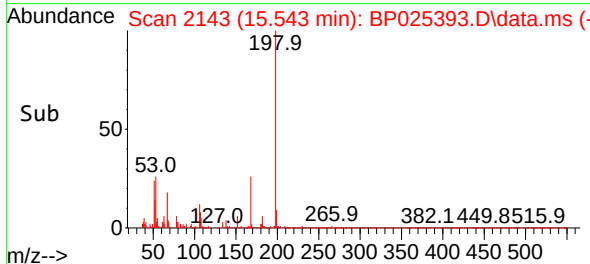
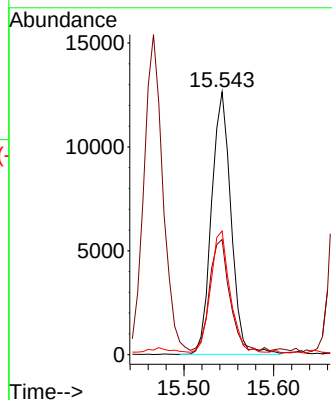
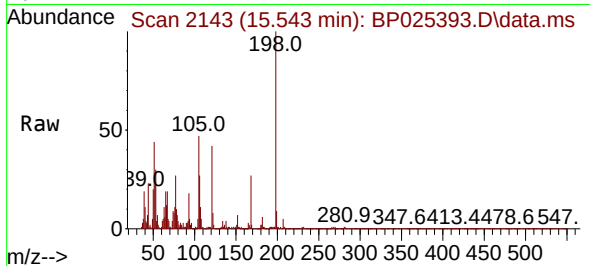




#65
4,6-Dinitro-2-methylphenol
Concen: 3.747 ng
RT: 15.543 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

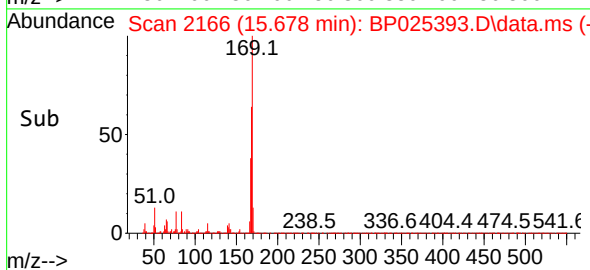
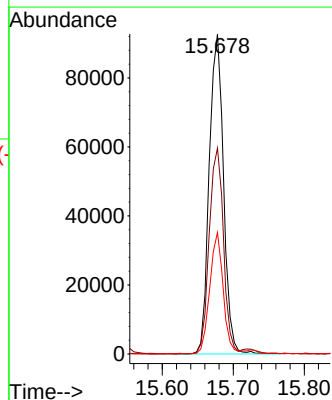
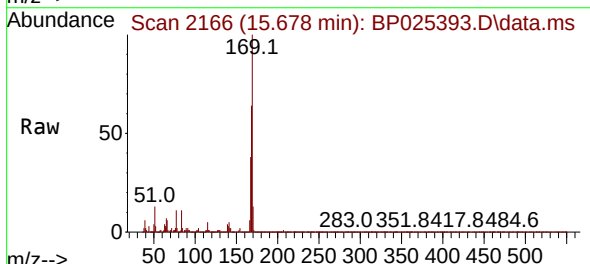
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

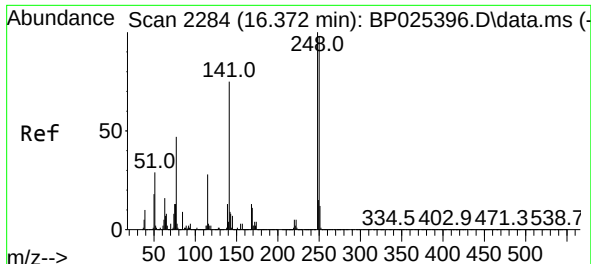
Tgt Ion:198	Resp:	19069
Ion Ratio	Lower	Upper
198	100	
51	43.8	19.6 59.6
105	47.0	20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 5.214 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:169	Resp:	129805
Ion Ratio	Lower	Upper
169	100	
168	64.3	53.2 79.8
167	38.0	28.7 43.1

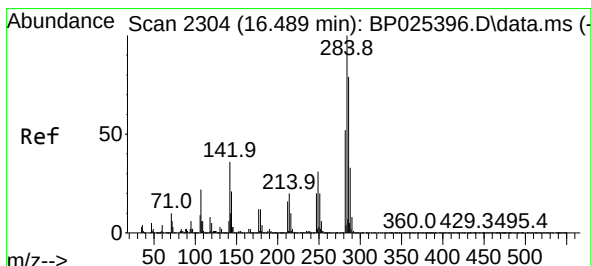
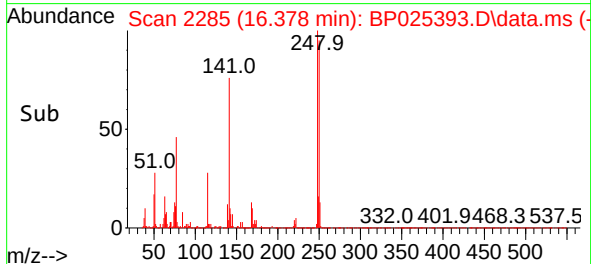
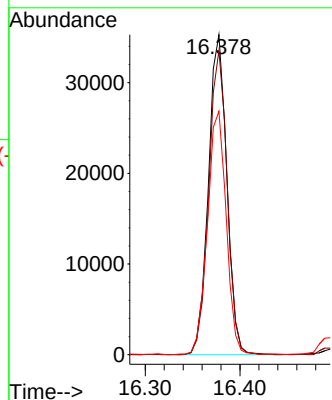
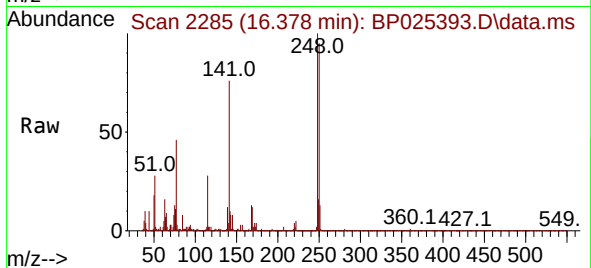




#67
4-Bromophenyl-phenylether
Concen: 5.299 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

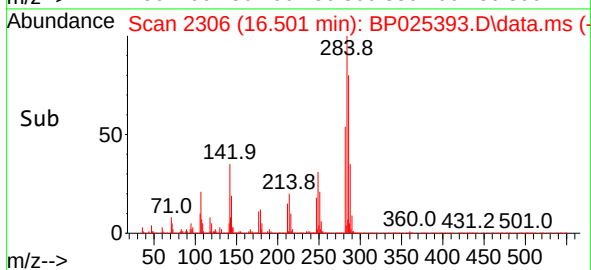
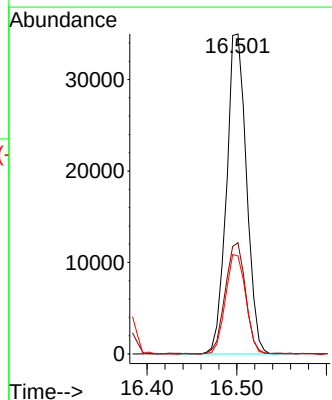
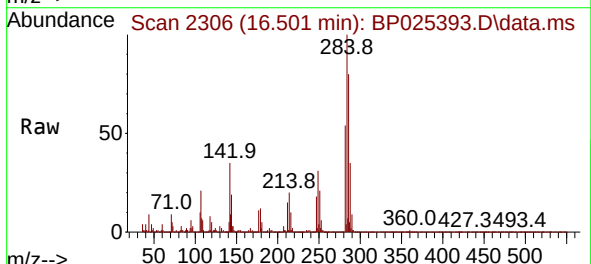
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

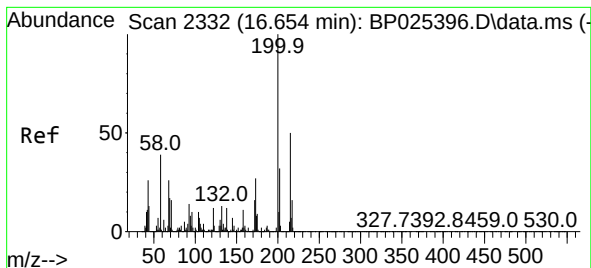
Tgt Ion:248 Resp: 47579
Ion Ratio Lower Upper
248 100
250 95.1 78.2 117.2
141 76.0 59.6 89.4



#68
Hexachlorobenzene
Concen: 5.183 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:284 Resp: 53940
Ion Ratio Lower Upper
284 100
142 34.7 29.1 43.7
249 30.6 25.0 37.4





#69

Atrazine

Concen: 5.015 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDIC005

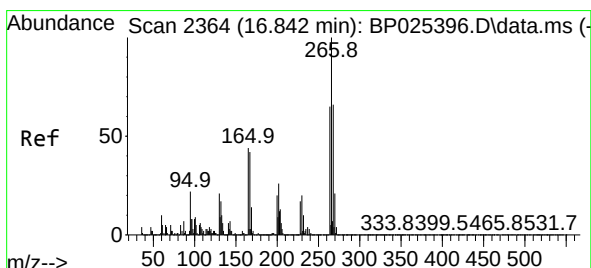
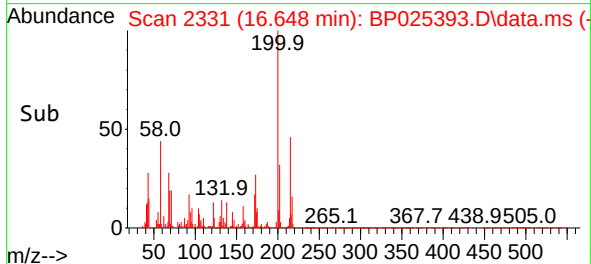
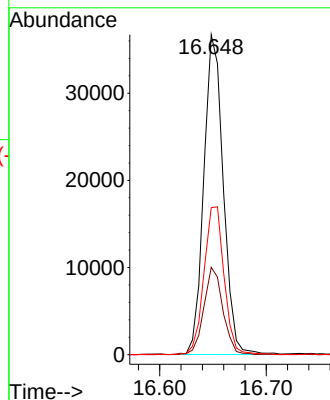
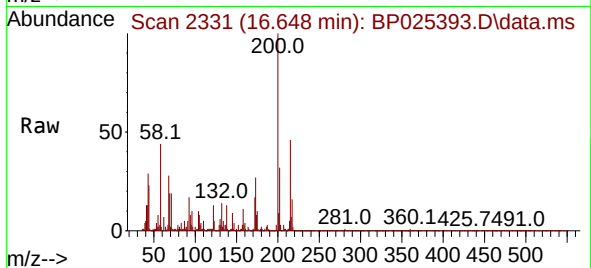
Tgt Ion:200 Resp: 46750

Ion Ratio Lower Upper

200 100

173 27.3 6.7 46.7

215 45.9 29.7 69.7



#70

Pentachlorophenol

Concen: 4.513 ng

RT: 16.854 min Scan# 2366

Delta R.T. 0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

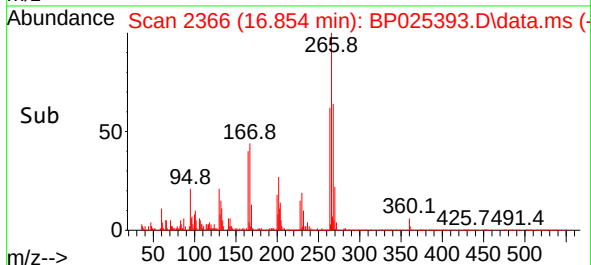
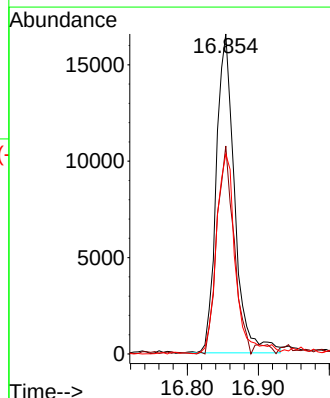
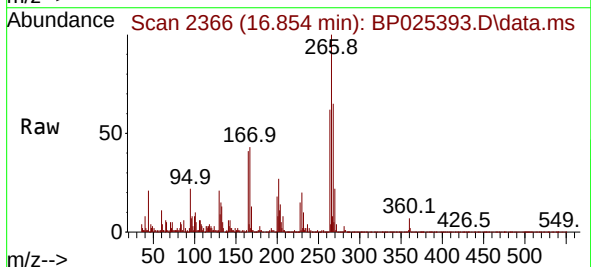
Tgt Ion:266 Resp: 29650

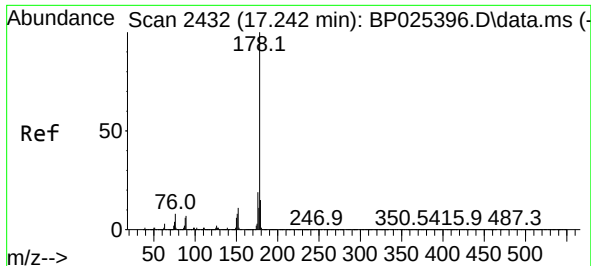
Ion Ratio Lower Upper

266 100

268 70.4 52.6 79.0

264 66.3 52.0 78.0

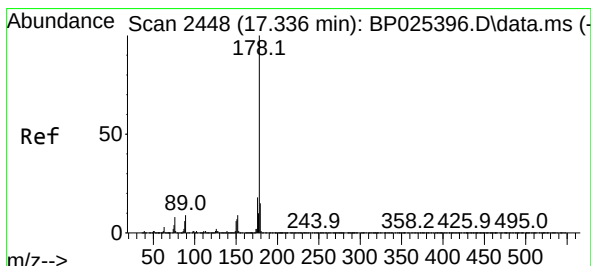
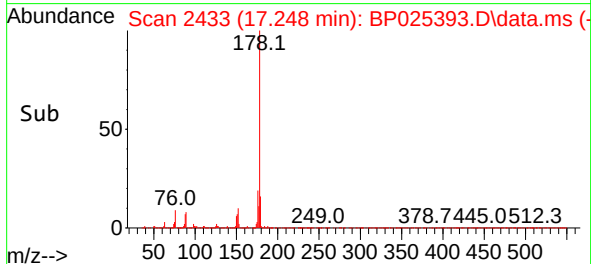
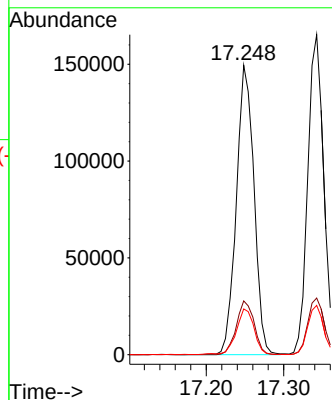
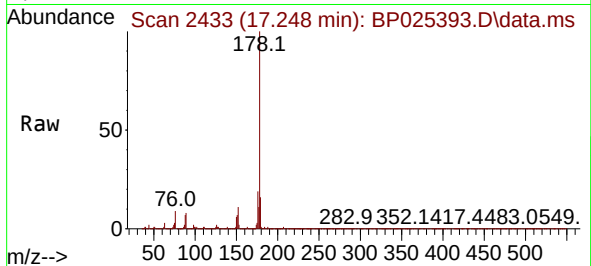




#71
Phenanthrene
Concen: 5.287 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

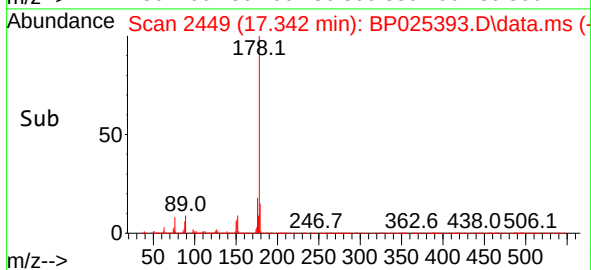
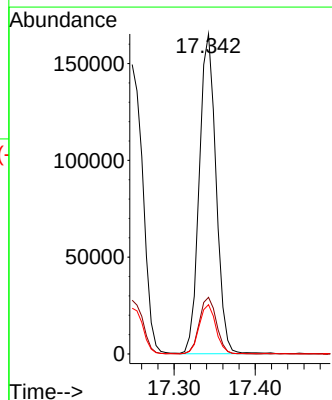
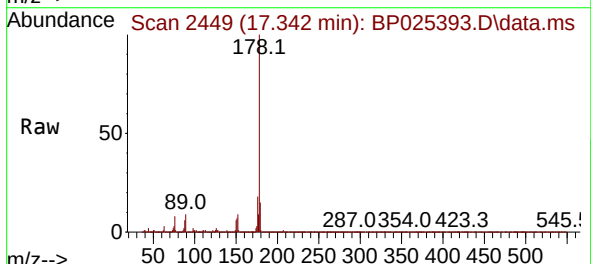
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

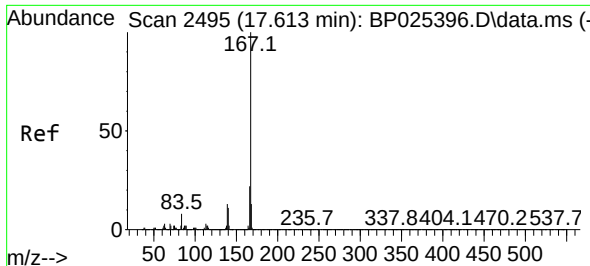
Tgt Ion:178 Resp: 237107
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.8 12.2 18.4



#72
Anthracene
Concen: 5.174 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:178 Resp: 236938
Ion Ratio Lower Upper
178 100
176 17.7 14.7 22.1
179 15.4 12.2 18.2

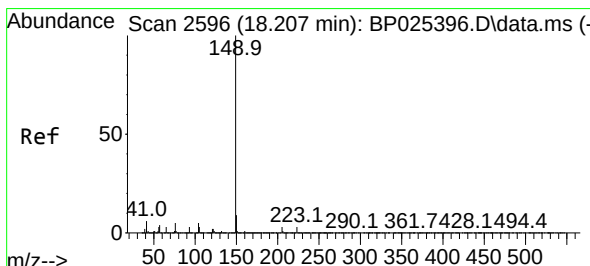
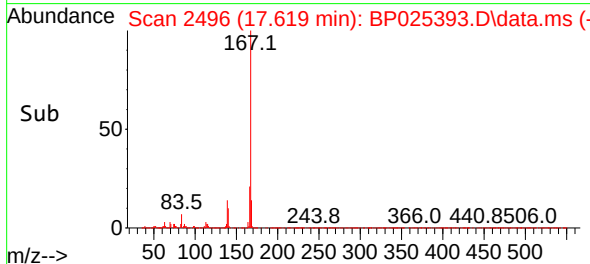
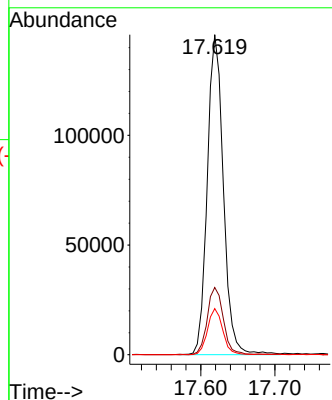
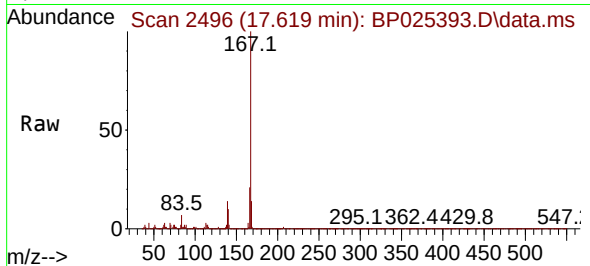




#73
Carbazole
Concen: 5.103 ng
RT: 17.619 min Scan# 2496
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

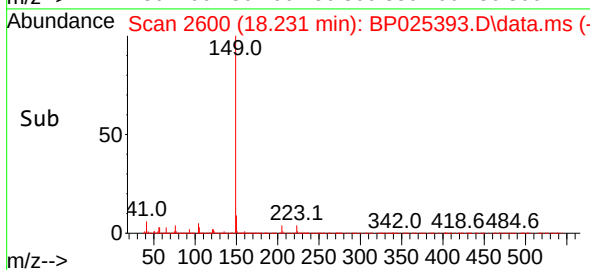
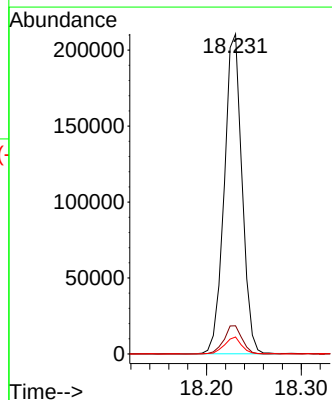
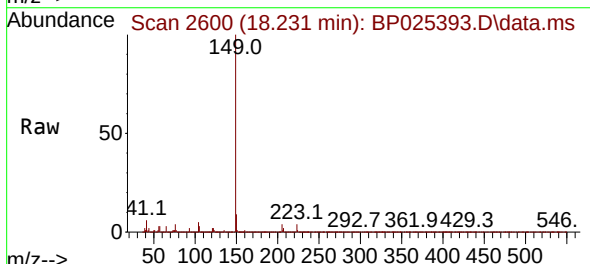
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

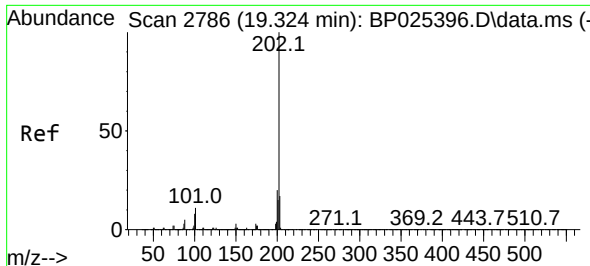
Tgt Ion:167 Resp: 220112
Ion Ratio Lower Upper
167 100
166 21.0 17.5 26.3
139 14.4 10.6 16.0



#74
Di-n-butylphthalate
Concen: 5.172 ng
RT: 18.231 min Scan# 2600
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 274467
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.0
104 5.3 4.2 6.2

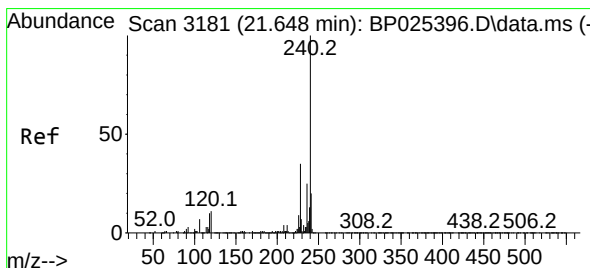
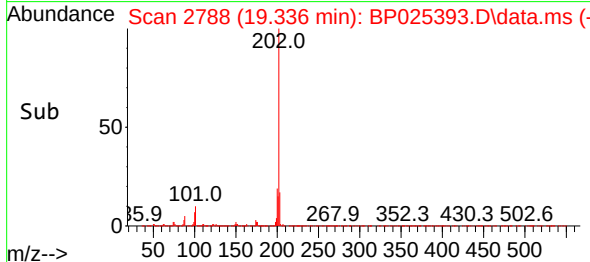
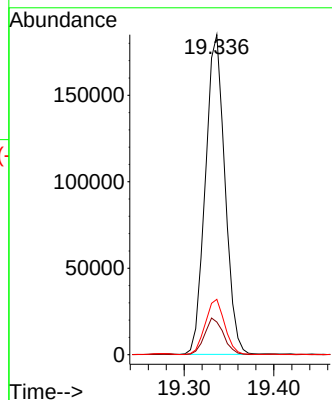
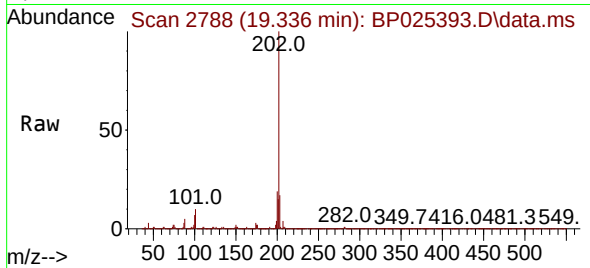




#75
Fluoranthene
Concen: 5.225 ng
RT: 19.336 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

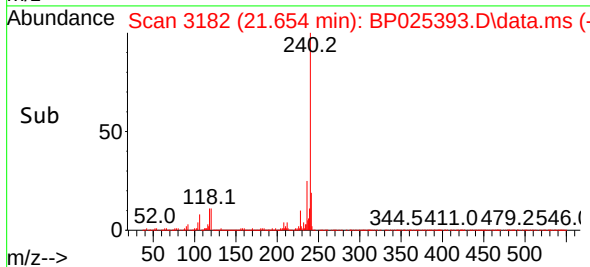
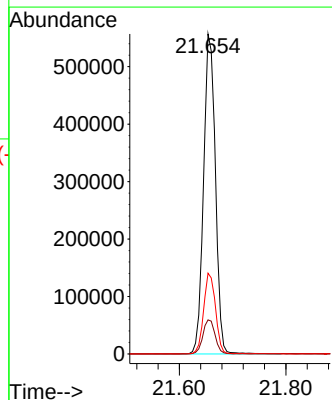
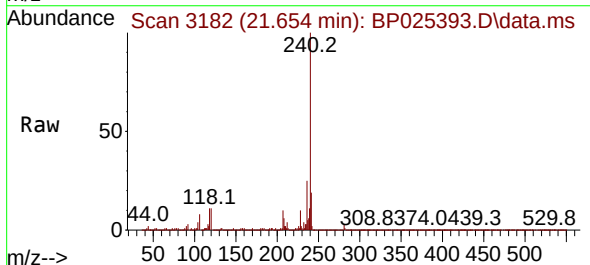
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

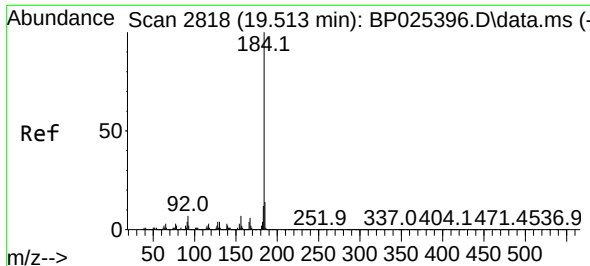
Tgt Ion:202 Resp: 279497
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.1
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:240 Resp: 858165
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 25.2 19.8 29.8

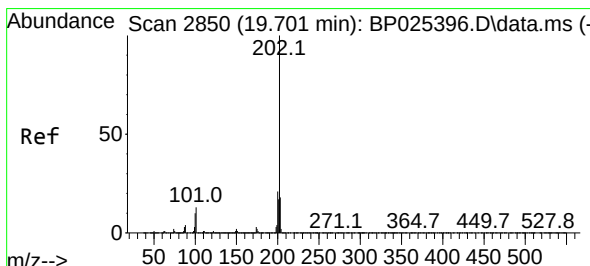
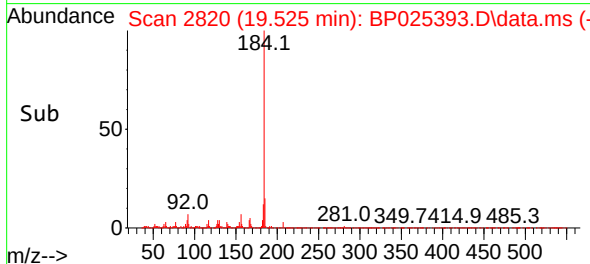
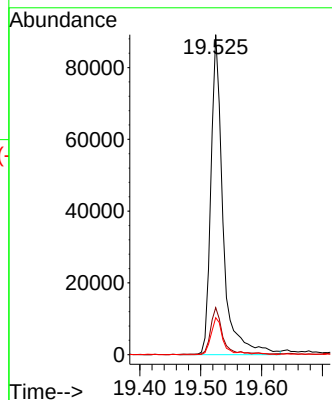
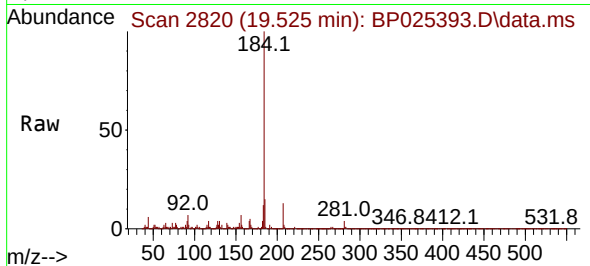




#77
Benzidine
Concen: 4.231 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

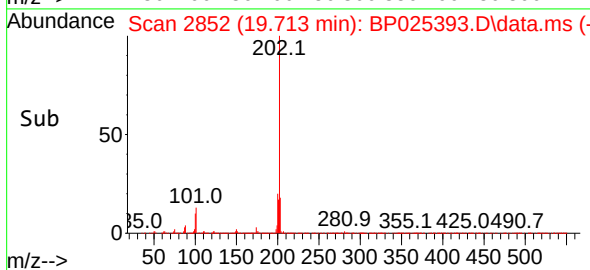
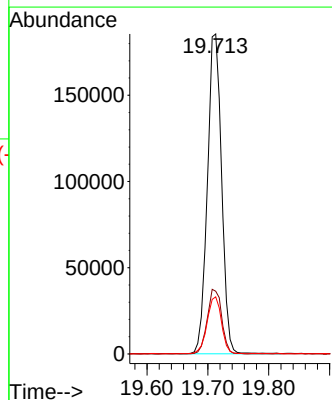
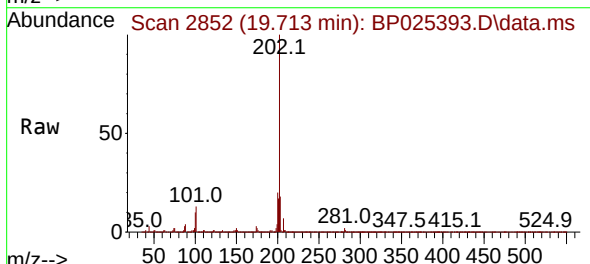
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

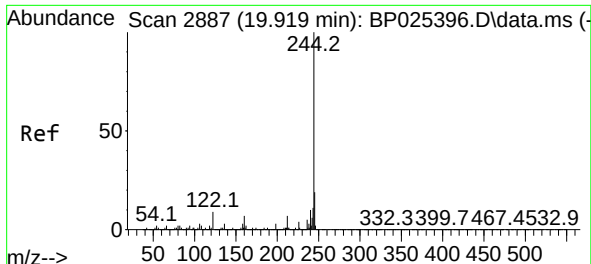
Tgt Ion:	184	Resp:	123915
Ion Ratio	Lower	Upper	
184	100		
185	14.7	11.5	17.3
183	11.6	9.4	14.2



#78
Pyrene
Concen: 5.377 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	202	Resp:	299922
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.9	25.3
203	17.8	14.2	21.2

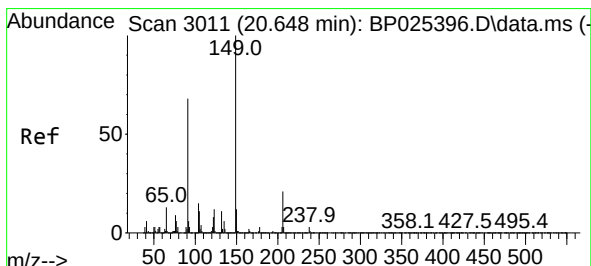
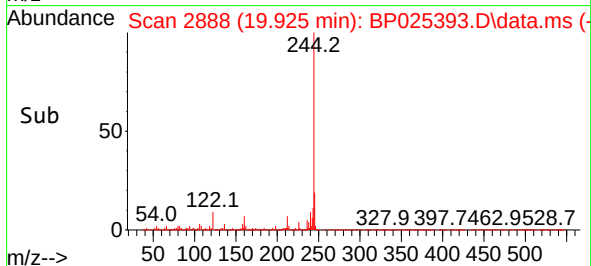
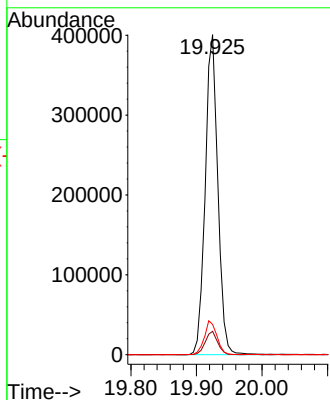
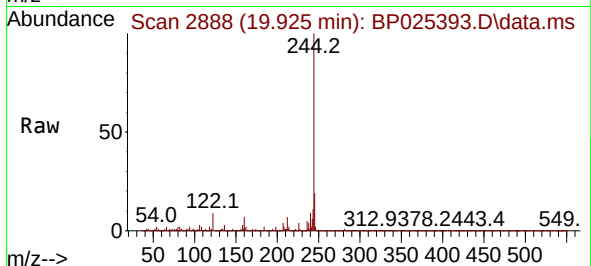




#79
 Terphenyl-d14
 Concen: 11.428 ng
 RT: 19.925 min Scan# 2888
 Delta R.T. 0.006 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15

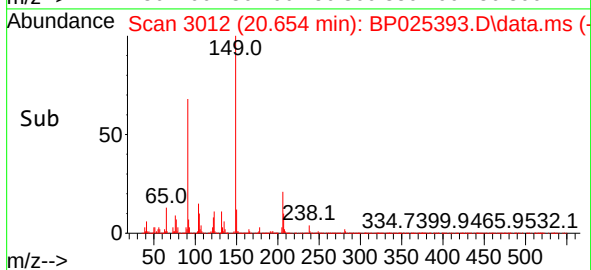
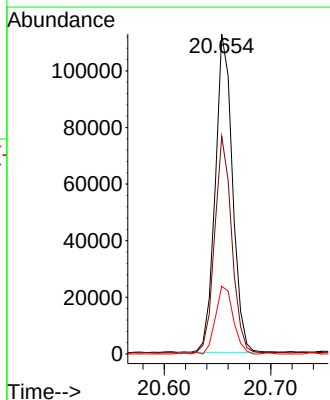
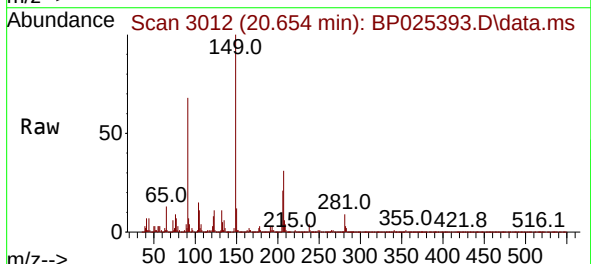
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

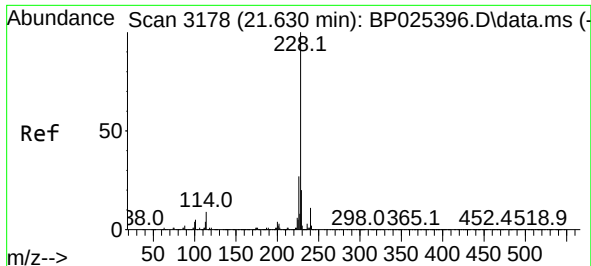
Tgt Ion:244 Resp: 536049
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 9.5 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 4.997 ng
 RT: 20.654 min Scan# 3012
 Delta R.T. 0.006 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 126321
 Ion Ratio Lower Upper
 149 100
 91 68.0 54.2 81.2
 206 21.1 16.6 24.8

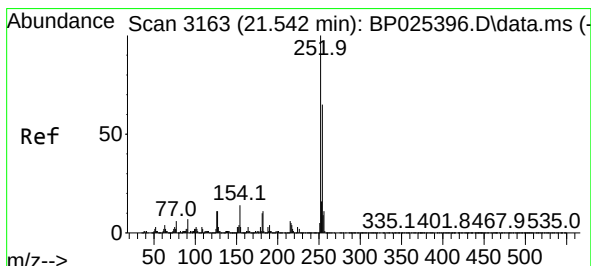
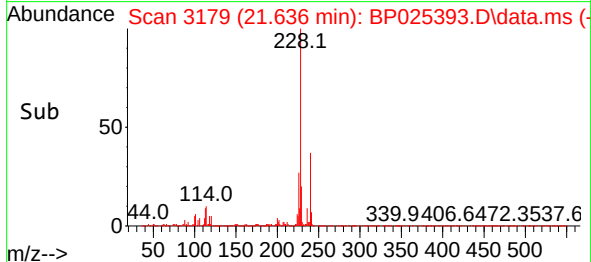
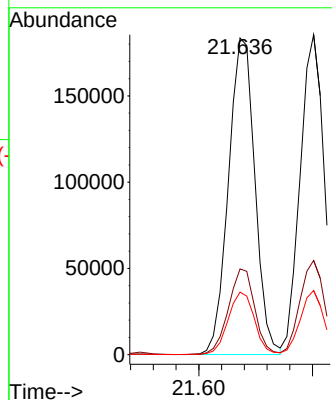
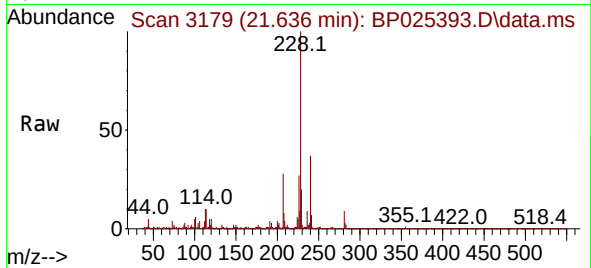




#81
Benzo(a)anthracene
Concen: 5.245 ng
RT: 21.636 min Scan# 3179
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

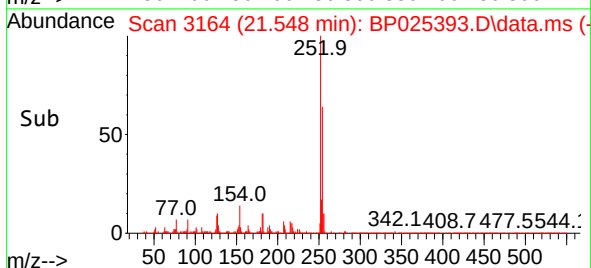
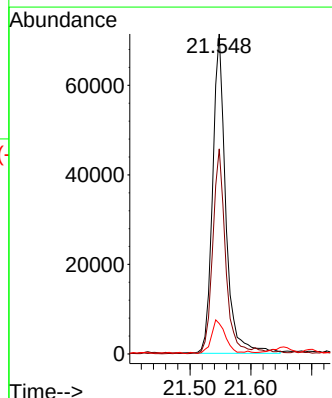
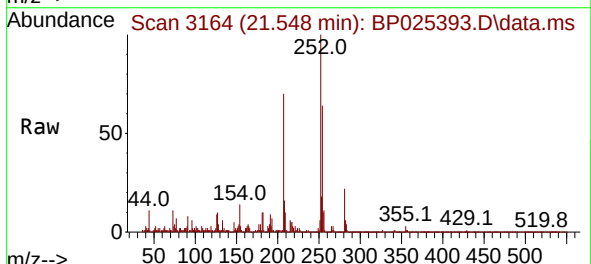
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

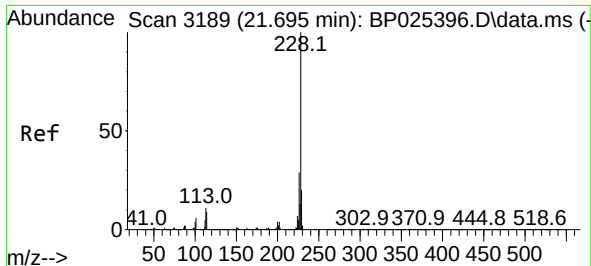
Tgt Ion:228 Resp: 296847
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.8 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 5.009 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 106858
Ion Ratio Lower Upper
252 100
254 64.1 51.8 77.6
126 9.5 9.1 13.7

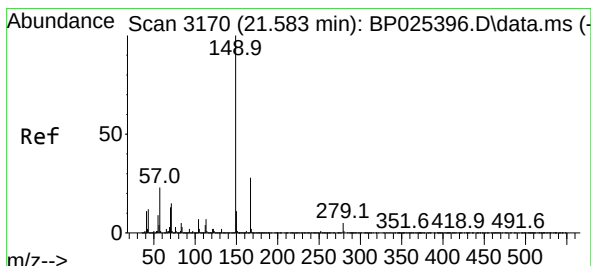
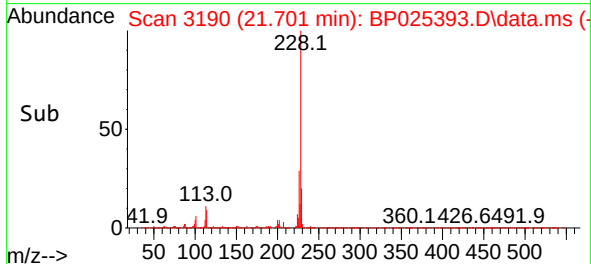
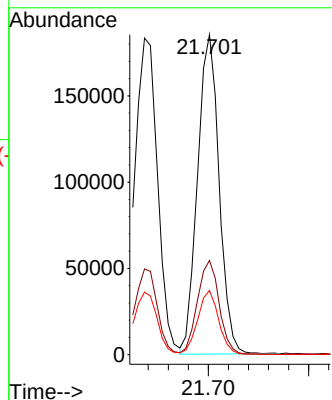
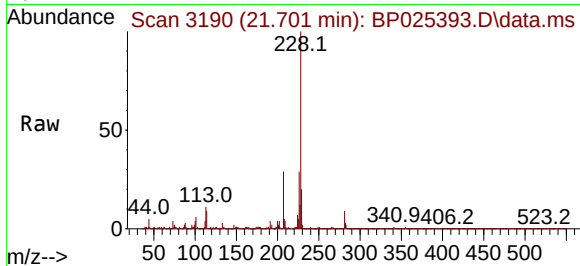




#83
Chrysene
Concen: 5.229 ng
RT: 21.701 min Scan# 3189
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

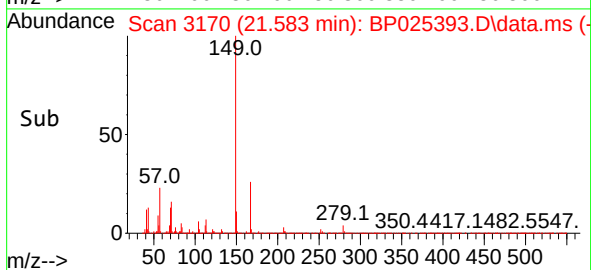
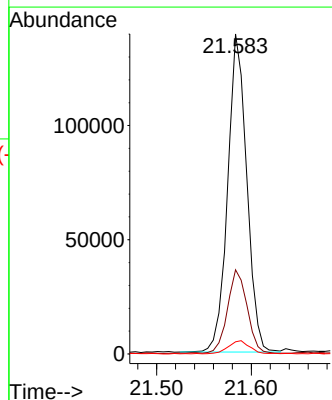
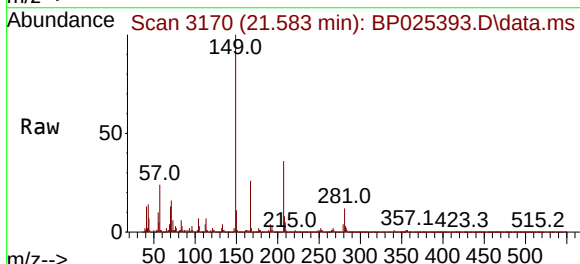
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

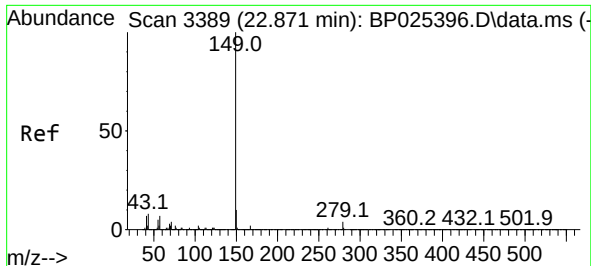
Tgt Ion:228 Resp: 277175
Ion Ratio Lower Upper
228 100
226 29.5 23.2 34.8
229 20.0 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.228 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 194541
Ion Ratio Lower Upper
149 100
167 26.3 22.1 33.1
279 3.8 3.8 5.6

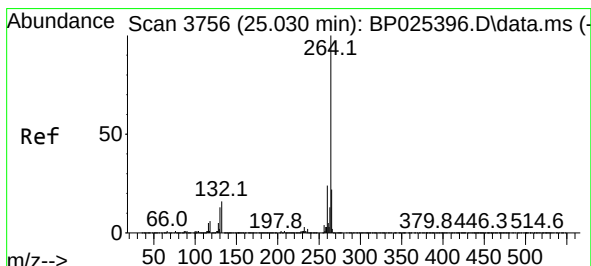
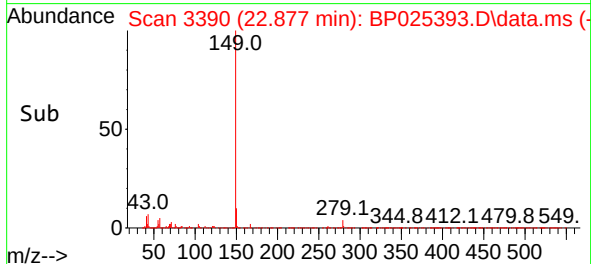
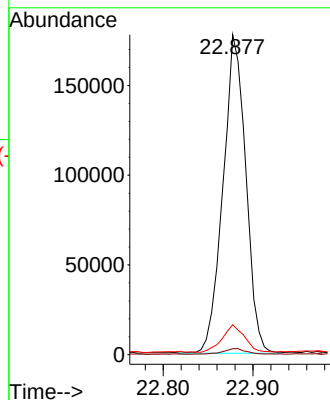
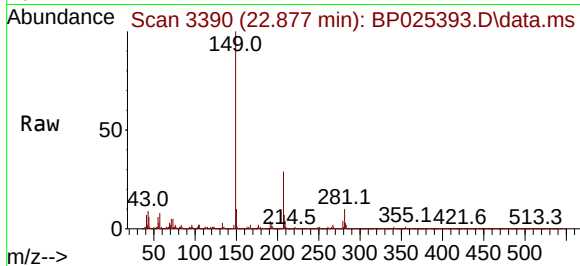




#85
Di-n-octyl phthalate
Concen: 4.898 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

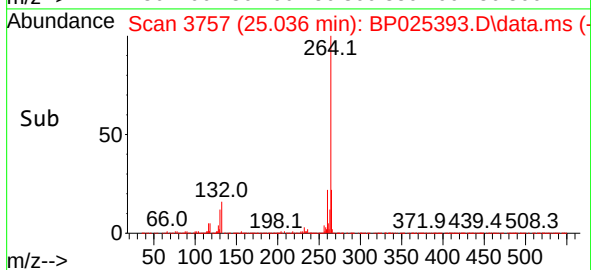
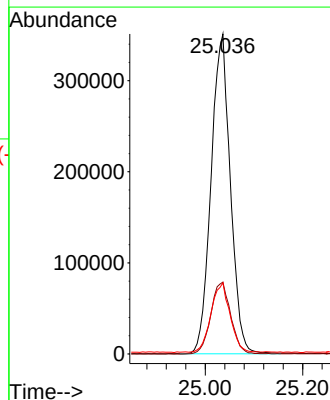
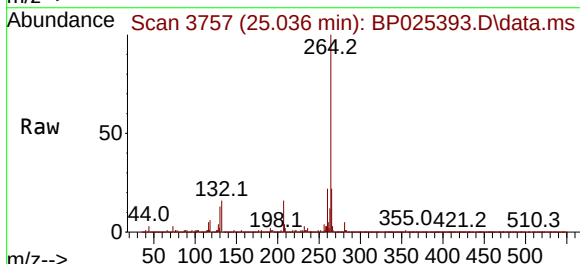
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

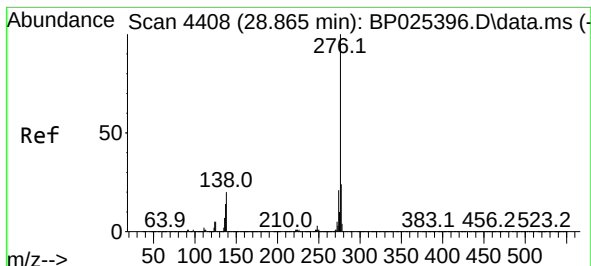
Tgt Ion:149 Resp: 313503
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.4 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:264 Resp: 963881
Ion Ratio Lower Upper
264 100
260 22.5 19.3 28.9
265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.956 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

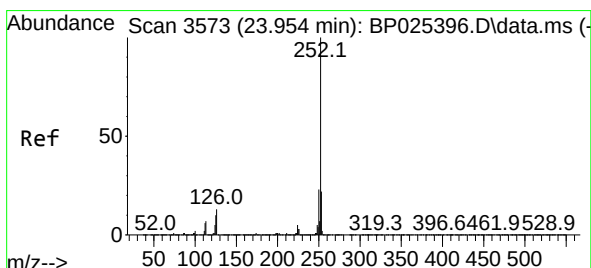
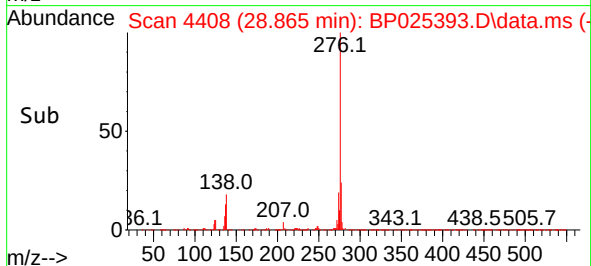
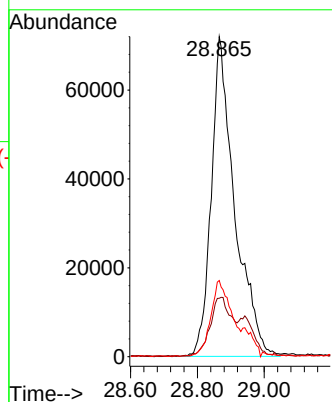
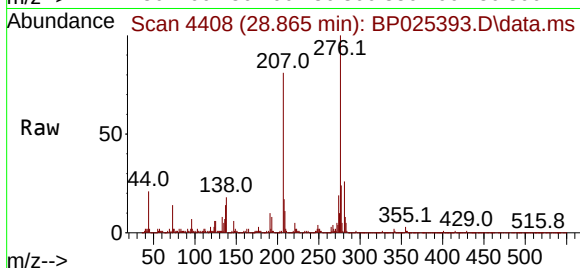
Tgt Ion:276 Resp: 350414

Ion Ratio Lower Upper

276 100

138 17.1 12.9 19.3

277 20.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 5.099 ng

RT: 23.960 min Scan# 3574

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

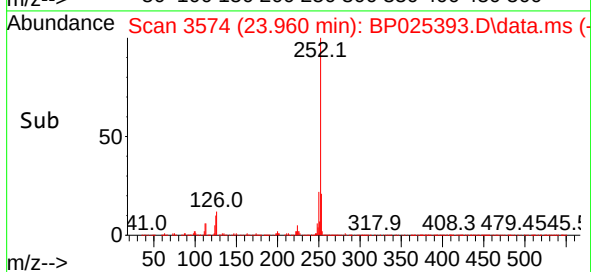
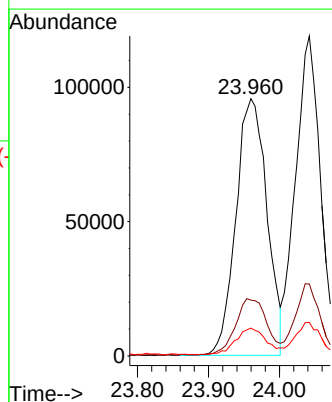
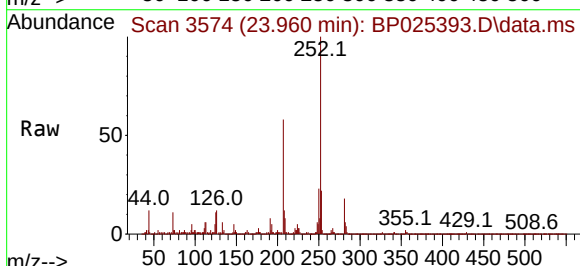
Tgt Ion:252 Resp: 289797

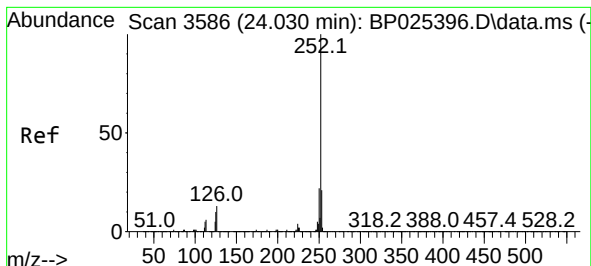
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 10.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 5.091 ng

RT: 24.042 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

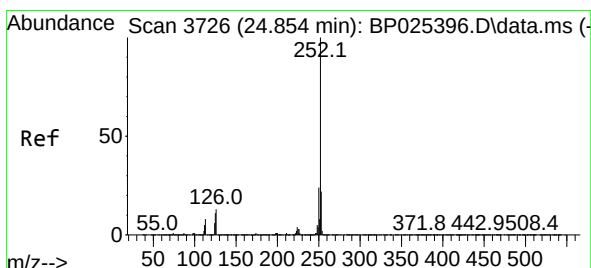
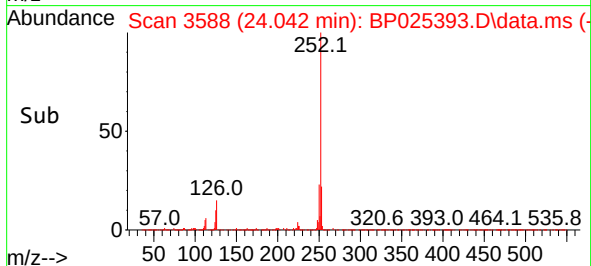
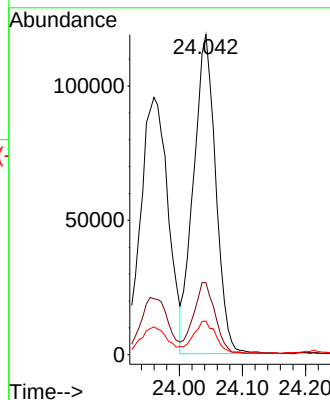
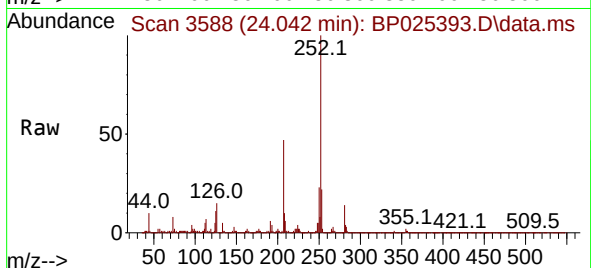
Tgt Ion:252 Resp: 289556

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 10.5 7.8 11.6



#90

Benzo(a)pyrene

Concen: 4.960 ng

RT: 24.877 min Scan# 3730

Delta R.T. 0.024 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

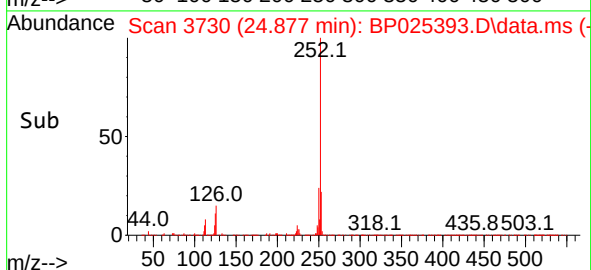
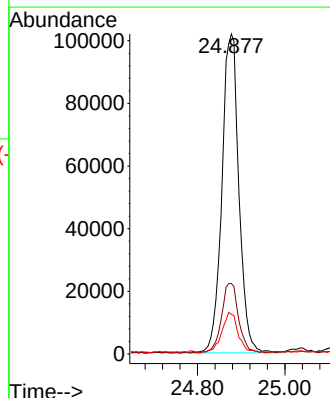
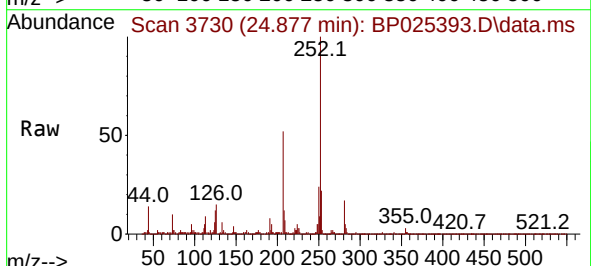
Tgt Ion:252 Resp: 274440

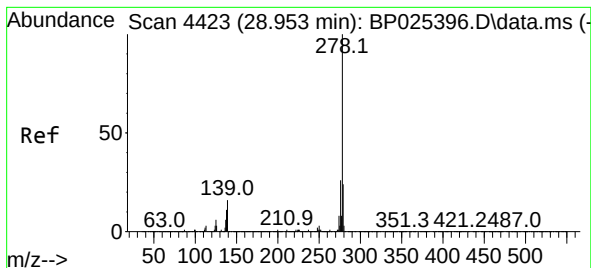
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 12.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 4.924 ng

RT: 28.942 min Scan# 4421

Delta R.T. -0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

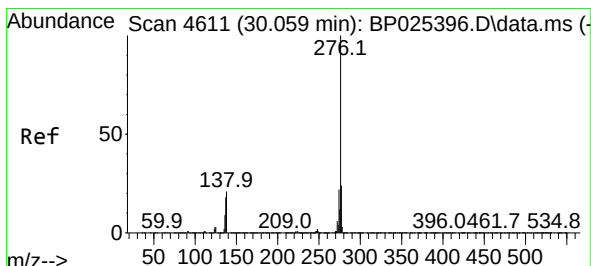
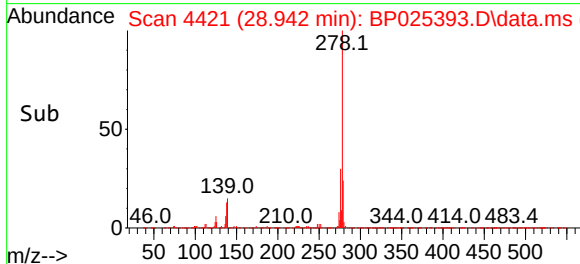
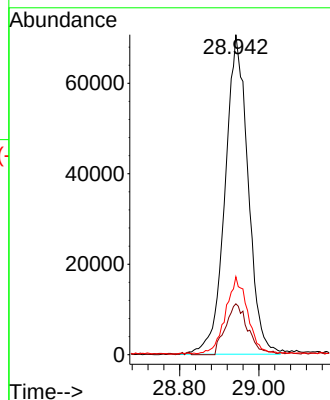
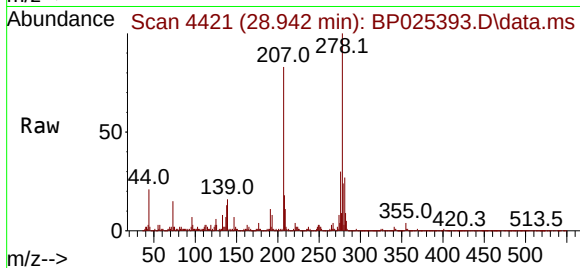
Tgt Ion:278 Resp: 284440

Ion Ratio Lower Upper

278 100

139 15.9 13.0 19.4

279 24.3 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 4.931 ng

RT: 30.036 min Scan# 4607

Delta R.T. -0.023 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

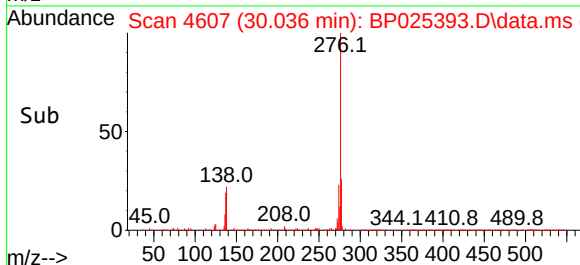
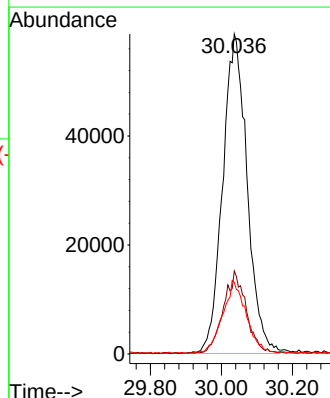
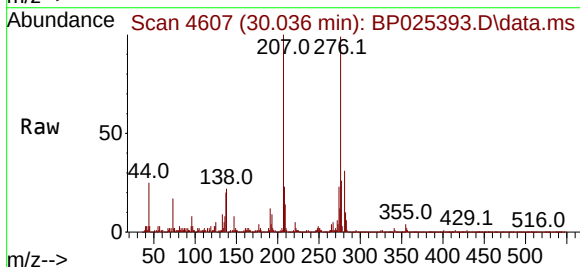
Tgt Ion:276 Resp: 279987

Ion Ratio Lower Upper

276 100

277 26.0 19.4 29.0

138 22.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025394.D
 Acq On : 14 Aug 2025 13:56
 Operator : CG/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 14 17:53:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137852	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	563995	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	383199	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	780940	20.000	ng	0.00
76) Chrysene-d12	21.648	240	860386	20.000	ng	0.00
86) Perylene-d12	25.036	264	980670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	162289	19.551	ng	0.00
7) Phenol-d6	6.966	99	202204	19.000	ng	0.00
23) Nitrobenzene-d5	8.931	82	212236	19.036	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	99083	19.210	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	568359	20.271	ng	0.00
79) Terphenyl-d14	19.924	244	946422	20.125	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.331	88	31948	9.826	ng	98
3) Pyridine	3.731	79	86156	9.681	ng	100
4) n-Nitrosodimethylamine	3.637	42	35519	9.681	ng	# 99
6) Aniline	7.125	93	135217	9.430	ng	99
8) 2-Chlorophenol	7.366	128	88413	9.439	ng	98
9) Benzaldehyde	6.943	77	68523	9.190	ng	96
10) Phenol	6.996	94	105394	9.438	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	81541	9.368	ng	98
12) 1,3-Dichlorobenzene	7.684	146	98782	9.564	ng	98
13) 1,4-Dichlorobenzene	7.825	146	102729	9.731	ng	98
14) 1,2-Dichlorobenzene	8.143	146	98589	9.647	ng	98
15) Benzyl Alcohol	8.025	79	78411	9.273	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	109744	9.412	ng	99
17) 2-Methylphenol	8.231	107	70991	9.153	ng	98
18) Hexachloroethane	8.866	117	37473	9.654	ng	98
19) n-Nitroso-di-n-propyla...	8.584	70	66105	9.366	ng	99
20) 3+4-Methylphenols	8.549	107	99382	9.244	ng	97
22) Acetophenone	8.602	105	137361	9.712	ng	# 98
24) Nitrobenzene	8.972	77	96502	9.685	ng	97
25) Isophorone	9.502	82	189510	9.604	ng	99
26) 2-Nitrophenol	9.678	139	45860	8.968	ng	96
27) 2,4-Dimethylphenol	9.737	122	85465	9.718	ng	98
28) bis(2-Chloroethoxy)met...	9.972	93	114635	9.611	ng	99
29) 2,4-Dichlorophenol	10.213	162	82676	9.464	ng	97
30) 1,2,4-Trichlorobenzene	10.431	180	92664	9.676	ng	94
31) Naphthalene	10.613	128	287754	9.816	ng	99
32) Benzoic acid	9.825	122	44404	6.856	ng	93
33) 4-Chloroaniline	10.713	127	122647	9.472	ng	98
34) Hexachlorobutadiene	10.901	225	57821	9.695	ng	97
35) Caprolactam	11.472	113	32038	10.001	ng	93
36) 4-Chloro-3-methylphenol	11.837	107	94538	9.431	ng	97
37) 2-Methylnaphthalene	12.219	142	184172	9.654	ng	100
38) 1-Methylnaphthalene	12.437	142	199160	9.817	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	107104	9.678	ng	99
41) Hexachlorocyclopentadiene	12.572	237	52588	7.867	ng	97
43) 2,4,6-Trichlorophenol	12.831	196	69780	9.339	ng	97

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 Data File : BP025394.D
 Acq On : 14 Aug 2025 13:56
 Operator : CG/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

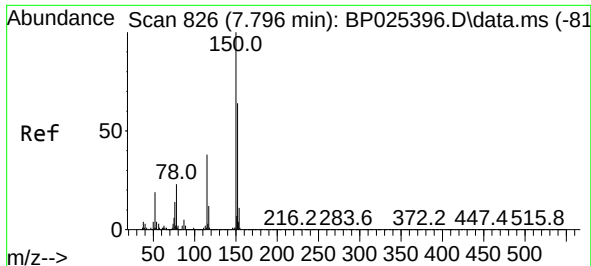
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	73744	9.006	ng	98
46) 1,1'-Biphenyl	13.237	154	271710	9.763	ng	98
47) 2-Chloronaphthalene	13.272	162	209419	9.666	ng	99
48) 2-Nitroaniline	13.466	65	58630	9.287	ng	97
49) Acenaphthylene	14.119	152	346021	9.652	ng	99
50) Dimethylphthalate	13.860	163	277701	9.896	ng	99
51) 2,6-Dinitrotoluene	13.972	165	54957	9.292	ng	96
52) Acenaphthene	14.472	154	218284	10.373	ng	98
53) 3-Nitroaniline	14.301	138	62991	9.466	ng	93
54) 2,4-Dinitrophenol	14.513	184	21748	6.886	ng	99
55) Dibenzofuran	14.807	168	327734	9.851	ng	100
56) 4-Nitrophenol	14.625	139	48103	8.797	ng	97
57) 2,4-Dinitrotoluene	14.766	165	77950	9.237	ng	100
58) Fluorene	15.472	166	266610	10.156	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.042	232	68931	9.533	ng	99
60) Diethylphthalate	15.242	149	282526	9.909	ng	98
61) 4-Chlorophenyl-phenyle...	15.466	204	131137	10.044	ng	99
62) 4-Nitroaniline	15.478	138	64375	9.437	ng	99
63) Azobenzene	15.766	77	234879	9.620	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	37380	7.679	ng	97
66) n-Nitrosodiphenylamine	15.684	169	235344	9.883	ng	100
67) 4-Bromophenyl-phenylether	16.384	248	80373	9.358	ng	98
68) Hexachlorobenzene	16.501	284	98614	9.905	ng	96
69) Atrazine	16.660	200	88240	9.894	ng	98
70) Pentachlorophenol	16.854	266	52539	8.360	ng	97
71) Phenanthrene	17.248	178	429752	10.018	ng	99
72) Anthracene	17.348	178	438953	10.020	ng	100
73) Carbazole	17.619	167	410726	9.954	ng	99
74) Di-n-butylphthalate	18.219	149	490232	9.656	ng	99
75) Fluoranthene	19.330	202	516523	10.094	ng	99
77) Benzidine	19.525	184	276193	9.406	ng	99
78) Pyrene	19.707	202	542670	9.704	ng	100
80) Butylbenzylphthalate	20.660	149	239416	9.446	ng	98
81) Benzo(a)anthracene	21.624	228	560279	9.874	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	207153	9.686	ng	99
83) Chrysene	21.701	228	522411	9.831	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	355530	9.529	ng	99
85) Di-n-octyl phthalate	22.877	149	594195	9.259	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	582808	8.101	ng	# 93
88) Benzo(b)fluoranthene	23.954	252	552191	9.549	ng	99
89) Benzo(k)fluoranthene	24.018	252	567080	9.800	ng	98
90) Benzo(a)pyrene	24.854	252	535820	9.519	ng	99
91) Dibenzo(a,h)anthracene	28.959	278	551694	9.387	ng	99
92) Benzo(g,h,i)perylene	30.047	276	548117	9.489	ng	99

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

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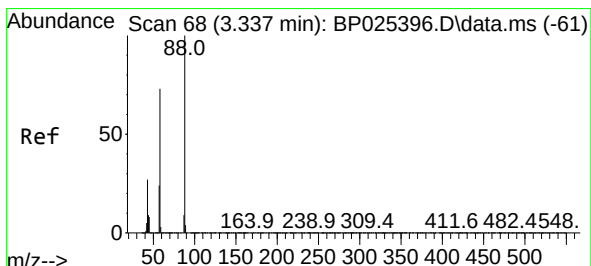
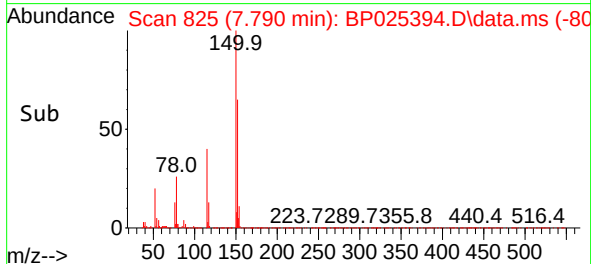
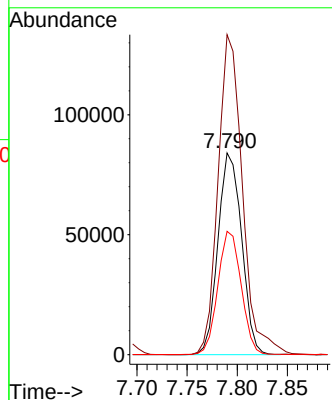
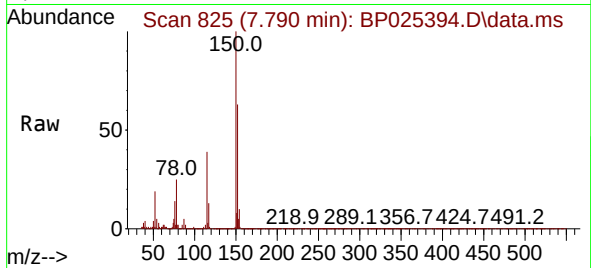
1



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

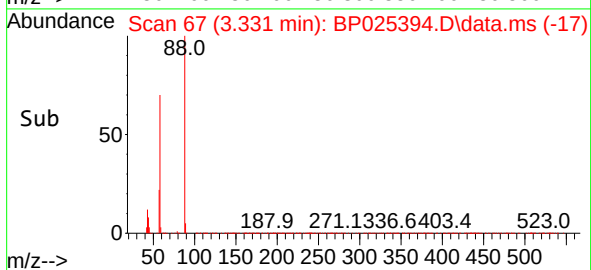
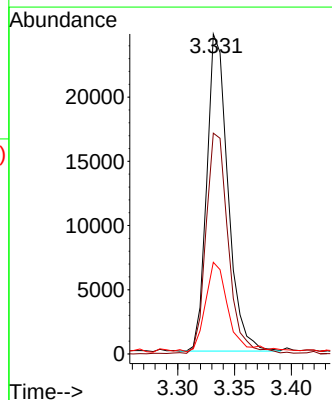
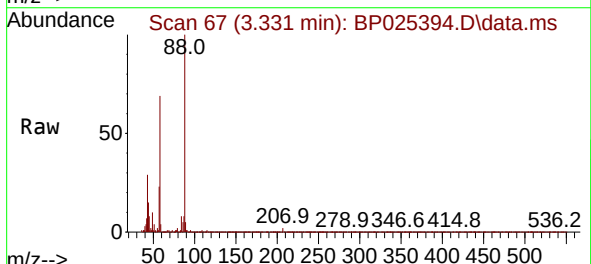
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ClientSampleId :
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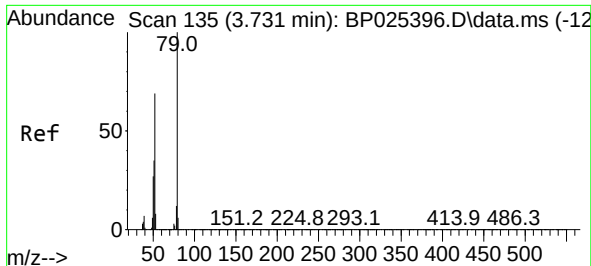
Tgt Ion:152 Resp: 137852
Ion Ratio Lower Upper
152 100
150 158.6 125.9 188.9
115 61.1 48.5 72.7



#2
1,4-Dioxane
Concen: 9.826 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 88 Resp: 31948
Ion Ratio Lower Upper
88 100
58 74.0 59.2 88.8
43 30.8 21.7 32.5

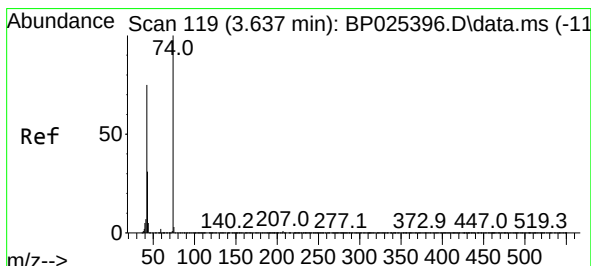
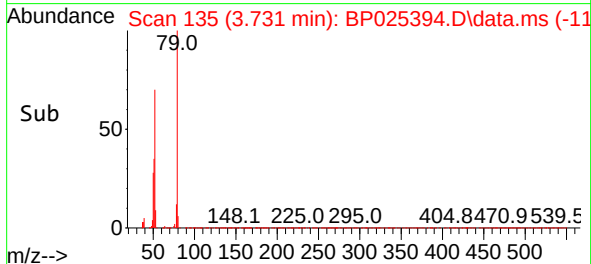
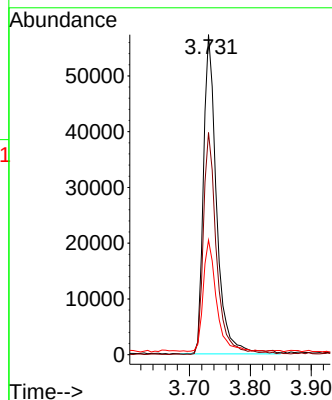
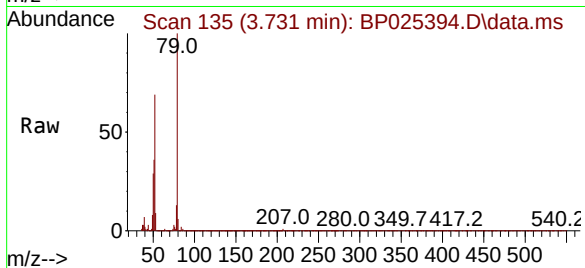




#3
Pyridine
Concen: 9.681 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

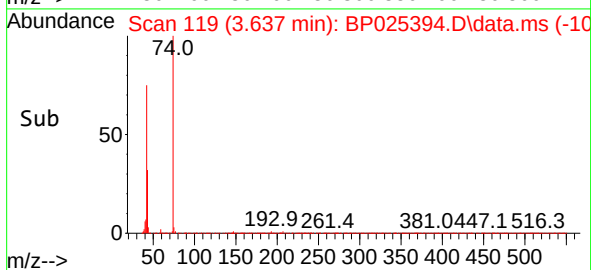
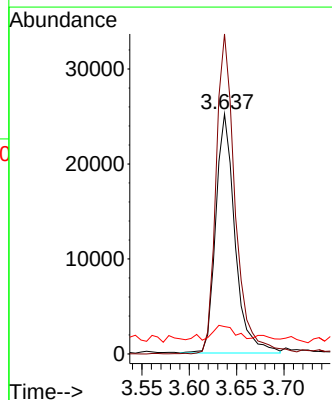
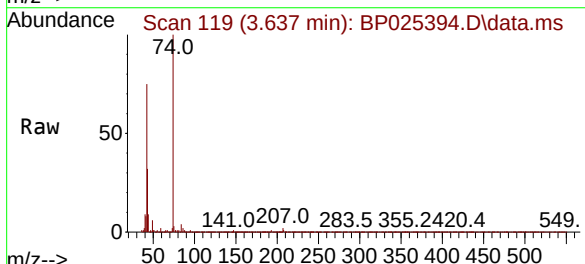
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BNA_P
ClientSampleId :
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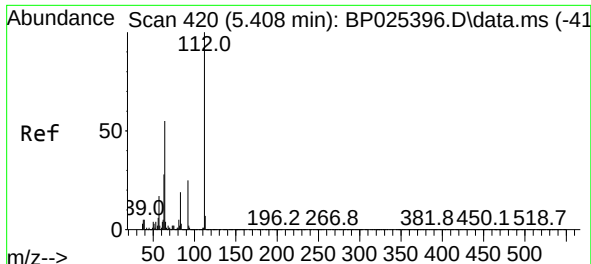
Tgt Ion:	79	Resp:	86156
Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.8	28.3	42.5



#4
n-Nitrosodimethylamine
Concen: 9.681 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	42	Resp:	35519
Ion	Ratio	Lower	Upper
42	100		
74	133.3	107.0	160.4
44	11.4	6.2	9.4

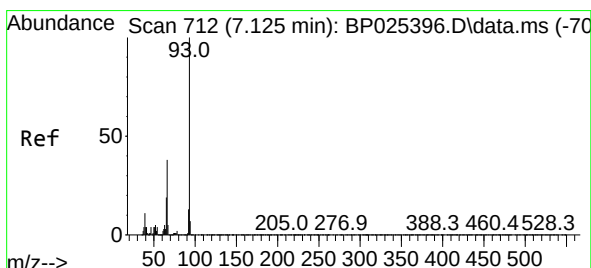
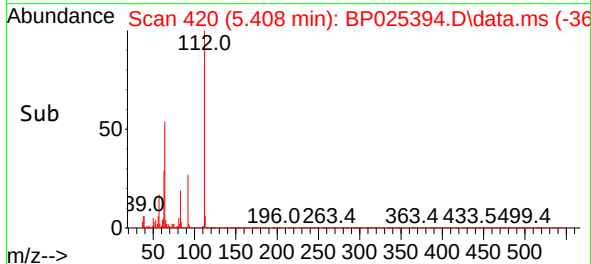
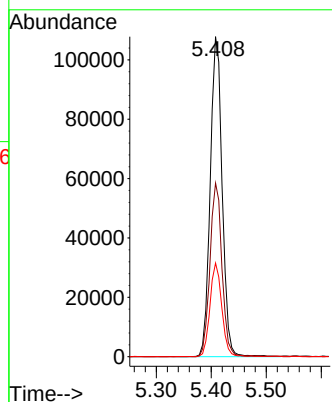
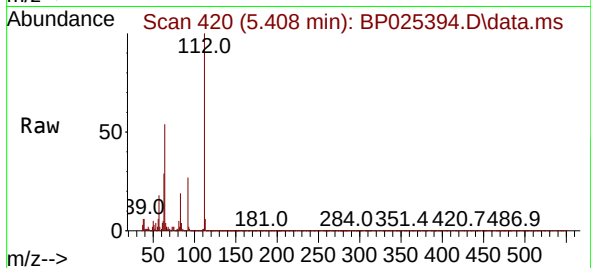




#5
2-Fluorophenol
Concen: 19.551 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

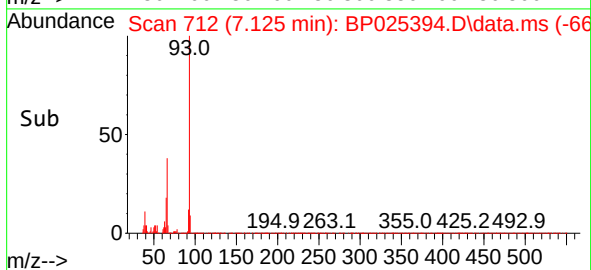
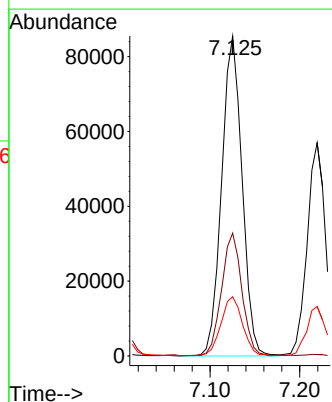
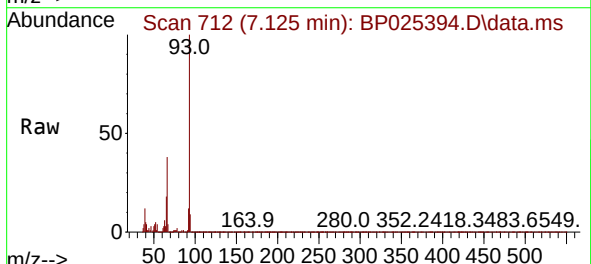
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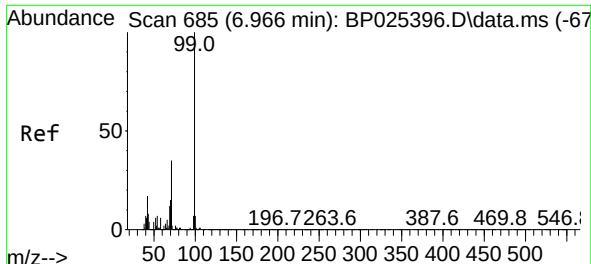
Tgt Ion:	112	Resp:	162289
Ion	Ratio	Lower	Upper
112	100		
64	54.3	43.8	65.8
63	29.3	22.7	34.1



#6
Aniline
Concen: 9.430 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	93	Resp:	135217
Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.4	45.6
65	18.5	15.3	22.9



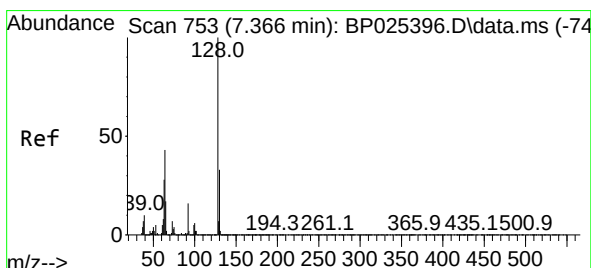
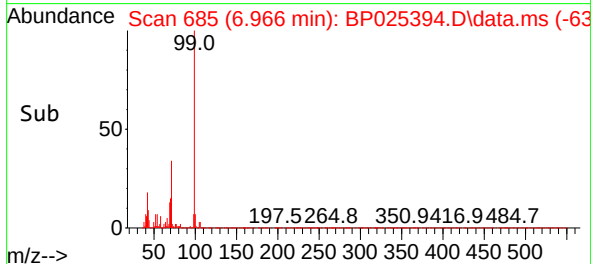
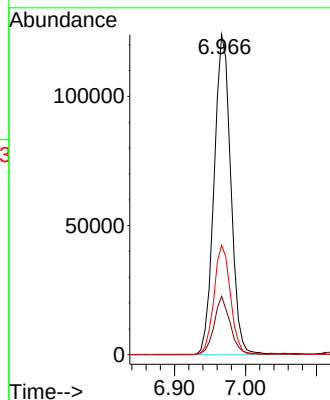
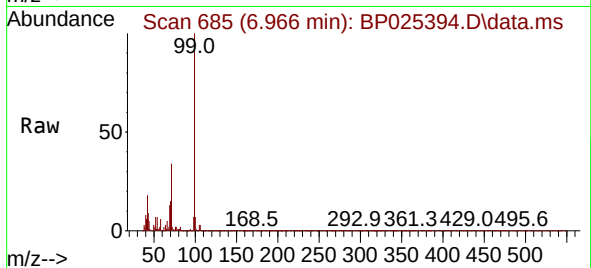


#7
Phenol-d6
Concen: 19.000 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 202204

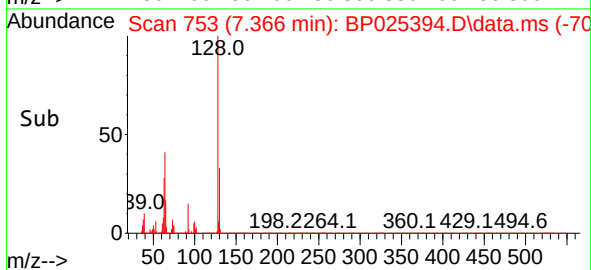
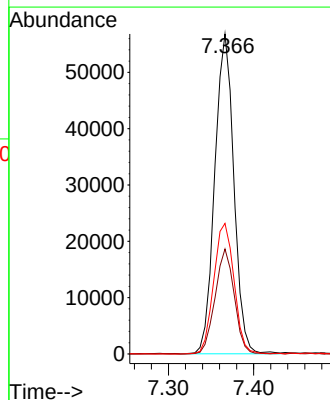
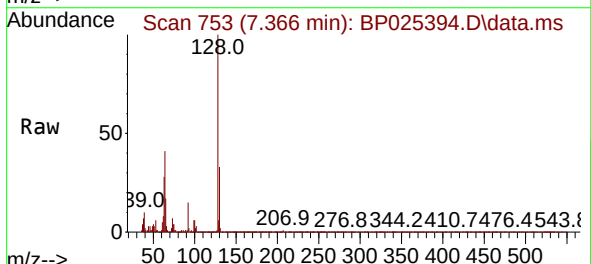
Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	34.2	28.2	42.4

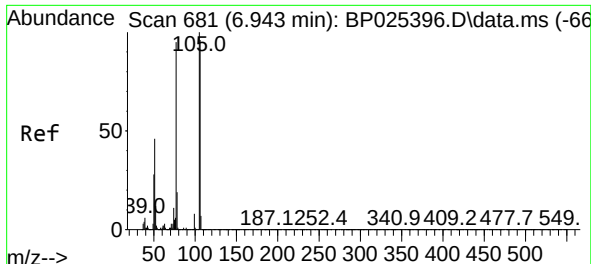


#8
2-Chlorophenol
Concen: 9.439 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 128 Resp: 88413

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	40.8	23.4	63.4

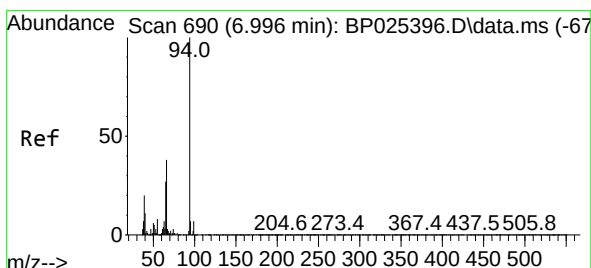
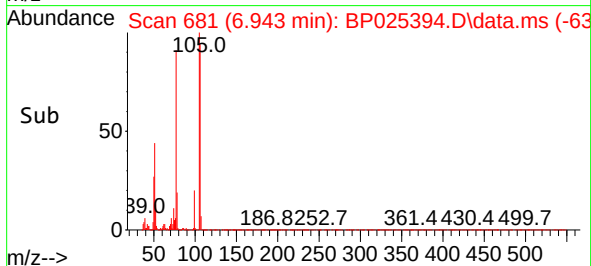
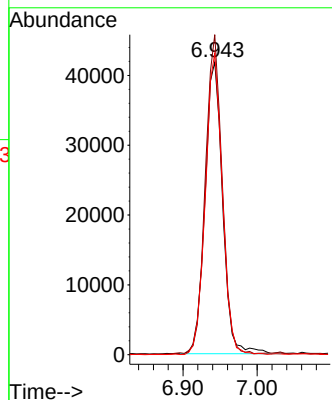
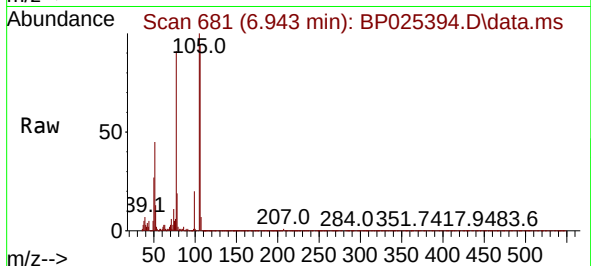




#9
Benzaldehyde
Concen: 9.190 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

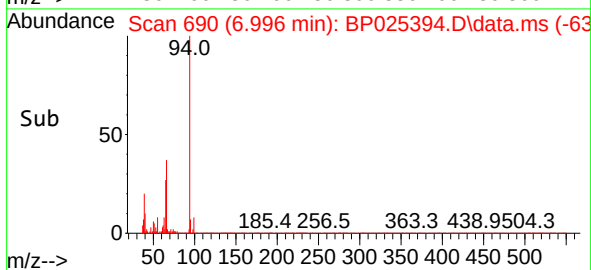
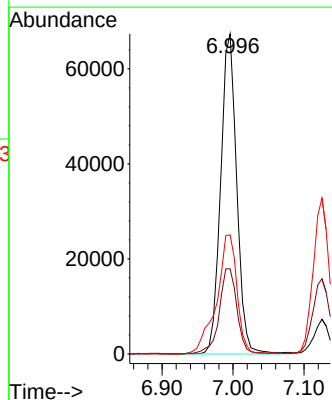
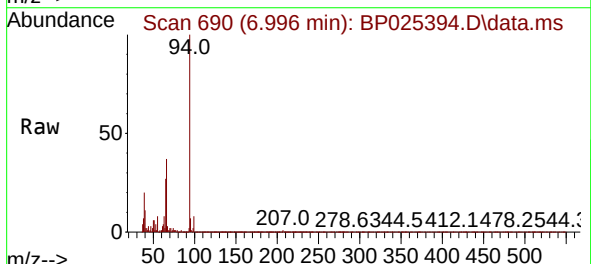
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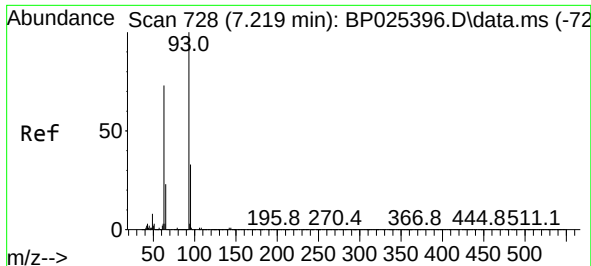
Tgt Ion: 77 Resp: 68523
Ion Ratio Lower Upper
77 100
105 109.4 84.8 124.8
106 103.0 80.5 120.5



#10
Phenol
Concen: 9.438 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 94 Resp: 105394
Ion Ratio Lower Upper
94 100
65 26.6 6.8 46.8
66 37.2 18.2 58.2

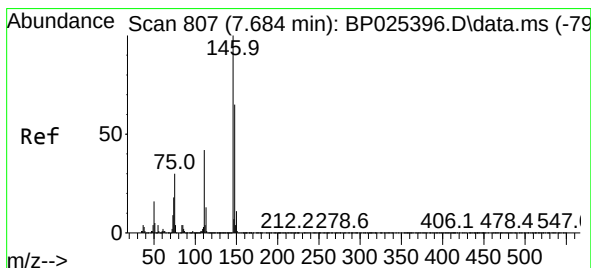
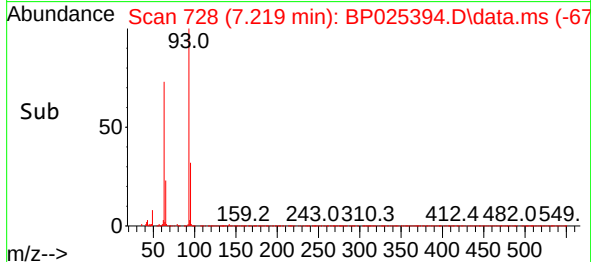
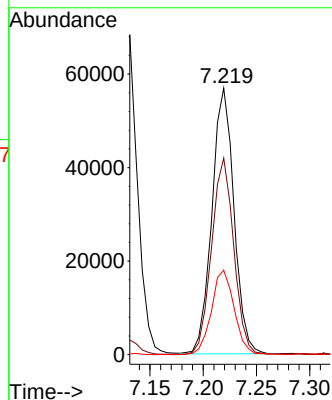
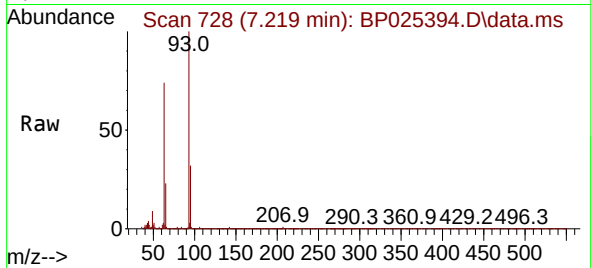




#11
 bis(2-Chloroethyl)ether
 Concen: 9.368 ng
 RT: 7.219 min Scan# 728
 Delta R.T. 0.000 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

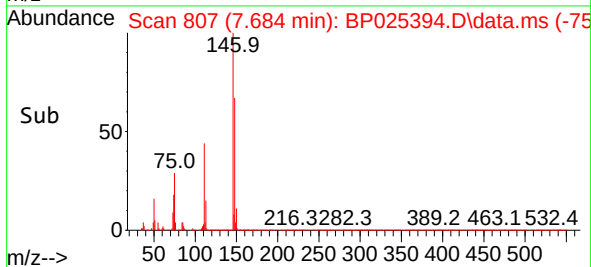
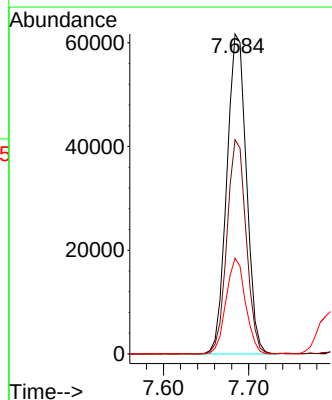
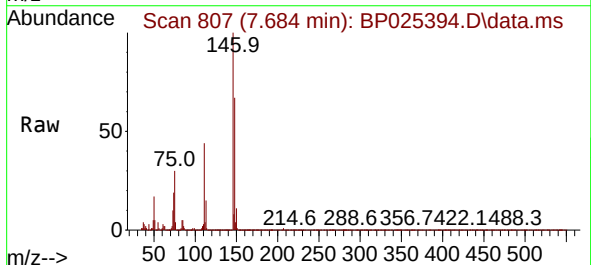
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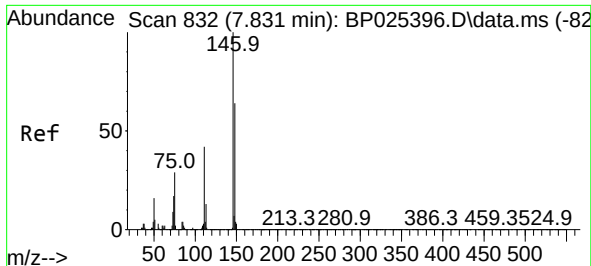
Tgt Ion:	93	Resp:	81541
Ion	Ratio	Lower	Upper
93	100		
63	73.7	52.6	92.6
95	31.7	12.7	52.7



#12
 1,3-Dichlorobenzene
 Concen: 9.564 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

Tgt Ion:	146	Resp:	98782
Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.9	77.9
75	29.9	23.7	35.5

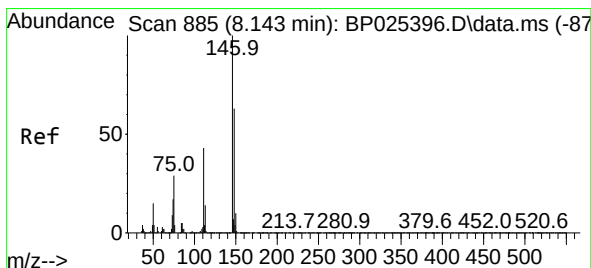
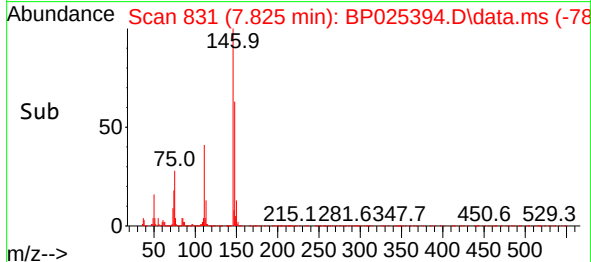
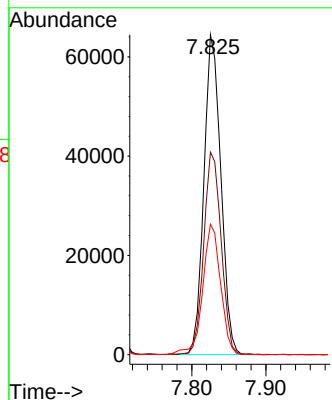
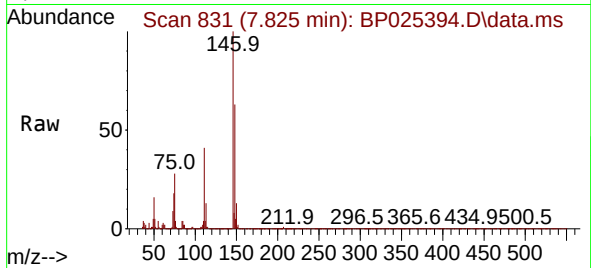




#13
1,4-Dichlorobenzene
Concen: 9.731 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

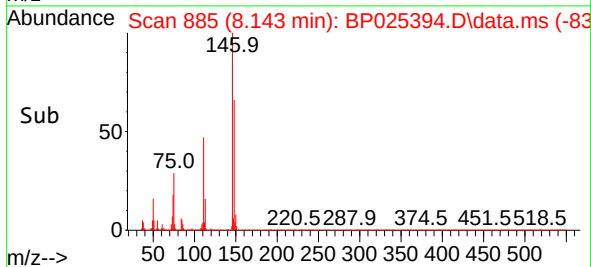
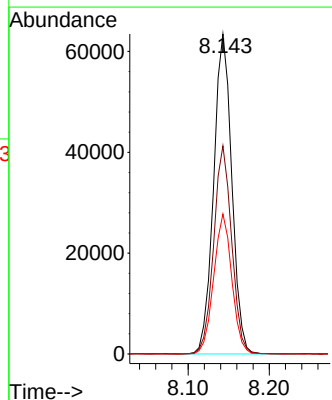
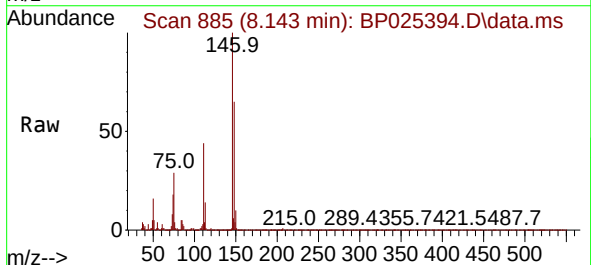
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

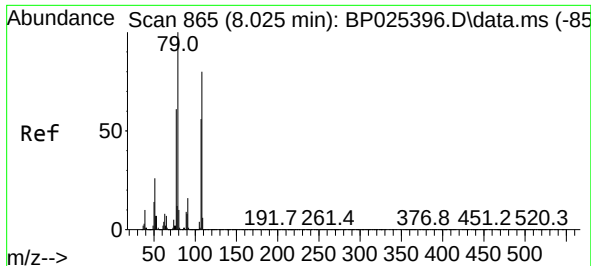
Tgt Ion:146 Resp: 102729
Ion Ratio Lower Upper
146 100
148 63.3 51.6 77.4
111 40.8 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 9.647 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 98589
Ion Ratio Lower Upper
146 100
148 65.1 50.4 75.6
111 43.7 34.5 51.7

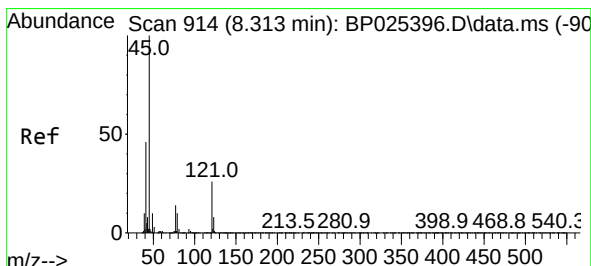
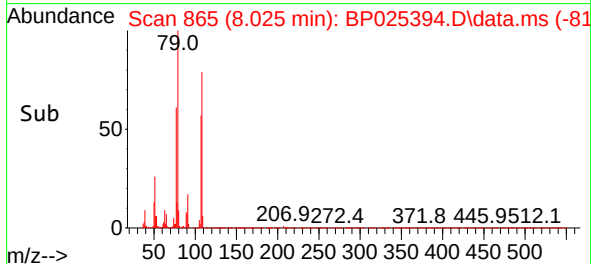
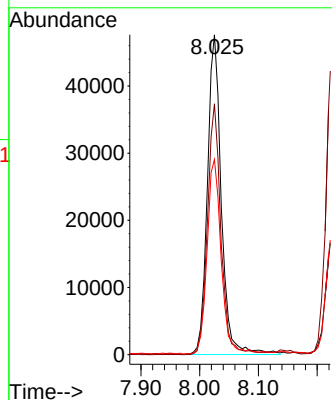
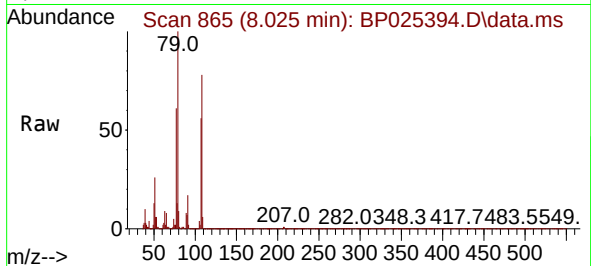




#15
Benzyl Alcohol
Concen: 9.273 ng
RT: 8.025 min Scan# 865
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

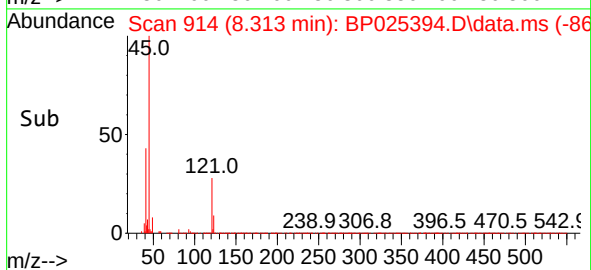
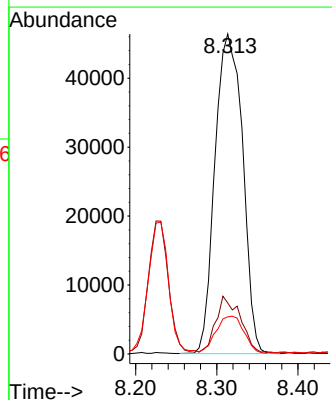
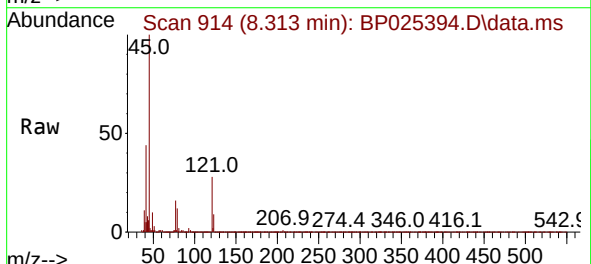
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

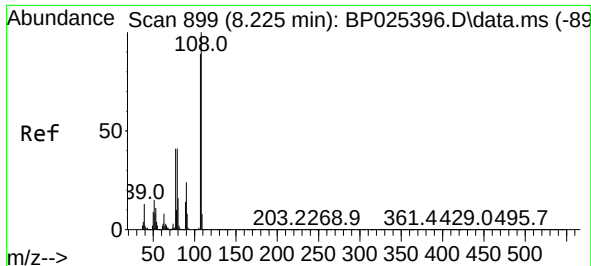
Tgt Ion:	79	Resp:	78411
Ion	Ratio	Lower	Upper
79	100		
108	78.4	63.8	95.6
77	61.0	49.0	73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.412 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	45	Resp:	109744
Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.0	35.3
79	11.6	0.0	31.8

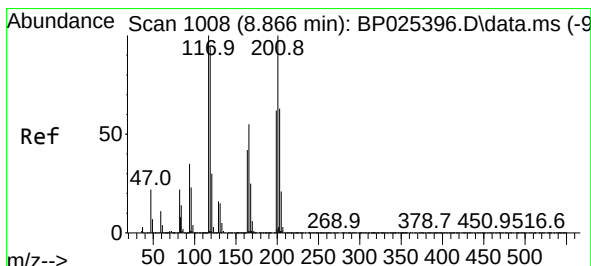
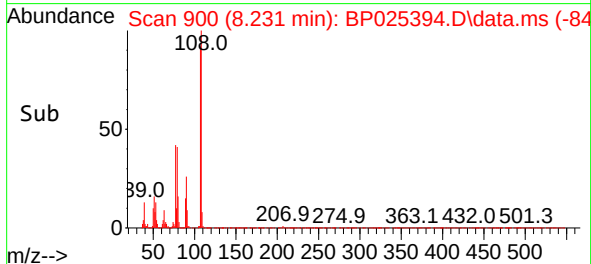
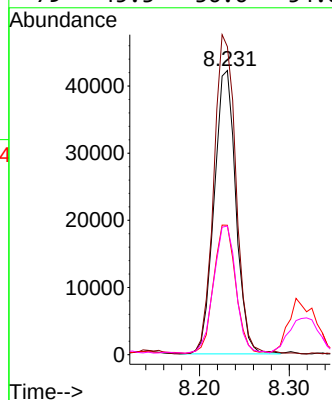
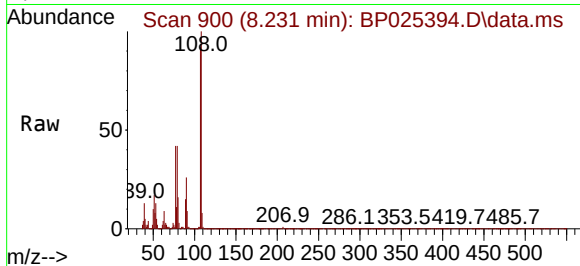




#17
2-Methylphenol
Concen: 9.153 ng
RT: 8.231 min Scan# 900
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

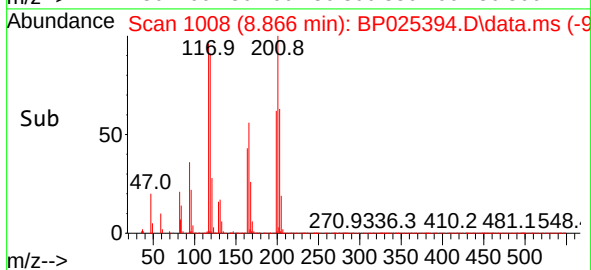
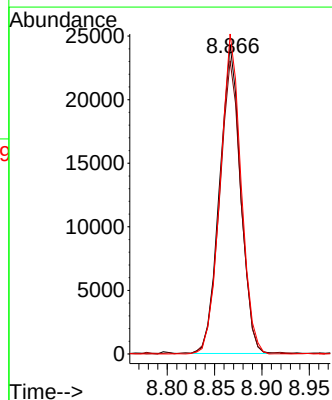
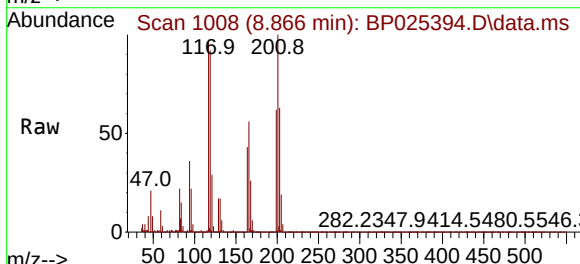
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

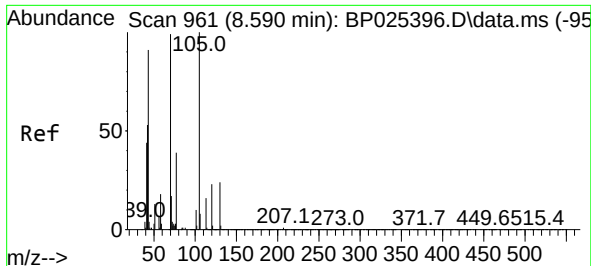
Tgt Ion:	107	Resp:	70991
Ion	Ratio	Lower	Upper
107	100		
108	108.4	89.4	134.0
77	45.5	36.3	54.5
79	45.3	36.6	54.8



#18
Hexachloroethane
Concen: 9.654 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	117	Resp:	37473
Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.1	112.7
201	103.5	80.1	120.1

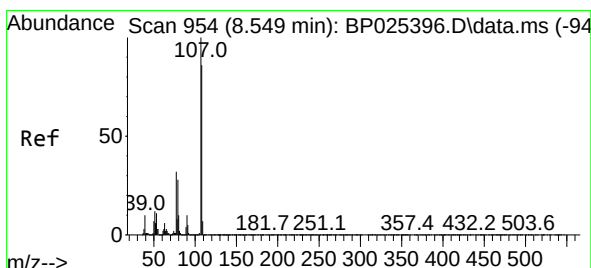
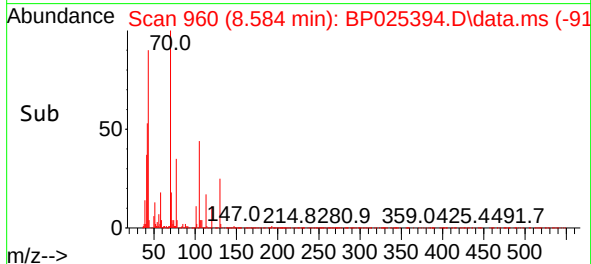
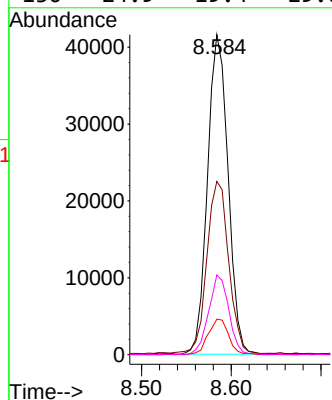
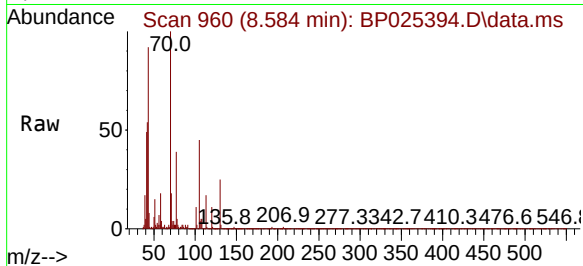




#19
n-Nitroso-di-n-propylamine
Concen: 9.366 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

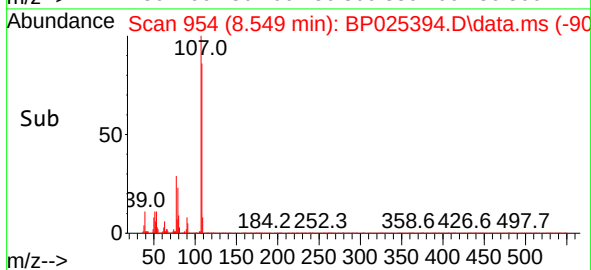
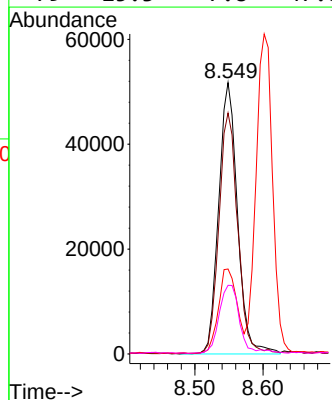
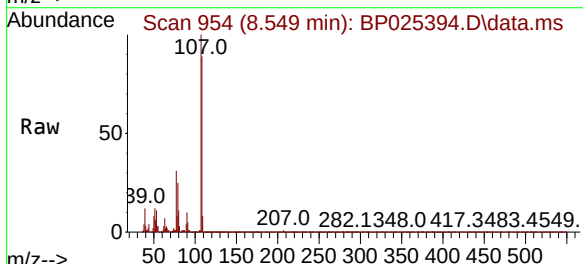
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

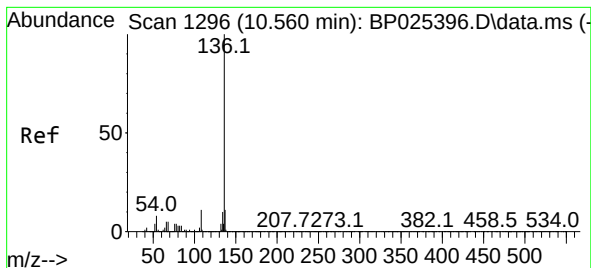
Tgt Ion:	70	Resp:	66105
Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.8	65.6
101	11.1	8.5	12.7
130	24.9	19.4	29.0



#20
3+4-Methylphenols
Concen: 9.244 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	107	Resp:	99382
Ion	Ratio	Lower	Upper
107	100		
108	88.8	66.3	106.3
77	31.3	12.3	52.3
79	25.3	7.8	47.8

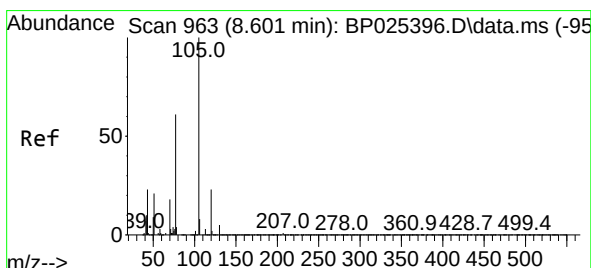
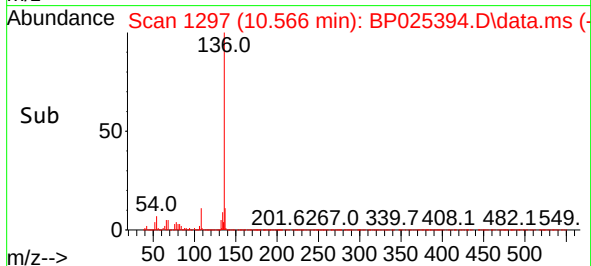
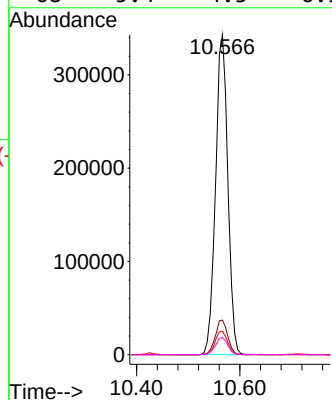
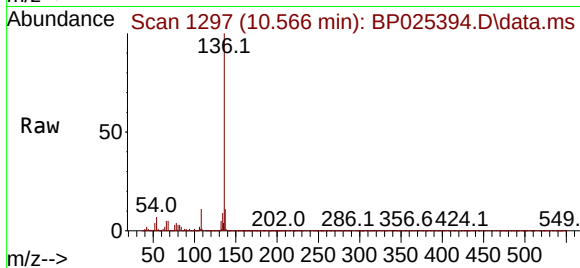




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

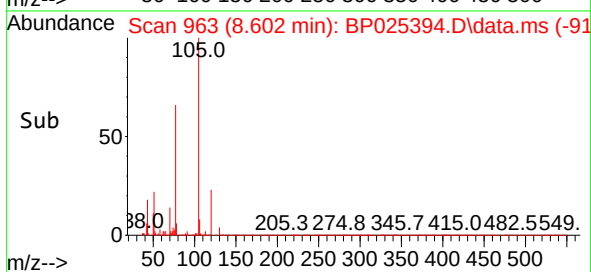
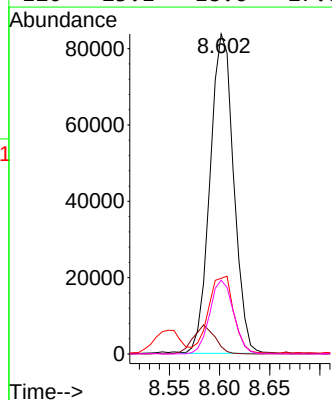
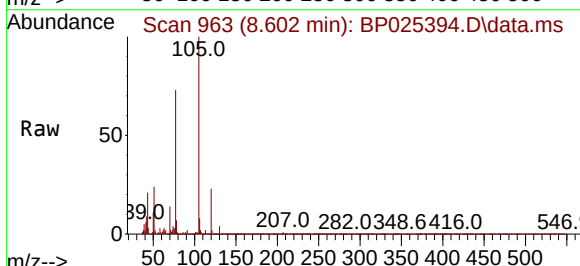
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

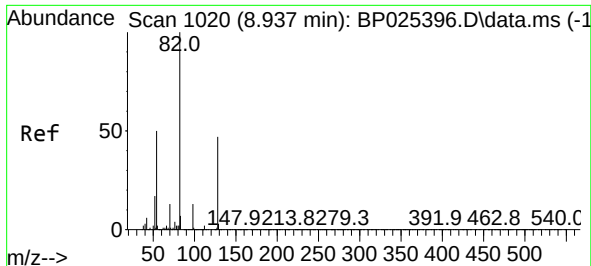
Tgt Ion:	136	Resp:	563995
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.3	6.0	9.0
68	5.4	4.3	6.5



#22
Acetophenone
Concen: 9.712 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	105	Resp:	137361
Ion	Ratio	Lower	Upper
105	100		
71	2.3	2.6	4.0#
51	23.7	20.6	30.8
120	23.1	18.6	27.8

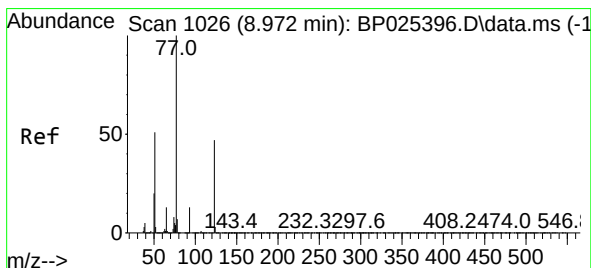
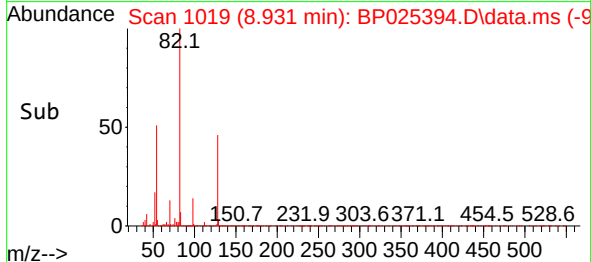
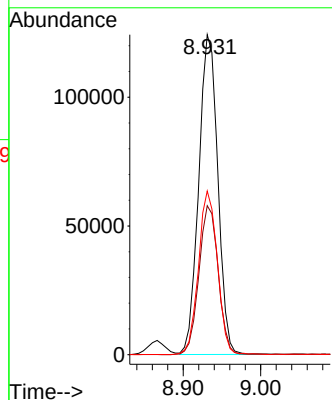
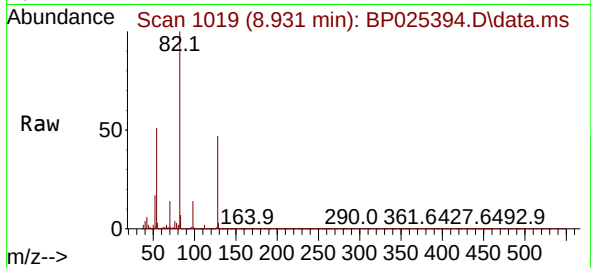




#23
Nitrobenzene-d5
Concen: 19.036 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

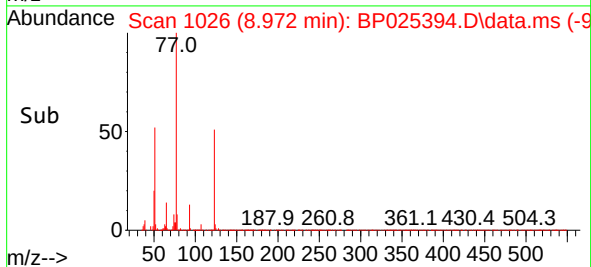
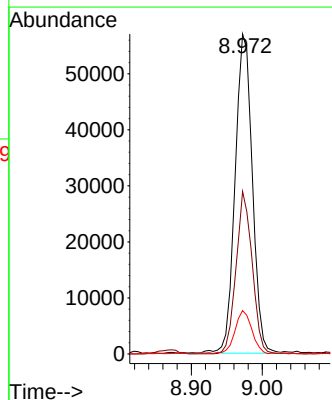
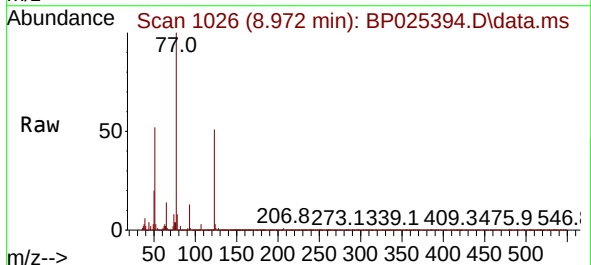
Instrument :
BNA_P
ClientSampleId :
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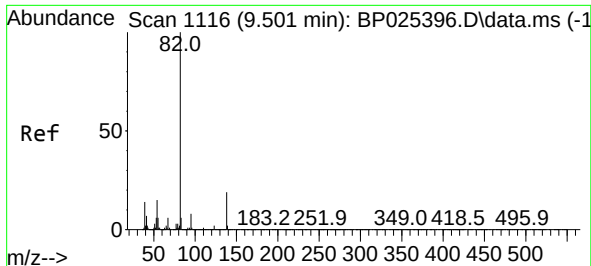
Tgt Ion: 82 Resp: 212236
Ion Ratio Lower Upper
82 100
128 46.6 37.7 56.5
54 51.2 39.8 59.6



#24
Nitrobenzene
Concen: 9.685 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 77 Resp: 96502
Ion Ratio Lower Upper
77 100
123 50.8 38.6 58.0
65 13.6 10.6 15.8

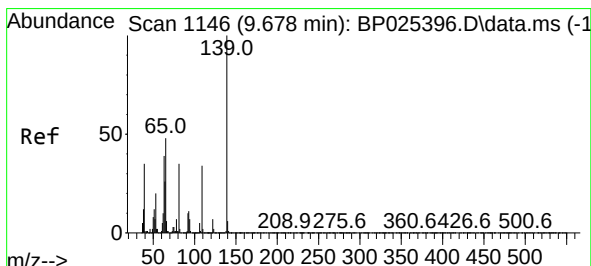
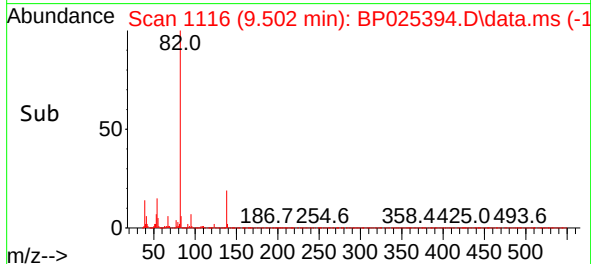
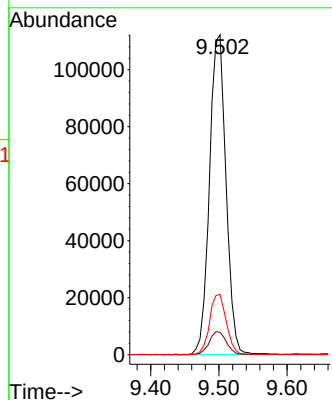
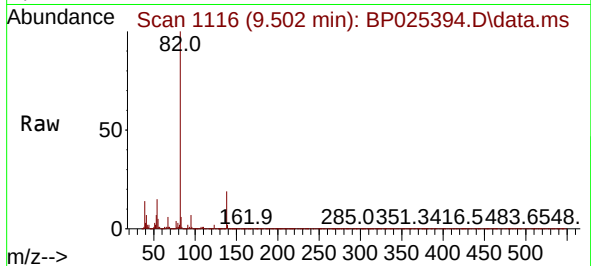




#25
Isophorone
Concen: 9.604 ng
RT: 9.502 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

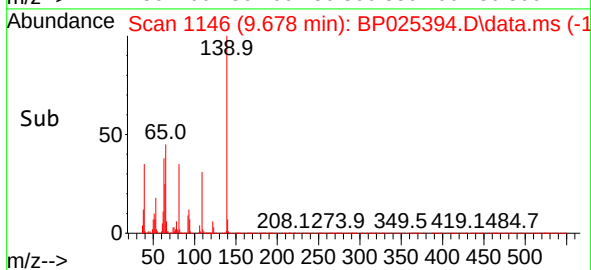
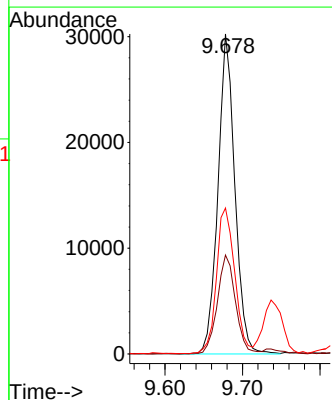
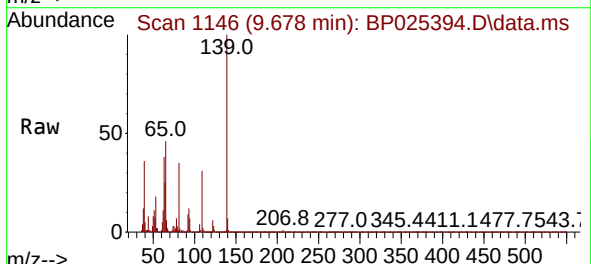
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

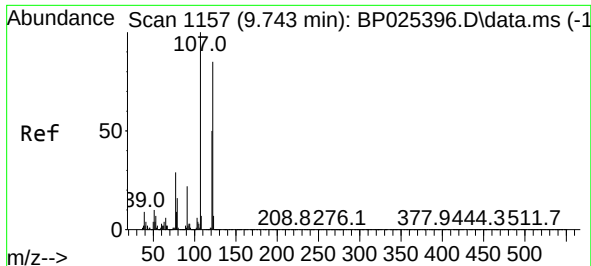
Tgt Ion: 82 Resp: 189510
Ion Ratio Lower Upper
82 100
95 7.0 6.4 9.6
138 18.8 15.4 23.0



#26
2-Nitrophenol
Concen: 8.968 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 139 Resp: 45860
Ion Ratio Lower Upper
139 100
109 30.9 26.9 40.3
65 45.6 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 9.718 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

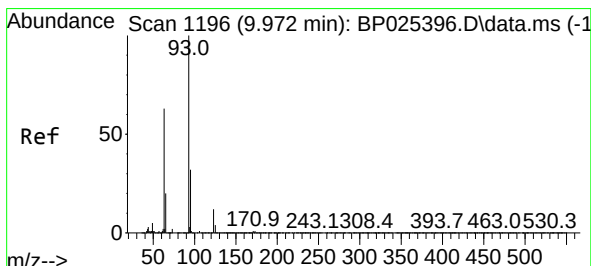
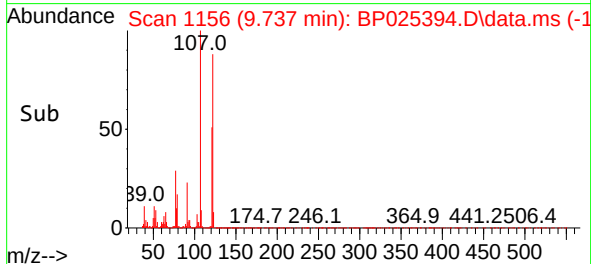
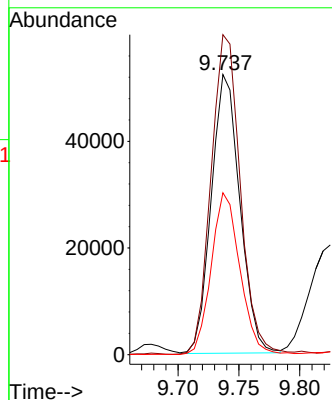
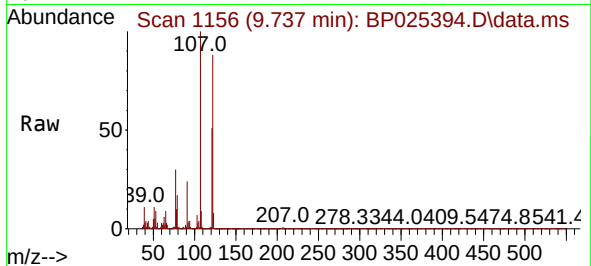
Tgt Ion:122 Resp: 85465

Ion Ratio Lower Upper

122 100

107 114.2 93.7 140.5

121 57.8 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 9.611 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

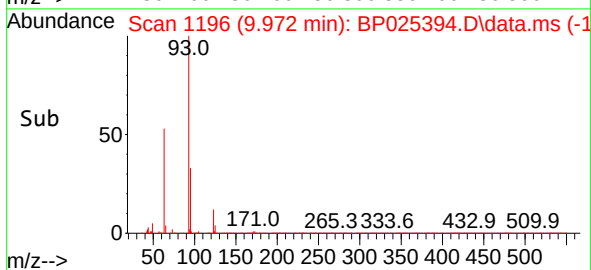
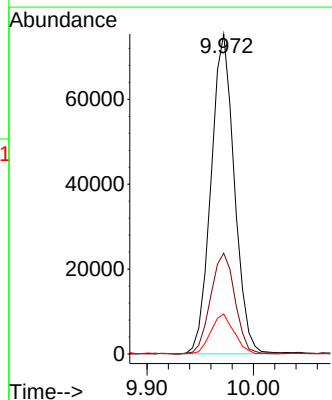
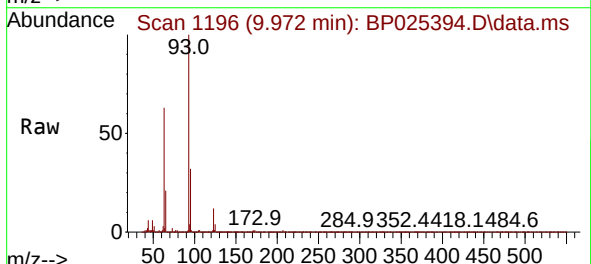
Tgt Ion: 93 Resp: 114635

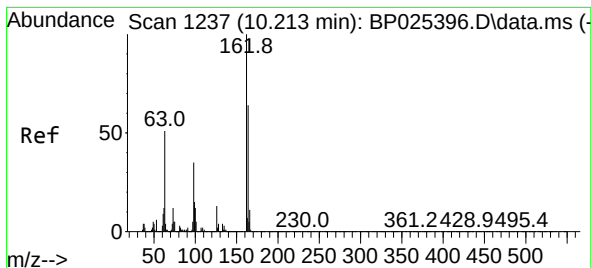
Ion Ratio Lower Upper

93 100

95 31.5 25.4 38.0

123 12.5 9.4 14.0

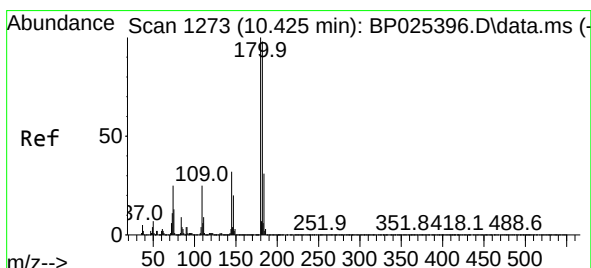
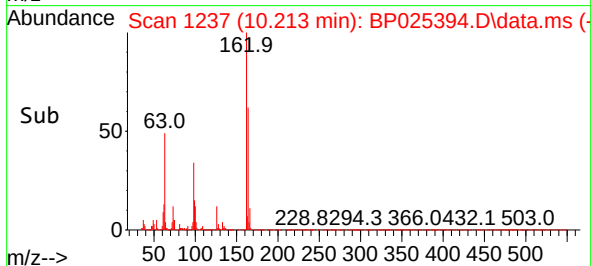
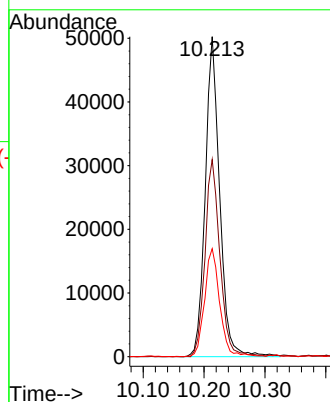
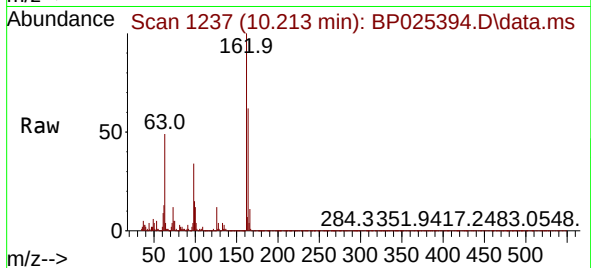




#29
2,4-Dichlorophenol
Concen: 9.464 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

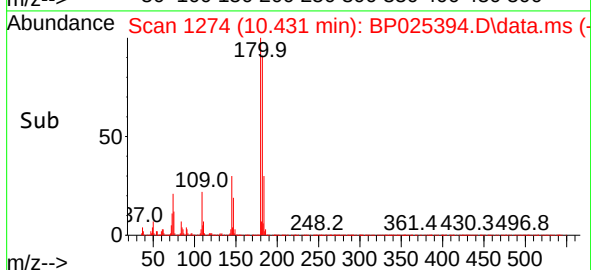
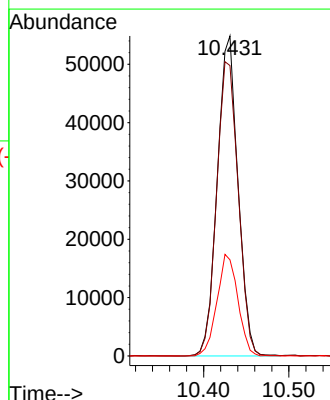
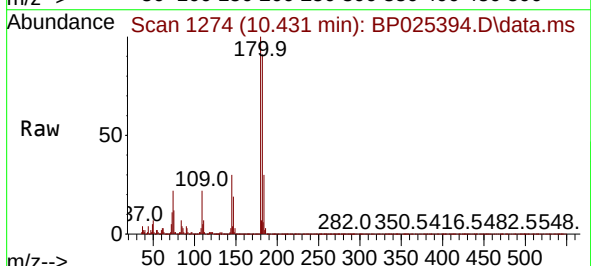
Instrument :
BNA_P
ClientSampleId :
SSTDIC010

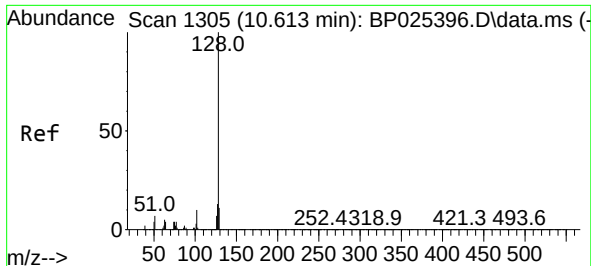
Tgt Ion:	162	Resp:	82676
Ion Ratio	Lower	Upper	
162	100		
164	61.6	44.4	84.4
98	33.8	14.9	54.9



#30
1,2,4-Trichlorobenzene
Concen: 9.676 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	180	Resp:	92664
Ion Ratio	Lower	Upper	
180	100		
182	90.7	78.0	117.0
145	30.1	25.9	38.9

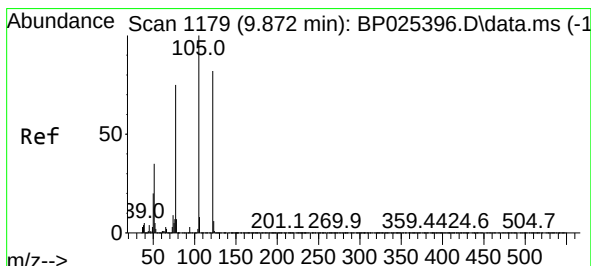
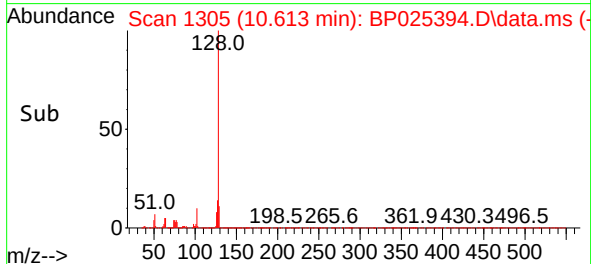
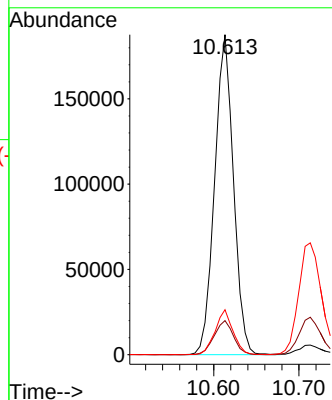
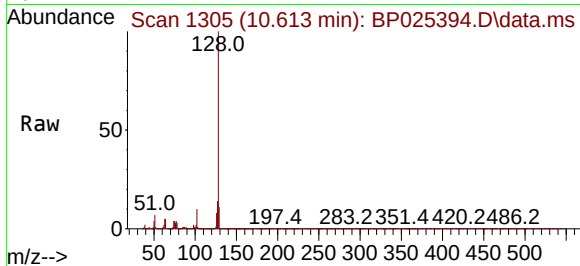




#31
Naphthalene
Concen: 9.816 ng
RT: 10.613 min Scan# 111
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

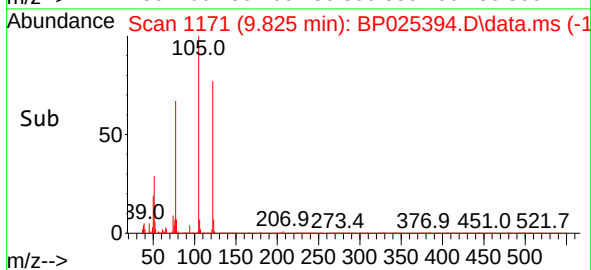
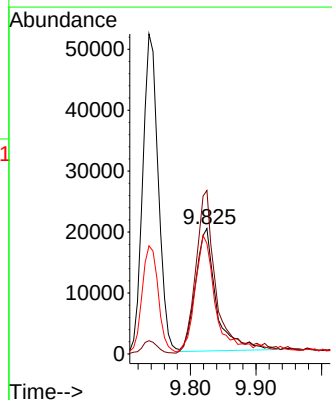
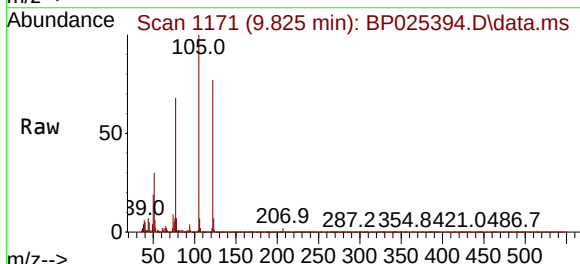
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

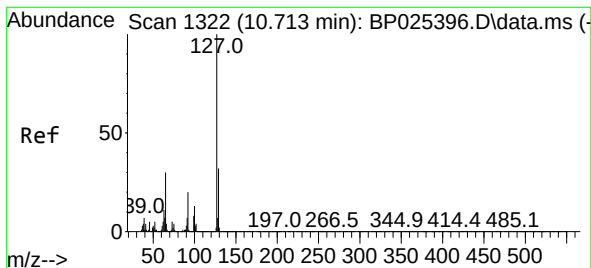
Tgt Ion:128 Resp: 287754
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 14.0 10.7 16.1



#32
Benzoic acid
Concen: 6.856 ng
RT: 9.825 min Scan# 1171
Delta R.T. -0.047 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:122 Resp: 44404
Ion Ratio Lower Upper
122 100
105 130.4 100.6 140.6
77 88.0 71.5 111.5

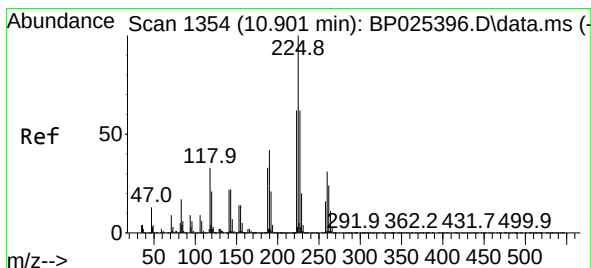
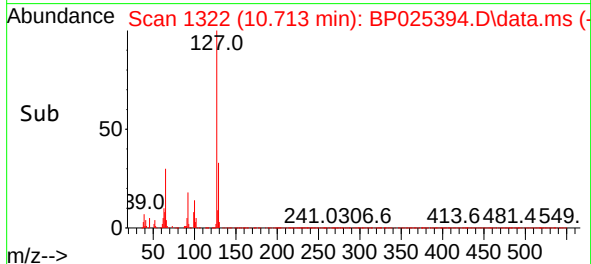
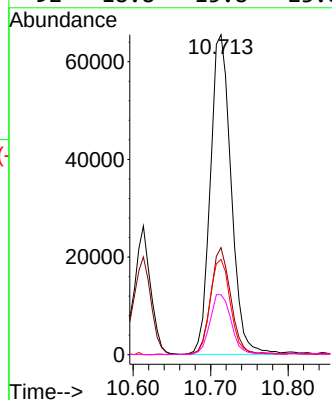
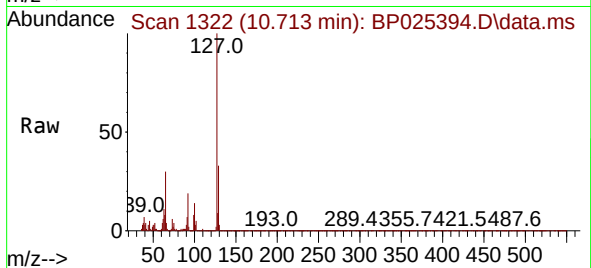




#33
4-Chloroaniline
Concen: 9.472 ng
RT: 10.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

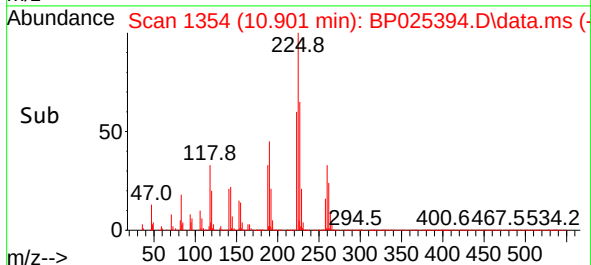
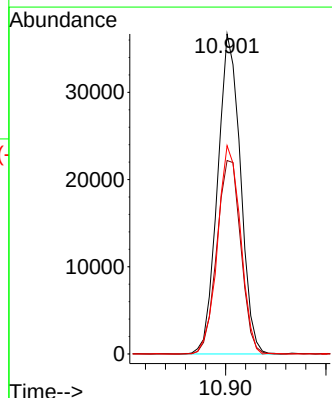
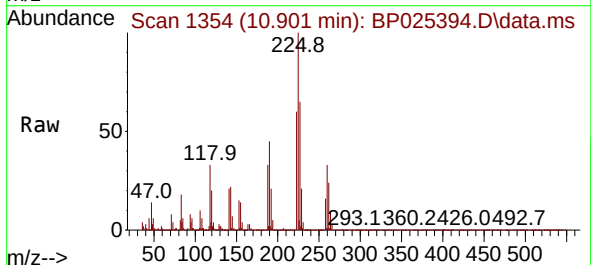
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

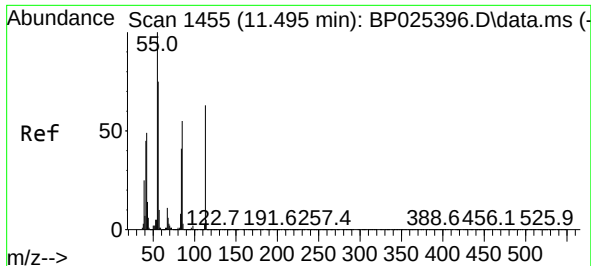
Tgt Ion:	127	Resp:	122647
Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.4	38.2
65	29.7	23.8	35.6
92	18.8	15.8	23.8



#34
Hexachlorobutadiene
Concen: 9.695 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	225	Resp:	57821
Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.0	75.0
227	65.1	49.7	74.5

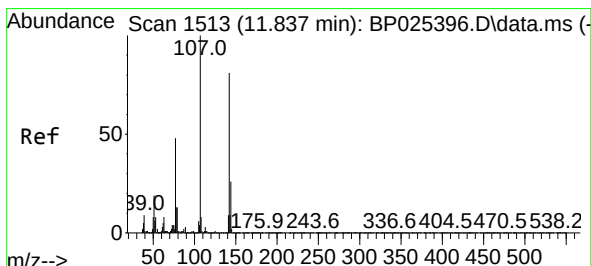
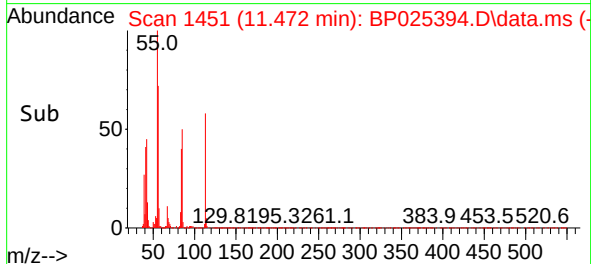
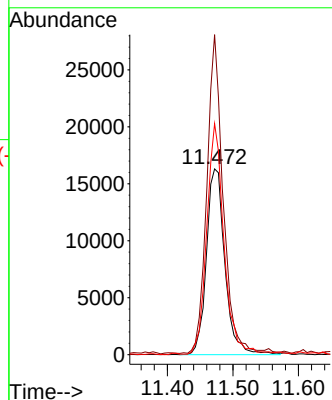
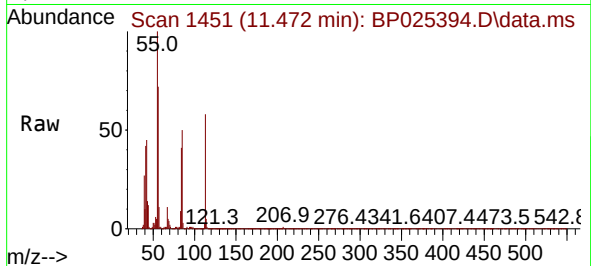




#35
Caprolactam
Concen: 10.001 ng
RT: 11.472 min Scan# 1455
Delta R.T. -0.023 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

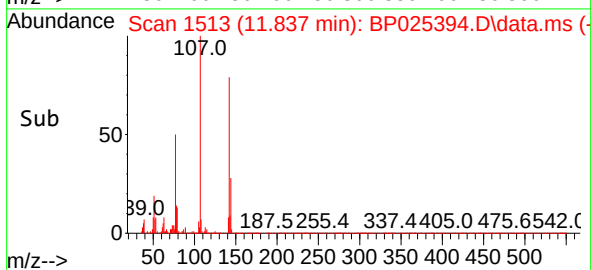
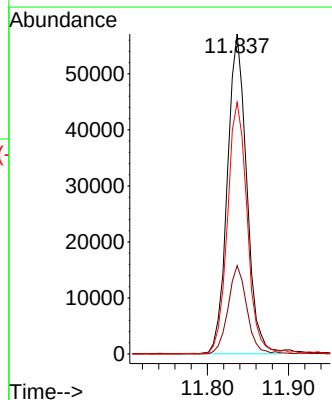
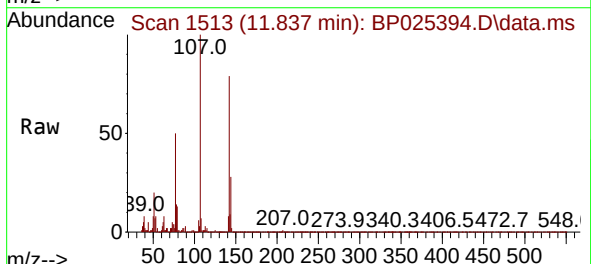
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

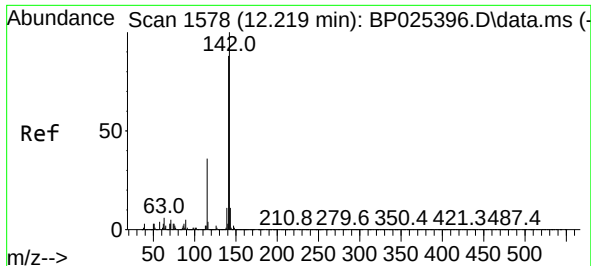
Tgt Ion:113 Resp: 32038
Ion Ratio Lower Upper
113 100
55 172.3 140.0 180.0
56 124.4 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 9.431 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 94538
Ion Ratio Lower Upper
107 100
144 27.6 21.0 31.4
142 78.6 64.6 97.0

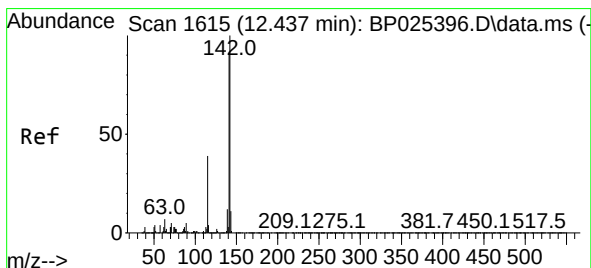
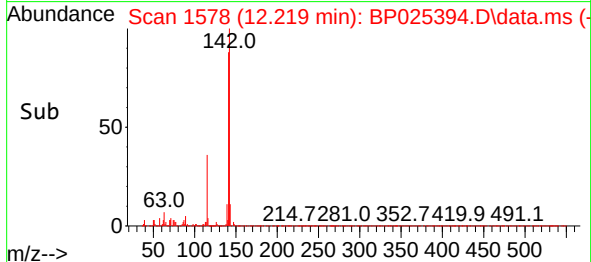
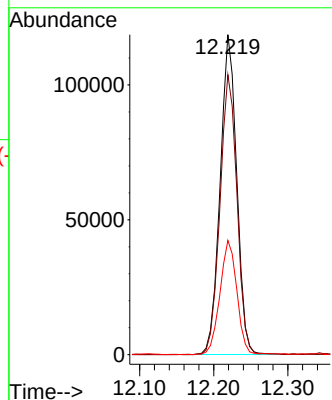
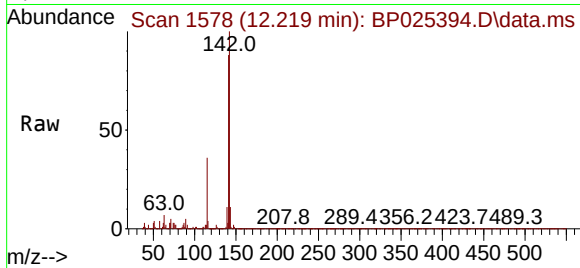




#37
2-Methylnaphthalene
Concen: 9.654 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

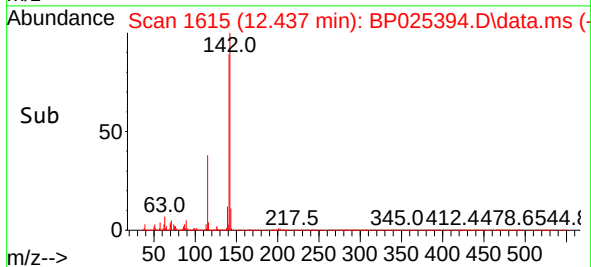
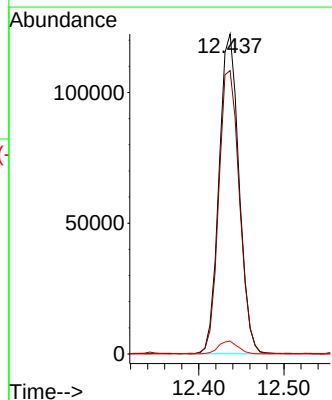
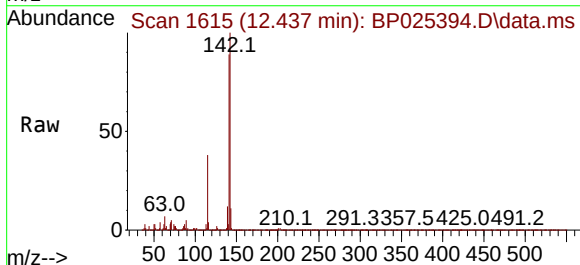
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

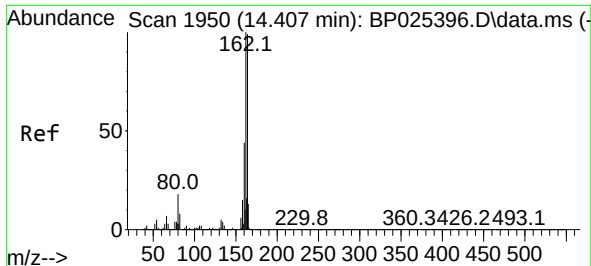
Tgt Ion:142 Resp: 184172
Ion Ratio Lower Upper
142 100
141 87.5 70.3 105.5
115 35.7 28.9 43.3



#38
1-Methylnaphthalene
Concen: 9.817 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:142 Resp: 199160
Ion Ratio Lower Upper
142 100
141 88.6 73.1 109.7
116 4.0 3.2 4.8

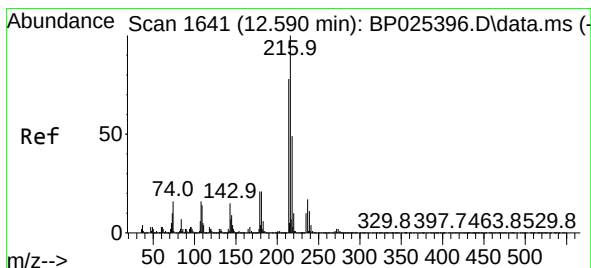
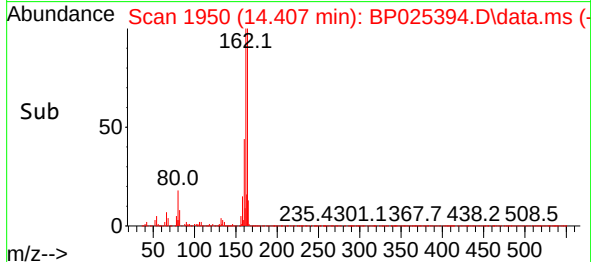
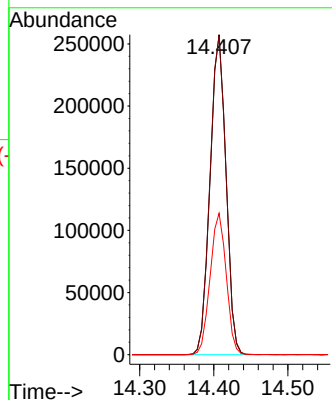
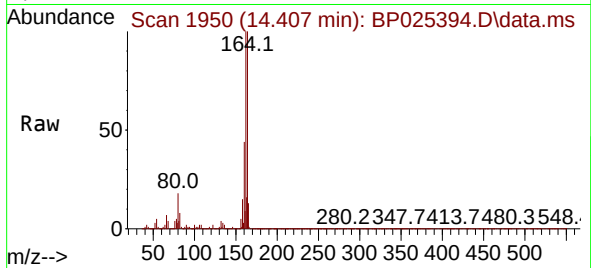




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

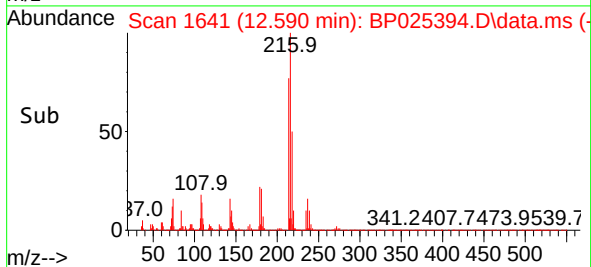
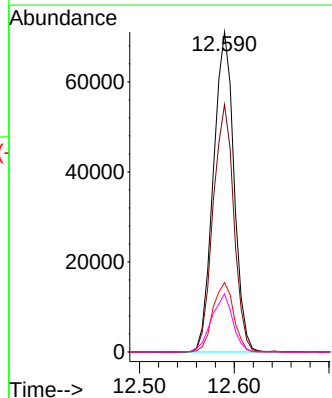
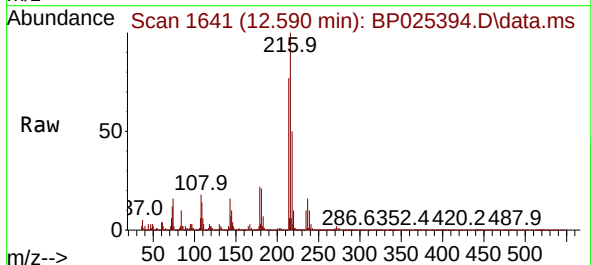
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

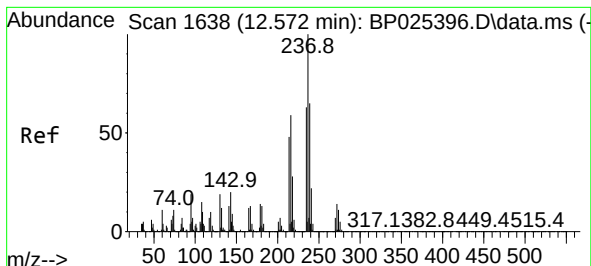
Tgt Ion:164 Resp: 383199
Ion Ratio Lower Upper
164 100
162 99.7 81.0 121.6
160 44.2 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.678 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:216 Resp: 107104
Ion Ratio Lower Upper
216 100
214 77.8 63.0 94.4
179 22.0 17.1 25.7
108 18.7 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 7.867 ng

RT: 12.572 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

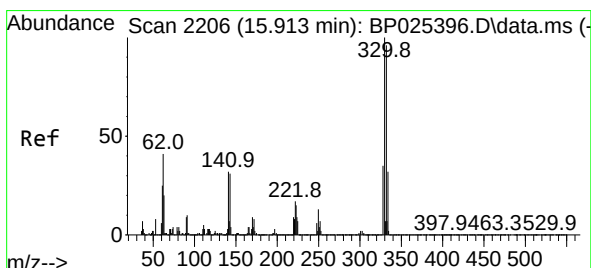
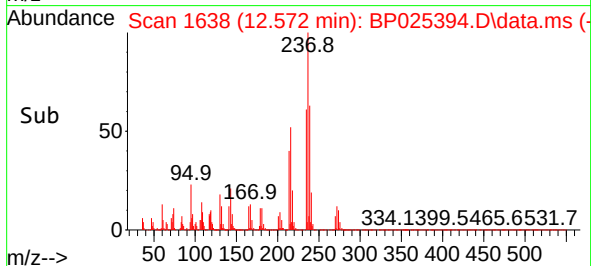
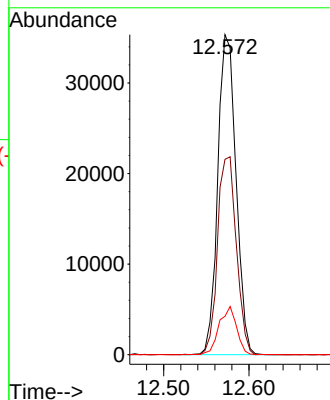
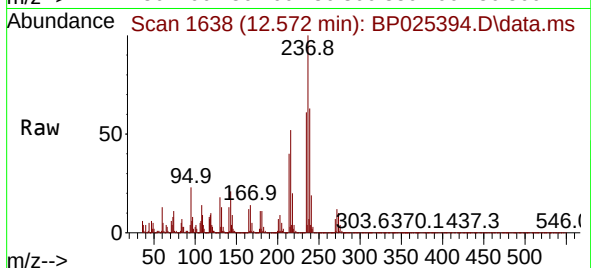
Tgt Ion:237 Resp: 52588

Ion Ratio Lower Upper

237 100

235 61.1 42.7 82.7

272 12.0 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 19.210 ng

RT: 15.919 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

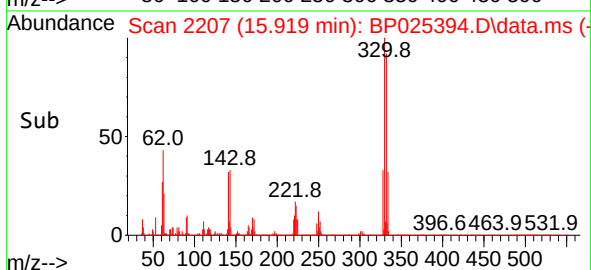
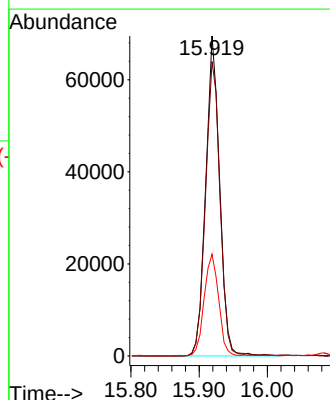
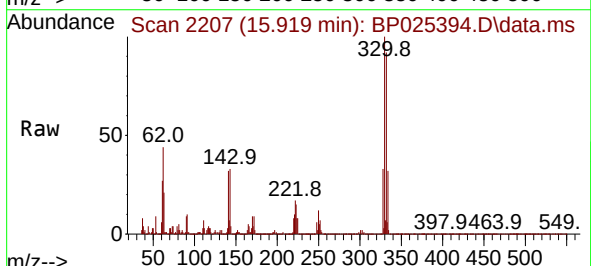
Tgt Ion:330 Resp: 99083

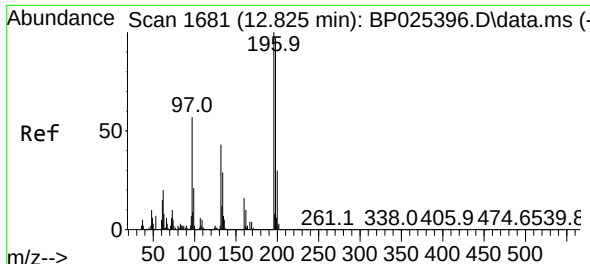
Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

141 33.1 26.6 39.8

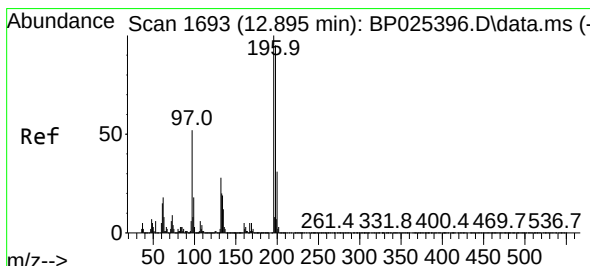
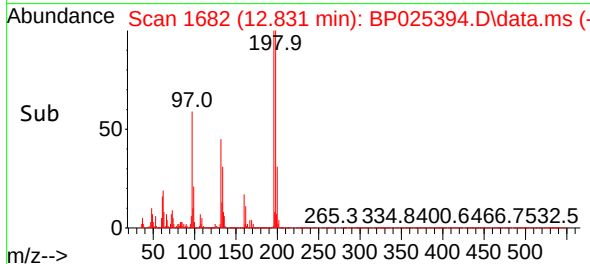
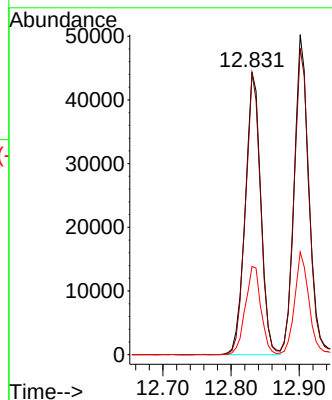
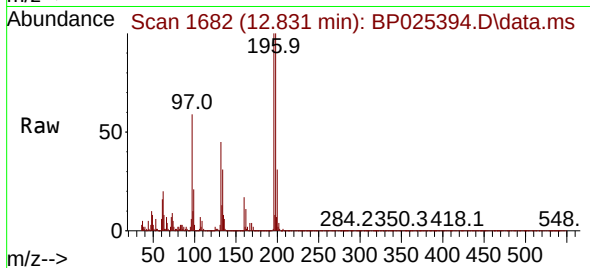




#43
2,4,6-Trichlorophenol
Concen: 9.339 ng
RT: 12.831 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

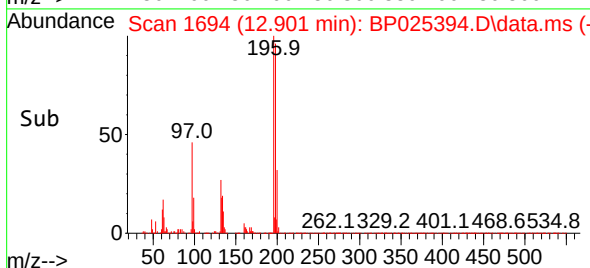
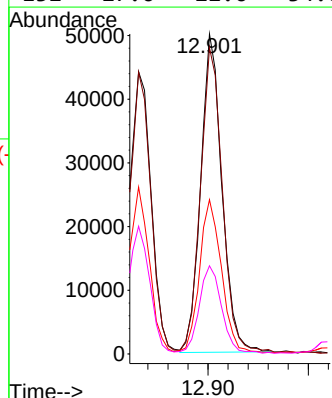
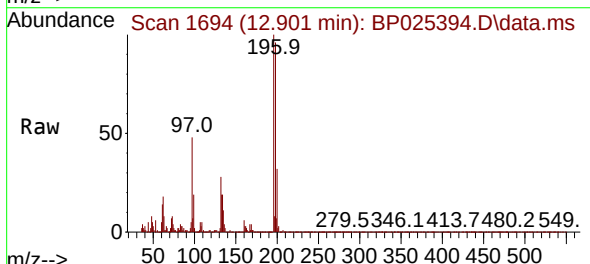
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

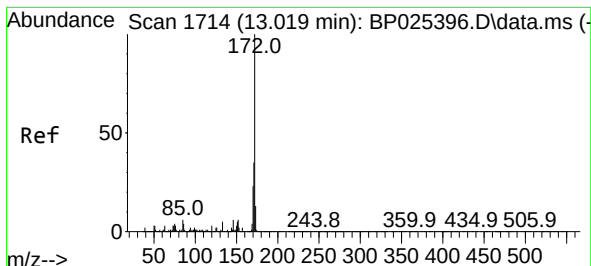
Tgt Ion:196 Resp: 69780
Ion Ratio Lower Upper
196 100
198 99.9 77.2 115.8
200 31.3 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 9.006 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:196 Resp: 73744
Ion Ratio Lower Upper
196 100
198 95.7 76.2 114.2
97 48.2 41.2 61.8
132 27.6 22.6 34.0

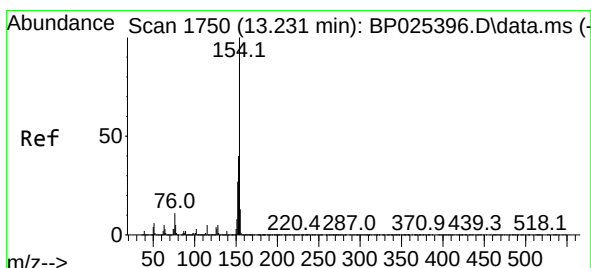
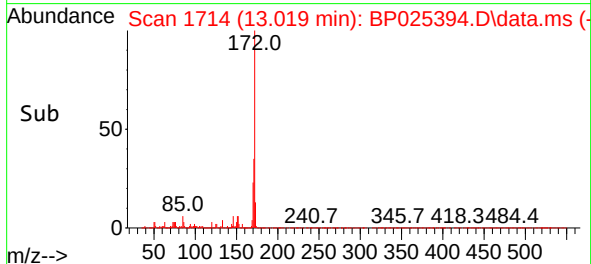
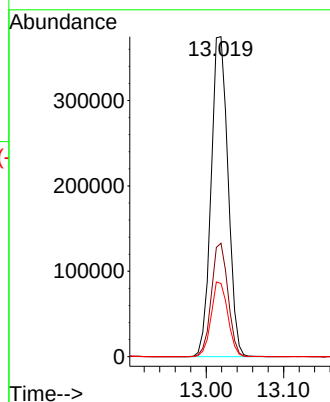
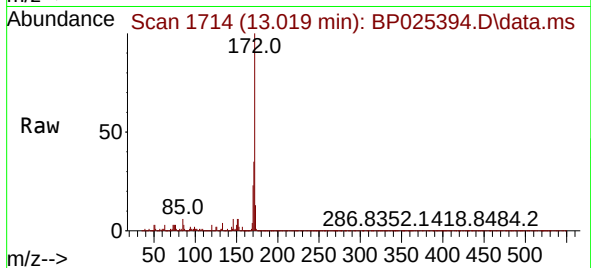




#45
2-Fluorobiphenyl
Concen: 20.271 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

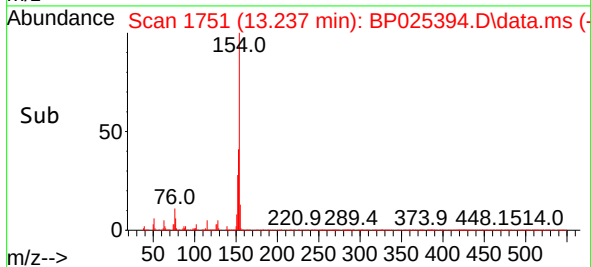
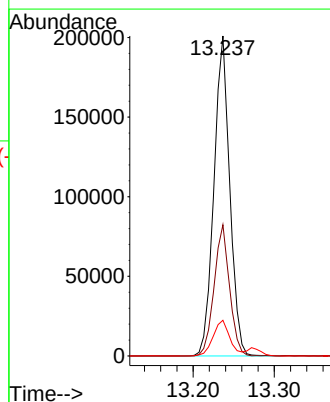
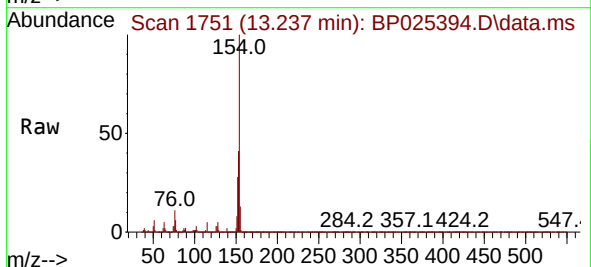
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

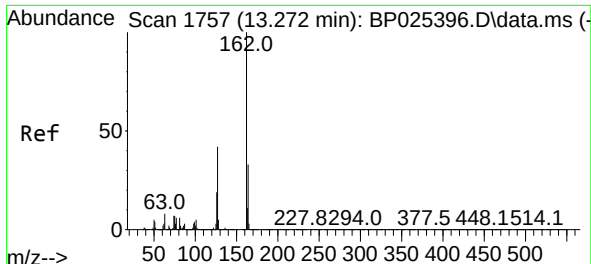
Tgt Ion:172 Resp: 568359
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 22.9 18.6 28.0



#46
1,1'-Biphenyl
Concen: 9.763 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 271710
Ion Ratio Lower Upper
154 100
153 41.0 19.5 59.5
76 11.2 0.0 31.1

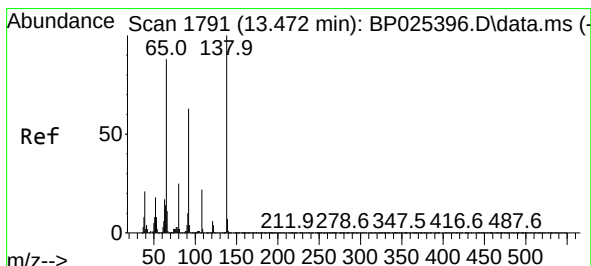
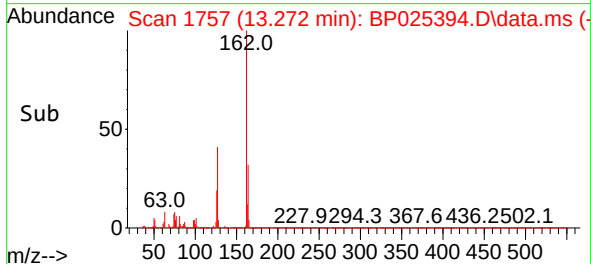
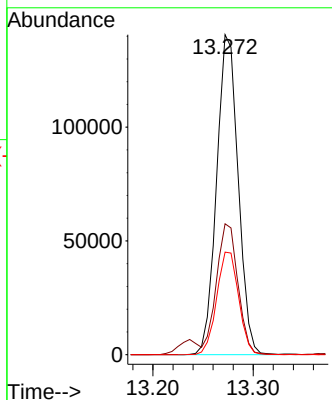
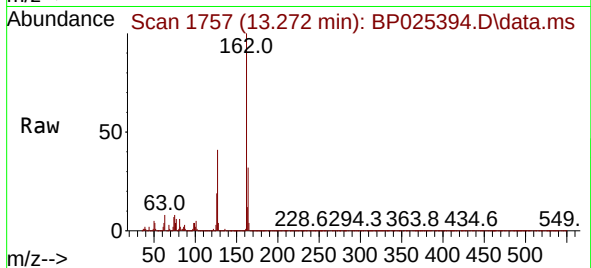




#47
2-Chloronaphthalene
Concen: 9.666 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

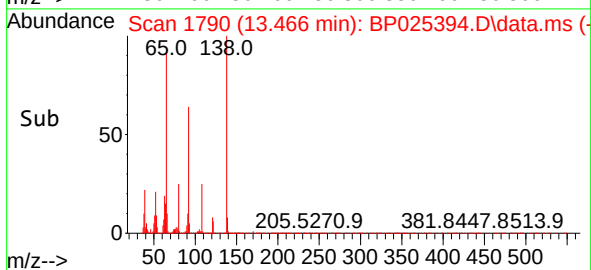
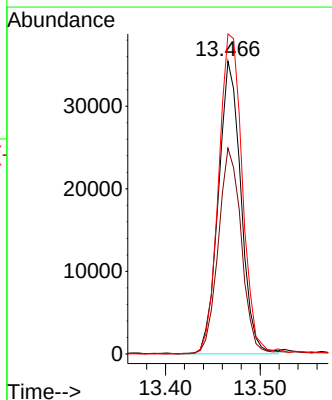
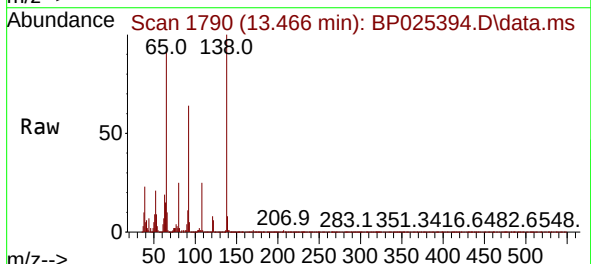
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

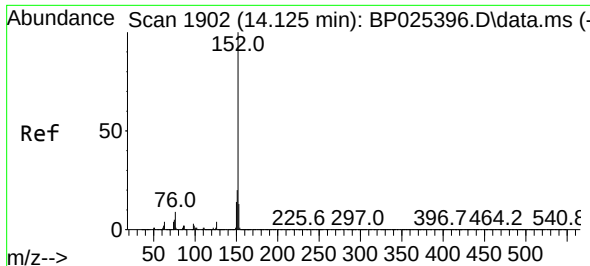
Tgt Ion:	162	Resp:	209419
Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.4	50.2
164	32.0	26.2	39.2



#48
2-Nitroaniline
Concen: 9.287 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	65	Resp:	58630
Ion	Ratio	Lower	Upper
65	100		
92	70.3	57.6	86.4
138	109.3	91.0	136.6

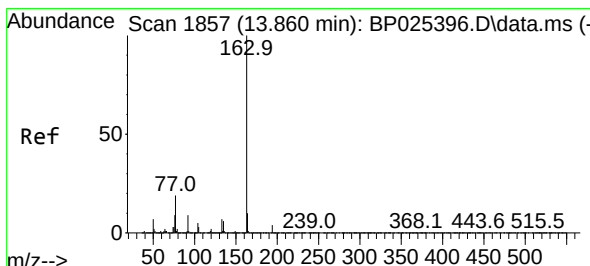
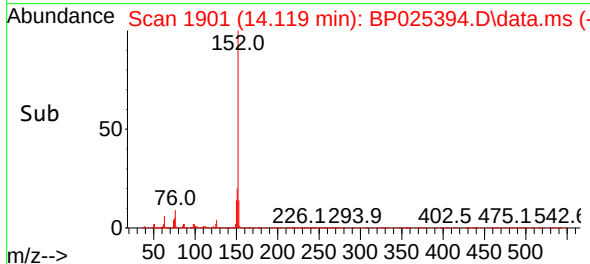
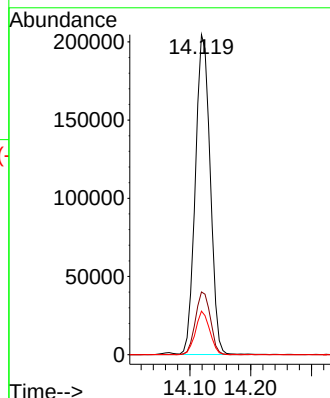
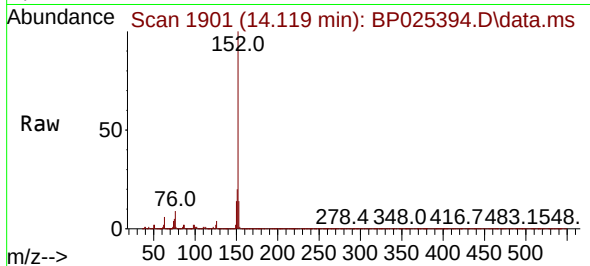




#49
Acenaphthylene
Concen: 9.652 ng
RT: 14.119 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

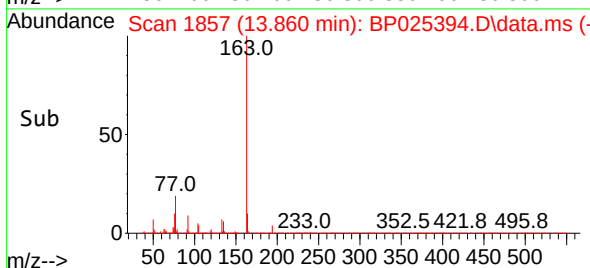
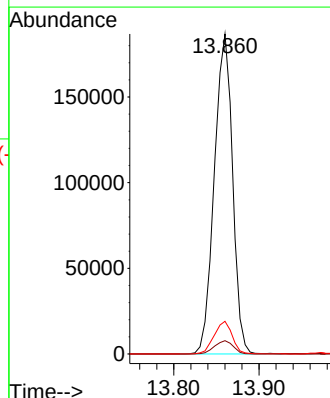
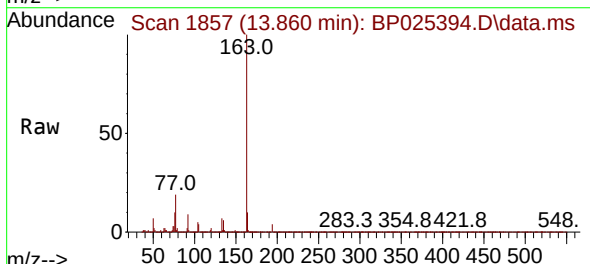
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

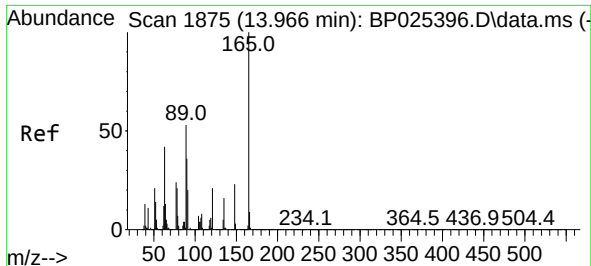
Tgt Ion:	152	Resp:	346021
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.0	24.0
153	13.6	10.6	15.8



#50
Dimethylphthalate
Concen: 9.896 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	163	Resp:	277701
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9

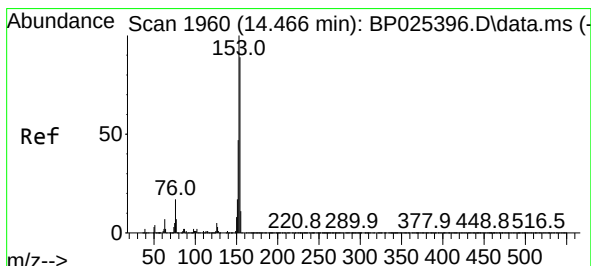
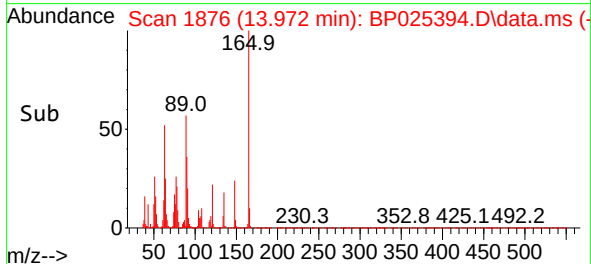
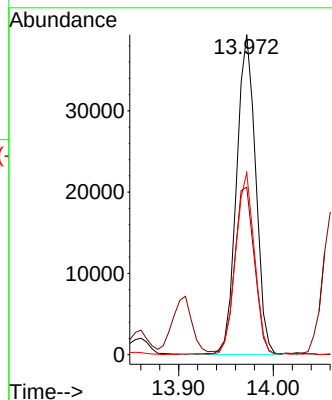
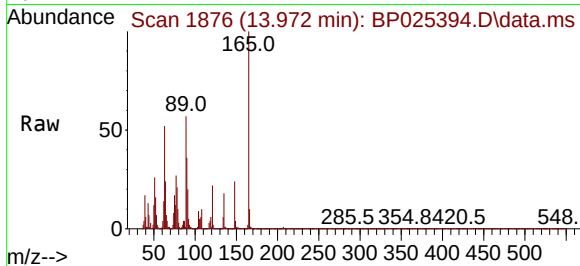




#51
2,6-Dinitrotoluene
Concen: 9.292 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

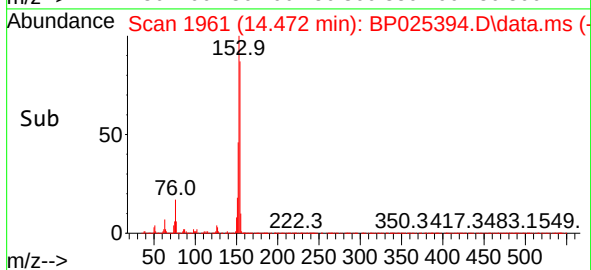
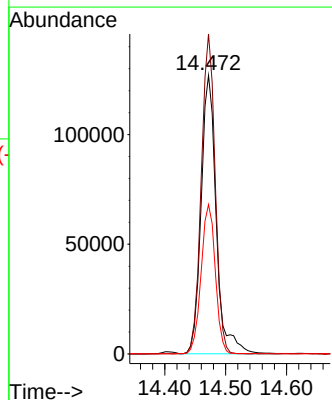
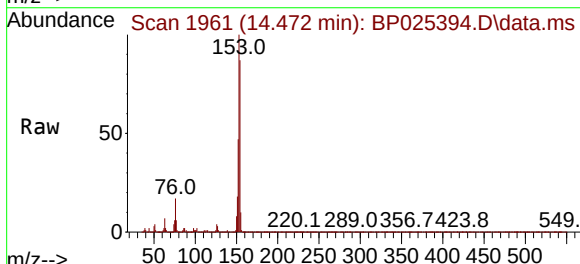
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

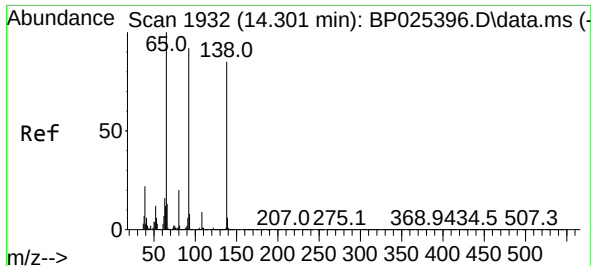
Tgt Ion:165 Resp: 54957
Ion Ratio Lower Upper
165 100
63 52.3 40.9 61.3
89 56.9 42.1 63.1



#52
Acenaphthene
Concen: 10.373 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 218284
Ion Ratio Lower Upper
154 100
153 114.8 90.2 135.2
152 53.6 42.1 63.1

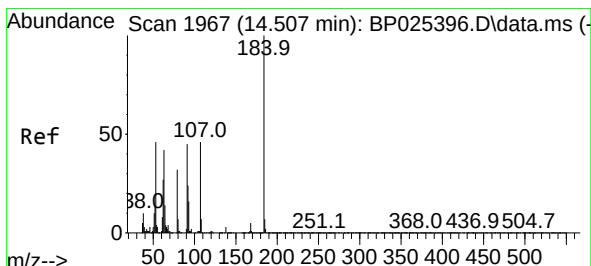
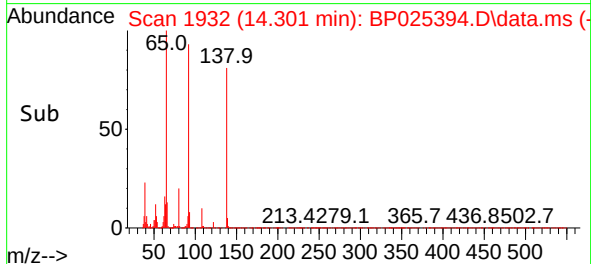
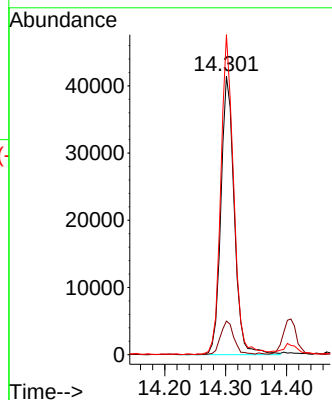
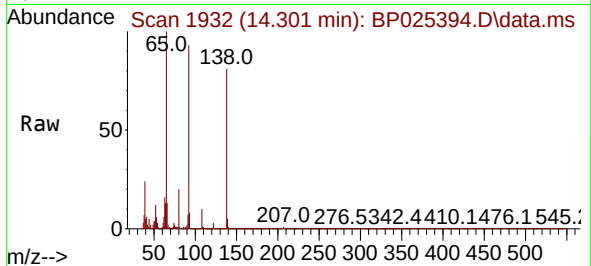




#53
3-Nitroaniline
Concen: 9.466 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

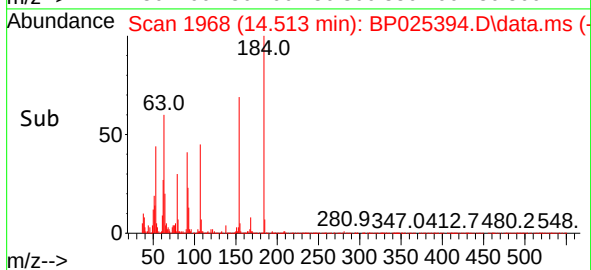
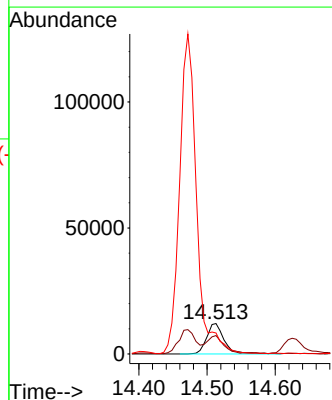
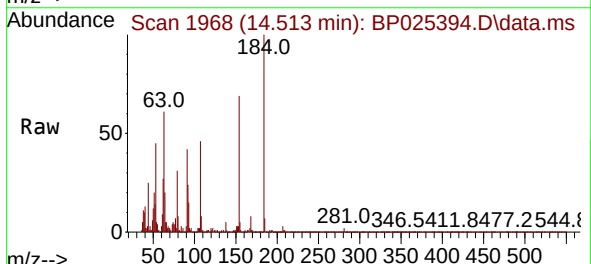
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

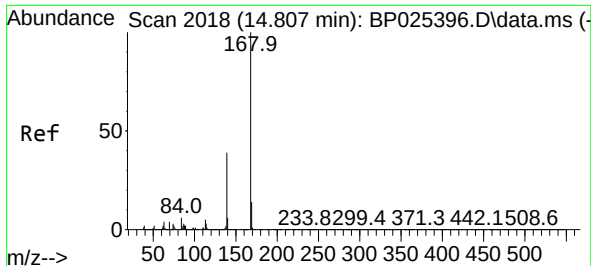
Tgt Ion:138 Resp: 62991
Ion Ratio Lower Upper
138 100
108 12.1 8.3 12.5
92 114.9 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 6.886 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:184 Resp: 21748
Ion Ratio Lower Upper
184 100
63 60.8 49.4 74.2
154 69.1 54.6 82.0

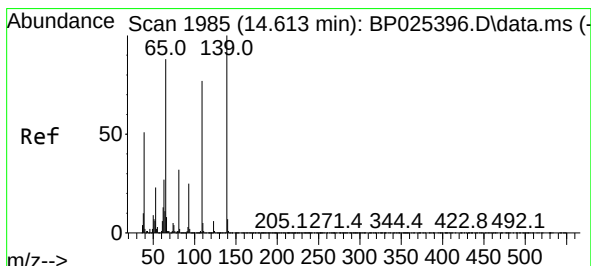
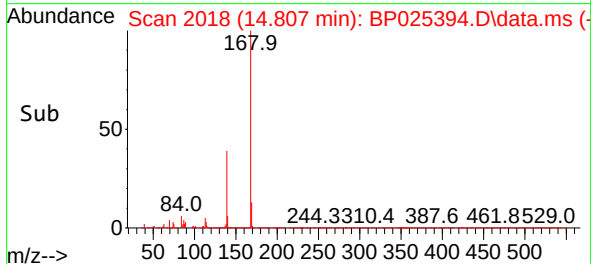
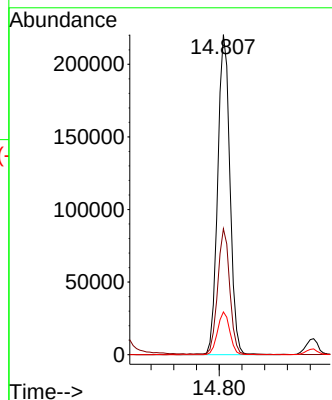
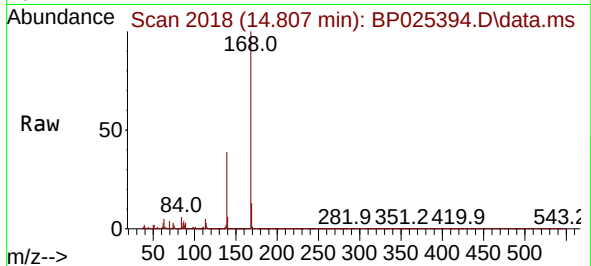




#55
Dibenzenofuran
Concen: 9.851 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

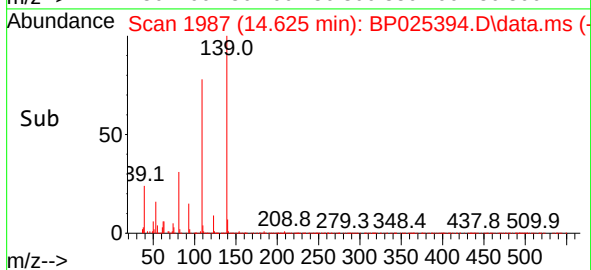
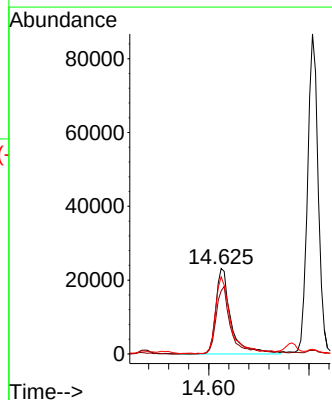
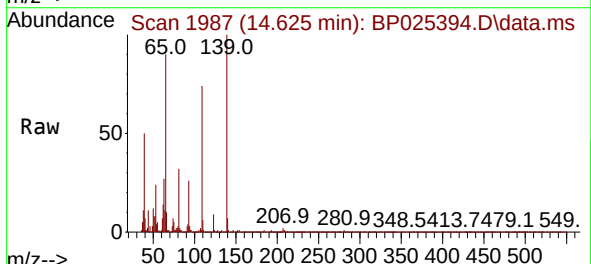
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

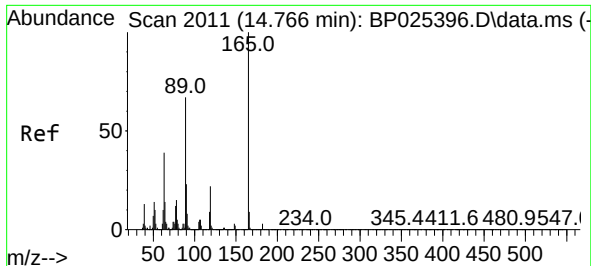
Tgt Ion:168 Resp: 327734
Ion Ratio Lower Upper
168 100
139 39.3 31.5 47.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 8.797 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:139 Resp: 48103
Ion Ratio Lower Upper
139 100
109 73.8 56.6 96.6
65 90.2 68.2 108.2

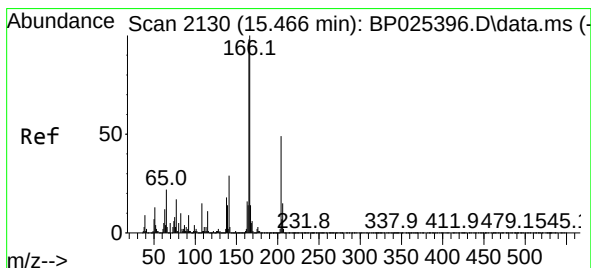
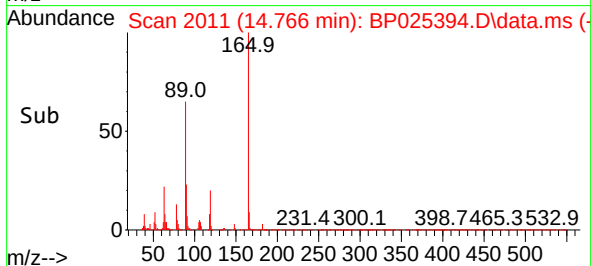
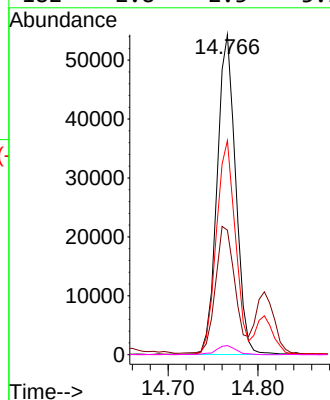
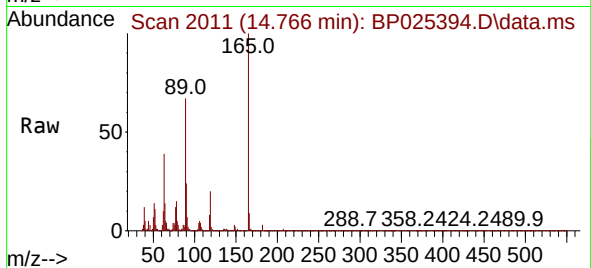




#57
2,4-Dinitrotoluene
Concen: 9.237 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

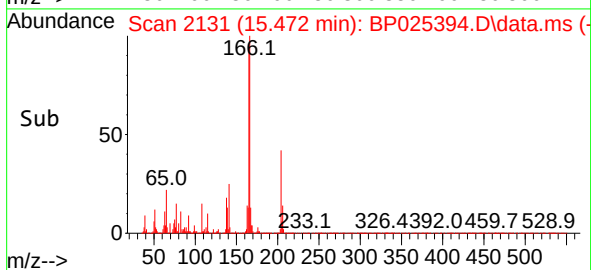
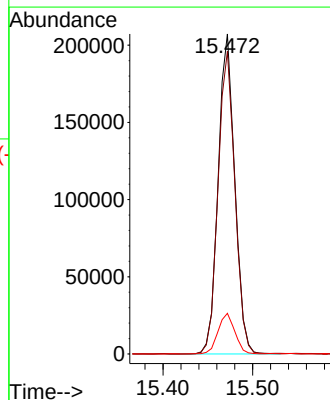
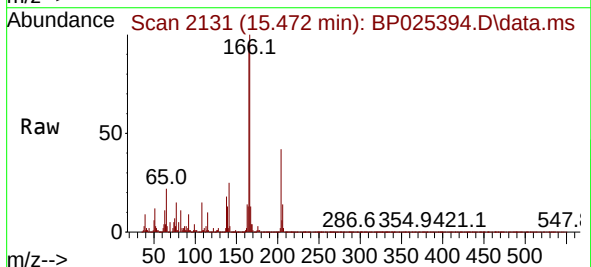
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

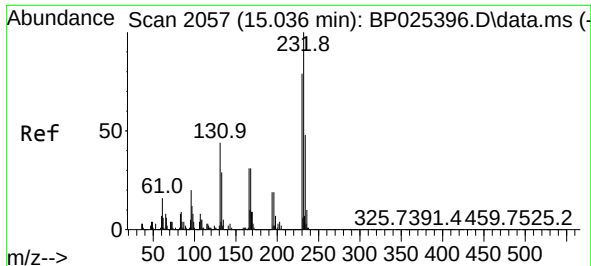
Tgt Ion:	165	Resp:	77950
Ion	Ratio	Lower	Upper
165	100		
63	38.9	31.4	47.2
89	66.9	53.3	79.9
182	2.8	2.3	3.5



#58
Fluorene
Concen: 10.156 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	166	Resp:	266610
Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.8	118.2
167	12.7	11.0	16.4

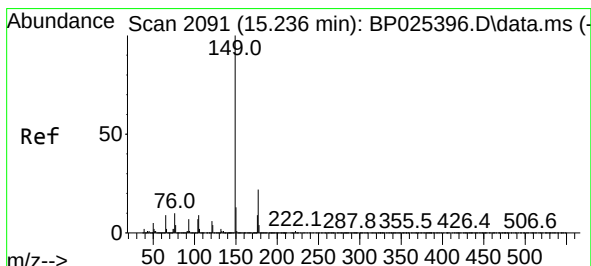
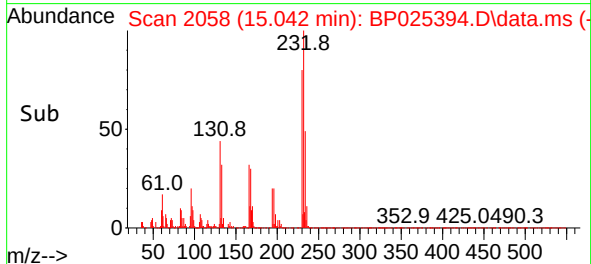
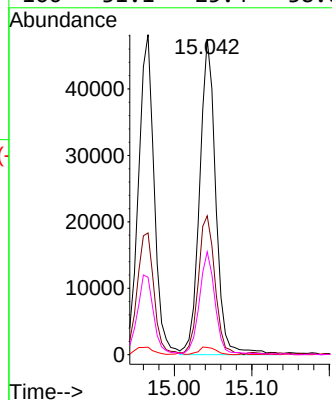
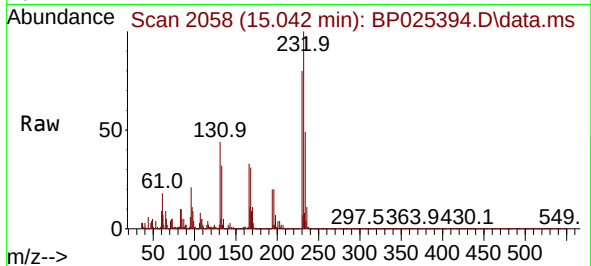




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.533 ng
RT: 15.042 min Scan# 2057
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

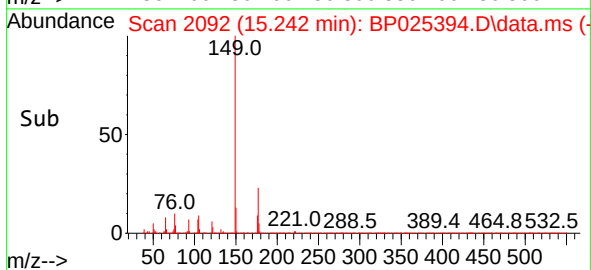
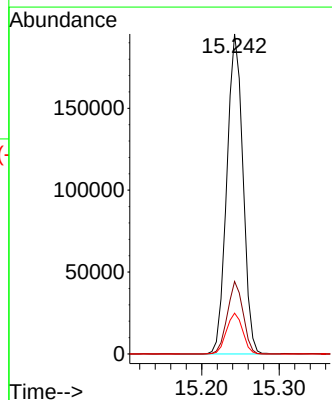
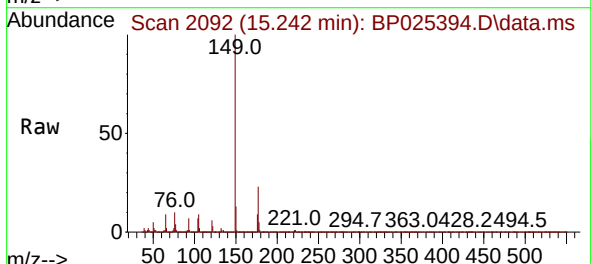
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

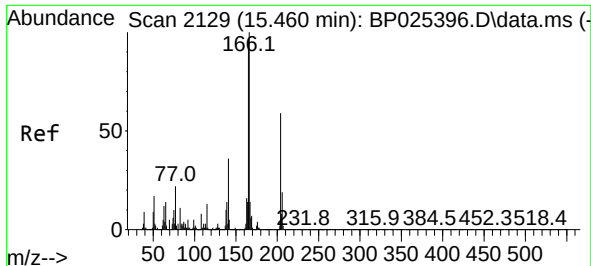
Tgt Ion:	232	Resp:	68931
Ion	Ratio	Lower	Upper
232	100		
131	45.2	37.0	55.6
130	2.5	1.9	2.9
166	31.1	25.4	38.0



#60
Diethylphthalate
Concen: 9.909 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	149	Resp:	282526
Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.3	25.9
150	12.8	10.3	15.5

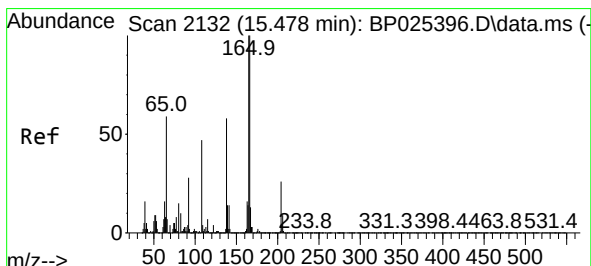
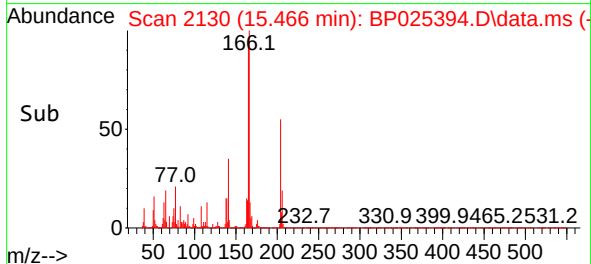
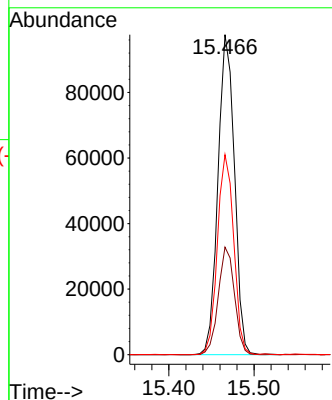
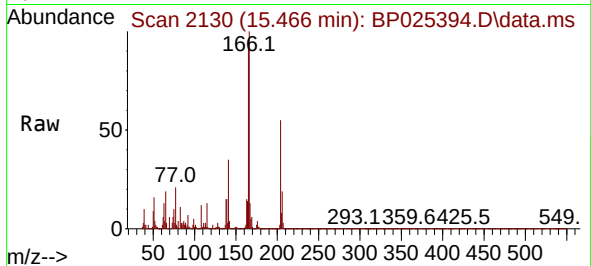




#61
4-Chlorophenyl-phenylether
Concen: 10.044 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

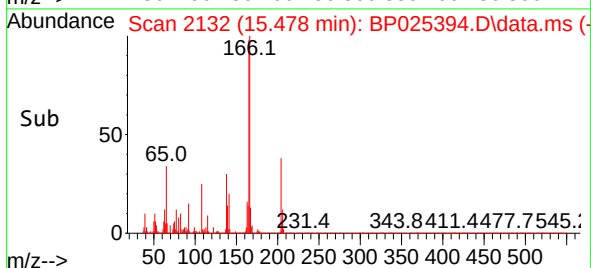
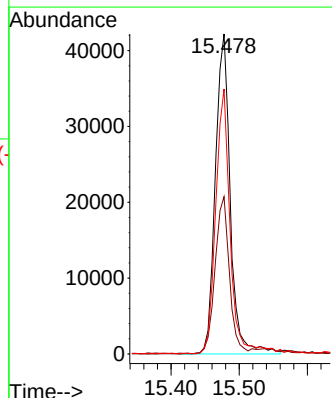
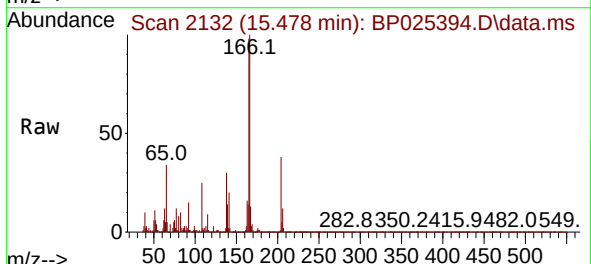
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

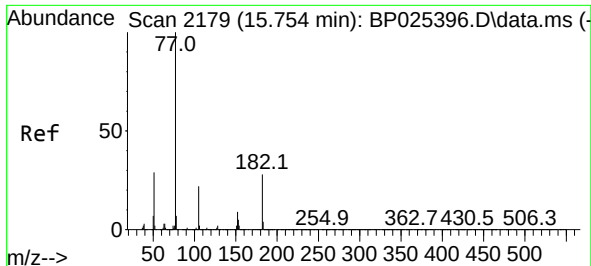
Tgt Ion:204 Resp: 131137
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 62.5 49.4 74.2



#62
4-Nitroaniline
Concen: 9.437 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:138 Resp: 64375
Ion Ratio Lower Upper
138 100
92 49.1 29.1 69.1
108 82.8 61.5 101.5



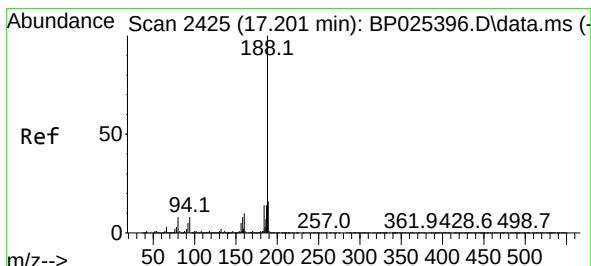
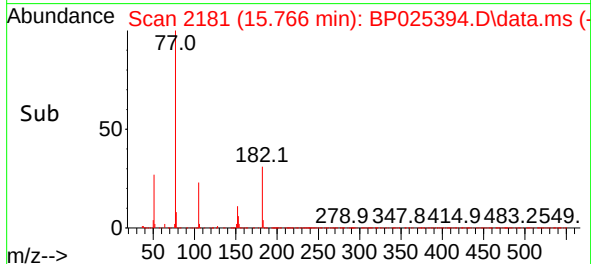
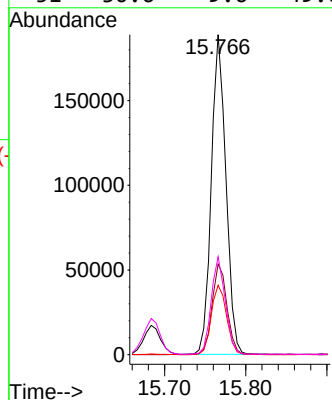
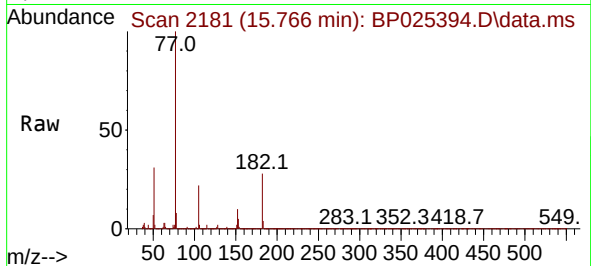


#63
Azobenzene
Concen: 9.620 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 234879

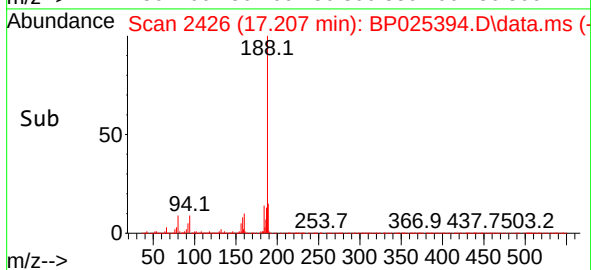
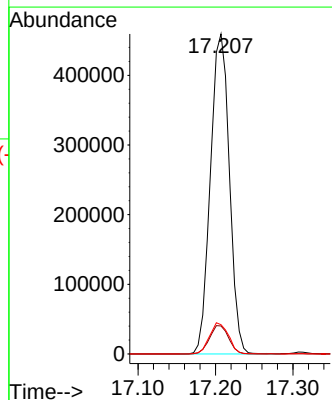
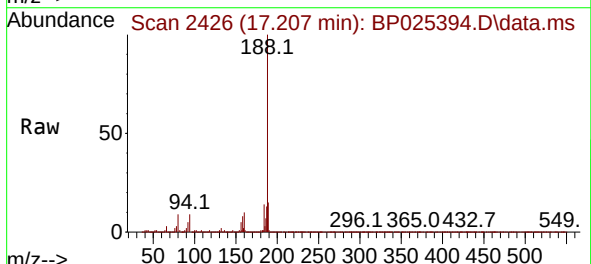
Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	21.7	2.1	42.1
51	30.6	9.6	49.6

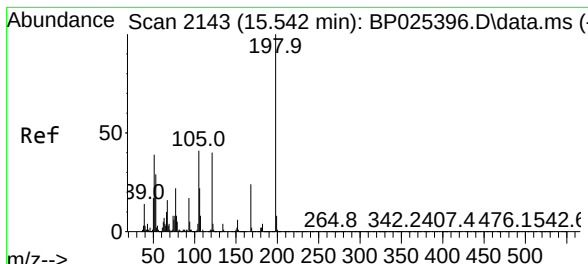


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 188 Resp: 780940

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.1	6.7	10.1

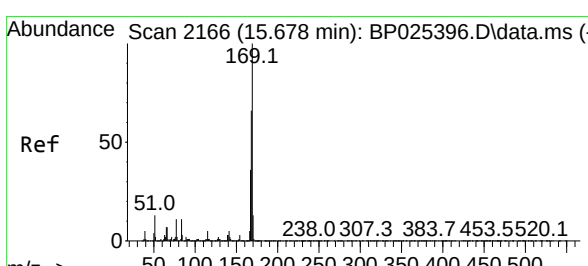
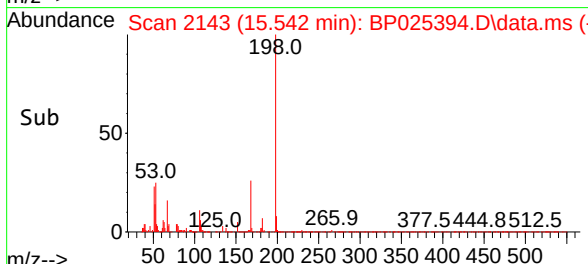
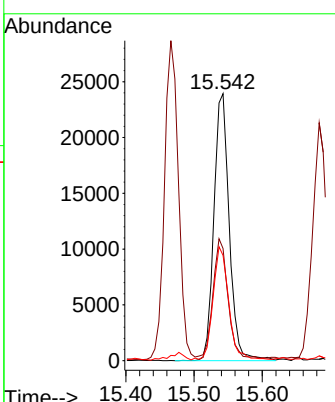
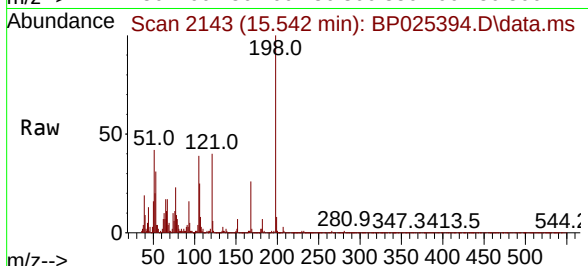




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.679 ng
 RT: 15.542 min Scan# 2143
 Delta R.T. 0.000 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

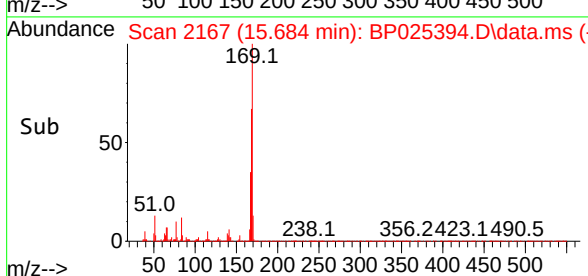
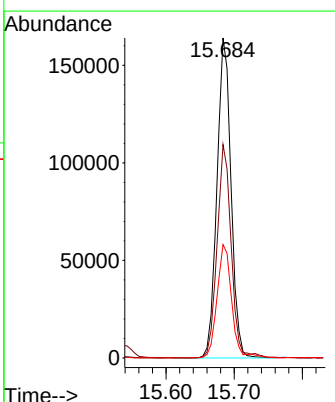
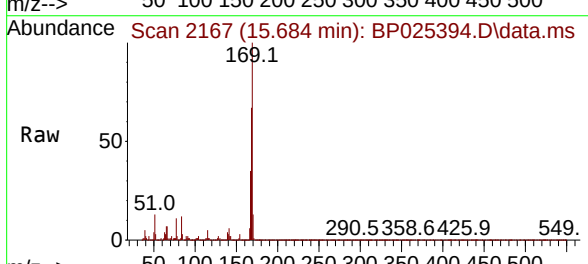
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

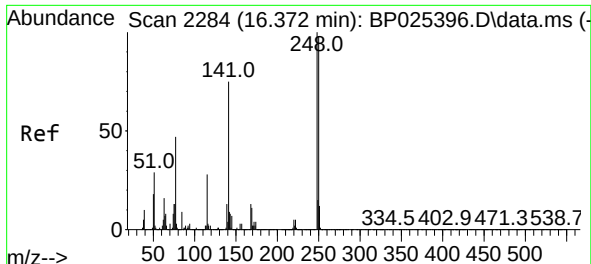
Tgt Ion:	198	Resp:	37380
Ion	Ratio	Lower	Upper
198	100		
51	42.0	19.6	59.6
105	39.4	20.9	60.9



#66
 n-Nitrosodiphenylamine
 Concen: 9.883 ng
 RT: 15.684 min Scan# 2167
 Delta R.T. 0.006 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

Tgt Ion:	169	Resp:	235344
Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	35.5	28.7	43.1

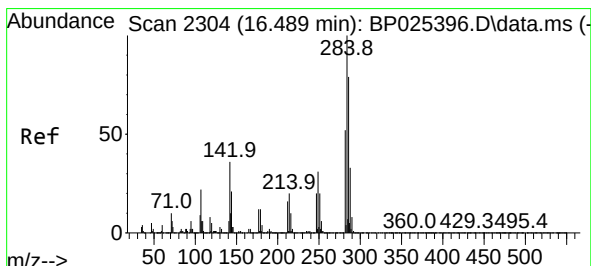
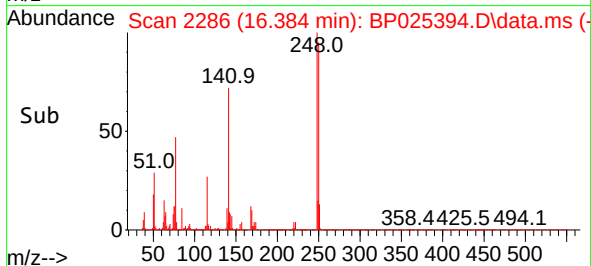
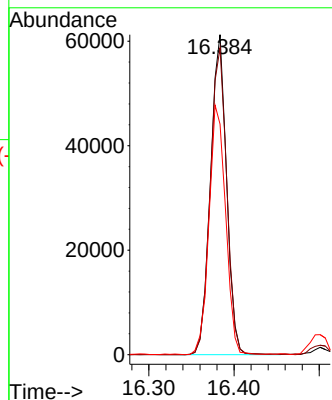
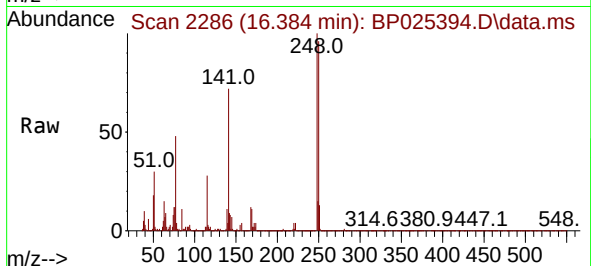




#67
4-Bromophenyl-phenylether
Concen: 9.358 ng
RT: 16.384 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

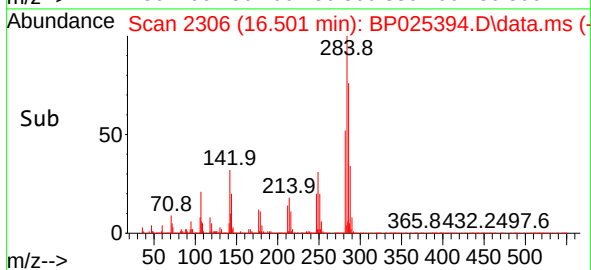
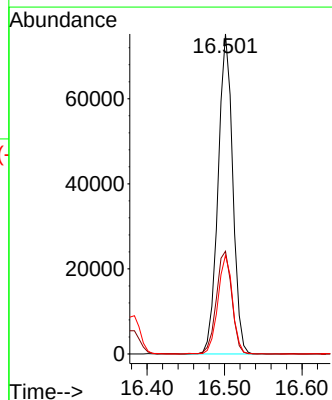
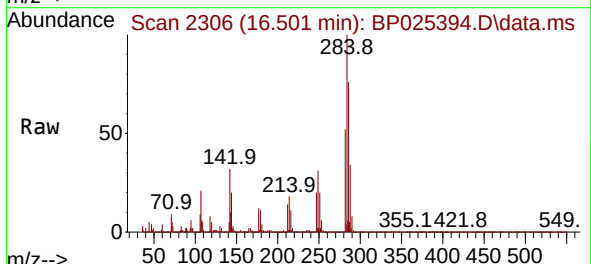
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

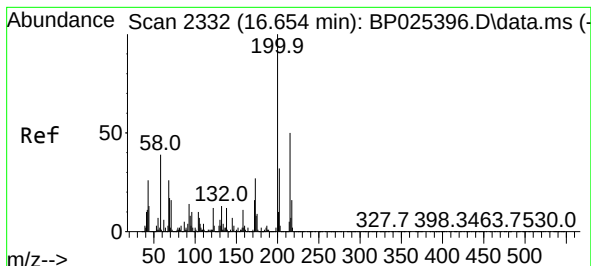
Tgt Ion:248 Resp: 80373
Ion Ratio Lower Upper
248 100
250 95.9 78.2 117.2
141 72.1 59.6 89.4



#68
Hexachlorobenzene
Concen: 9.905 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:284 Resp: 98614
Ion Ratio Lower Upper
284 100
142 32.1 29.1 43.7
249 30.8 25.0 37.4





#69

Atrazine

Concen: 9.894 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

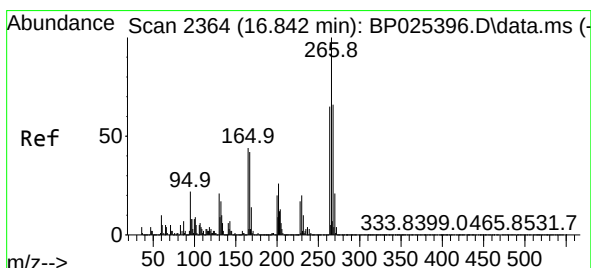
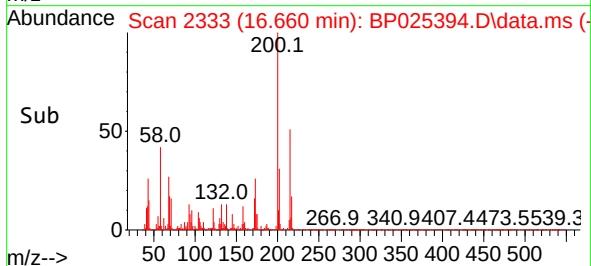
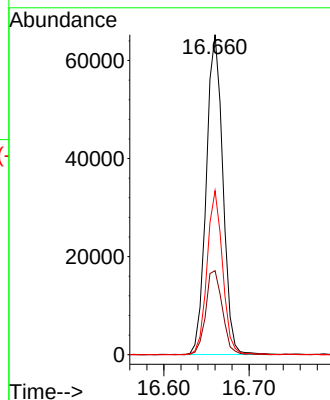
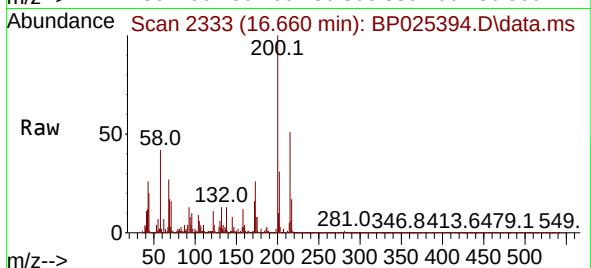
Tgt Ion:200 Resp: 88240

Ion Ratio Lower Upper

200 100

173 26.2 6.7 46.7

215 51.3 29.7 69.7



#70

Pentachlorophenol

Concen: 8.360 ng

RT: 16.854 min Scan# 2366

Delta R.T. 0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

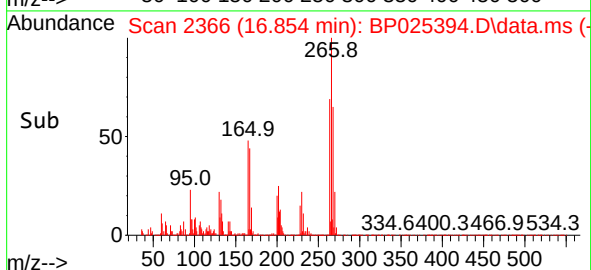
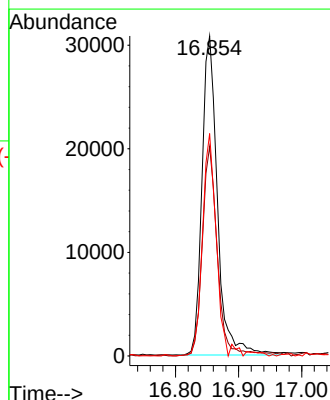
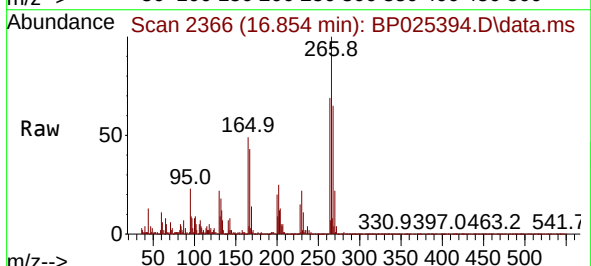
Tgt Ion:266 Resp: 52539

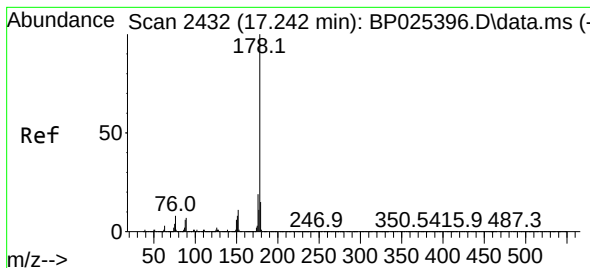
Ion Ratio Lower Upper

266 100

268 65.4 52.6 79.0

264 69.5 52.0 78.0





#71

Phenanthrene

Concen: 10.018 ng

RT: 17.248 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

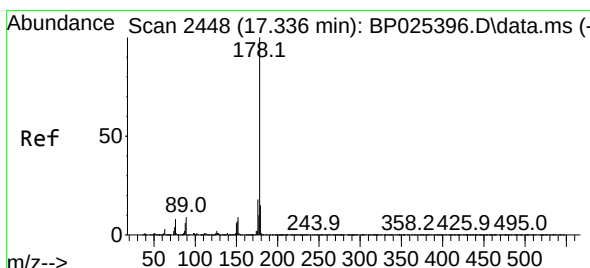
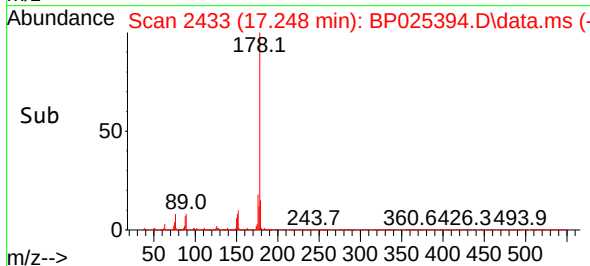
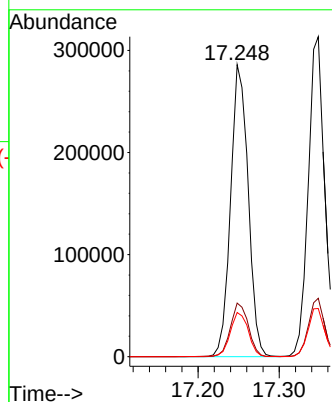
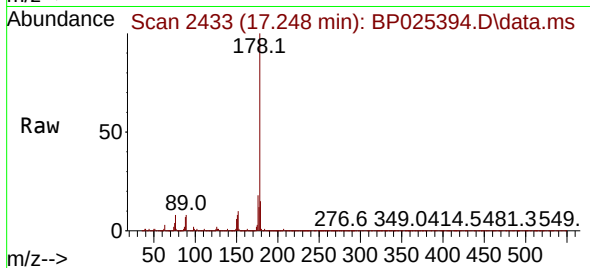
Tgt Ion:178 Resp: 429752

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

179 15.1 12.2 18.4



#72

Anthracene

Concen: 10.020 ng

RT: 17.348 min Scan# 2450

Delta R.T. 0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

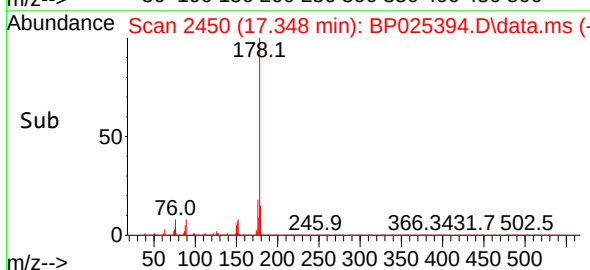
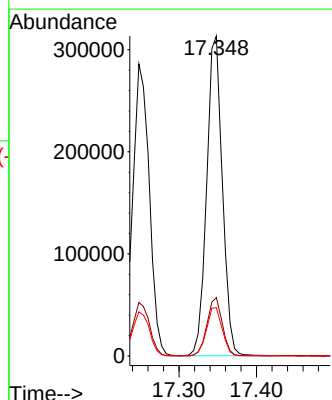
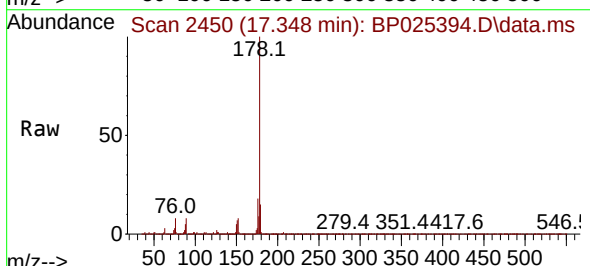
Tgt Ion:178 Resp: 438953

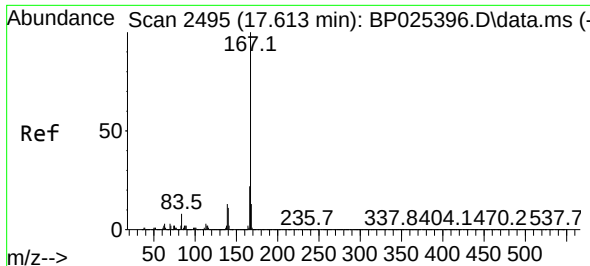
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.1 12.2 18.2

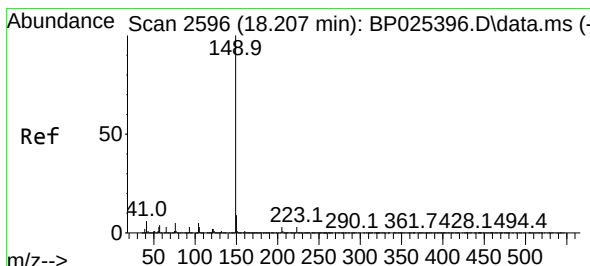
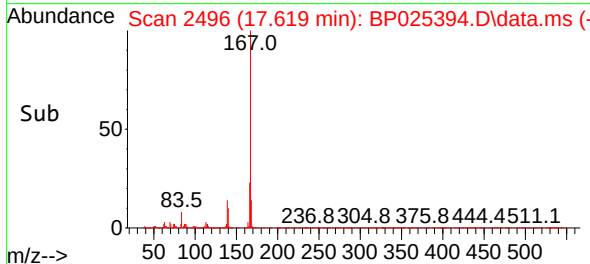
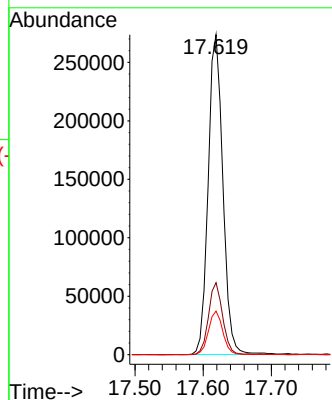
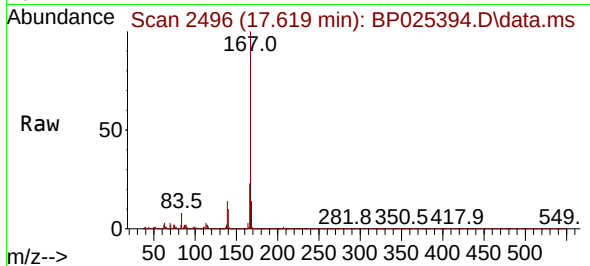




#73
Carbazole
Concen: 9.954 ng
RT: 17.619 min Scan# 2495
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

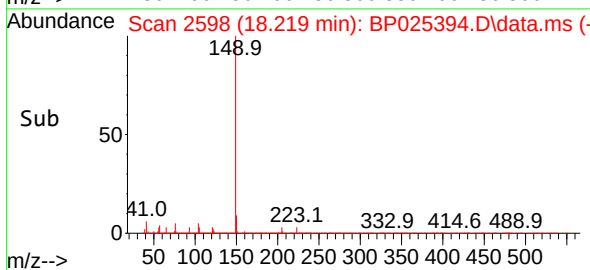
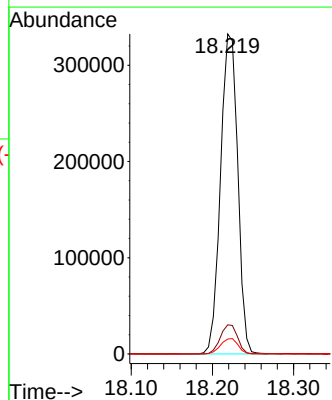
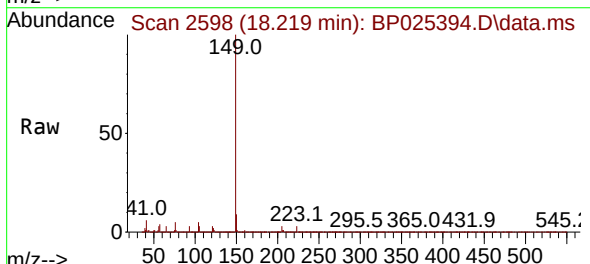
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

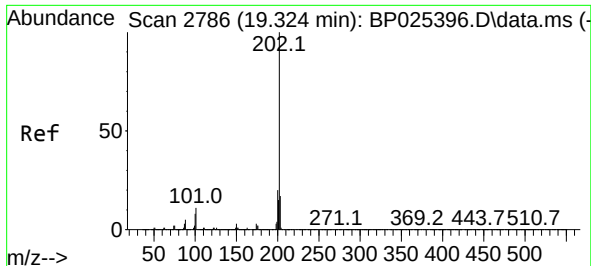
Tgt Ion:167 Resp: 410726
Ion Ratio Lower Upper
167 100
166 22.5 17.5 26.3
139 13.6 10.6 16.0



#74
Di-n-butylphthalate
Concen: 9.656 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 490232
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 4.7 4.2 6.2

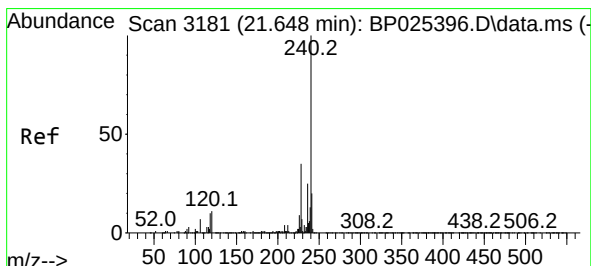
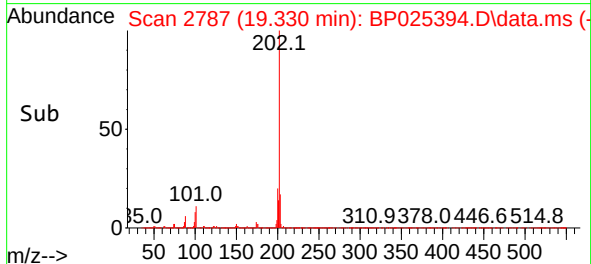
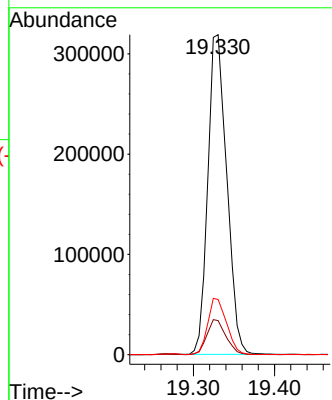
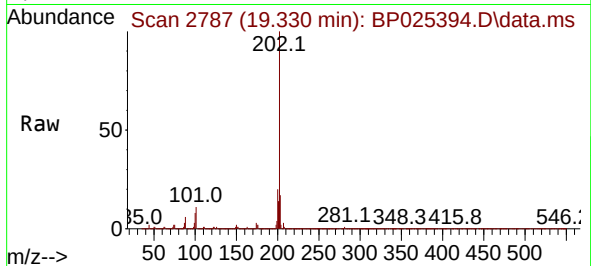




#75
Fluoranthene
Concen: 10.094 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

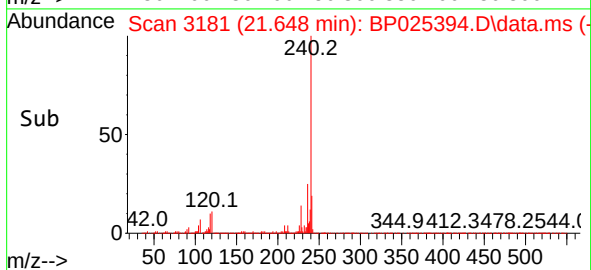
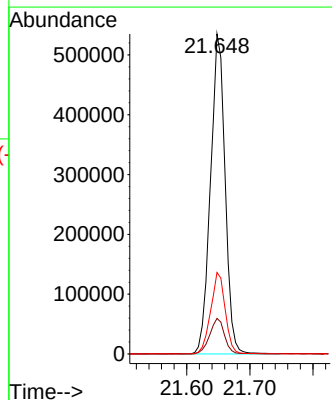
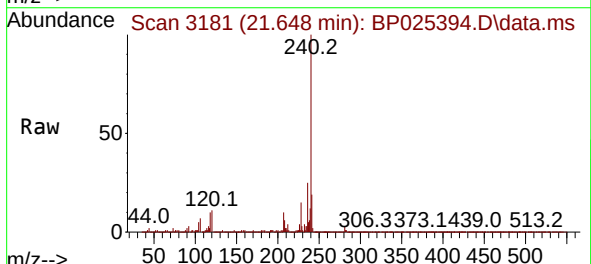
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

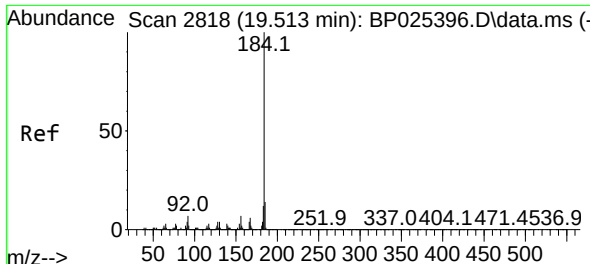
Tgt Ion:202 Resp: 516523
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.1
203 17.2 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:240 Resp: 860386
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 25.5 19.8 29.8

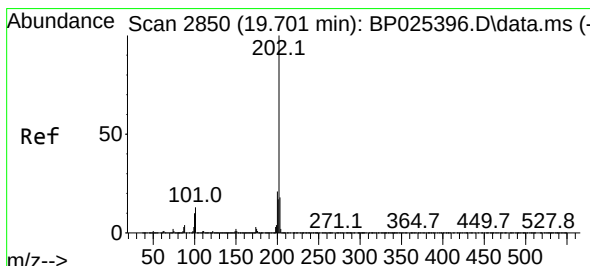
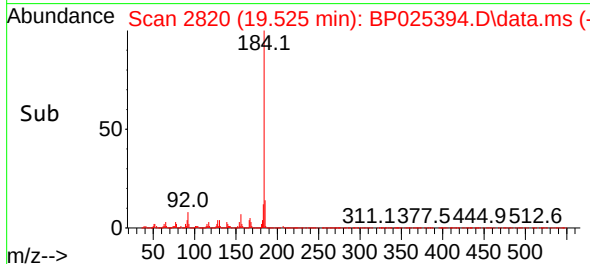
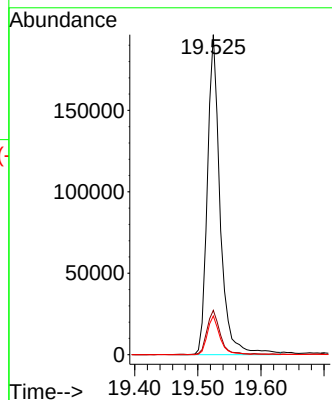
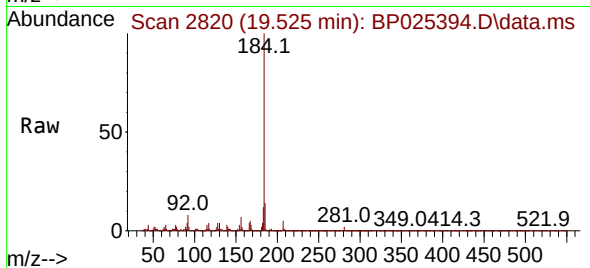




#77
Benzidine
Concen: 9.406 ng
RT: 19.525 min Scan# 2820
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

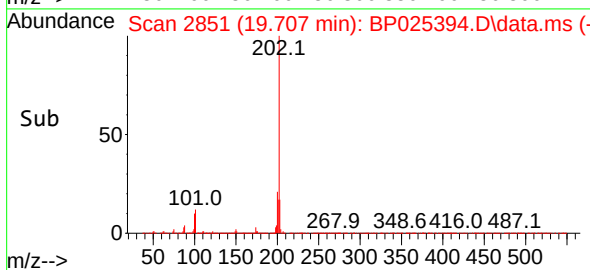
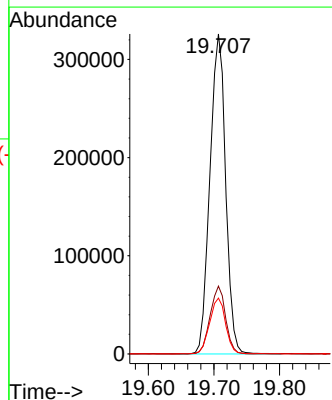
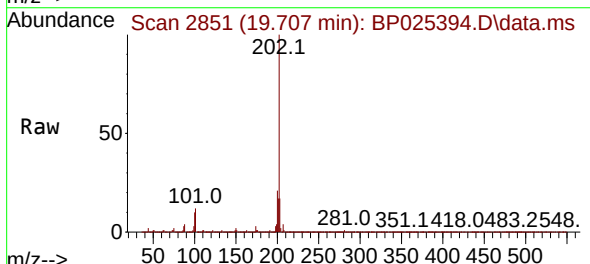
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

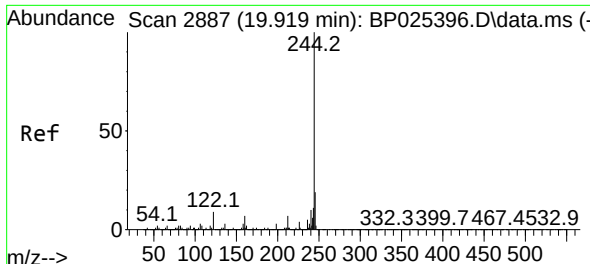
Tgt Ion:184 Resp: 276193
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 12.1 9.4 14.2



#78
Pyrene
Concen: 9.704 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:202 Resp: 542670
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.5 14.2 21.2

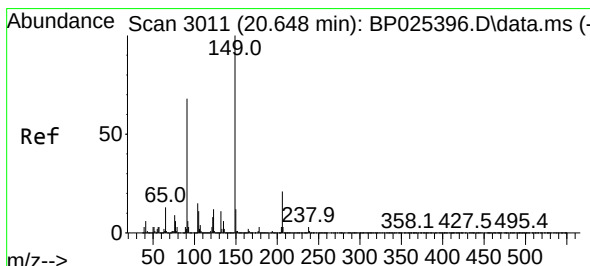
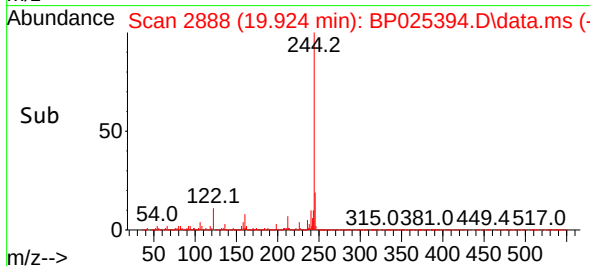
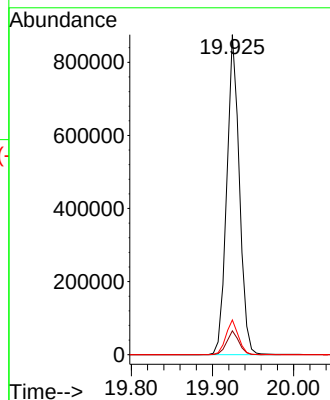
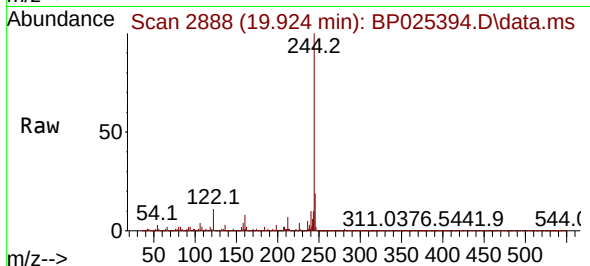




#79
 Terphenyl-d14
 Concen: 20.125 ng
 RT: 19.924 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

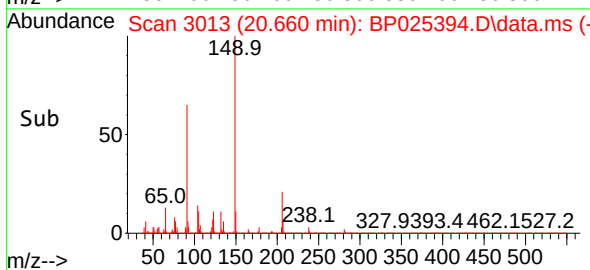
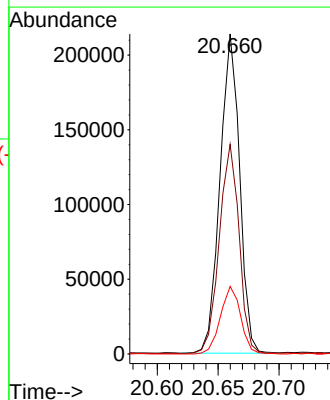
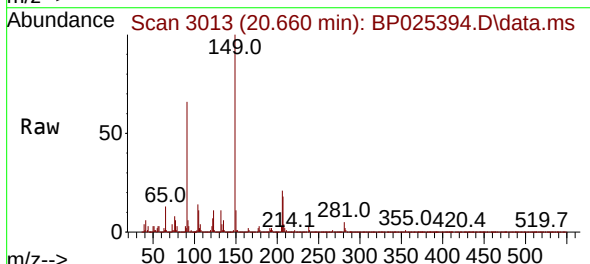
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

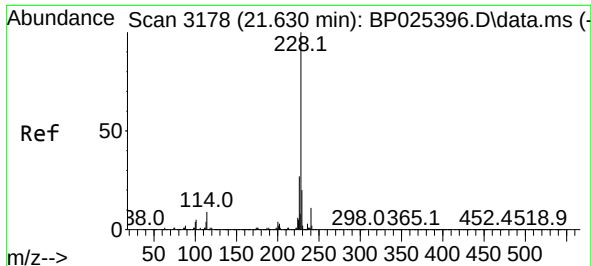
Tgt Ion:244 Resp: 946422
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 10.9 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 9.446 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 239416
 Ion Ratio Lower Upper
 149 100
 91 65.5 54.2 81.2
 206 21.1 16.6 24.8

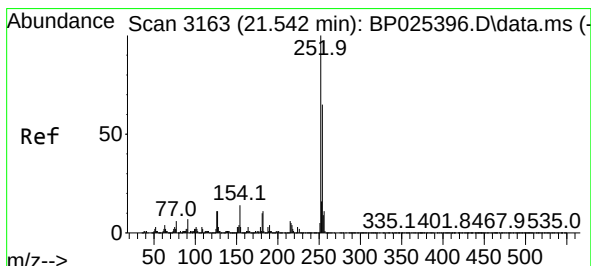
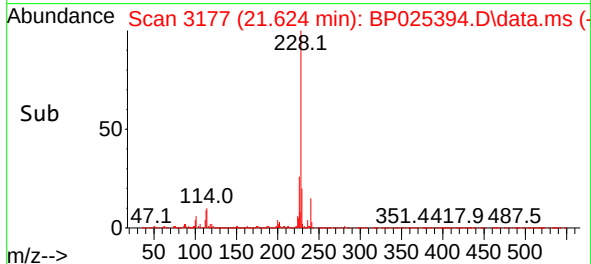
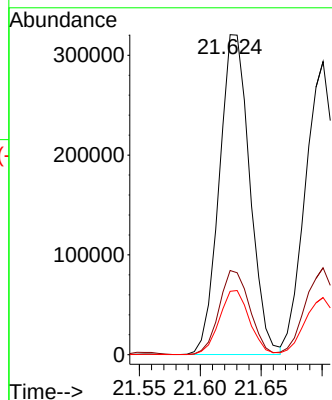
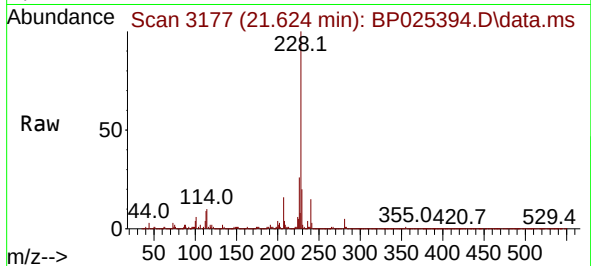




#81
Benzo(a)anthracene
Concen: 9.874 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

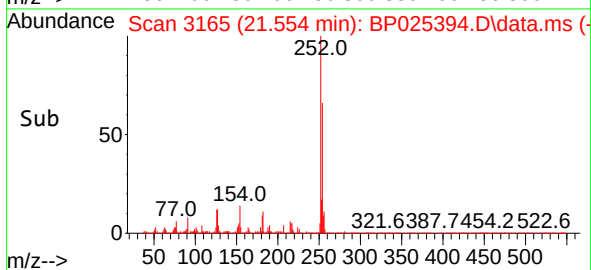
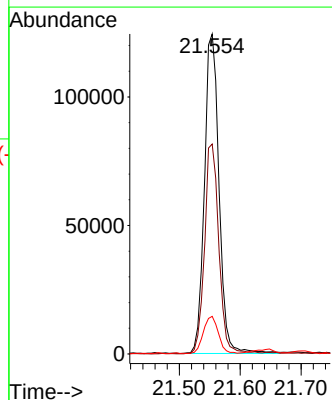
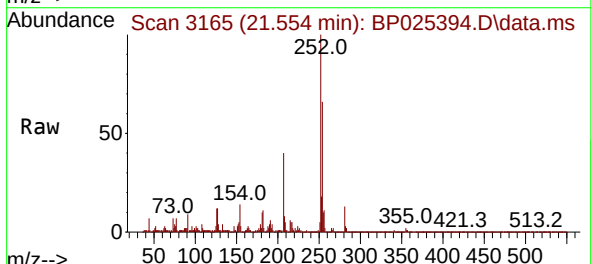
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

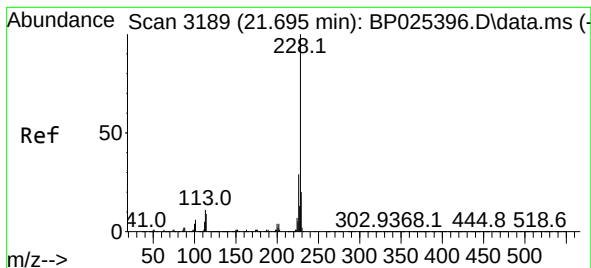
Tgt Ion:228 Resp: 560279
Ion Ratio Lower Upper
228 100
226 26.3 21.7 32.5
229 19.8 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 9.686 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 207153
Ion Ratio Lower Upper
252 100
254 65.6 51.8 77.6
126 11.7 9.1 13.7





#83

Chrysene

Concen: 9.831 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

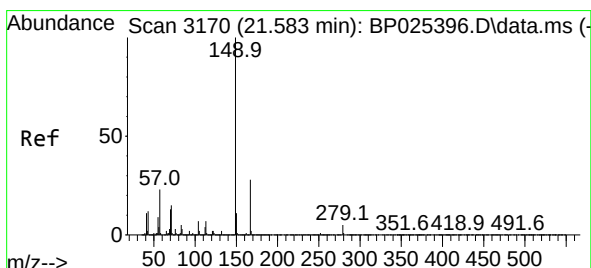
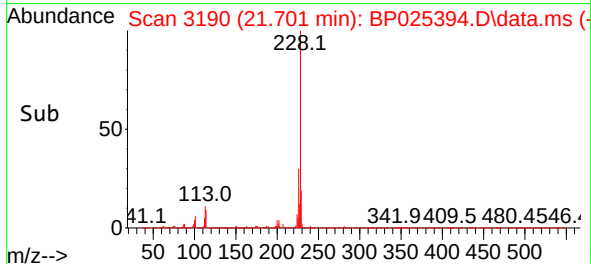
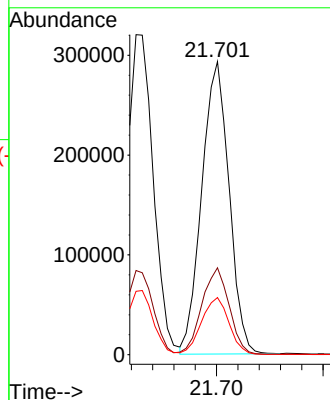
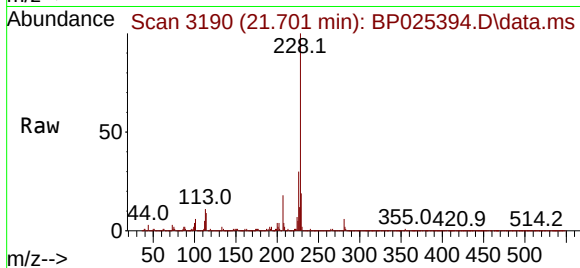
Tgt Ion:228 Resp: 522411

Ion Ratio Lower Upper

228 100

226 29.6 23.2 34.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.529 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

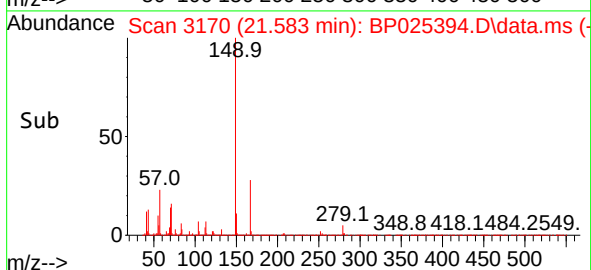
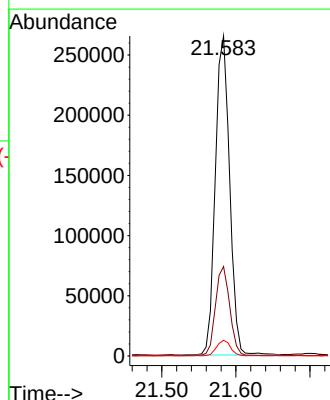
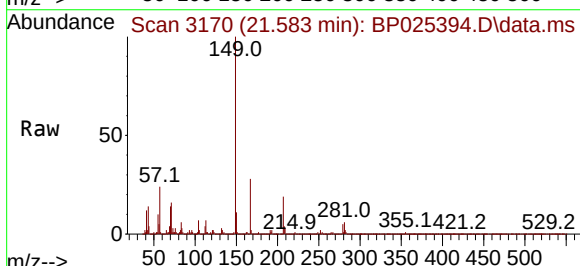
Tgt Ion:149 Resp: 355530

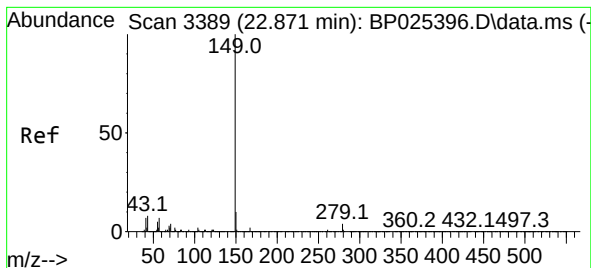
Ion Ratio Lower Upper

149 100

167 27.9 22.1 33.1

279 4.9 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 9.259 ng

RT: 22.877 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

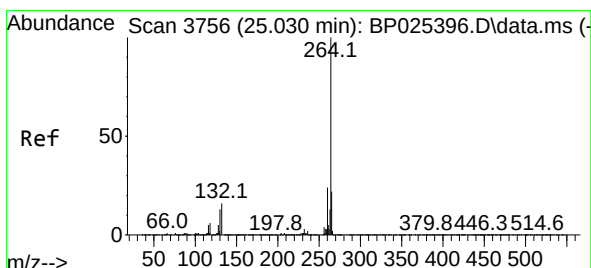
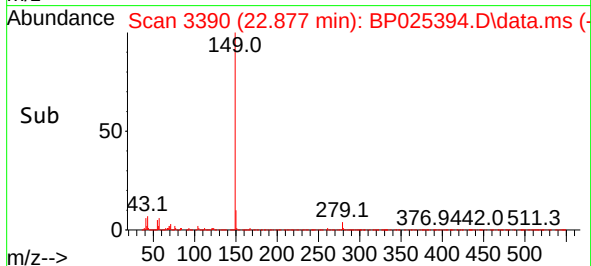
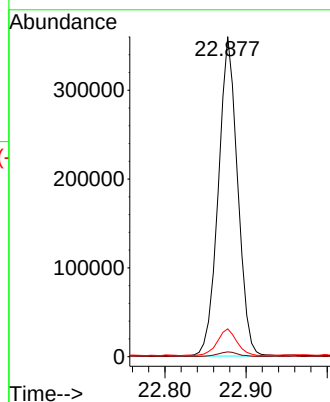
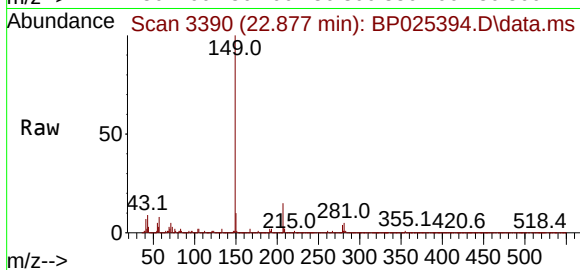
Tgt Ion:149 Resp: 594195

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.4 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.036 min Scan# 3757

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

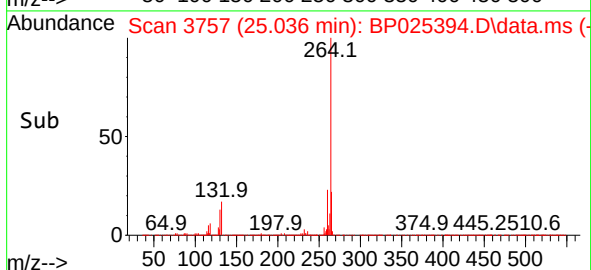
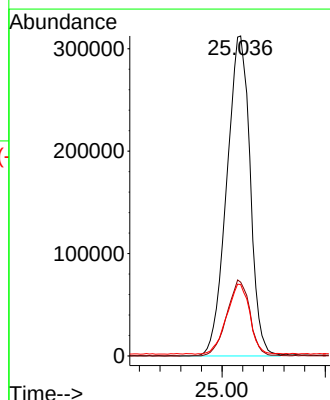
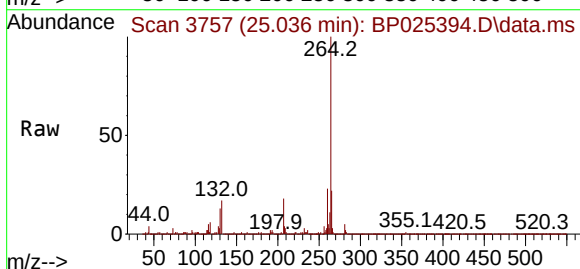
Tgt Ion:264 Resp: 980670

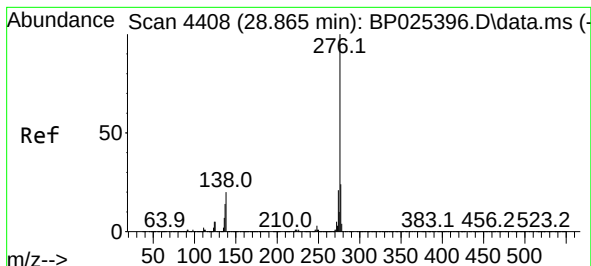
Ion Ratio Lower Upper

264 100

260 23.0 19.3 28.9

265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.101 ng

RT: 28.853 min Scan# 4406

Delta R.T. -0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

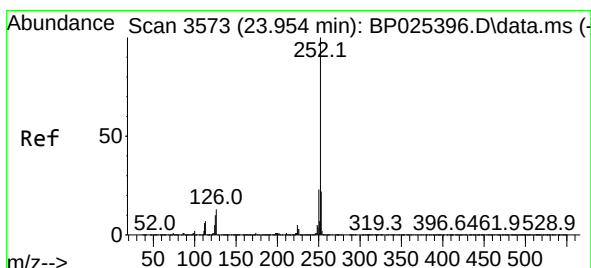
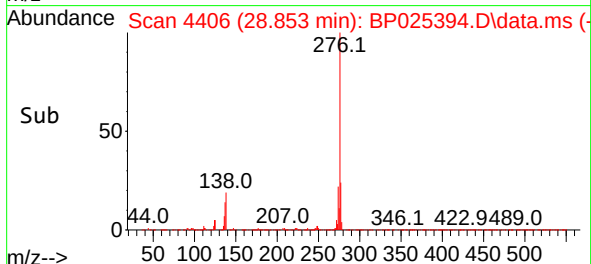
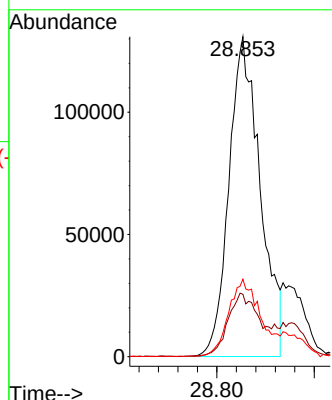
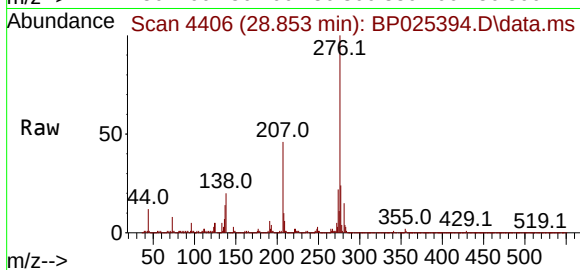
Tgt Ion:276 Resp: 582808

Ion Ratio Lower Upper

276 100

138 19.4 12.9 19.3#

277 24.6 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 9.549 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

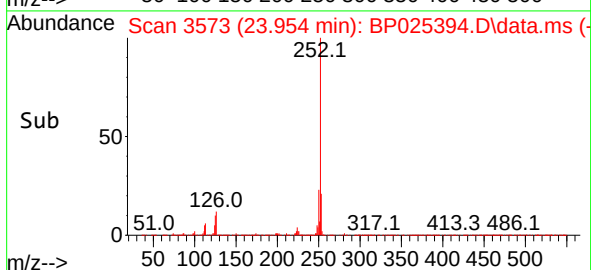
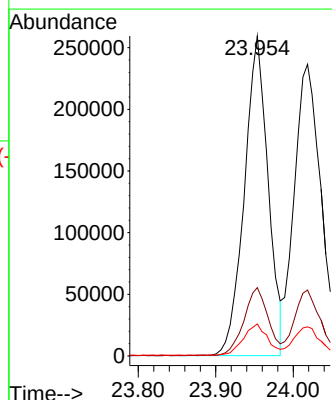
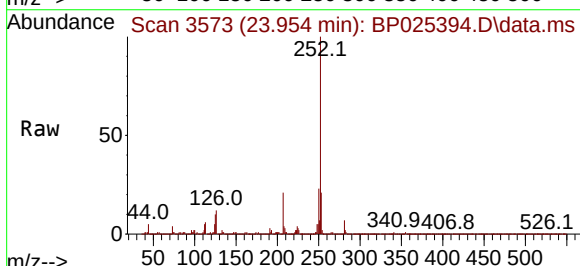
Tgt Ion:252 Resp: 552191

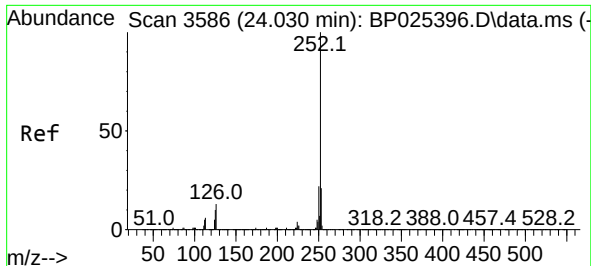
Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

125 10.0 7.9 11.9

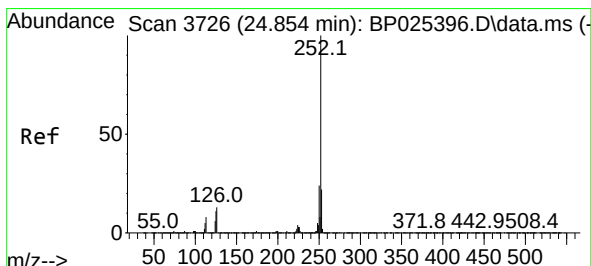
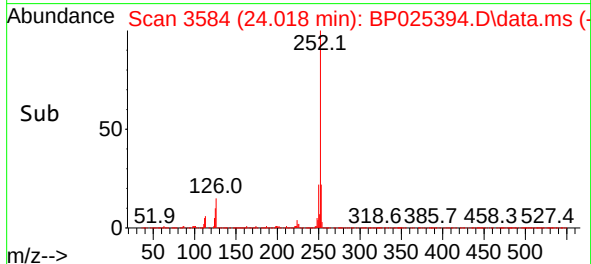
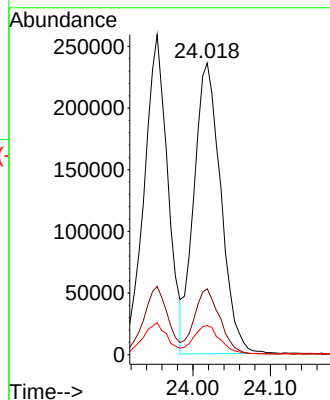
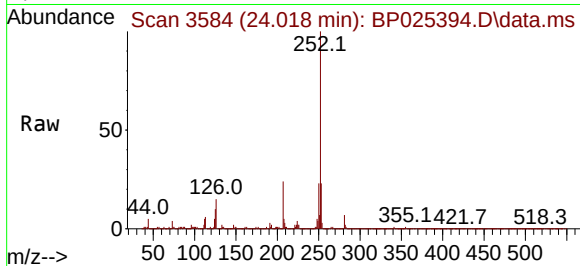




#89
Benzo(k)fluoranthene
Concen: 9.800 ng
RT: 24.018 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

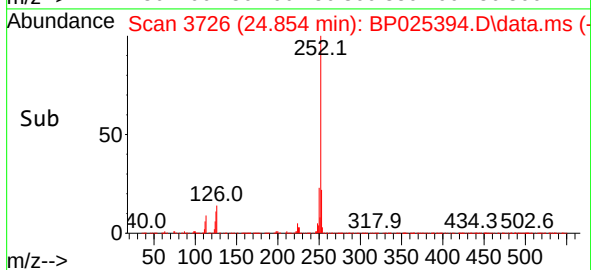
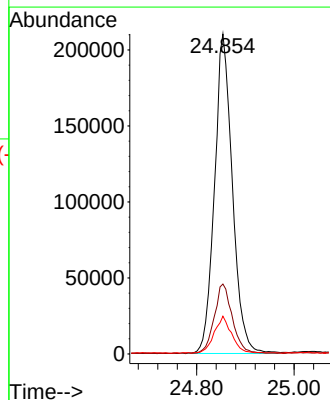
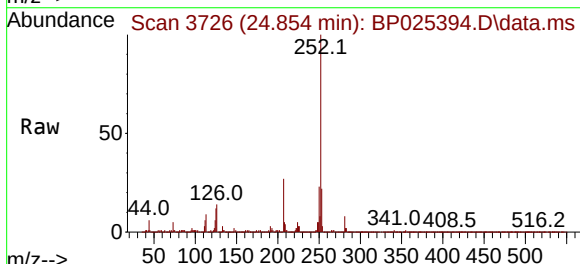
Instrument :
BNA_P
ClientSampleId :
SSTDIC010

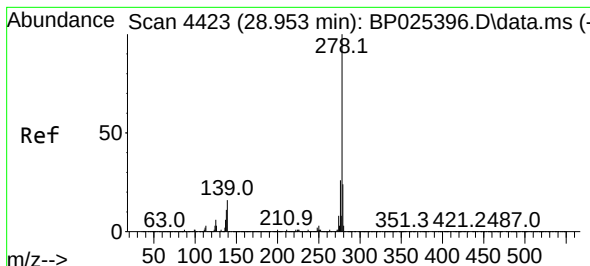
Tgt Ion:252 Resp: 567080
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 10.0 7.8 11.6



#90
Benzo(a)pyrene
Concen: 9.519 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 535820
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 11.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 9.387 ng

RT: 28.959 min Scan# 4423

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

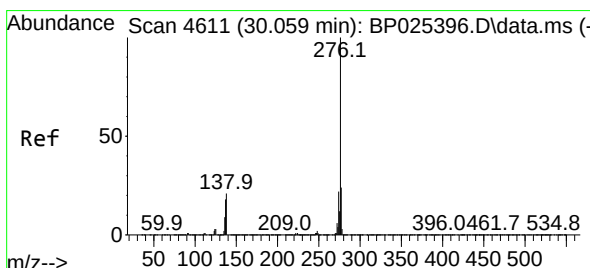
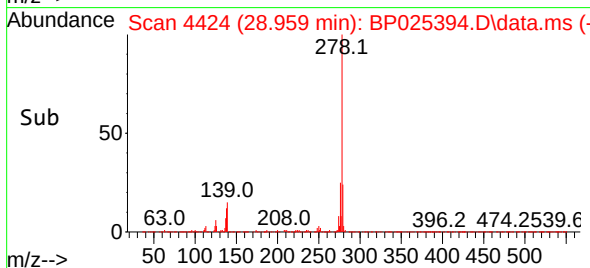
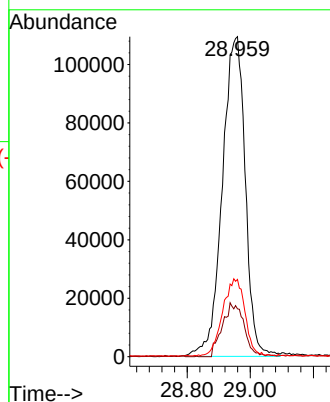
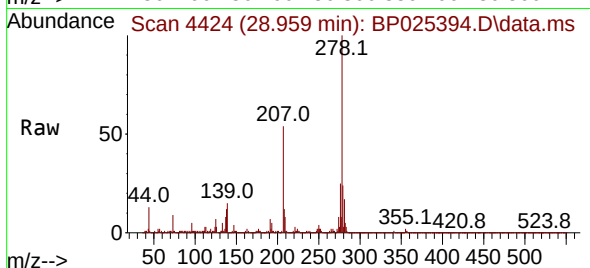
Tgt Ion:278 Resp: 551694

Ion Ratio Lower Upper

278 100

139 15.0 13.0 19.4

279 24.2 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 9.489 ng

RT: 30.047 min Scan# 4609

Delta R.T. -0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

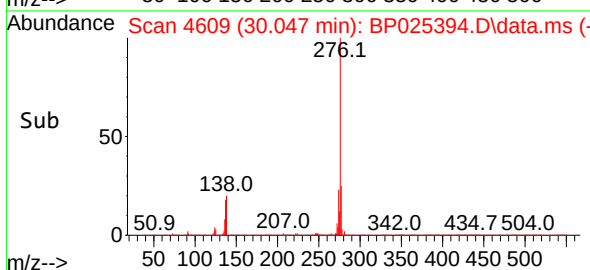
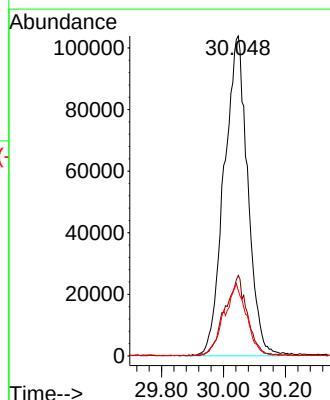
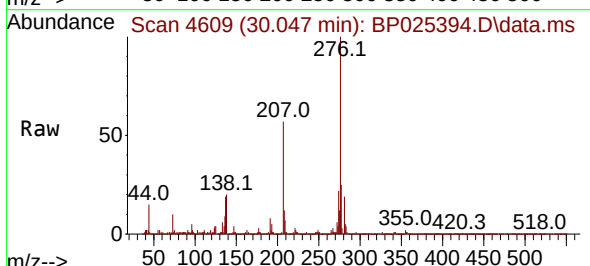
Tgt Ion:276 Resp: 548117

Ion Ratio Lower Upper

276 100

277 25.1 19.4 29.0

138 20.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025395.D
 Acq On : 14 Aug 2025 14:38
 Operator : CG/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Quant Time: Aug 14 17:54:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	141721	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	603797	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	399034	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	785736	20.000	ng	0.01
76) Chrysene-d12	21.654	240	852065	20.000	ng	0.00
86) Perylene-d12	25.036	264	958651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	338568	39.674	ng	0.00
7) Phenol-d6	6.966	99	434388	39.702	ng	0.00
23) Nitrobenzene-d5	8.931	82	473937	39.706	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	212968	39.651	ng	0.01
45) 2-Fluorobiphenyl	13.025	172	1203064	41.205	ng	0.00
79) Terphenyl-d14	19.930	244	1869951	40.152	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	67276	20.126	ng	99
3) Pyridine	3.731	79	177948	19.450	ng	98
4) n-Nitrosodimethylamine	3.637	42	72627	19.255	ng	# 96
6) Aniline	7.125	93	287645	19.513	ng	99
8) 2-Chlorophenol	7.366	128	190858	19.819	ng	99
9) Benzaldehyde	6.937	77	135464	17.672	ng	99
10) Phenol	6.990	94	228580	19.910	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	180390	20.159	ng	98
12) 1,3-Dichlorobenzene	7.684	146	213023	20.061	ng	99
13) 1,4-Dichlorobenzene	7.825	146	216400	19.938	ng	99
14) 1,2-Dichlorobenzene	8.143	146	211243	20.106	ng	99
15) Benzyl Alcohol	8.019	79	170736	19.640	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	242616	20.240	ng	99
17) 2-Methylphenol	8.225	107	159119	19.956	ng	98
18) Hexachloroethane	8.866	117	78205	19.597	ng	94
19) n-Nitroso-di-n-propyla...	8.584	70	149715	20.633	ng	97
20) 3+4-Methylphenols	8.543	107	217240	19.655	ng	98
22) Acetophenone	8.596	105	305812	20.196	ng	99
24) Nitrobenzene	8.972	77	210234	19.708	ng	100
25) Isophorone	9.496	82	422370	19.995	ng	99
26) 2-Nitrophenol	9.678	139	106805	19.509	ng	98
27) 2,4-Dimethylphenol	9.743	122	178534	18.963	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	256656	20.100	ng	99
29) 2,4-Dichlorophenol	10.207	162	186076	19.896	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	201995	19.702	ng	98
31) Naphthalene	10.613	128	625899	19.944	ng	99
32) Benzoic acid	9.843	122	112932	16.287	ng	97
33) 4-Chloroaniline	10.713	127	270158	19.489	ng	99
34) Hexachlorobutadiene	10.901	225	127593	19.983	ng	99
35) Caprolactam	11.484	113	66168	19.294	ng	95
36) 4-Chloro-3-methylphenol	11.837	107	209817	19.551	ng	97
37) 2-Methylnaphthalene	12.219	142	409613	20.057	ng	99
38) 1-Methylnaphthalene	12.443	142	430666	19.829	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	233523	20.263	ng	99
41) Hexachlorocyclopentadiene	12.572	237	124759	17.922	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	152031	19.540	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025395.D
 Acq On : 14 Aug 2025 14:38
 Operator : CG/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

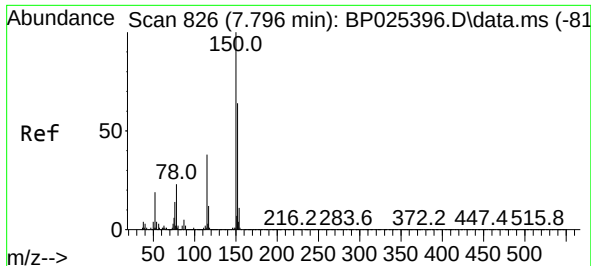
Quant Time: Aug 14 17:54:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	169197	19.842	ng	98
46) 1,1'-Biphenyl	13.237	154	581464	20.064	ng	100
47) 2-Chloronaphthalene	13.272	162	456552	20.237	ng	98
48) 2-Nitroaniline	13.478	65	126433	19.233	ng	99
49) Acenaphthylene	14.137	152	737527	19.756	ng	99
50) Dimethylphthalate	13.866	163	573661	19.632	ng	100
51) 2,6-Dinitrotoluene	13.966	165	120693	19.597	ng	96
52) Acenaphthene	14.484	154	469441	21.423	ng	99
53) 3-Nitroaniline	14.301	138	134502	19.410	ng	97
54) 2,4-Dinitrophenol	14.519	184	55713	16.939	ng	98
55) Dibenzofuran	14.819	168	692966	20.002	ng	99
56) 4-Nitrophenol	14.619	139	105787	18.578	ng	98
57) 2,4-Dinitrotoluene	14.772	165	172020	19.576	ng	96
58) Fluorene	15.478	166	554647	20.289	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.048	232	145926	19.381	ng	99
60) Diethylphthalate	15.248	149	584590	19.689	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	270949	19.929	ng	98
62) 4-Nitroaniline	15.478	138	139202	19.595	ng	100
63) Azobenzene	15.766	77	508563	20.004	ng	100
65) 4,6-Dinitro-2-methylph...	15.548	198	88992	18.169	ng	97
66) n-Nitrosodiphenylamine	15.684	169	477080	19.911	ng	99
67) 4-Bromophenyl-phenylether	16.389	248	170738	19.758	ng	97
68) Hexachlorobenzene	16.495	284	199410	19.906	ng	99
69) Atrazine	16.666	200	179513	20.006	ng	99
70) Pentachlorophenol	16.848	266	120958	19.128	ng	99
71) Phenanthrene	17.254	178	872890	20.223	ng	99
72) Anthracene	17.342	178	890292	20.198	ng	100
73) Carbazole	17.625	167	843970	20.328	ng	99
74) Di-n-butylphthalate	18.219	149	1046709	20.491	ng	100
75) Fluoranthene	19.342	202	1058912	20.567	ng	99
77) Benzidine	19.525	184	546647	18.799	ng	99
78) Pyrene	19.713	202	1096965	19.807	ng	99
80) Butylbenzylphthalate	20.666	149	504019	20.081	ng	97
81) Benzo(a)anthracene	21.630	228	1118590	19.906	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	432075	20.399	ng	100
83) Chrysene	21.707	228	1063898	20.216	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	744704	20.155	ng	99
85) Di-n-octyl phthalate	22.871	149	1276798	20.091	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	1166289	16.584	ng	94
88) Benzo(b)fluoranthene	23.948	252	1122408	19.855	ng	100
89) Benzo(k)fluoranthene	24.018	252	1150366	20.336	ng	100
90) Benzo(a)pyrene	24.854	252	1102804	20.041	ng	100
91) Dibenzo(a,h)anthracene	28.965	278	1130209	19.672	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1120307	19.840	ng	99

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

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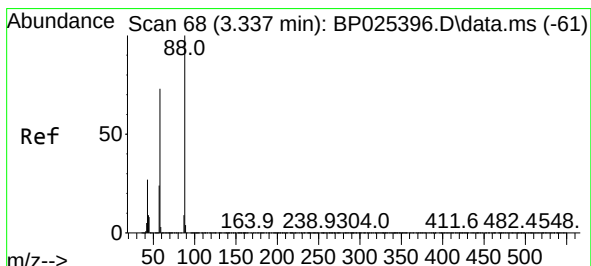
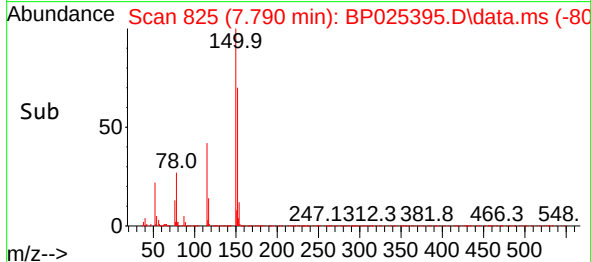
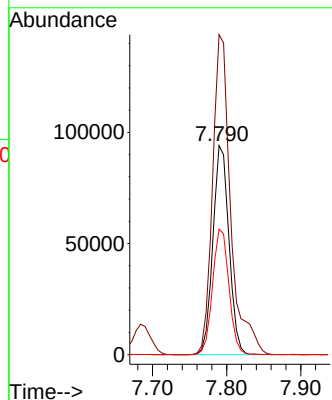
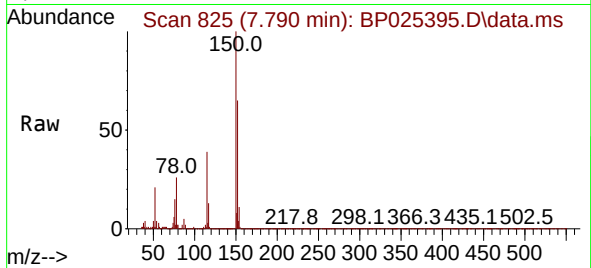
1



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

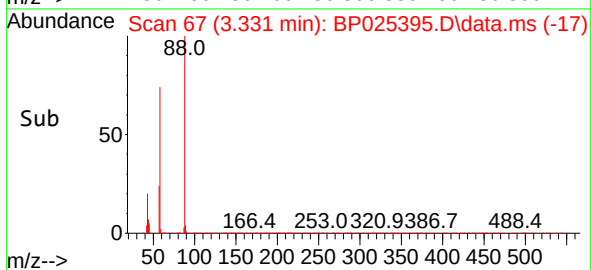
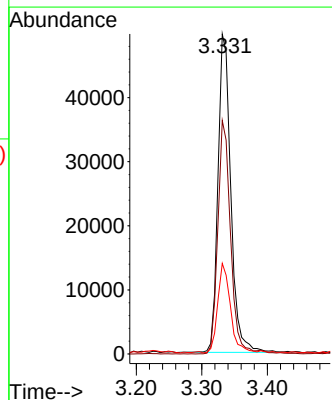
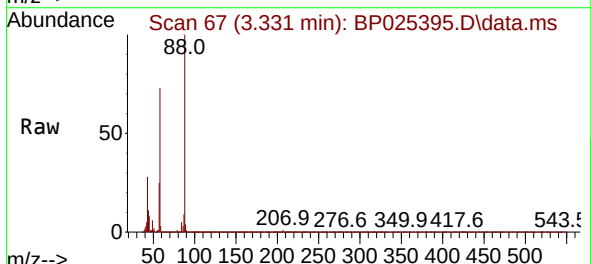
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

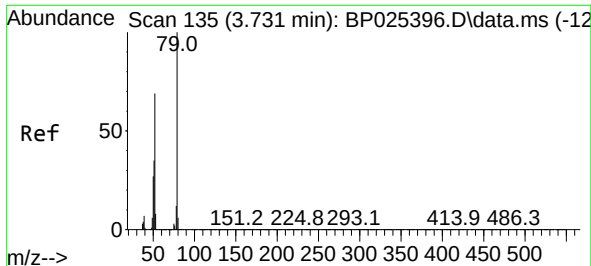
Tgt Ion:152 Resp: 141721
Ion Ratio Lower Upper
152 100
150 153.0 125.9 188.9
115 60.0 48.5 72.7



#2
1,4-Dioxane
Concen: 20.126 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 88 Resp: 67276
Ion Ratio Lower Upper
88 100
58 73.2 59.2 88.8
43 27.9 21.7 32.5

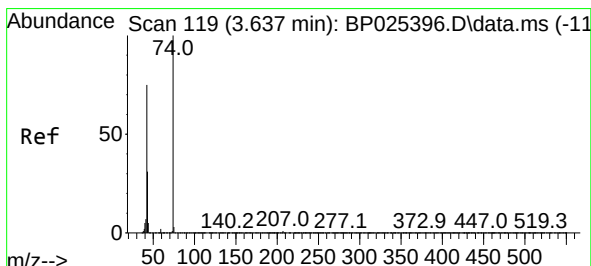
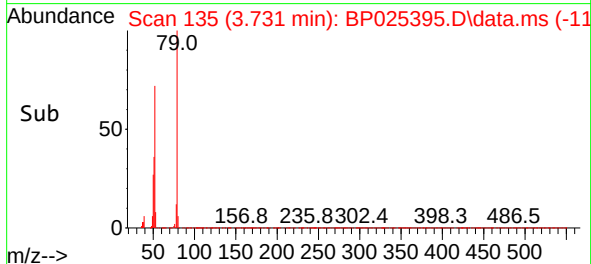
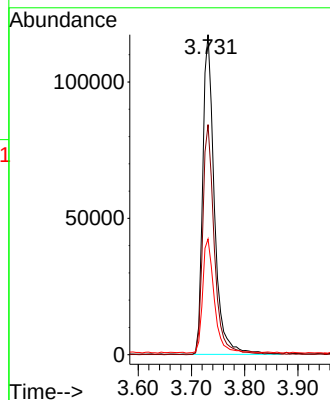
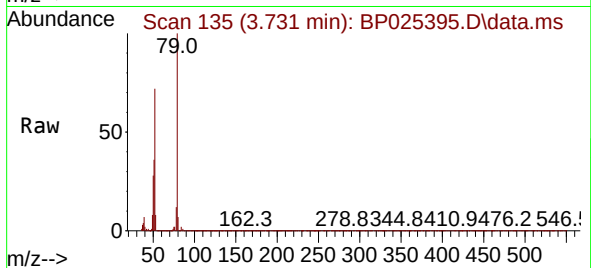




#3
Pyridine
Concen: 19.450 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

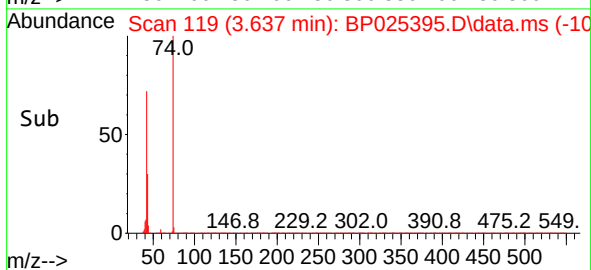
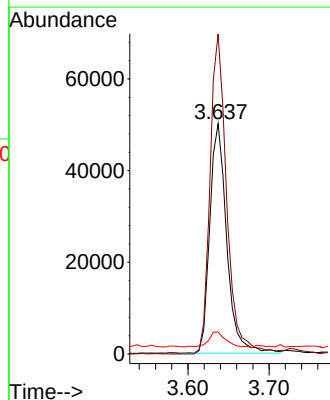
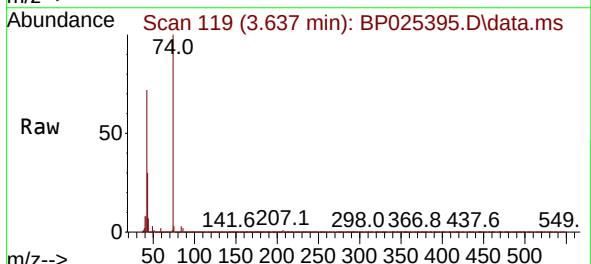
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

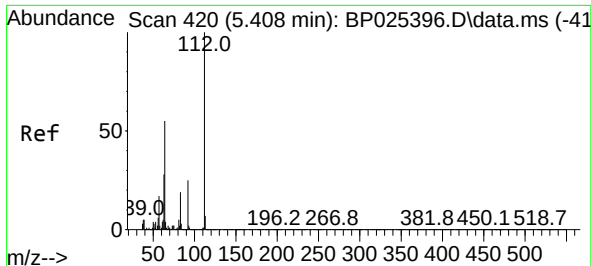
Tgt Ion: 79 Resp: 177948
Ion Ratio Lower Upper
79 100
52 71.9 55.5 83.3
51 36.1 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 19.255 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 42 Resp: 72627
Ion Ratio Lower Upper
42 100
74 138.9 107.0 160.4
44 9.5 6.2 9.4

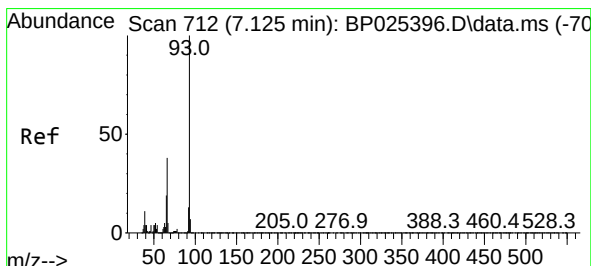
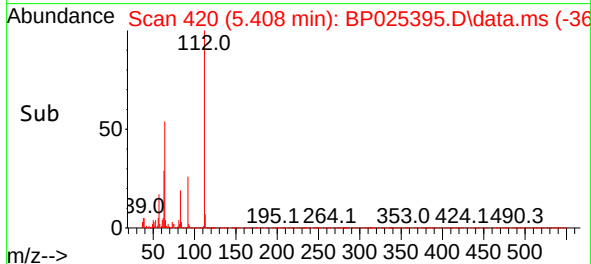
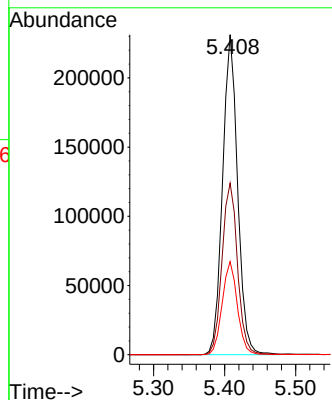
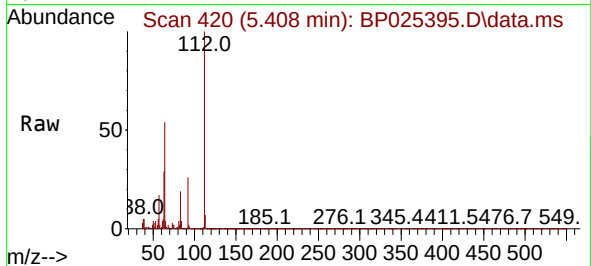




#5
2-Fluorophenol
Concen: 39.674 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

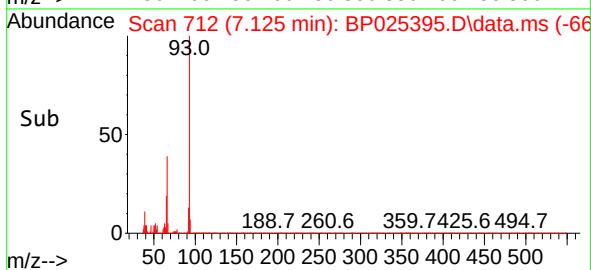
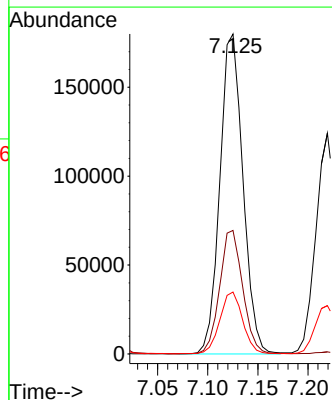
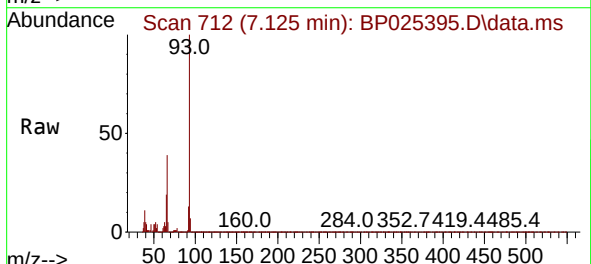
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

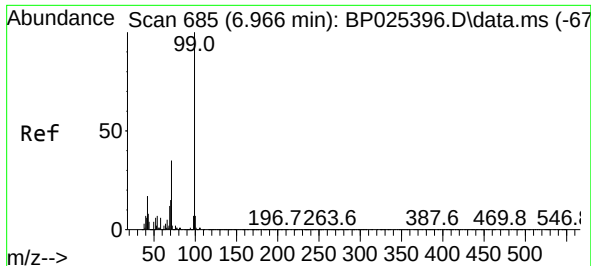
Tgt Ion:112 Resp: 338568
Ion Ratio Lower Upper
112 100
64 53.6 43.8 65.8
63 29.1 22.7 34.1



#6
Aniline
Concen: 19.513 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 287645
Ion Ratio Lower Upper
93 100
66 38.6 30.4 45.6
65 19.4 15.3 22.9

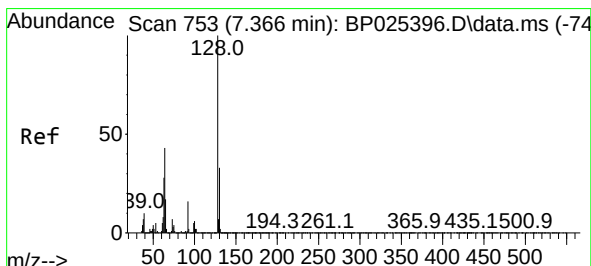
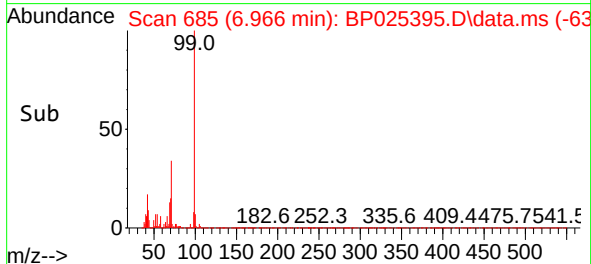
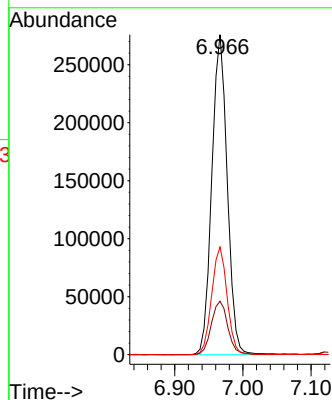
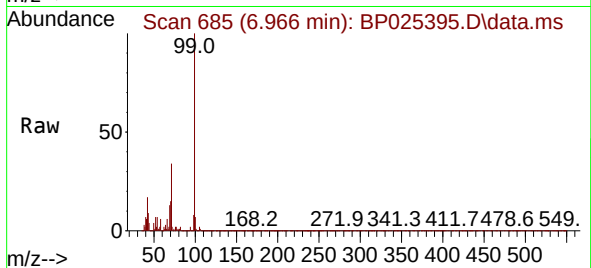




#7
Phenol-d6
Concen: 39.702 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

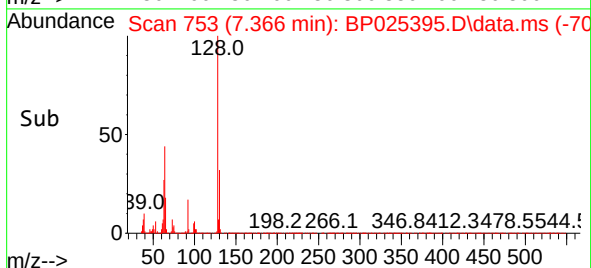
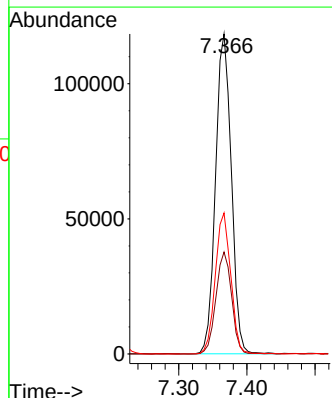
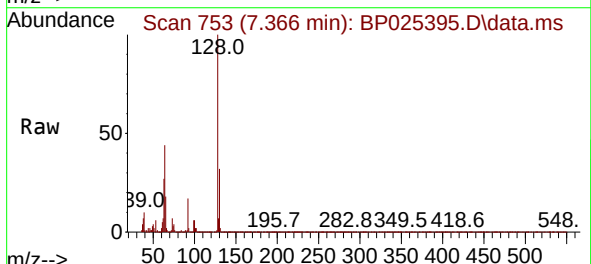
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

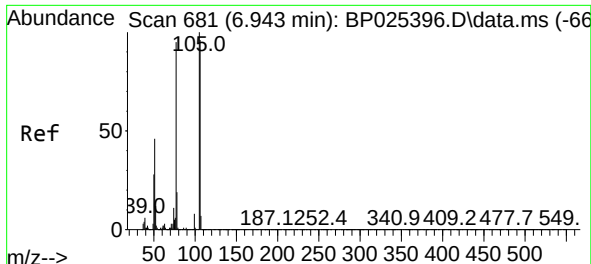
Tgt Ion: 99 Resp: 434388
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 33.7 28.2 42.4



#8
2-Chlorophenol
Concen: 19.819 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 128 Resp: 190858
Ion Ratio Lower Upper
128 100
130 31.9 12.6 52.6
64 44.0 23.4 63.4

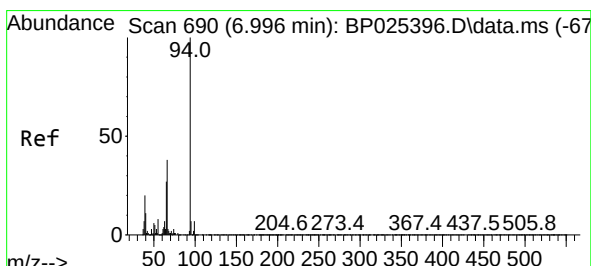
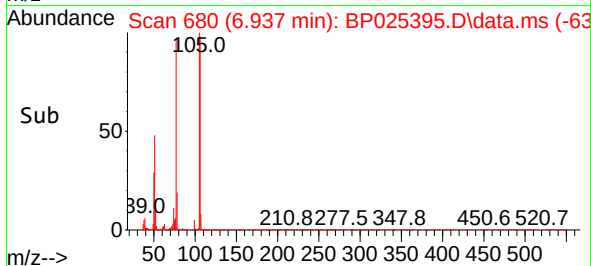
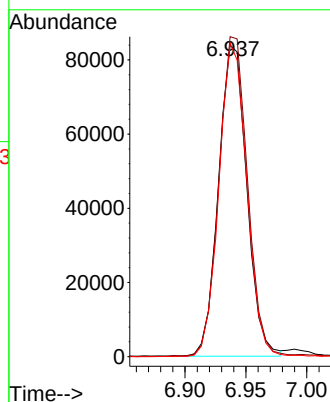
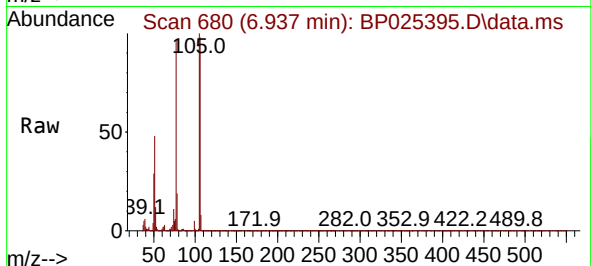




#9
Benzaldehyde
Concen: 17.672 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

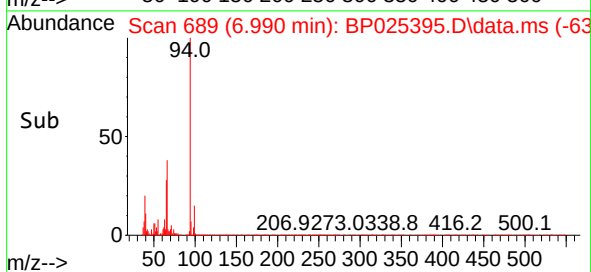
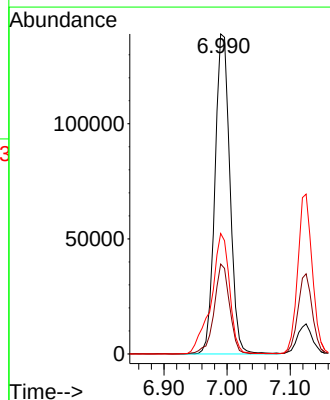
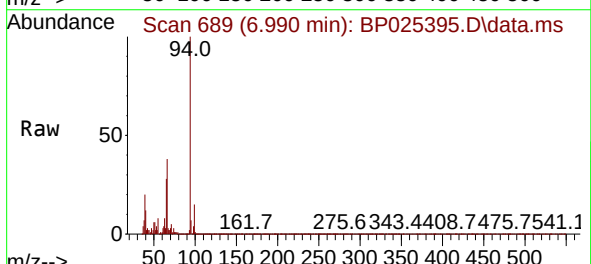
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

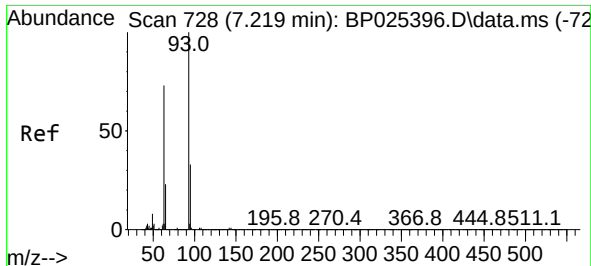
Tgt Ion: 77 Resp: 135464
Ion Ratio Lower Upper
77 100
105 102.7 84.8 124.8
106 100.6 80.5 120.5



#10
Phenol
Concen: 19.910 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 94 Resp: 228580
Ion Ratio Lower Upper
94 100
65 28.1 6.8 46.8
66 37.7 18.2 58.2

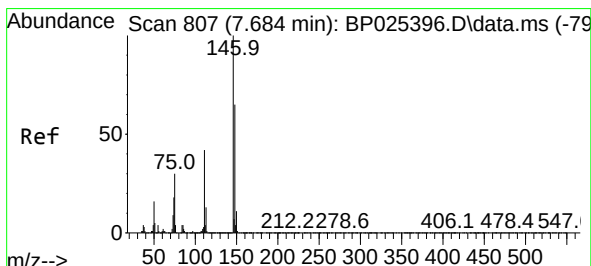
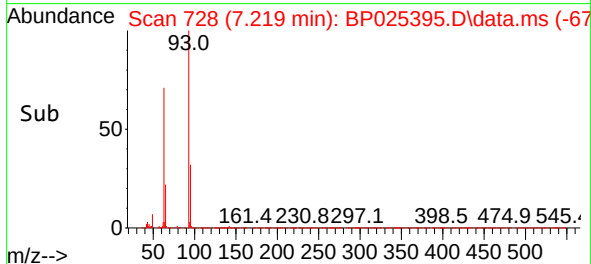
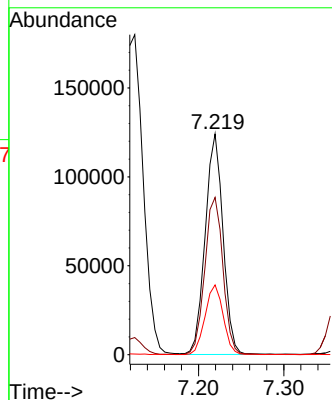
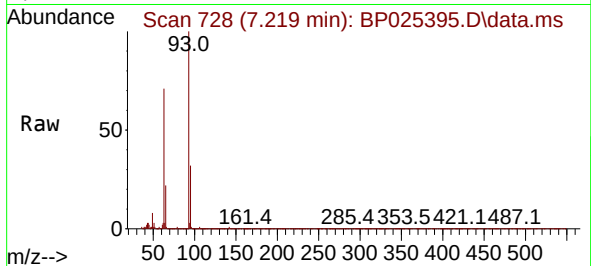




#11
 bis(2-Chloroethyl)ether
 Concen: 20.159 ng
 RT: 7.219 min Scan# 728
 Delta R.T. 0.000 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

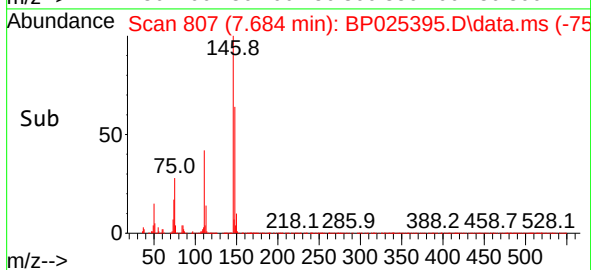
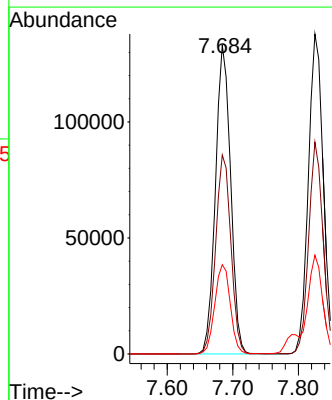
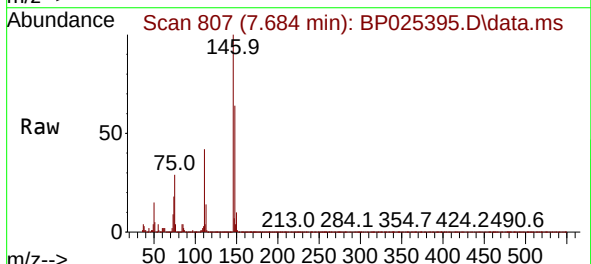
Instrument :
 BNA_P
 ClientSampleId :
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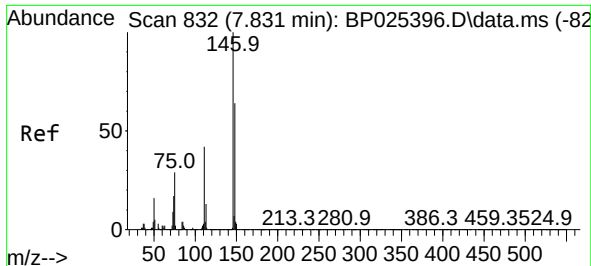
Tgt Ion: 93 Resp: 180390
 Ion Ratio Lower Upper
 93 100
 63 71.2 52.6 92.6
 95 31.6 12.7 52.7



#12
 1,3-Dichlorobenzene
 Concen: 20.061 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

Tgt Ion: 146 Resp: 213023
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.9 77.9
 75 28.9 23.7 35.5

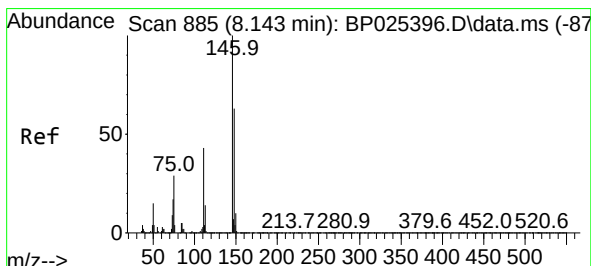
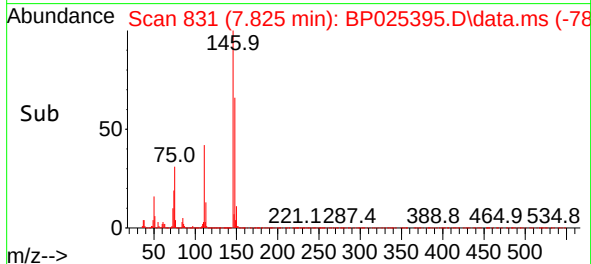
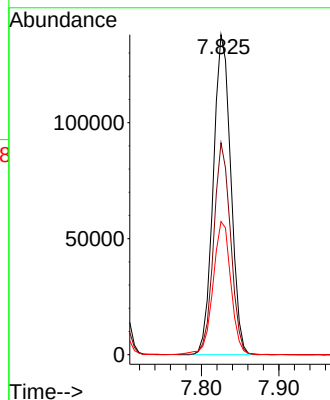
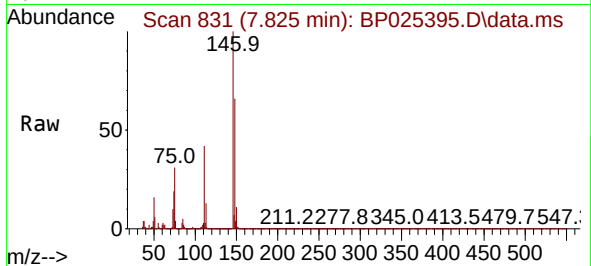




#13
1,4-Dichlorobenzene
Concen: 19.938 ng
RT: 7.825 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

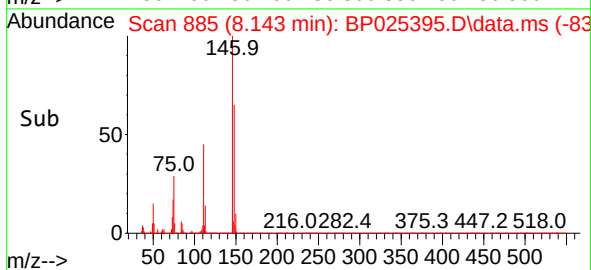
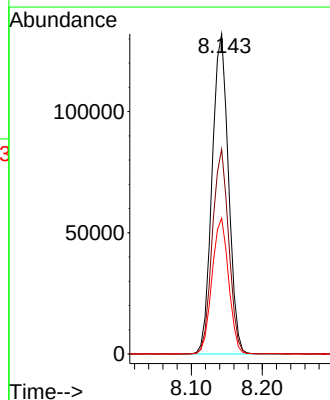
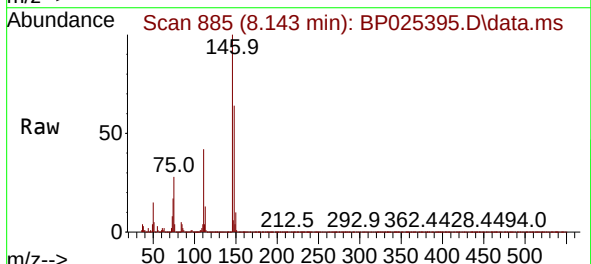
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

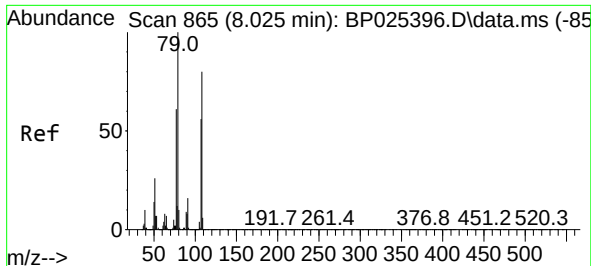
Tgt Ion:146 Resp: 216400
Ion Ratio Lower Upper
146 100
148 66.2 51.6 77.4
111 41.6 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 20.106 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 211243
Ion Ratio Lower Upper
146 100
148 64.0 50.4 75.6
111 42.4 34.5 51.7

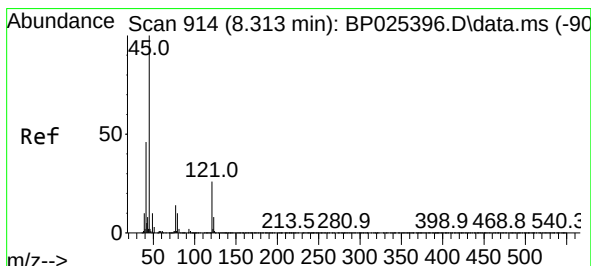
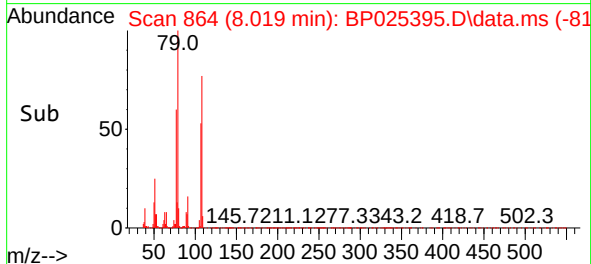
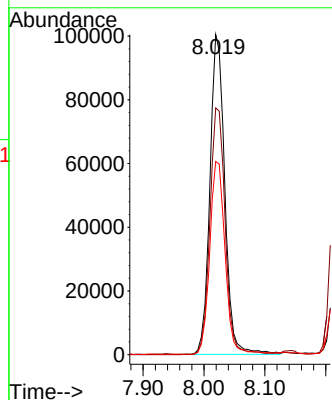
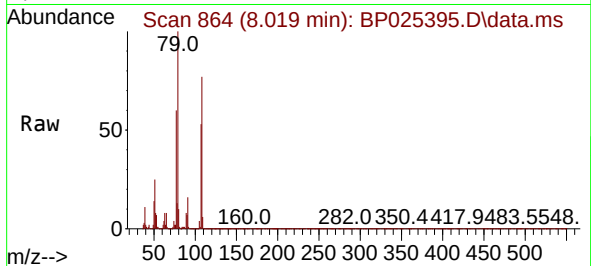




#15
Benzyl Alcohol
Concen: 19.640 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

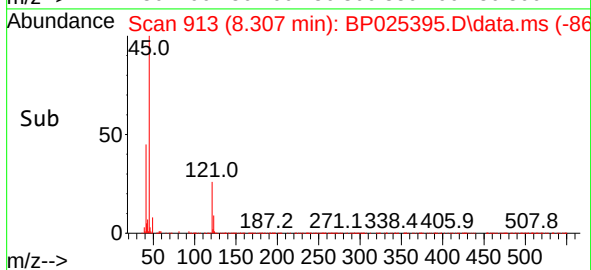
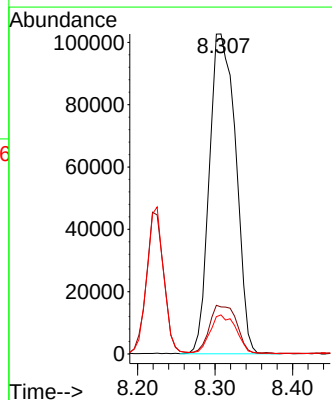
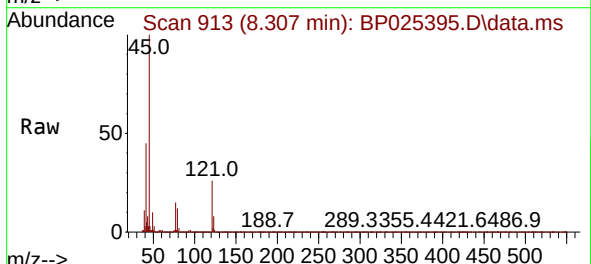
Instrument :
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ClientSampleId :
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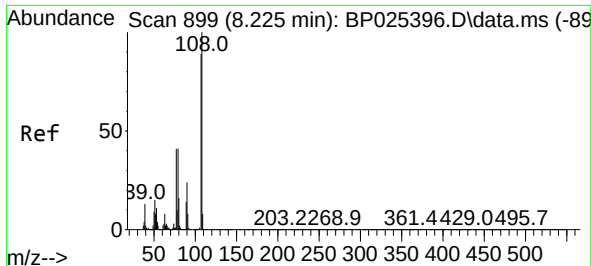
Tgt Ion: 79 Resp: 170736
Ion Ratio Lower Upper
79 100
108 77.1 63.8 95.6
77 60.3 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.240 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 45 Resp: 242616
Ion Ratio Lower Upper
45 100
77 14.7 0.0 35.3
79 12.2 0.0 31.8

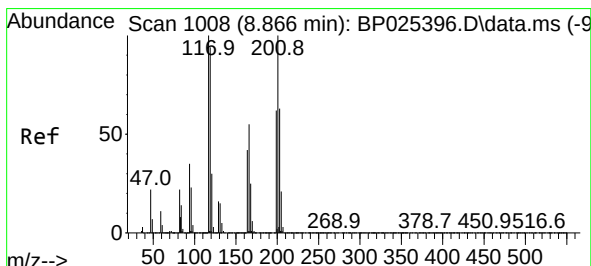
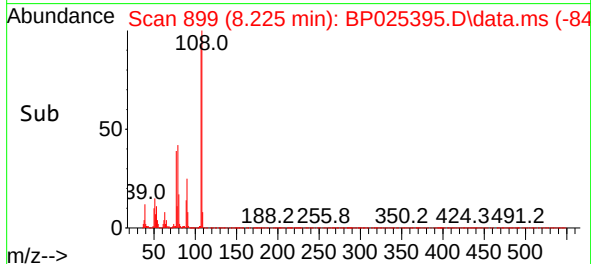
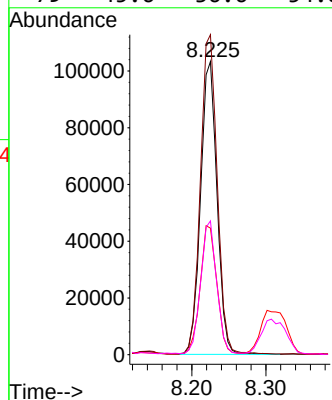
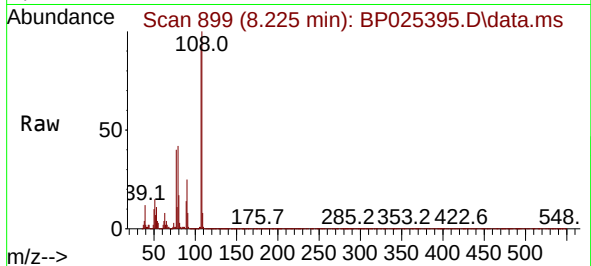




#17
2-Methylphenol
Concen: 19.956 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

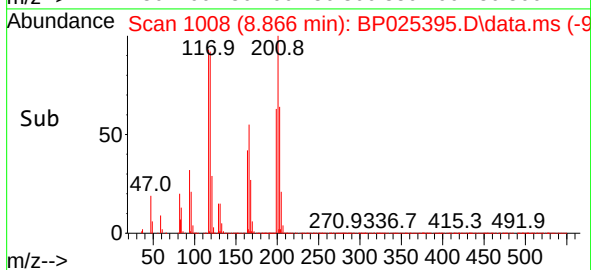
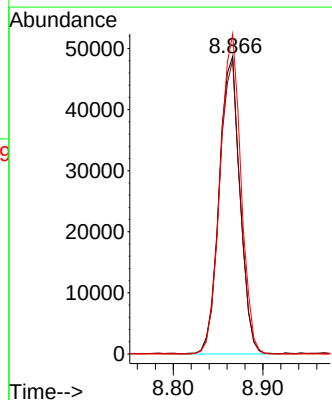
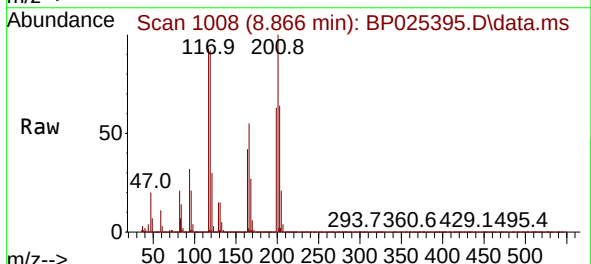
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

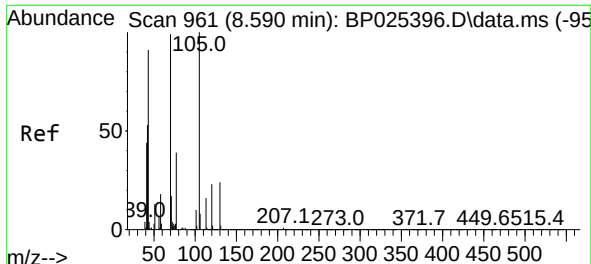
Tgt Ion:	107	Resp:	159119
Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.4	134.0
77	43.2	36.3	54.5
79	45.6	36.6	54.8



#18
Hexachloroethane
Concen: 19.597 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:	117	Resp:	78205
Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.1	112.7
201	107.5	80.1	120.1



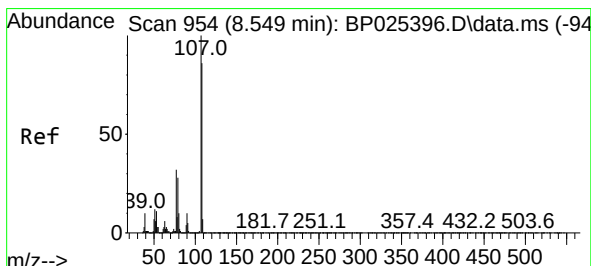
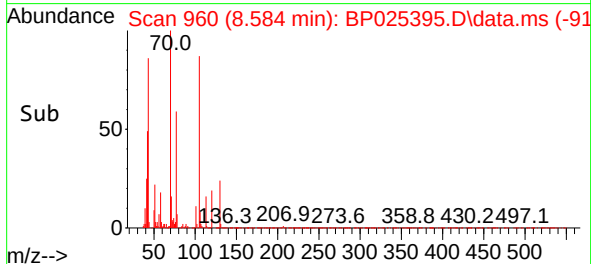
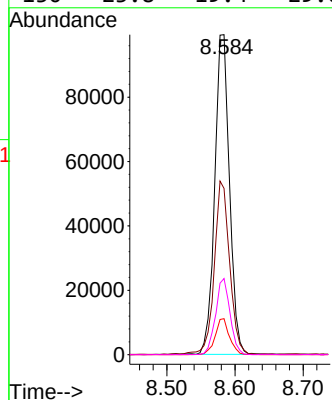
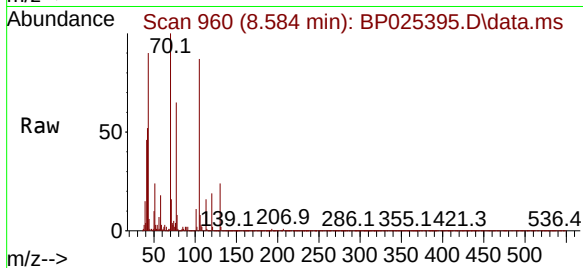


#19
n-Nitroso-di-n-propylamine
Concen: 20.633 ng
RT: 8.584 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 149715

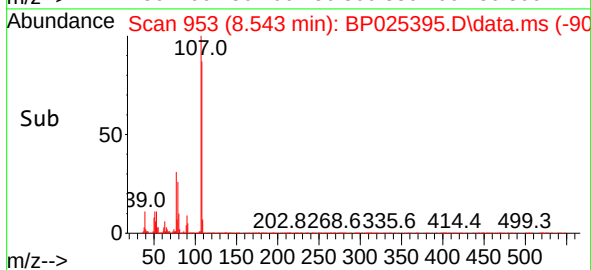
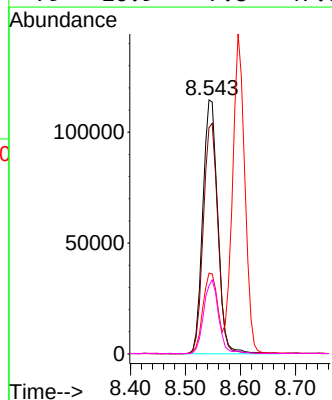
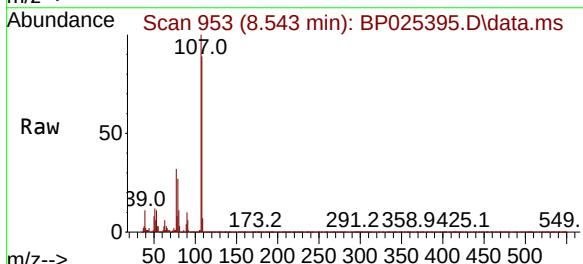
Ion	Ratio	Lower	Upper
70	100		
42	52.0	43.8	65.6
101	11.3	8.5	12.7
130	23.8	19.4	29.0

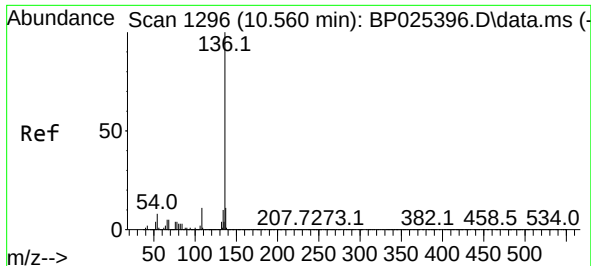


#20
3+4-Methylphenols
Concen: 19.655 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 107 Resp: 217240

Ion	Ratio	Lower	Upper
107	100		
108	89.1	66.3	106.3
77	31.8	12.3	52.3
79	26.9	7.8	47.8

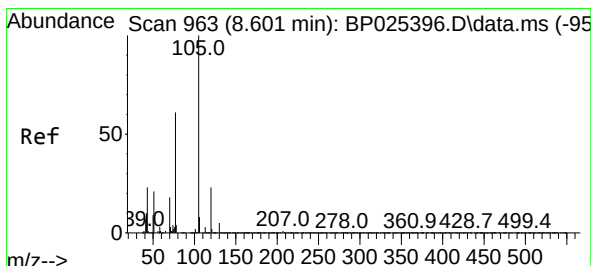
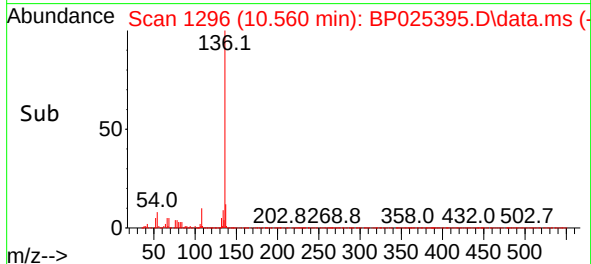
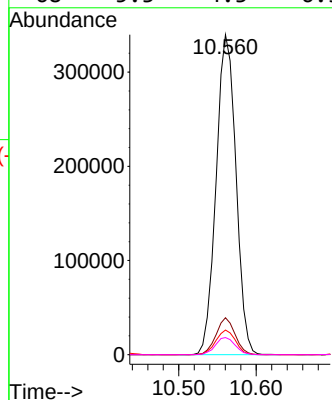
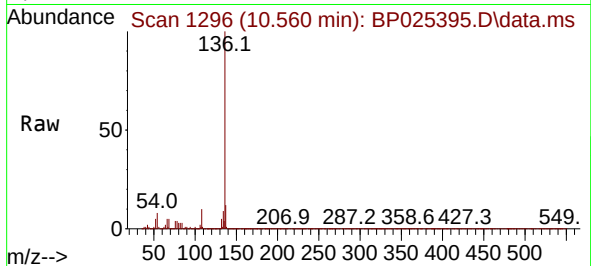




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

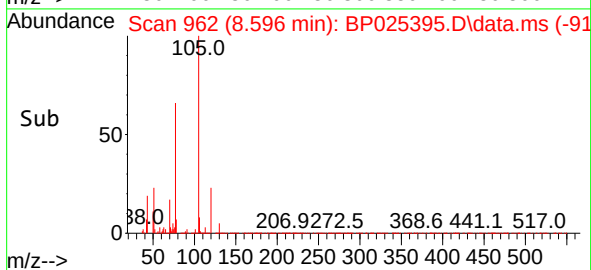
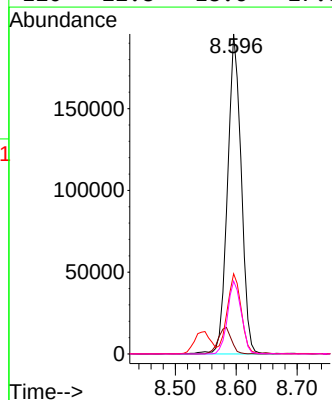
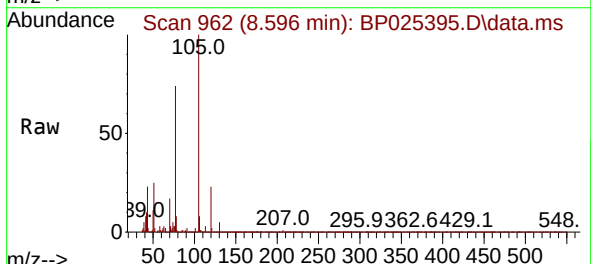
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

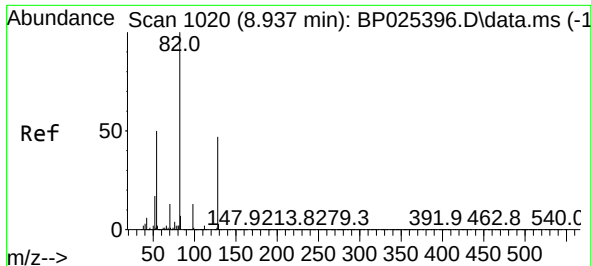
Tgt Ion:	136	Resp:	603797
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.7	6.0	9.0
68	5.3	4.3	6.5



#22
Acetophenone
Concen: 20.196 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:	105	Resp:	305812
Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.6	4.0
51	25.0	20.6	30.8
120	22.8	18.6	27.8

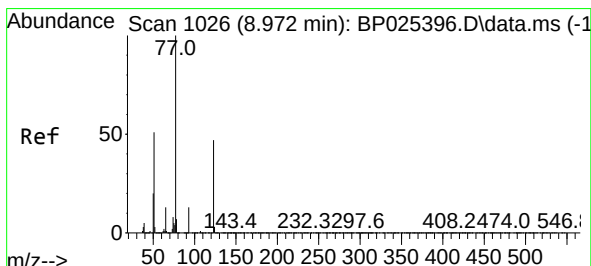
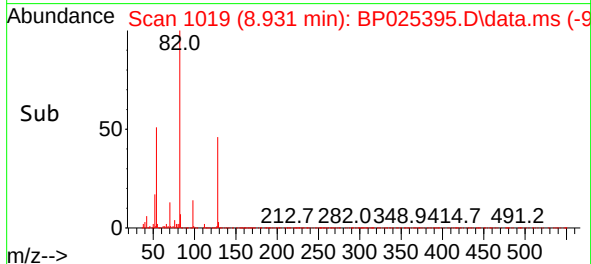
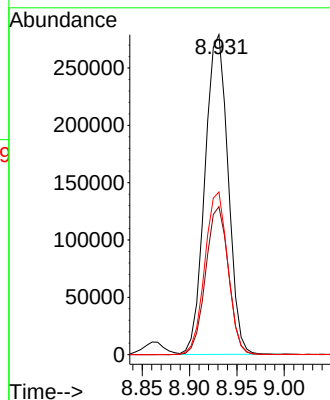
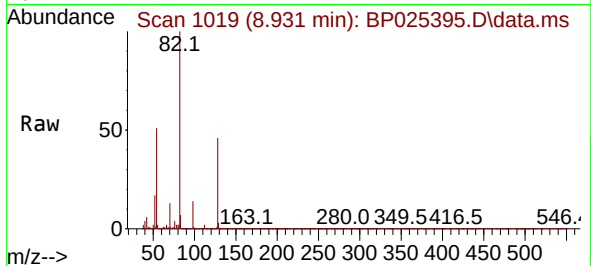




#23
Nitrobenzene-d5
Concen: 39.706 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

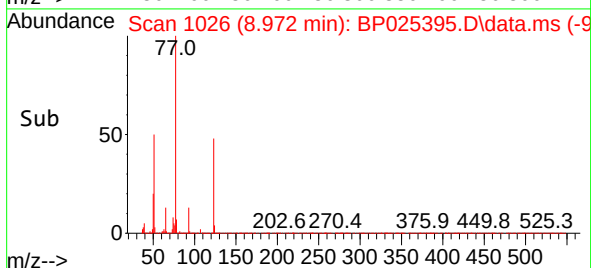
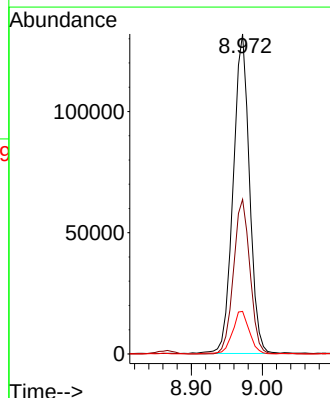
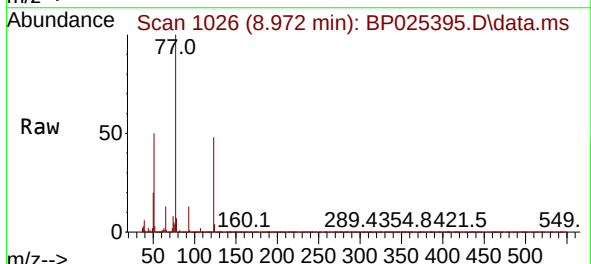
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

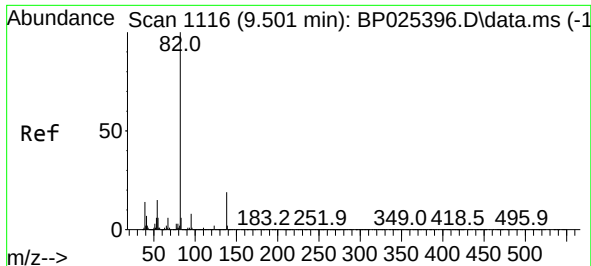
Tgt Ion: 82 Resp: 473937
Ion Ratio Lower Upper
82 100
128 46.3 37.7 56.5
54 50.8 39.8 59.6



#24
Nitrobenzene
Concen: 19.708 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 77 Resp: 210234
Ion Ratio Lower Upper
77 100
123 48.3 38.6 58.0
65 13.3 10.6 15.8

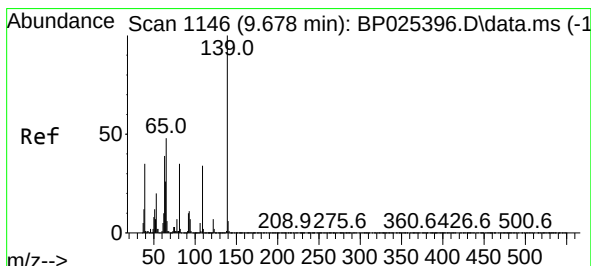
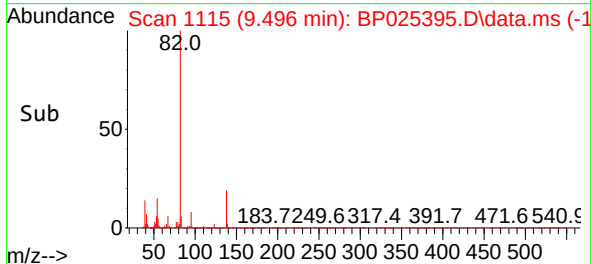
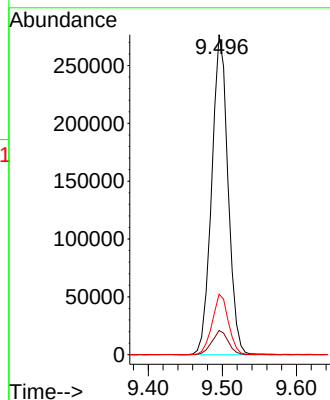
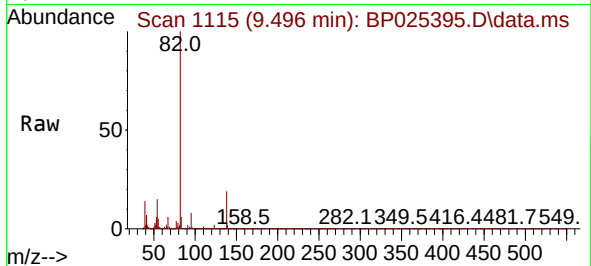




#25
Isophorone
Concen: 19.995 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

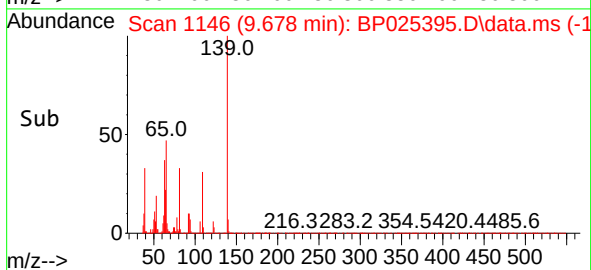
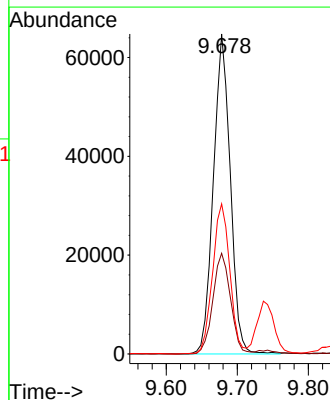
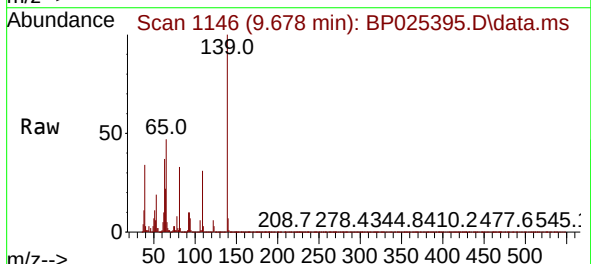
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

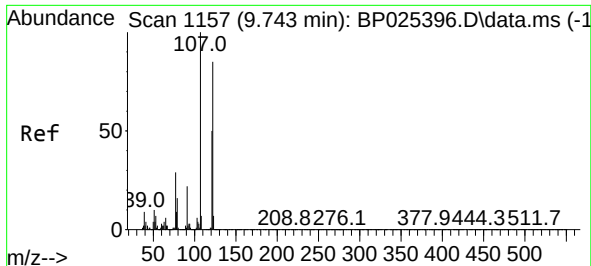
Tgt Ion: 82	Resp: 422370		
Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	18.9	15.4	23.0



#26
2-Nitrophenol
Concen: 19.509 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 139	Resp: 106805		
Ion	Ratio	Lower	Upper
139	100		
109	31.5	26.9	40.3
65	46.9	38.3	57.5





#27

2,4-Dimethylphenol

Concen: 18.963 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

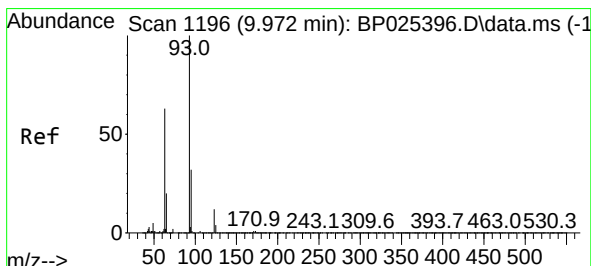
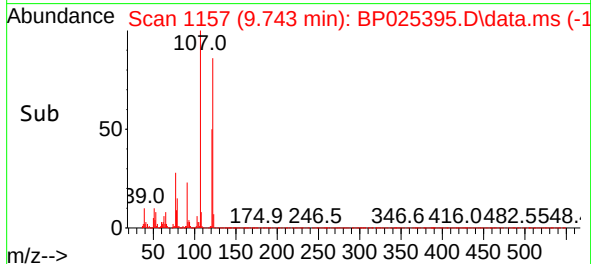
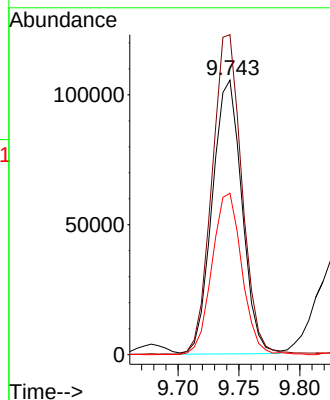
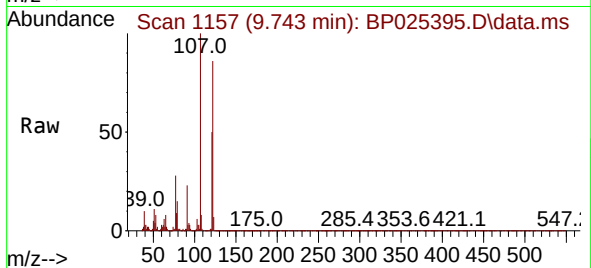
Tgt Ion:122 Resp: 178534

Ion Ratio Lower Upper

122 100

107 116.5 93.7 140.5

121 58.8 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 20.100 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

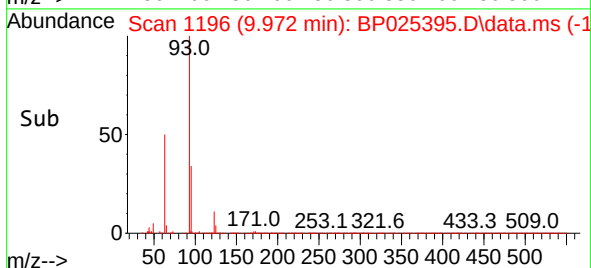
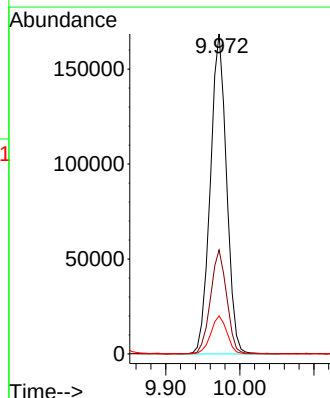
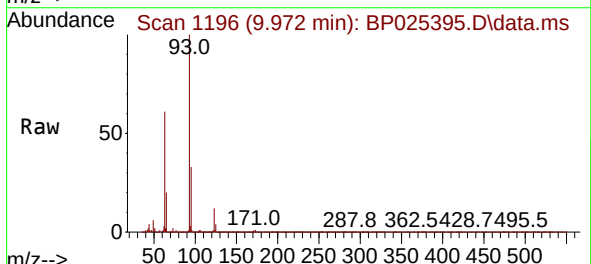
Tgt Ion: 93 Resp: 256656

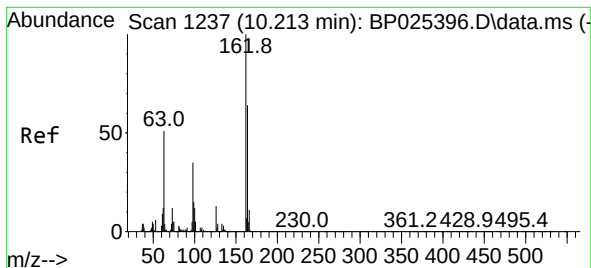
Ion Ratio Lower Upper

93 100

95 32.5 25.4 38.0

123 11.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 19.896 ng

RT: 10.207 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

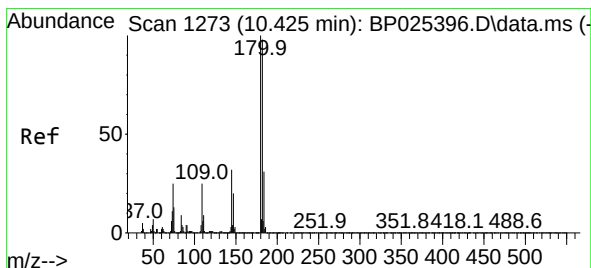
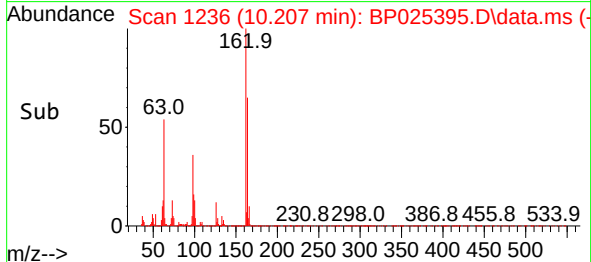
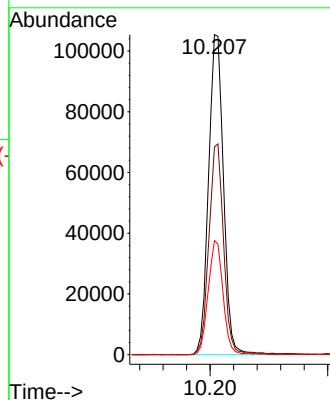
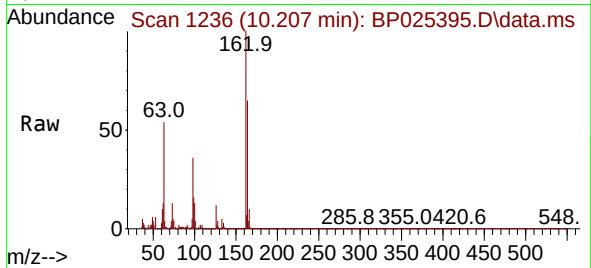
Tgt Ion:162 Resp: 186076

Ion Ratio Lower Upper

162 100

164 64.9 44.4 84.4

98 35.7 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 19.702 ng

RT: 10.425 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

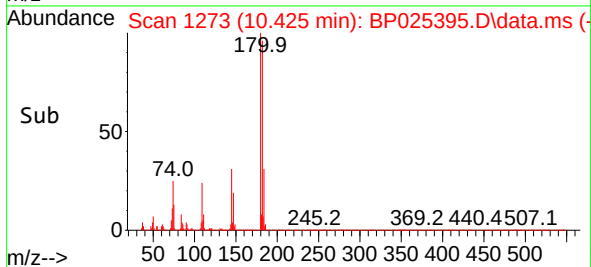
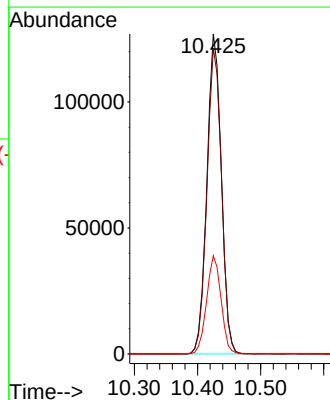
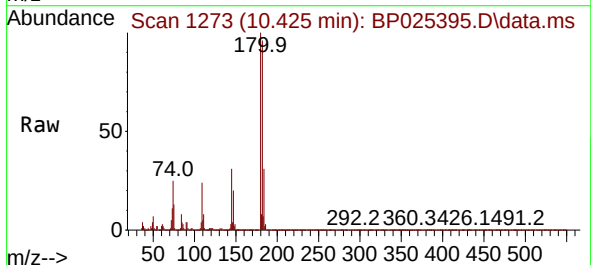
Tgt Ion:180 Resp: 201995

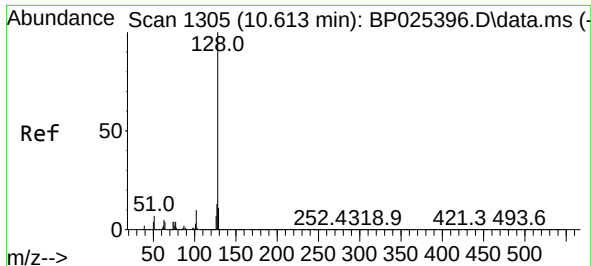
Ion Ratio Lower Upper

180 100

182 95.6 78.0 117.0

145 30.7 25.9 38.9

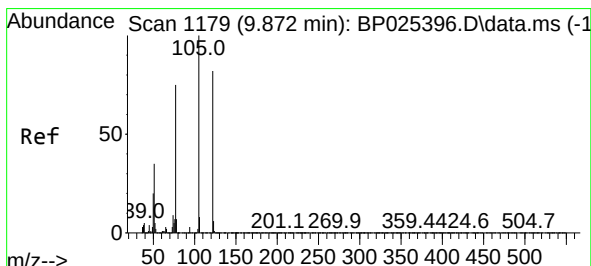
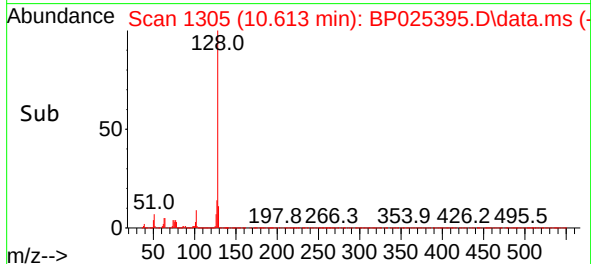
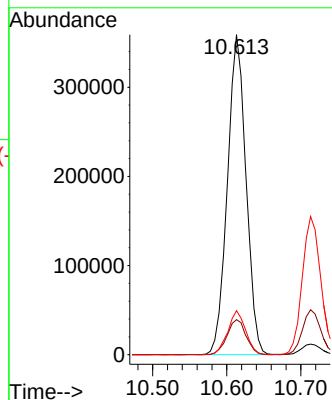
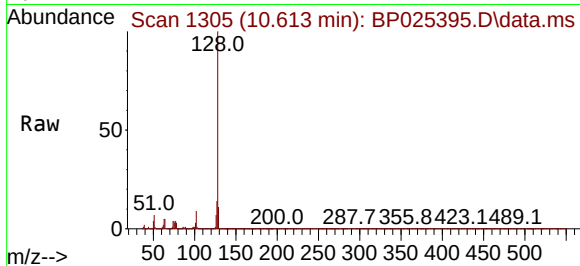




#31
Naphthalene
Concen: 19.944 ng
RT: 10.613 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

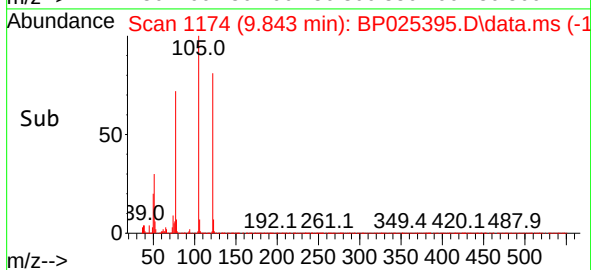
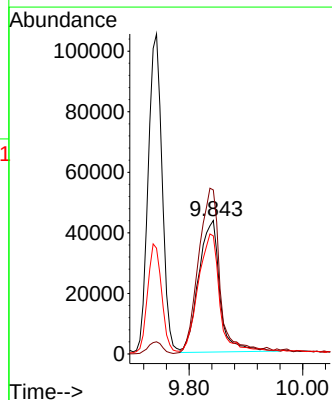
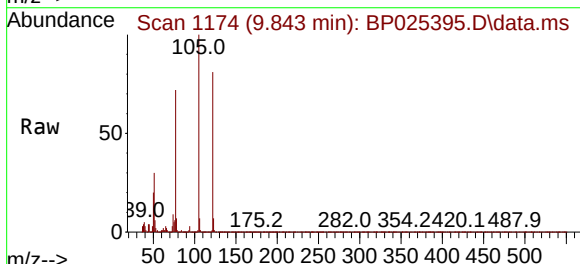
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

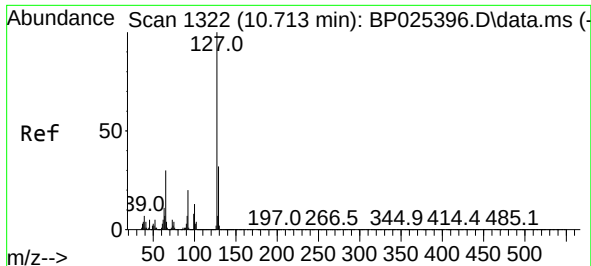
Tgt Ion:128 Resp: 625899
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.7 10.7 16.1



#32
Benzoic acid
Concen: 16.287 ng
RT: 9.843 min Scan# 1174
Delta R.T. -0.029 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:122 Resp: 112932
Ion Ratio Lower Upper
122 100
105 122.9 100.6 140.6
77 88.5 71.5 111.5

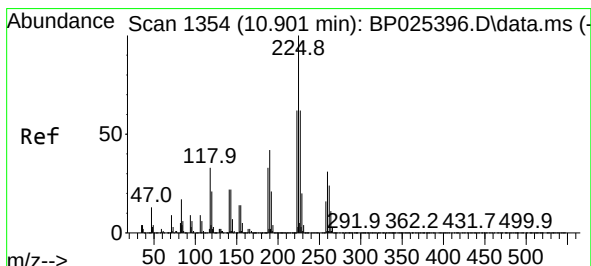
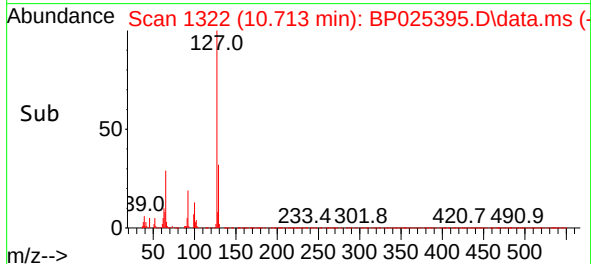
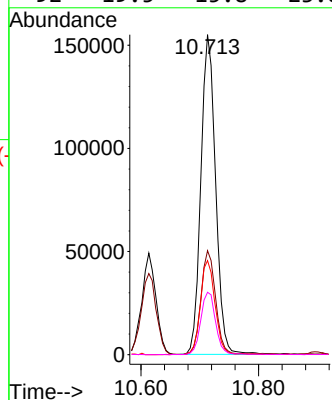
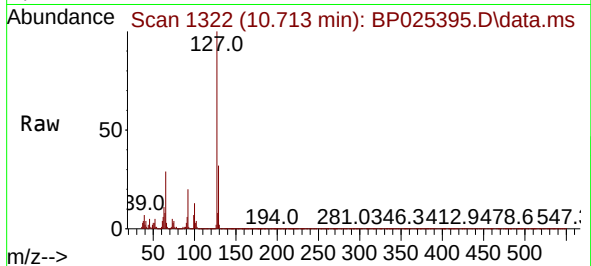




#33
4-Chloroaniline
Concen: 19.489 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

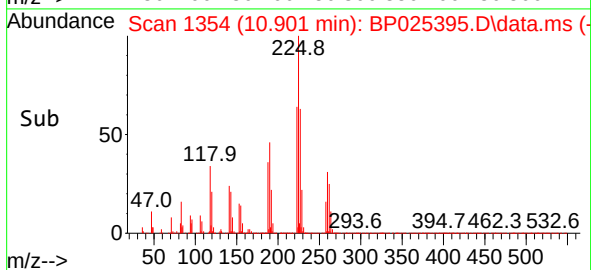
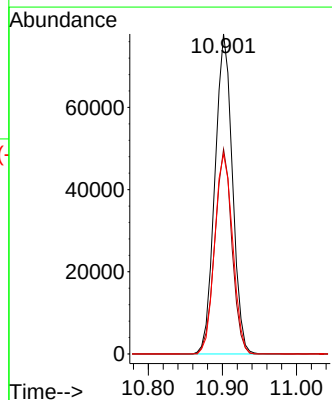
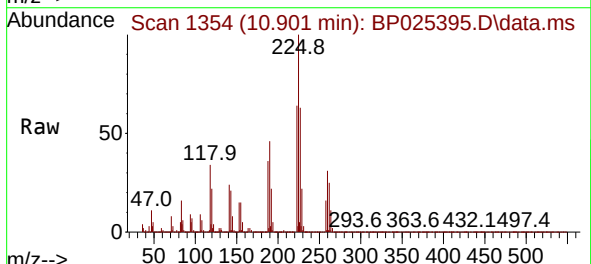
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

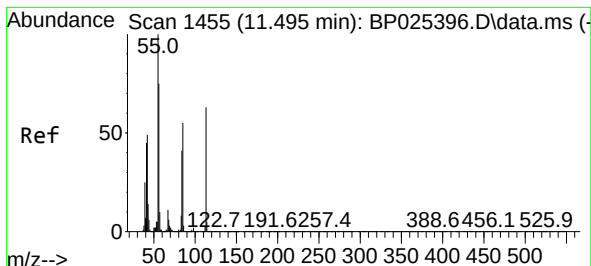
Tgt Ion:	127	Resp:	270158
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	29.4	23.8	35.6
92	19.5	15.8	23.8



#34
Hexachlorobutadiene
Concen: 19.983 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:	225	Resp:	127593
Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	62.5	49.7	74.5





#35

Caprolactam

Concen: 19.294 ng

RT: 11.484 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

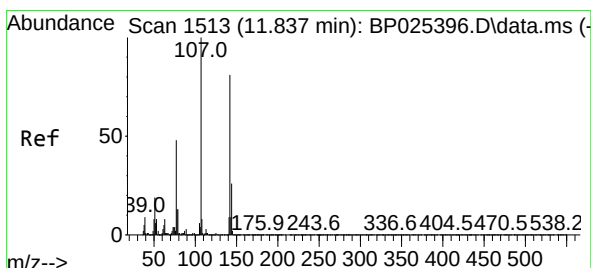
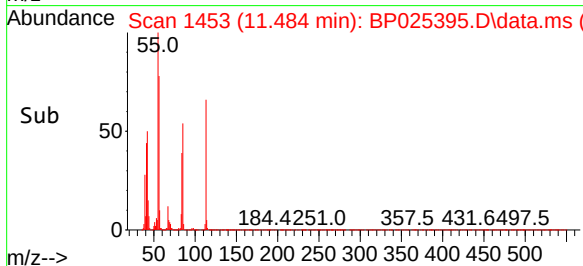
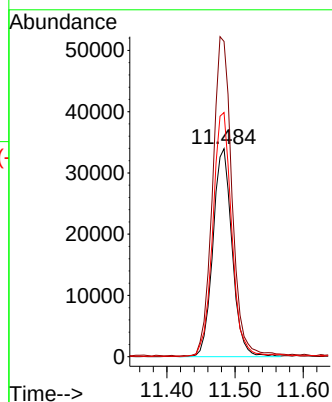
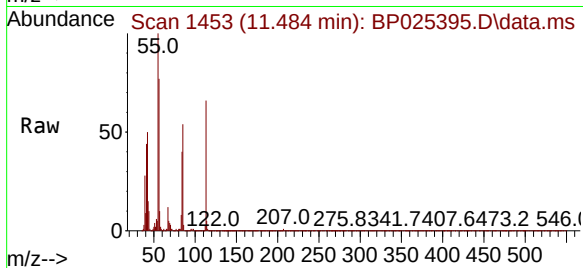
Tgt Ion:113 Resp: 66168

Ion Ratio Lower Upper

113 100

55 151.5 140.0 180.0

56 117.4 100.0 140.0



#36

4-Chloro-3-methylphenol

Concen: 19.551 ng

RT: 11.837 min Scan# 1513

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

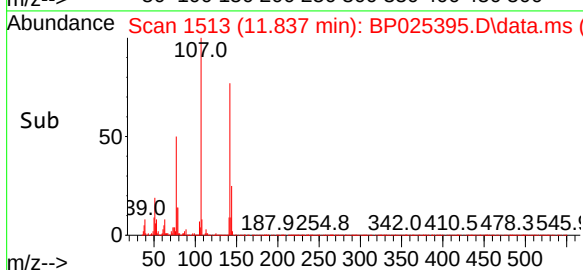
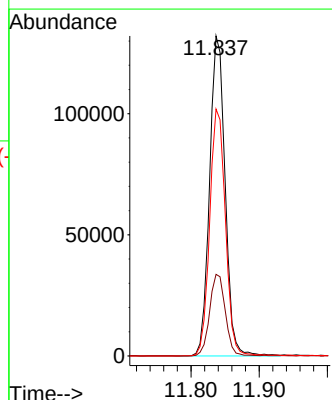
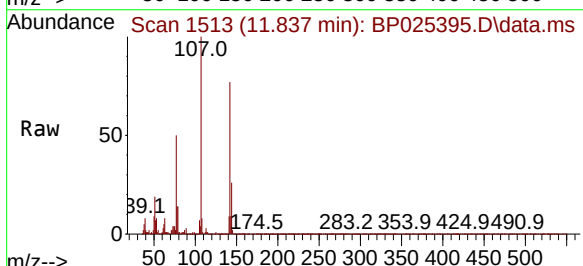
Tgt Ion:107 Resp: 209817

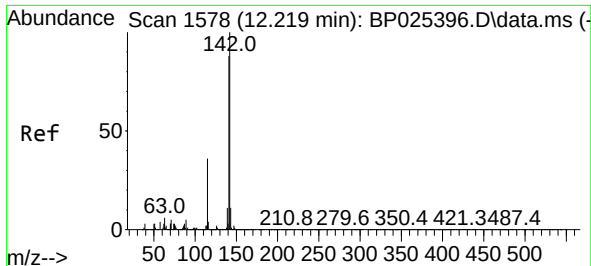
Ion Ratio Lower Upper

107 100

144 25.5 21.0 31.4

142 77.1 64.6 97.0

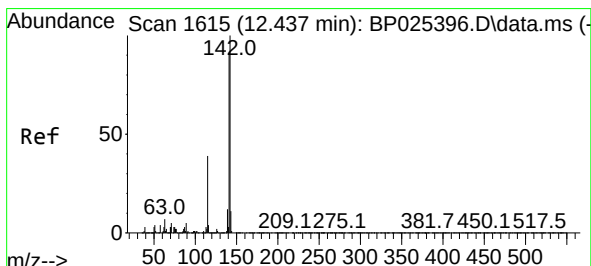
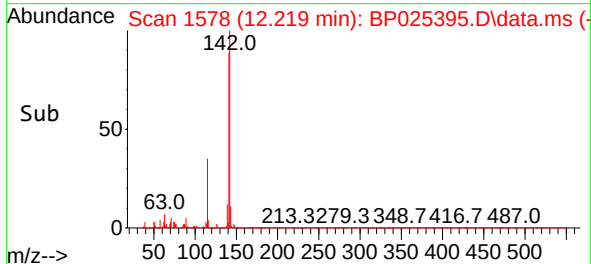
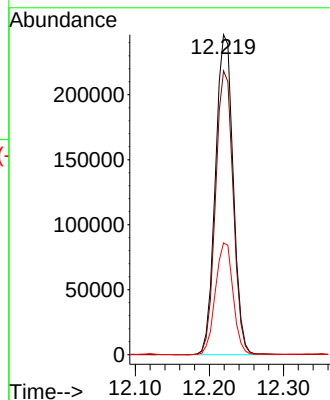
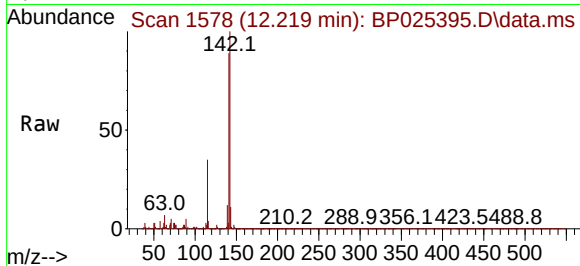




#37
2-Methylnaphthalene
Concen: 20.057 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

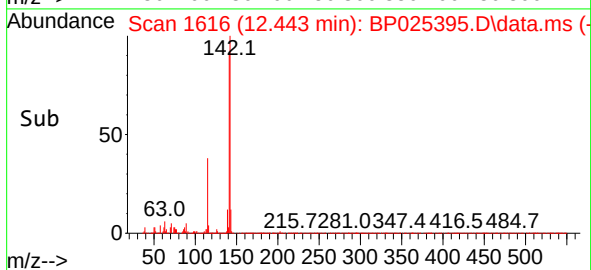
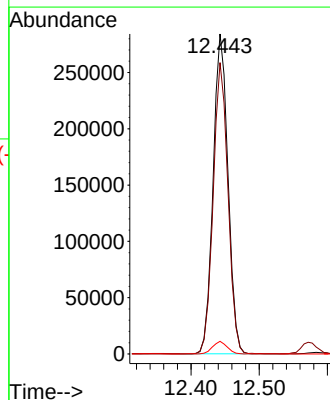
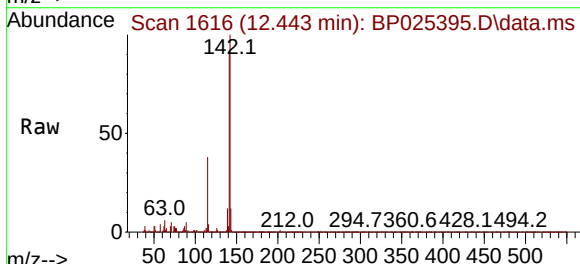
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

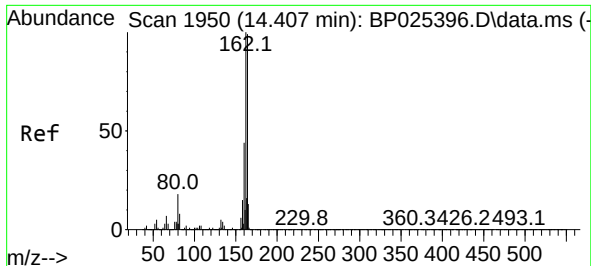
Tgt Ion:142 Resp: 409613
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5
115 35.0 28.9 43.3



#38
1-Methylnaphthalene
Concen: 19.829 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:142 Resp: 430666
Ion Ratio Lower Upper
142 100
141 91.1 73.1 109.7
116 3.9 3.2 4.8

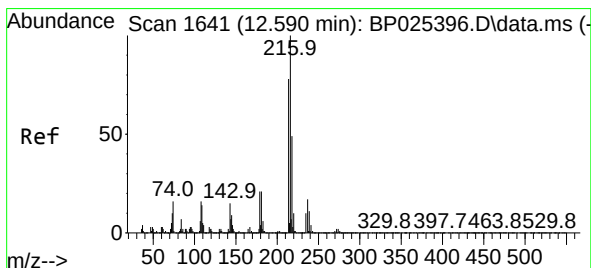
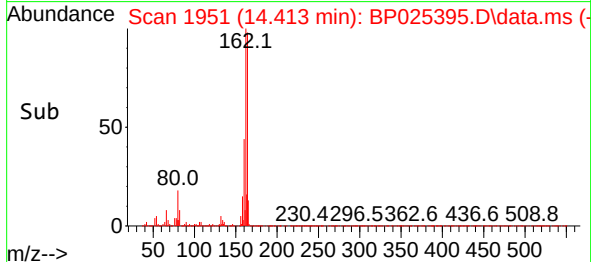
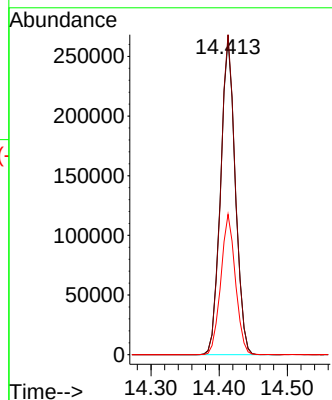
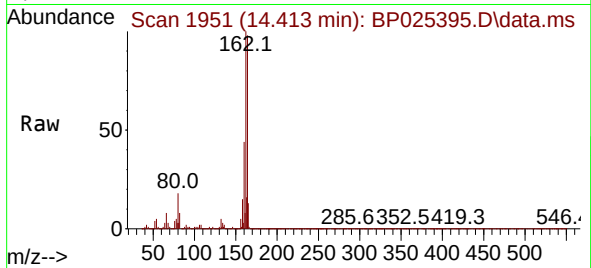




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

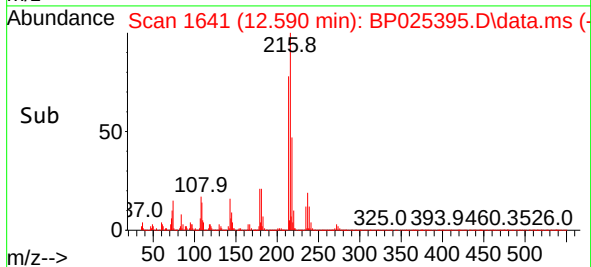
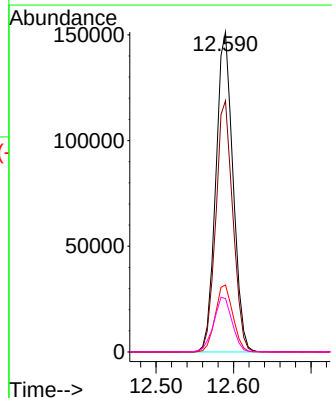
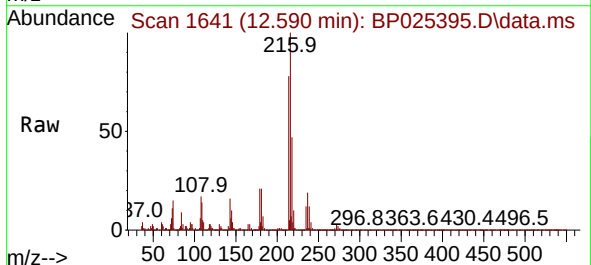
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

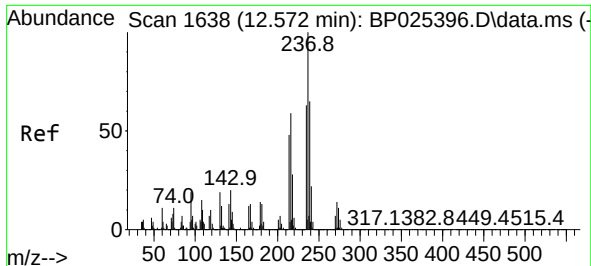
Tgt Ion:164 Resp: 399034
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.6
160 44.6 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.263 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:216 Resp: 233523
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.4
179 21.6 17.1 25.7
108 18.5 14.9 22.3

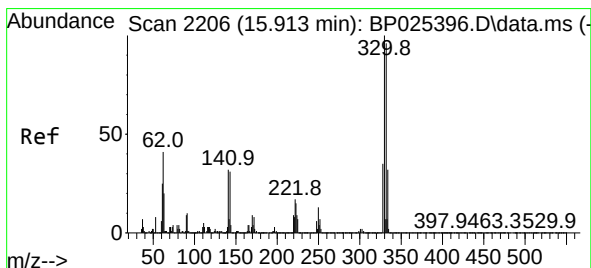
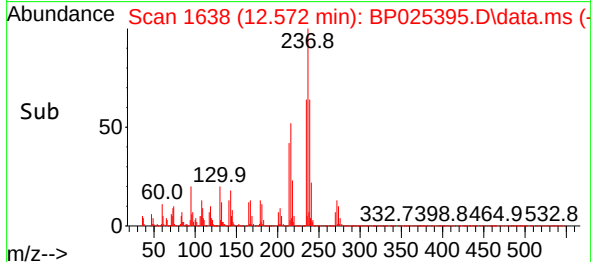
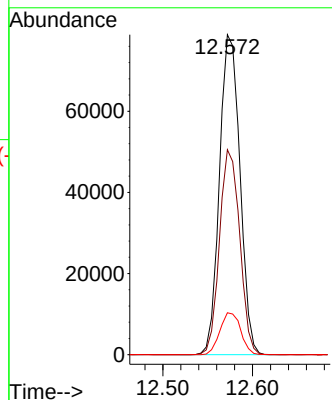
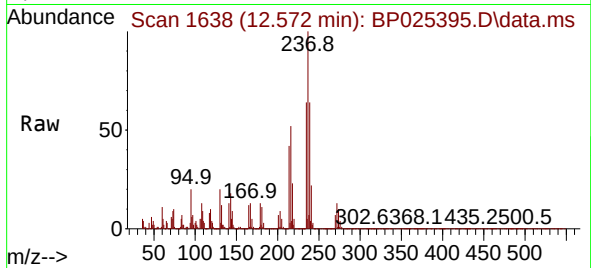




#41
Hexachlorocyclopentadiene
Concen: 17.922 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

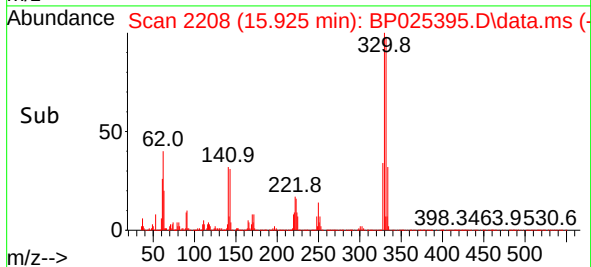
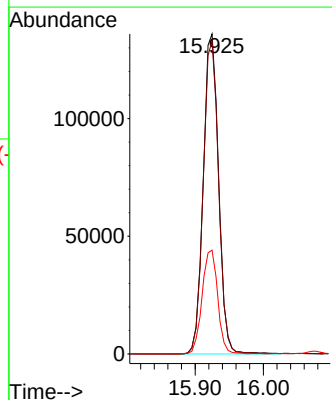
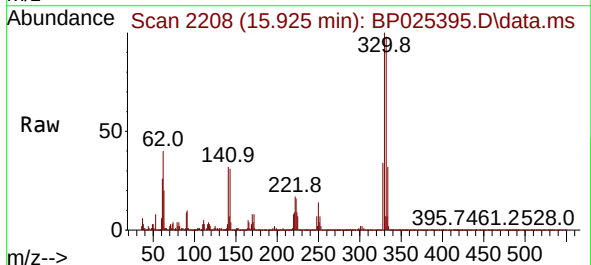
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

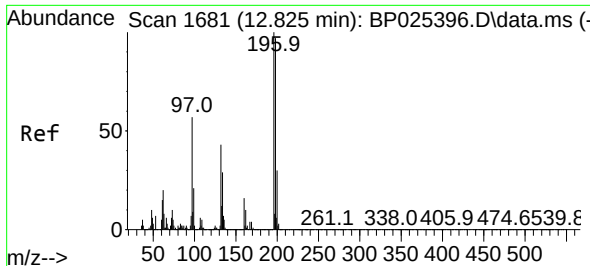
Tgt Ion:237 Resp: 124759
Ion Ratio Lower Upper
237 100
235 64.0 42.7 82.7
272 13.1 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 39.651 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:330 Resp: 212968
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 32.8 26.6 39.8

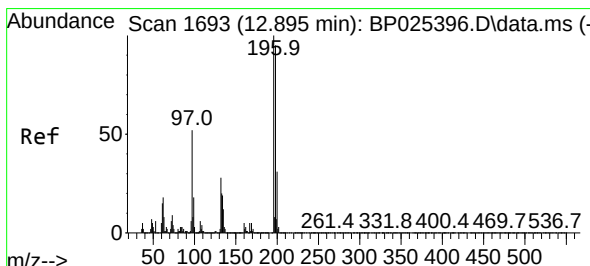
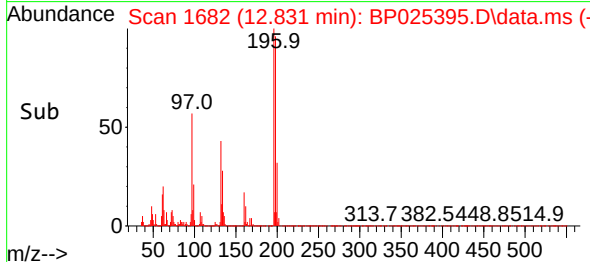
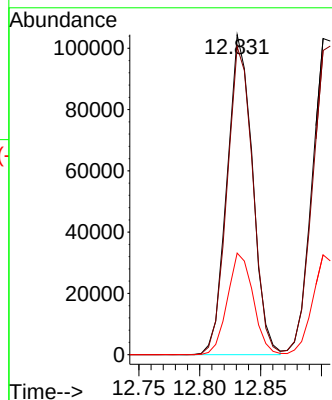
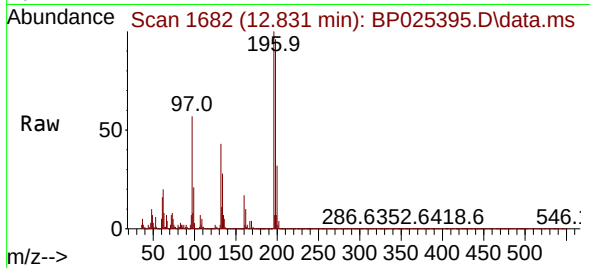




#43
2,4,6-Trichlorophenol
Concen: 19.540 ng
RT: 12.831 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

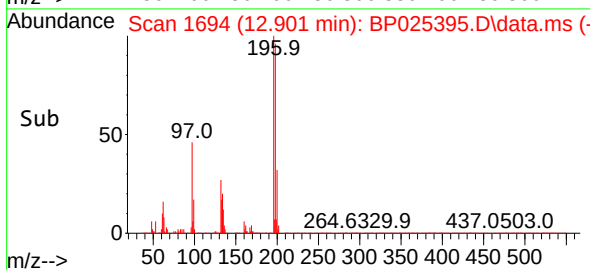
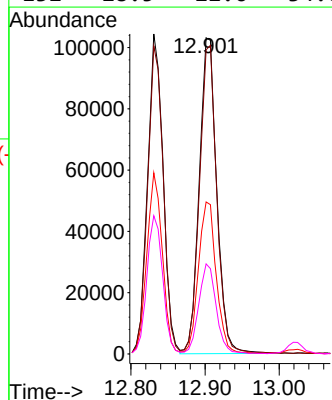
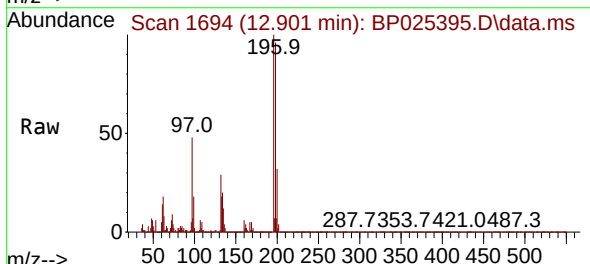
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

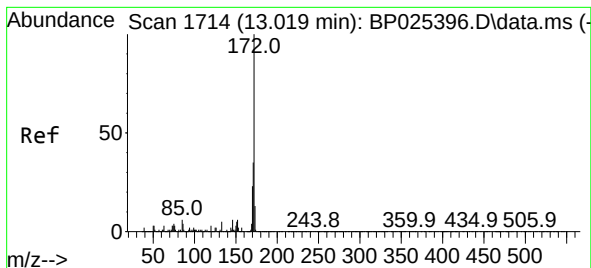
Tgt Ion:196 Resp: 152031
Ion Ratio Lower Upper
196 100
198 96.3 77.2 115.8
200 31.8 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 19.842 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:196 Resp: 169197
Ion Ratio Lower Upper
196 100
198 96.2 76.2 114.2
97 48.1 41.2 61.8
132 28.5 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 41.205 ng

RT: 13.025 min Scan# 1715

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

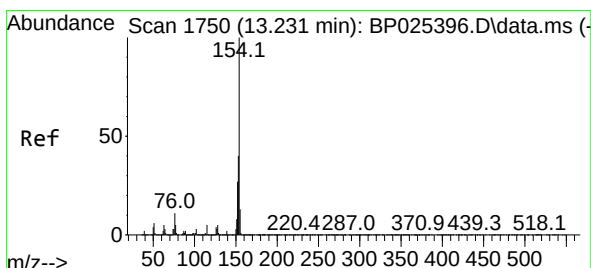
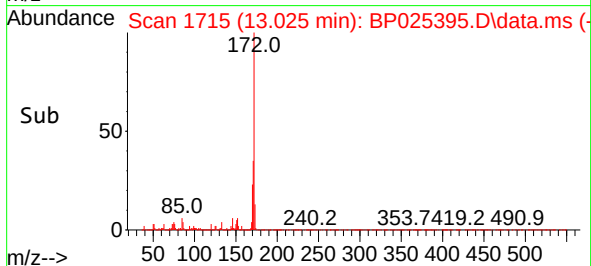
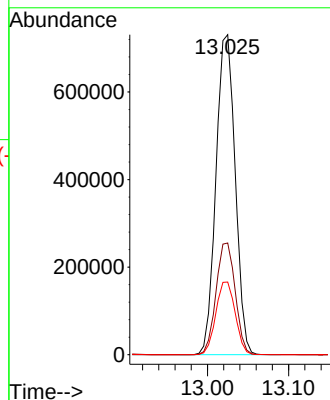
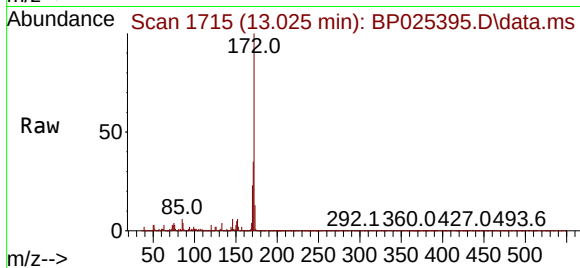
Tgt Ion:172 Resp: 1203064

Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 22.7 18.6 28.0



#46

1,1'-Biphenyl

Concen: 20.064 ng

RT: 13.237 min Scan# 1751

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

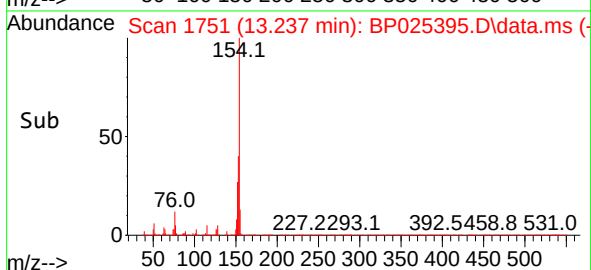
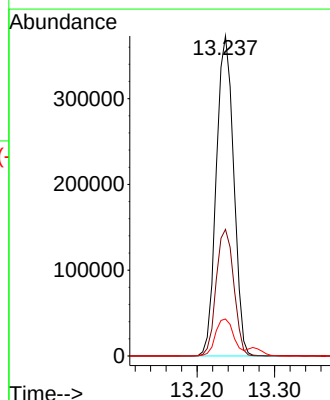
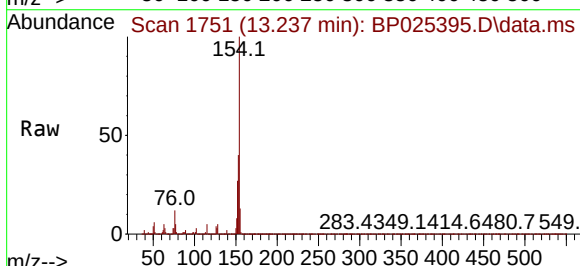
Tgt Ion:154 Resp: 581464

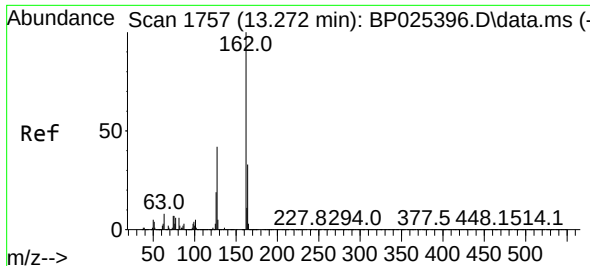
Ion Ratio Lower Upper

154 100

153 39.5 19.5 59.5

76 11.5 0.0 31.1

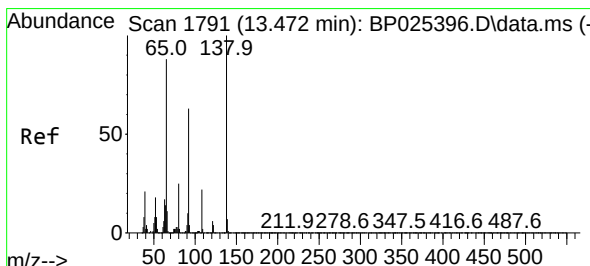
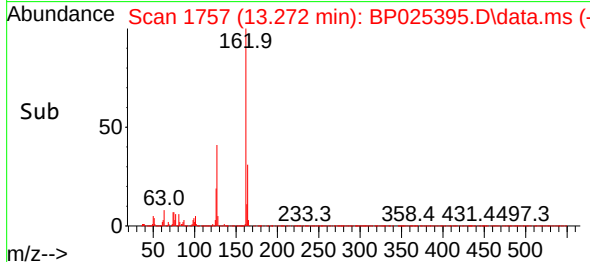
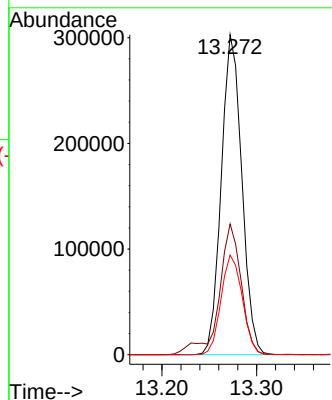
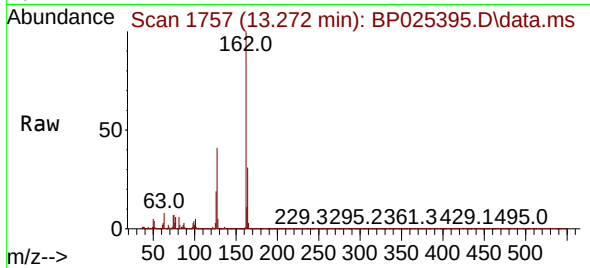




#47
2-Chloronaphthalene
Concen: 20.237 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

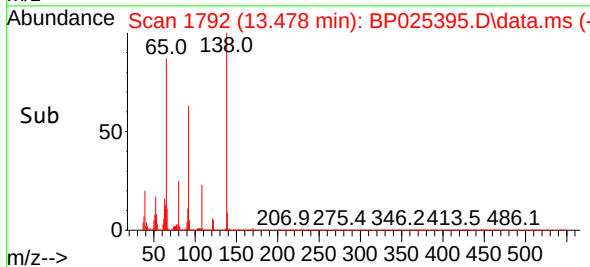
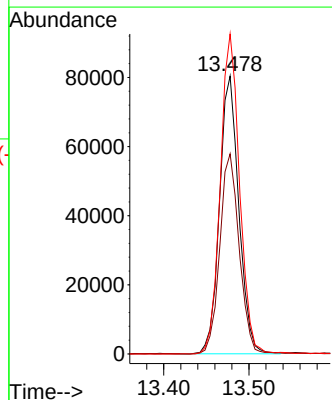
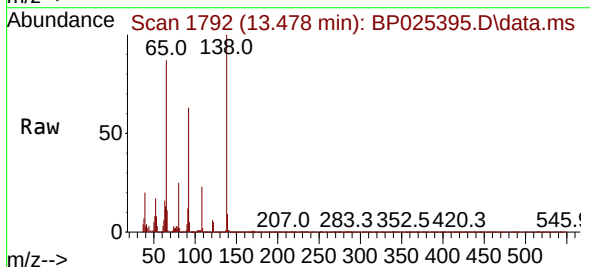
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

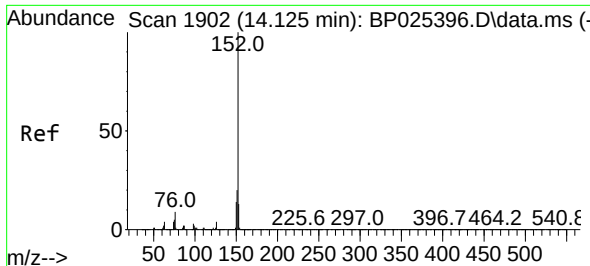
Tgt Ion:162 Resp: 456552
Ion Ratio Lower Upper
162 100
127 40.9 33.4 50.2
164 31.2 26.2 39.2



#48
2-Nitroaniline
Concen: 19.233 ng
RT: 13.478 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 65 Resp: 126433
Ion Ratio Lower Upper
65 100
92 72.0 57.6 86.4
138 115.1 91.0 136.6

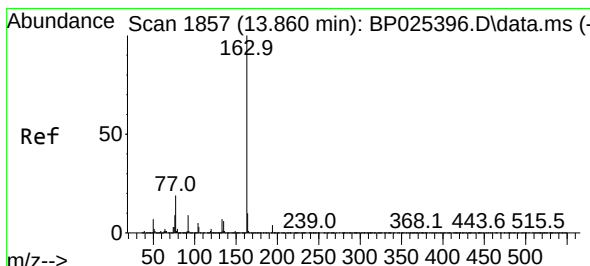
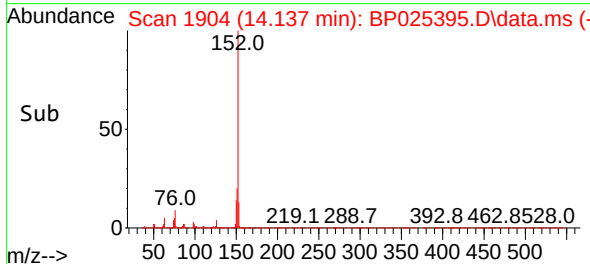
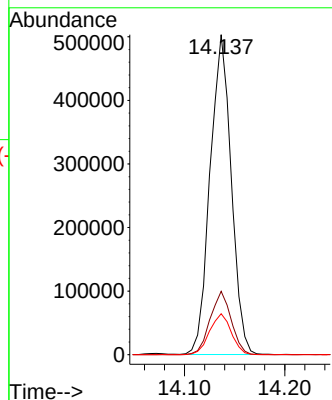
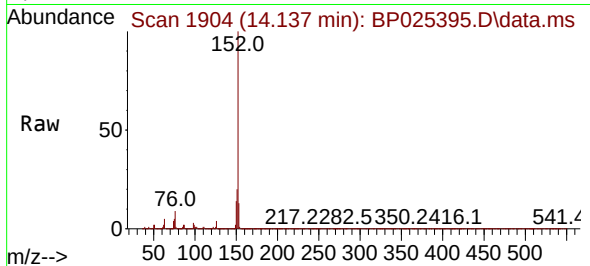




#49
Acenaphthylene
Concen: 19.756 ng
RT: 14.137 min Scan# 1904
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

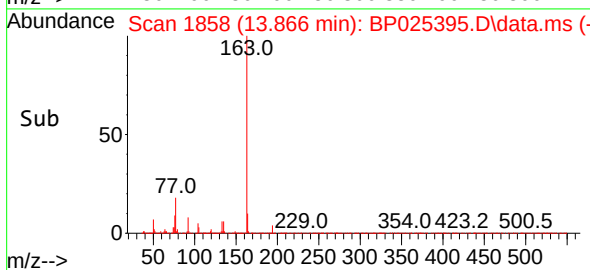
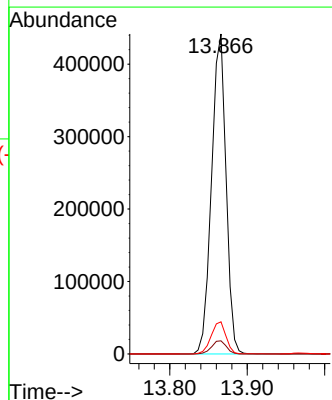
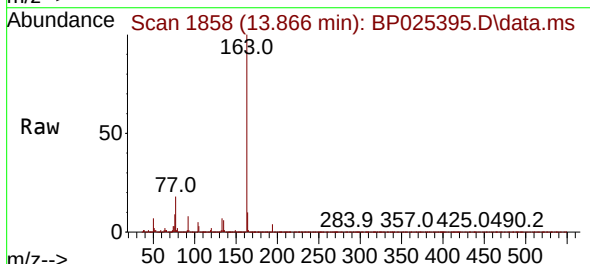
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

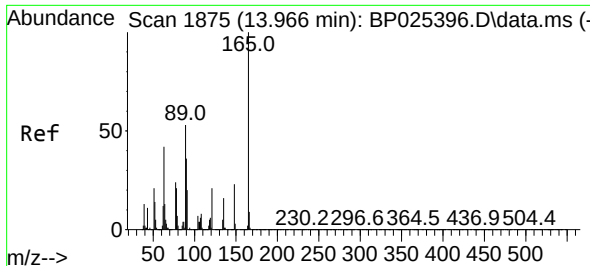
Tgt Ion:152 Resp: 737527
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 12.8 10.6 15.8



#50
Dimethylphthalate
Concen: 19.632 ng
RT: 13.866 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:163 Resp: 573661
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.1 7.9 11.9

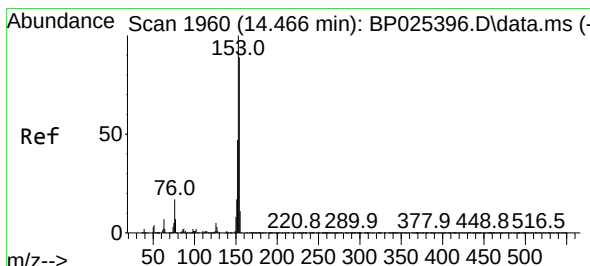
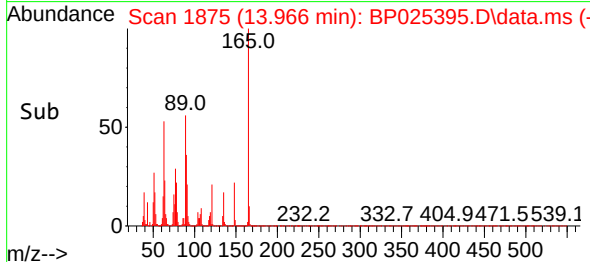
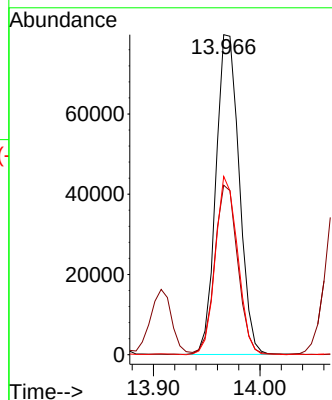
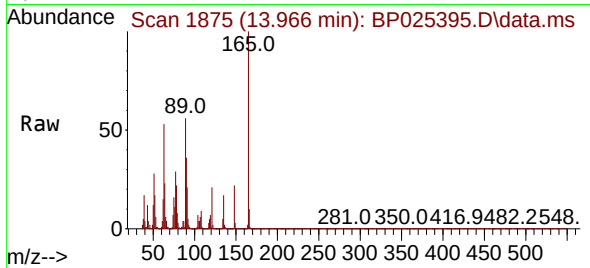




#51
2,6-Dinitrotoluene
Concen: 19.597 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

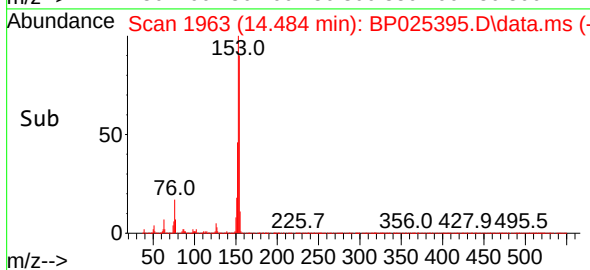
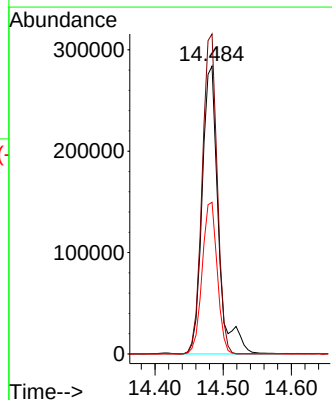
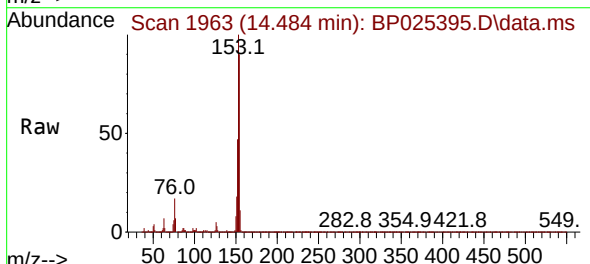
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

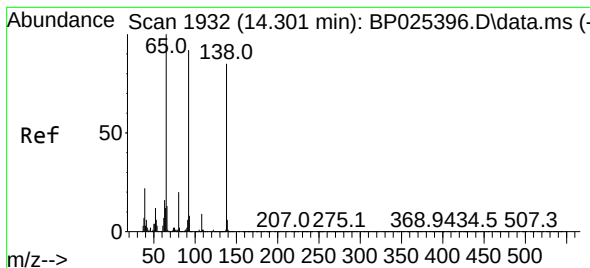
Tgt Ion:165 Resp: 120693
Ion Ratio Lower Upper
165 100
63 52.9 40.9 61.3
89 55.7 42.1 63.1



#52
Acenaphthene
Concen: 21.423 ng
RT: 14.484 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:154 Resp: 469441
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.2
152 52.7 42.1 63.1

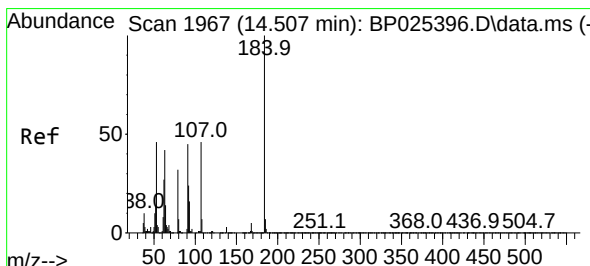
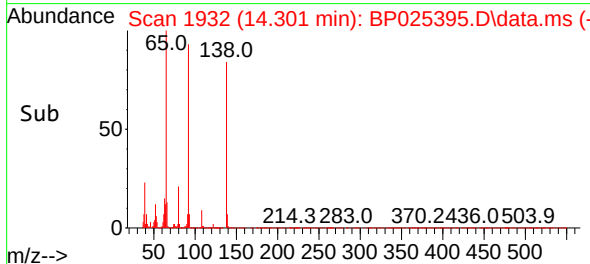
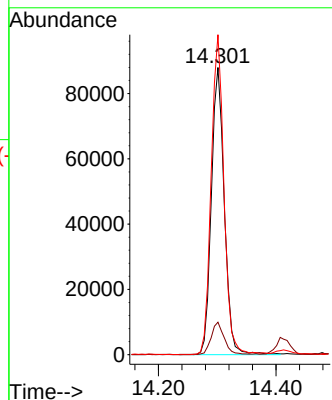
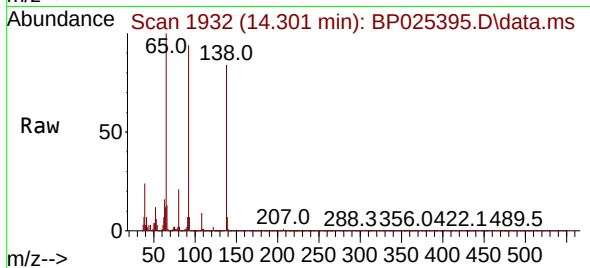




#53
3-Nitroaniline
Concen: 19.410 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

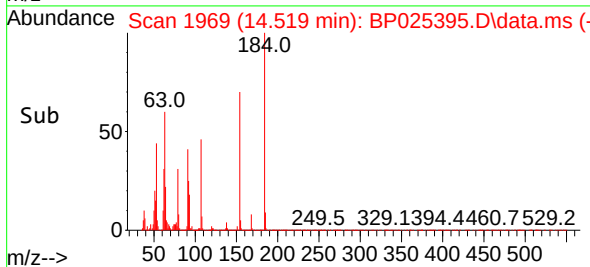
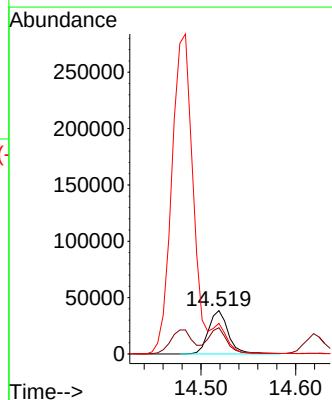
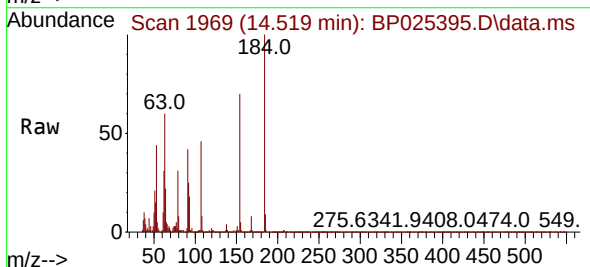
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

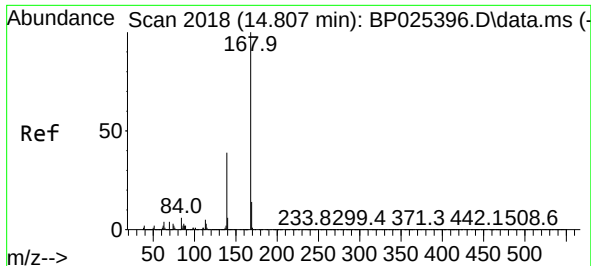
Tgt Ion:138 Resp: 134502
Ion Ratio Lower Upper
138 100
108 11.3 8.3 12.5
92 111.4 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 16.939 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:184 Resp: 55713
Ion Ratio Lower Upper
184 100
63 60.4 49.4 74.2
154 70.4 54.6 82.0

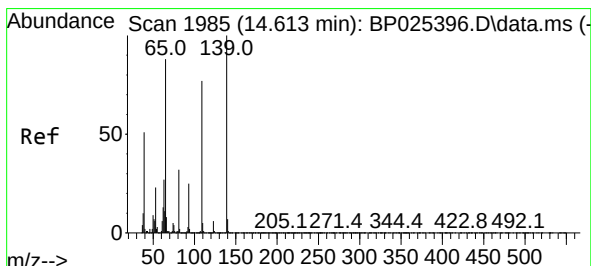
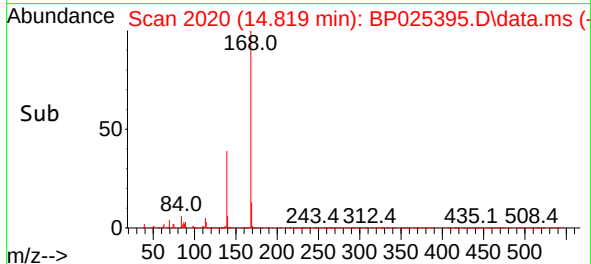
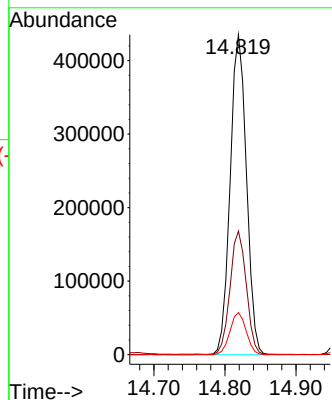
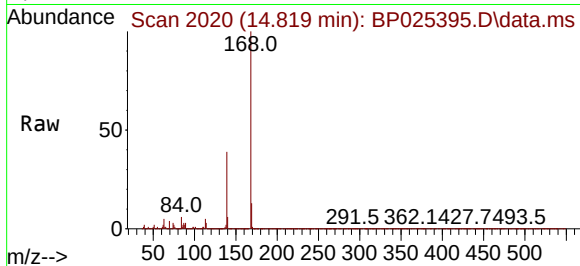




#55
Dibenzofuran
Concen: 20.002 ng
RT: 14.819 min Scan# 20
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

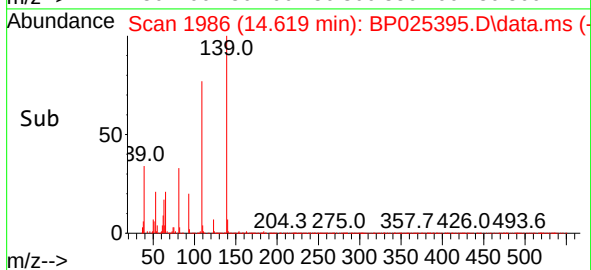
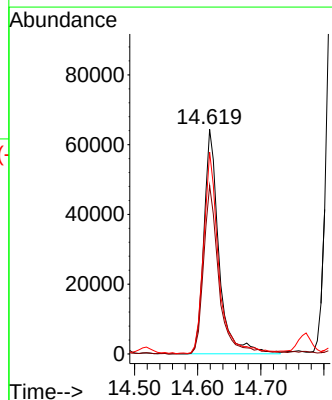
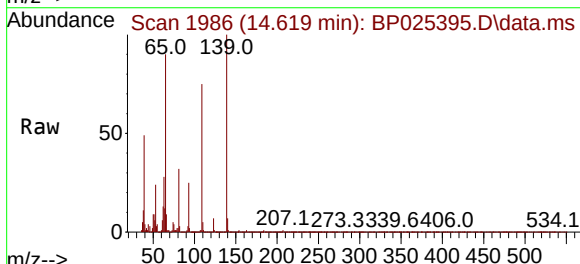
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

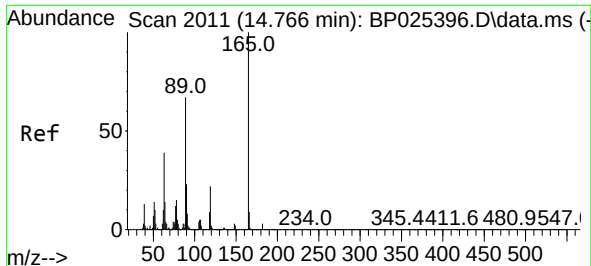
Tgt Ion:168 Resp: 692966
Ion Ratio Lower Upper
168 100
139 38.6 31.5 47.3
169 13.1 10.9 16.3



#56
4-Nitrophenol
Concen: 18.578 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:139 Resp: 105787
Ion Ratio Lower Upper
139 100
109 75.0 56.6 96.6
65 89.8 68.2 108.2

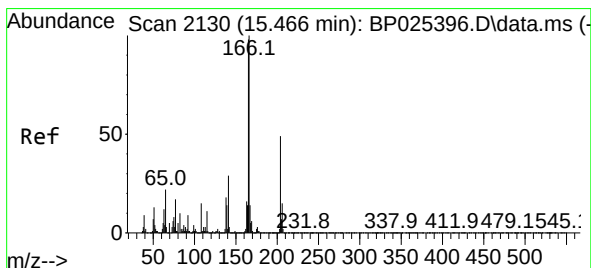
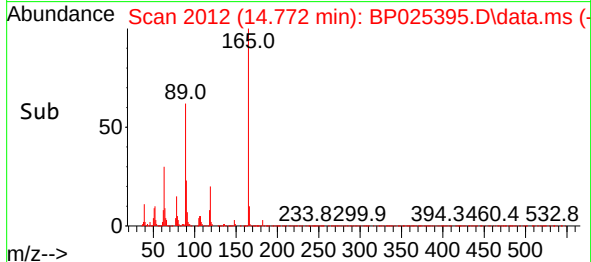
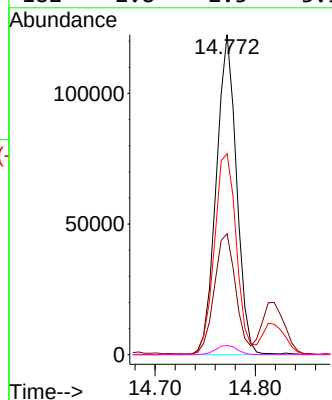
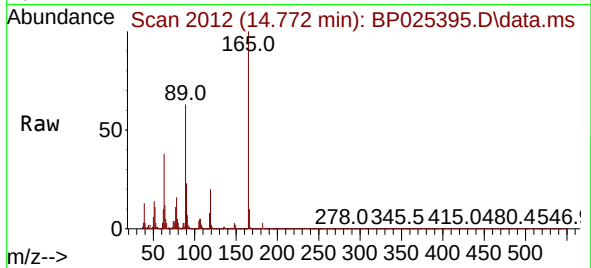




#57
2,4-Dinitrotoluene
Concen: 19.576 ng
RT: 14.772 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

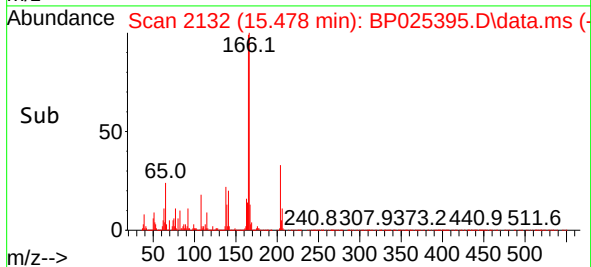
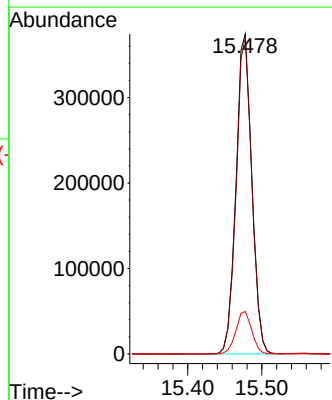
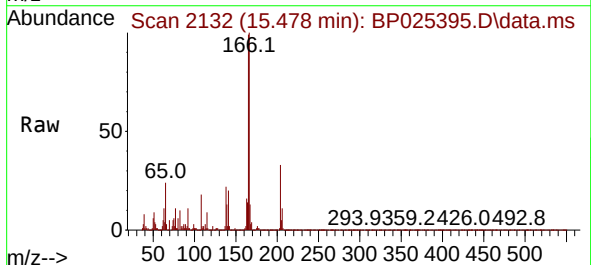
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

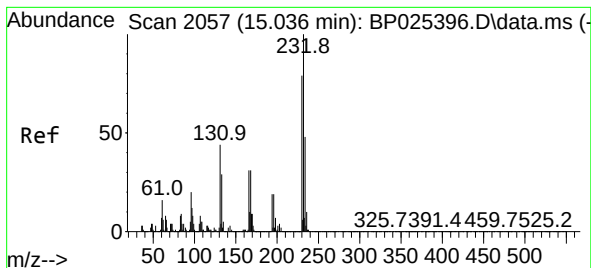
Tgt Ion:165 Resp: 172020
Ion Ratio Lower Upper
165 100
63 37.8 31.4 47.2
89 62.8 53.3 79.9
182 2.8 2.3 3.5



#58
Fluorene
Concen: 20.289 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:166 Resp: 554647
Ion Ratio Lower Upper
166 100
165 98.8 78.8 118.2
167 13.3 11.0 16.4

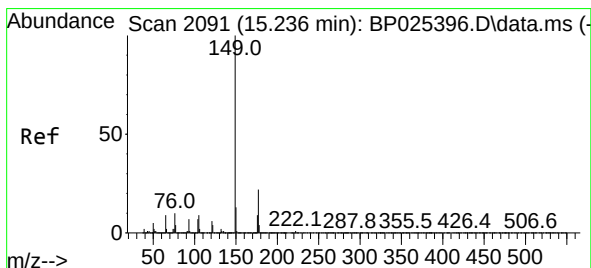
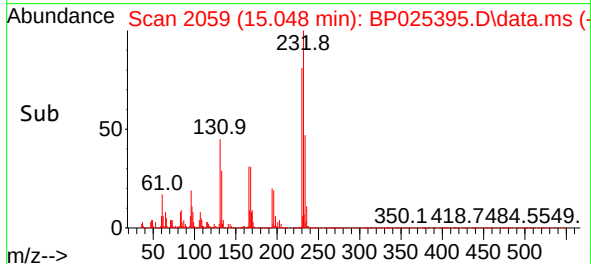
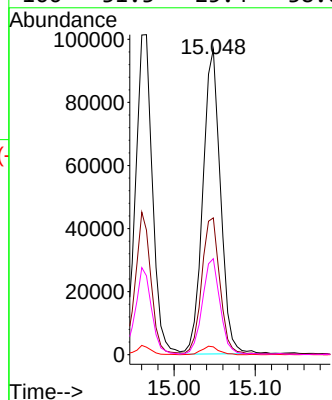
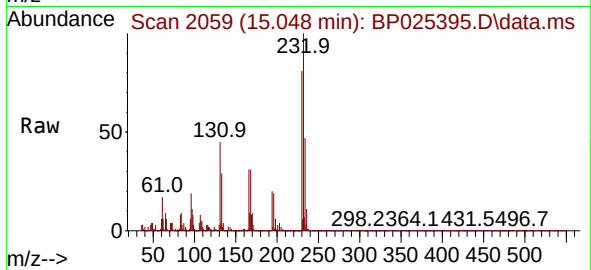




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.381 ng
RT: 15.048 min Scan# 2059
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

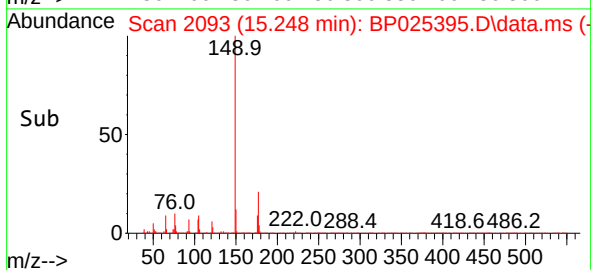
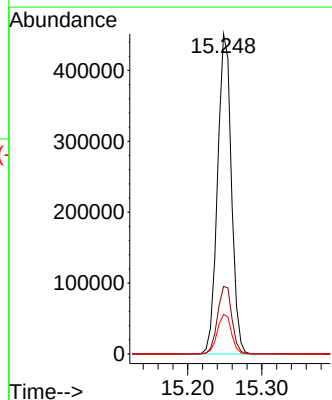
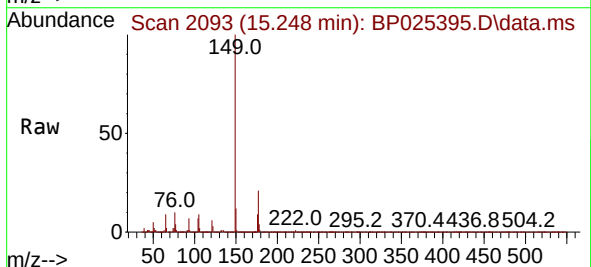
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

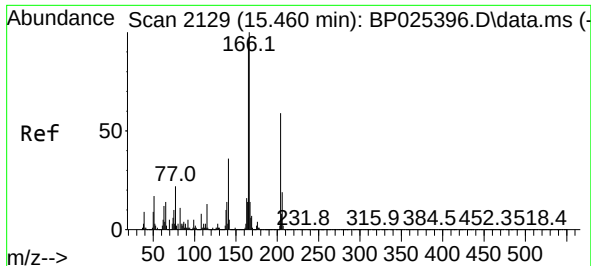
Tgt Ion:232 Resp: 145926
Ion Ratio Lower Upper
232 100
131 45.5 37.0 55.6
130 2.7 1.9 2.9
166 31.3 25.4 38.0



#60
Diethylphthalate
Concen: 19.689 ng
RT: 15.248 min Scan# 2093
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 584590
Ion Ratio Lower Upper
149 100
177 21.1 17.3 25.9
150 12.4 10.3 15.5

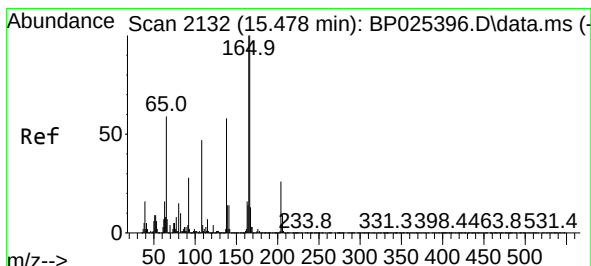
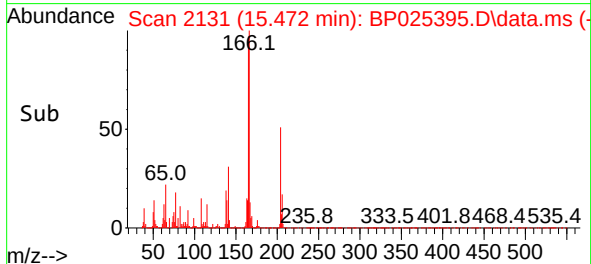
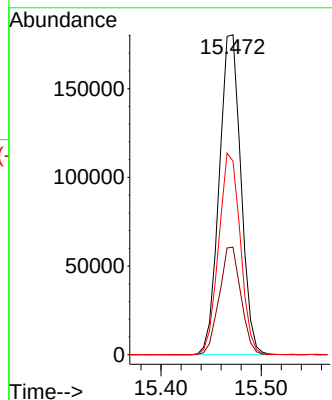
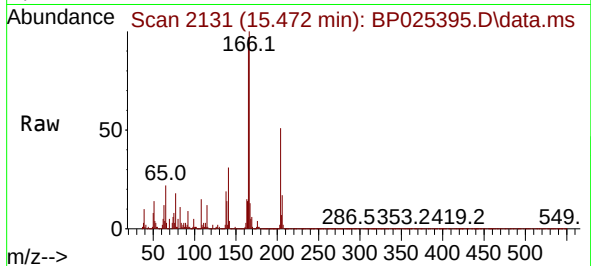




#61
4-Chlorophenyl-phenylether
Concen: 19.929 ng
RT: 15.472 min Scan# 2129
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

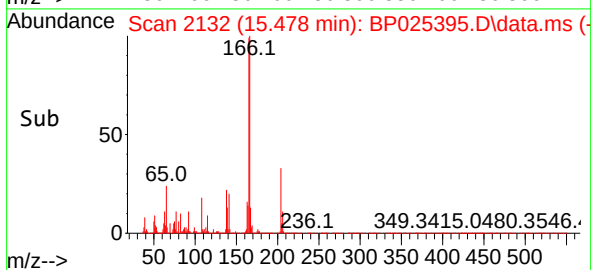
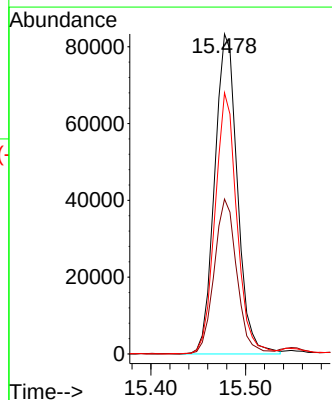
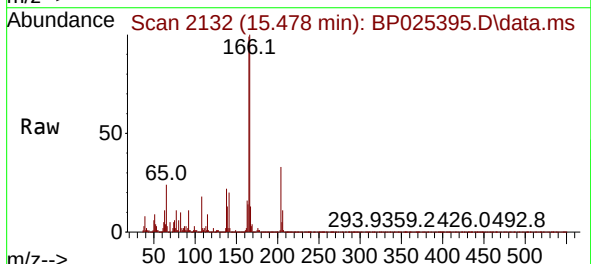
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

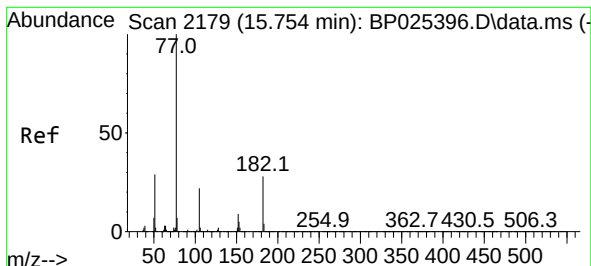
Tgt Ion:204 Resp: 270949
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 60.5 49.4 74.2



#62
4-Nitroaniline
Concen: 19.595 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:138 Resp: 139202
Ion Ratio Lower Upper
138 100
92 48.4 29.1 69.1
108 81.6 61.5 101.5





#63

Azobenzene

Concen: 20.004 ng

RT: 15.766 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 508563

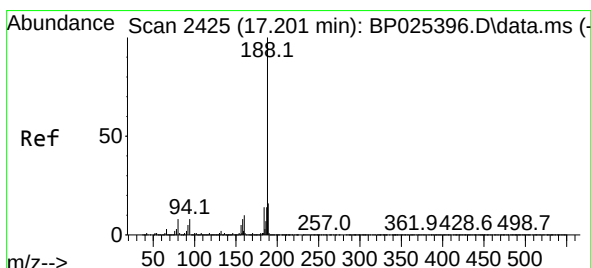
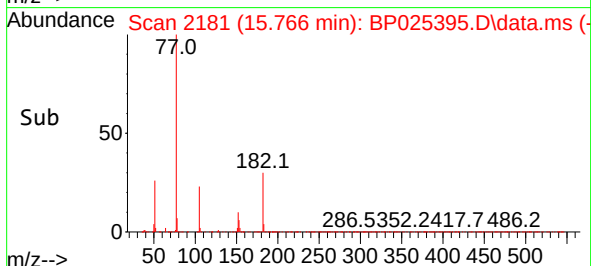
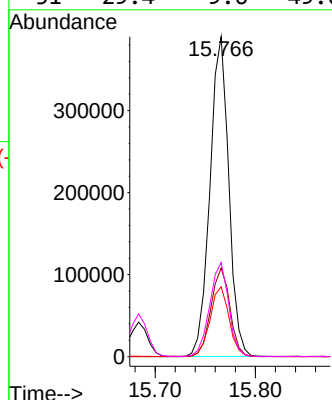
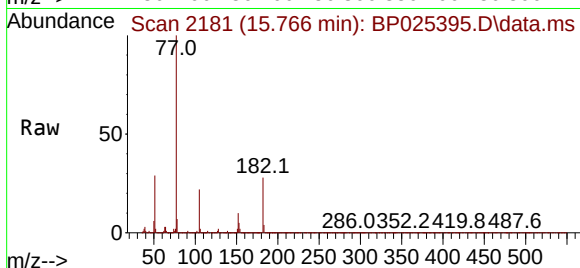
Ion Ratio Lower Upper

77 100

182 27.7 7.5 47.5

105 21.9 2.1 42.1

51 29.4 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.213 min Scan# 2427

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

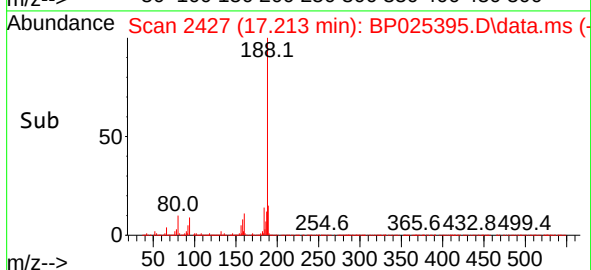
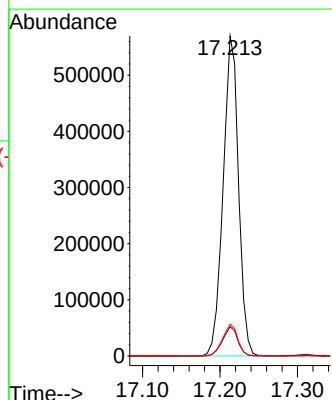
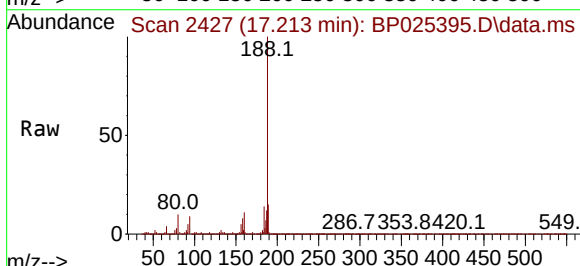
Tgt Ion: 188 Resp: 785736

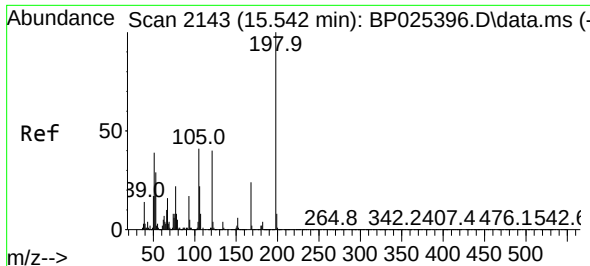
Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.9 6.7 10.1

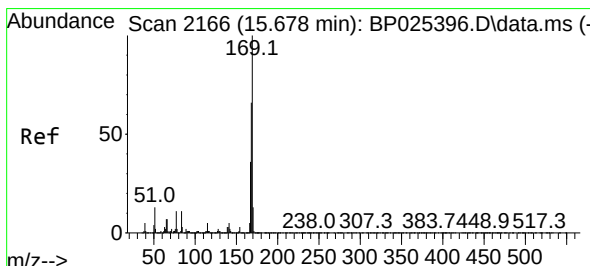
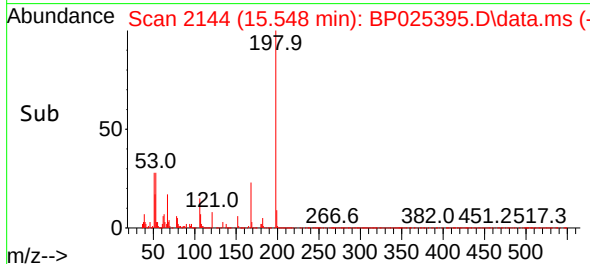
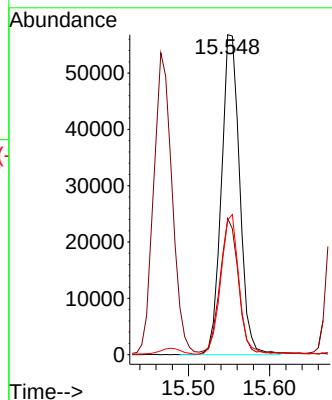
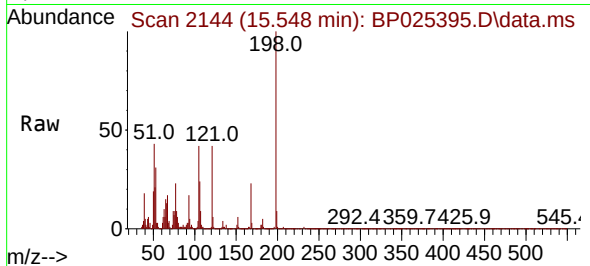




#65
4,6-Dinitro-2-methylphenol
Concen: 18.169 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

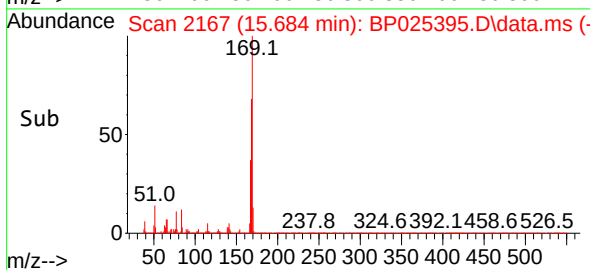
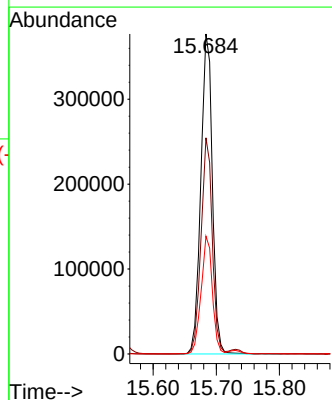
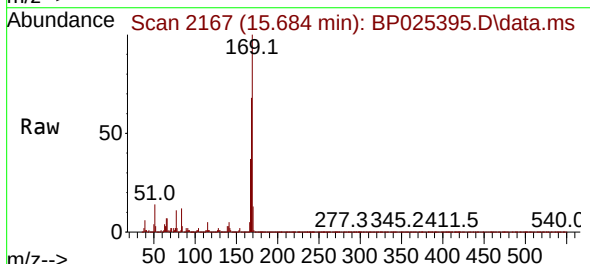
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

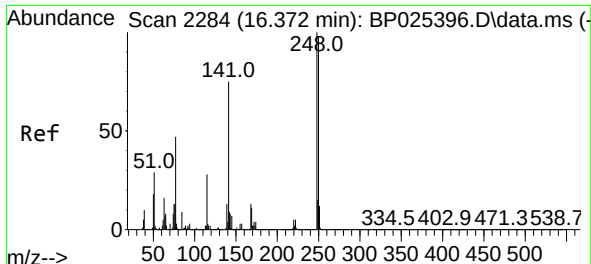
Tgt Ion	Ratio	Lower	Upper
198	100		
51	42.6	19.6	59.6
105	42.2	20.9	60.9



#66
n-Nitrosodiphenylamine
Concen: 19.911 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.2	79.8
167	36.8	28.7	43.1

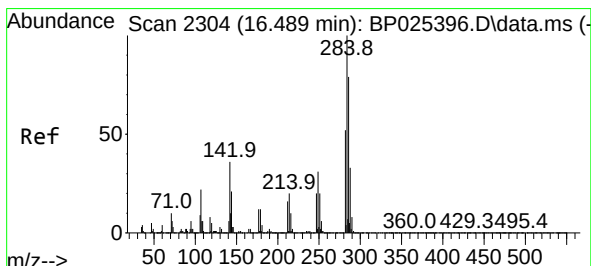
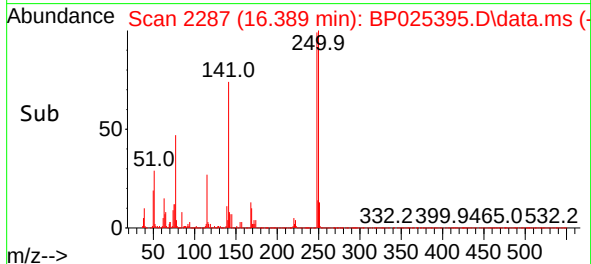
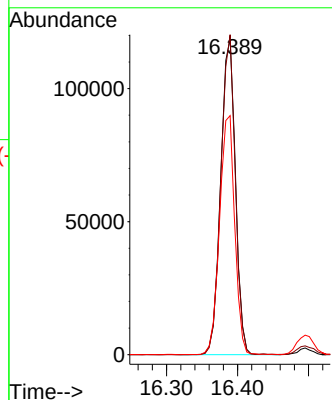
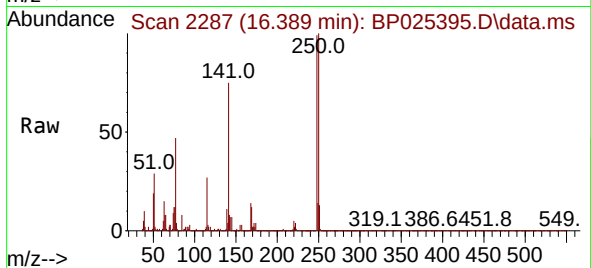




#67
4-Bromophenyl-phenylether
Concen: 19.758 ng
RT: 16.389 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

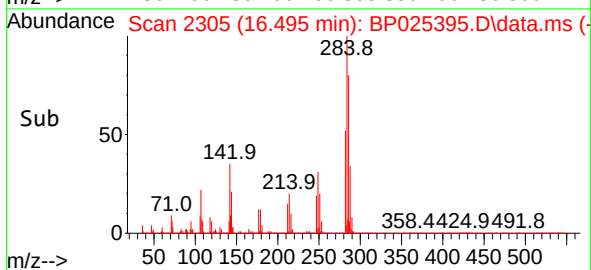
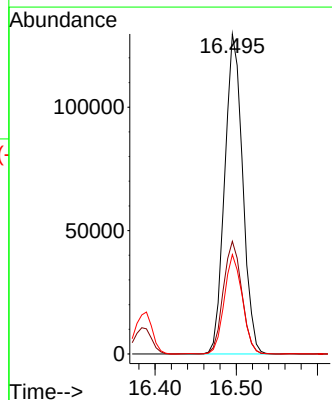
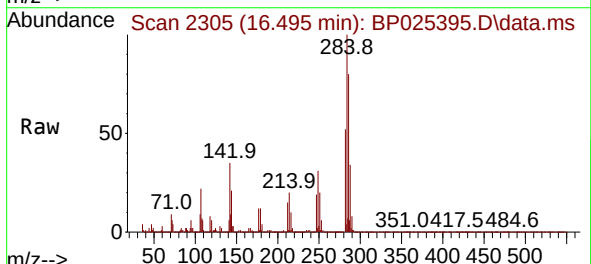
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

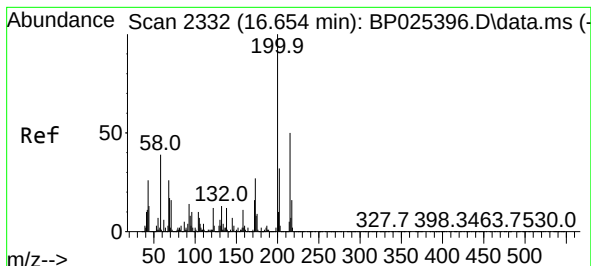
Tgt Ion:248 Resp: 170738
Ion Ratio Lower Upper
248 100
250 101.4 78.2 117.2
141 75.7 59.6 89.4



#68
Hexachlorobenzene
Concen: 19.906 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:284 Resp: 199410
Ion Ratio Lower Upper
284 100
142 35.2 29.1 43.7
249 31.0 25.0 37.4





#69

Atrazine

Concen: 20.006 ng

RT: 16.666 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

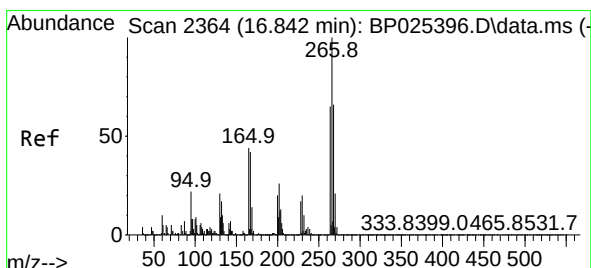
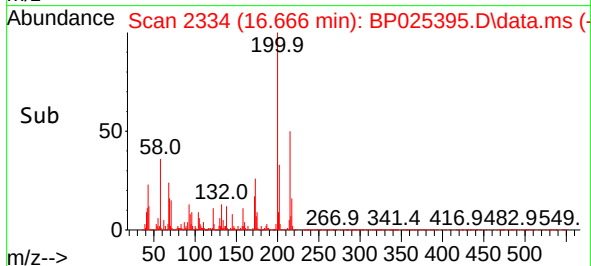
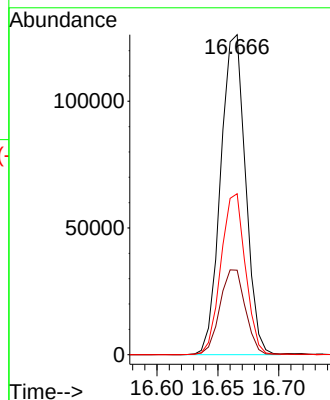
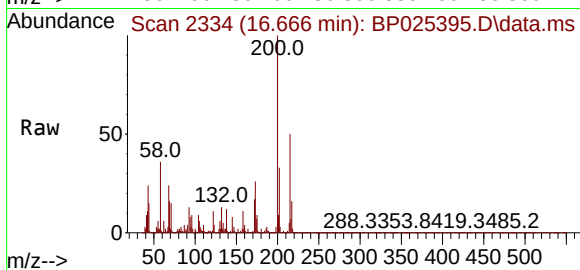
Tgt Ion:200 Resp: 179513

Ion Ratio Lower Upper

200 100

173 26.4 6.7 46.7

215 50.3 29.7 69.7



#70

Pentachlorophenol

Concen: 19.128 ng

RT: 16.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

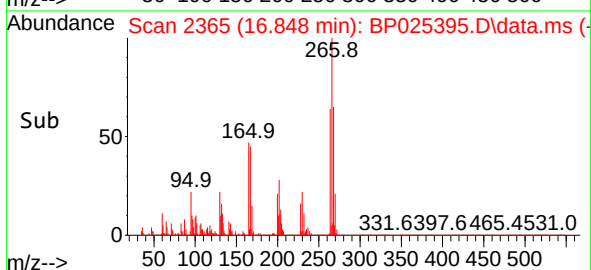
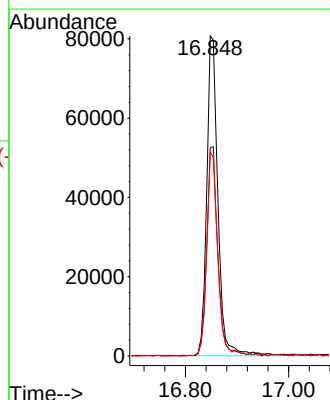
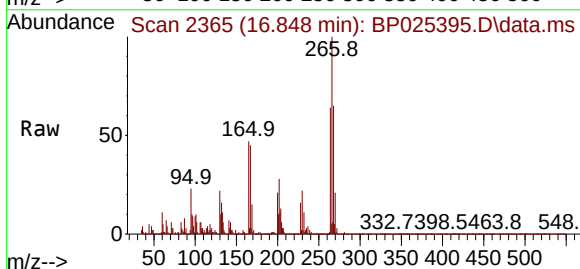
Tgt Ion:266 Resp: 120958

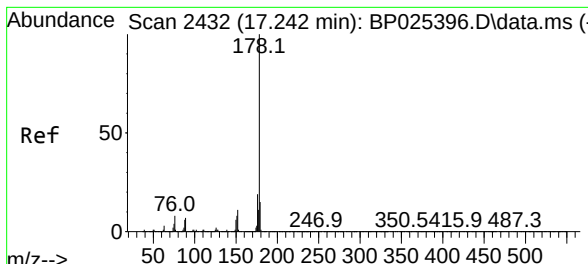
Ion Ratio Lower Upper

266 100

268 65.1 52.6 79.0

264 63.6 52.0 78.0



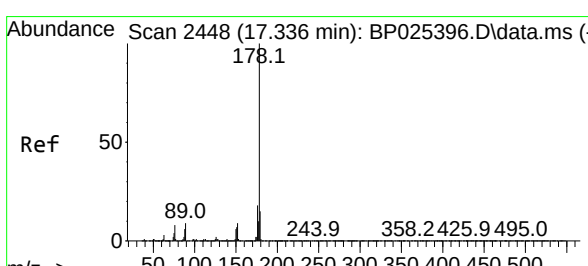
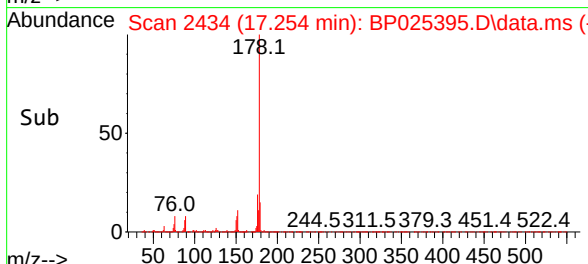
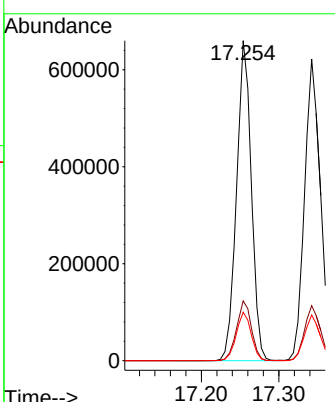
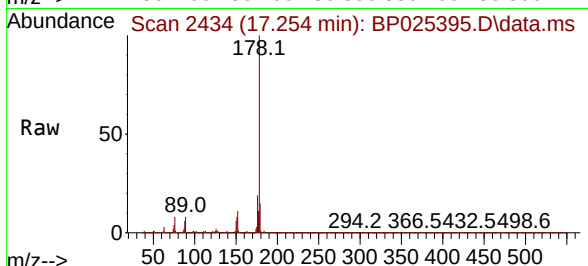


#71
 Phenanthrene
 Concen: 20.223 ng
 RT: 17.254 min Scan# 2432
 Delta R.T. 0.012 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Tgt Ion:178 Resp: 872890

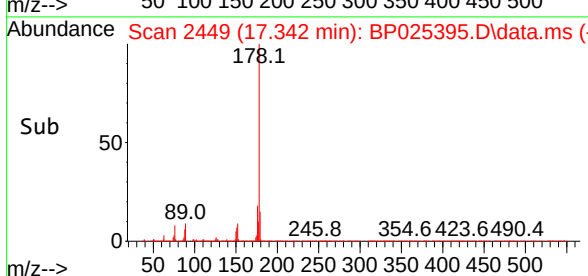
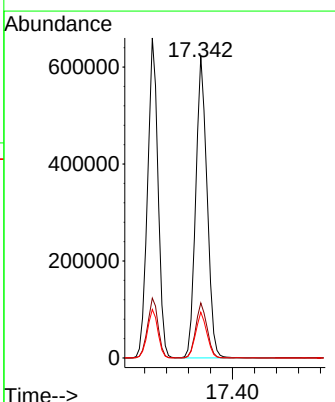
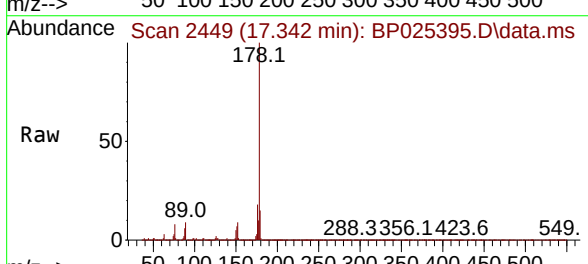
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.2	12.2	18.4

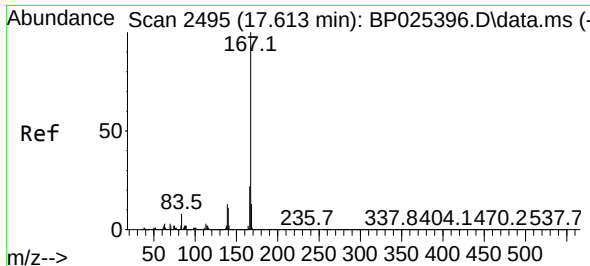


#72
 Anthracene
 Concen: 20.198 ng
 RT: 17.342 min Scan# 2449
 Delta R.T. 0.006 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

Tgt Ion:178 Resp: 890292

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.2	12.2	18.2

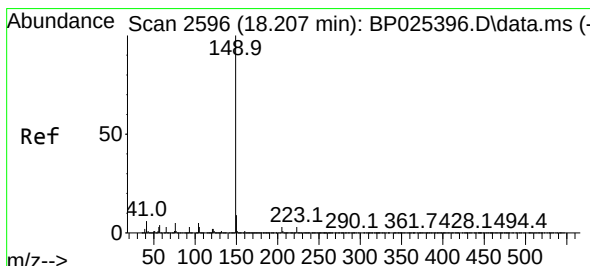
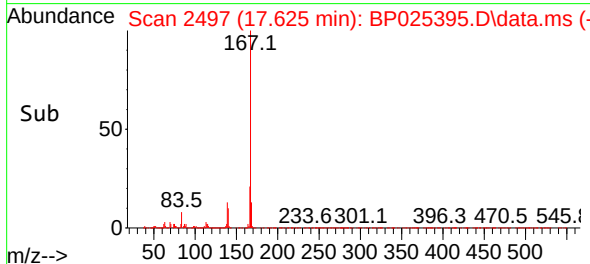
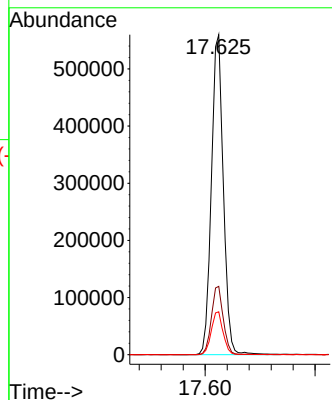
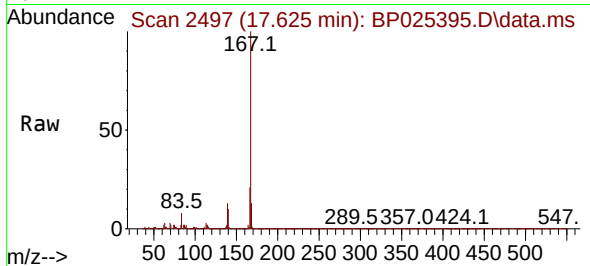




#73
 Carbazole
 Concen: 20.328 ng
 RT: 17.625 min Scan# 2495
 Delta R.T. 0.012 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

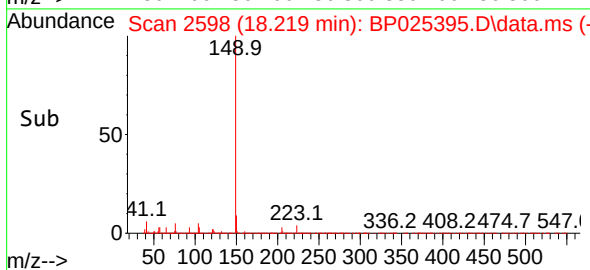
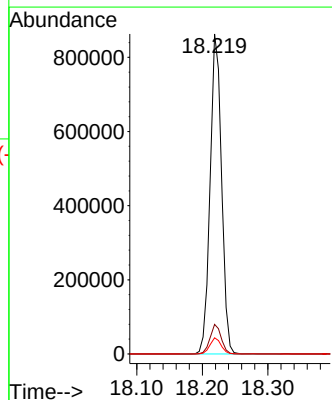
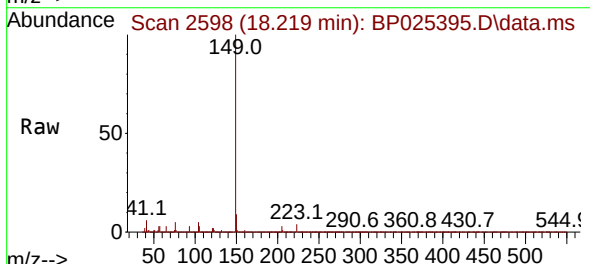
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

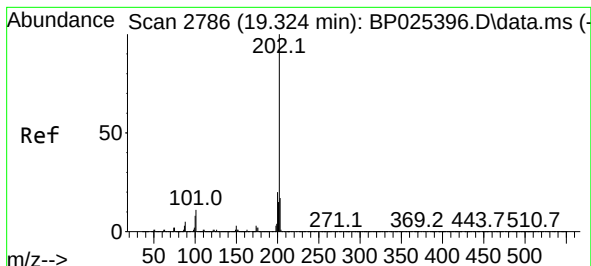
Tgt Ion:167 Resp: 843970
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.5 26.3
 139 13.4 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 20.491 ng
 RT: 18.219 min Scan# 2598
 Delta R.T. 0.012 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 1046709
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.1 4.2 6.2





#75

Fluoranthene

Concen: 20.567 ng

RT: 19.342 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

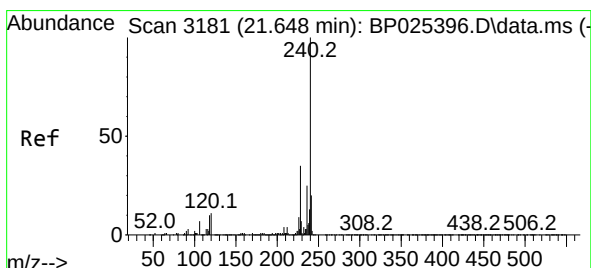
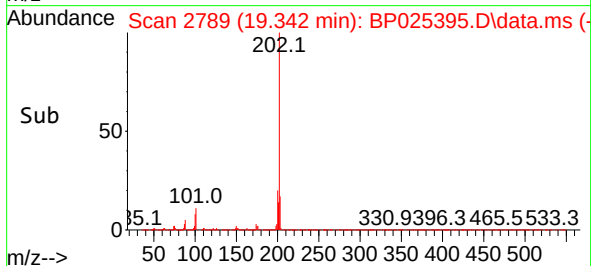
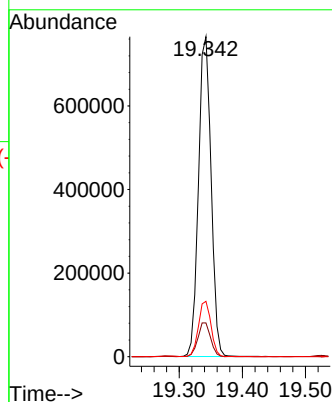
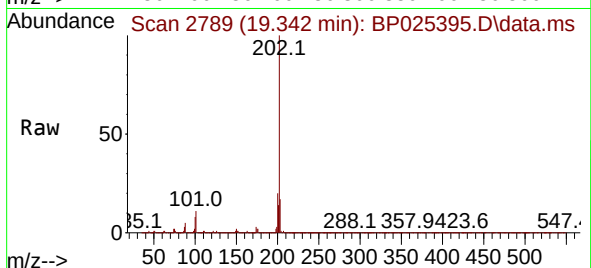
Tgt Ion:202 Resp: 1058912

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.1

203 17.3 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.654 min Scan# 3182

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

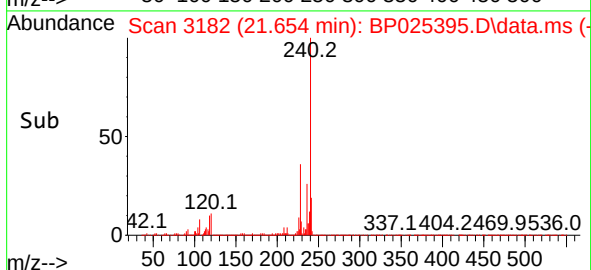
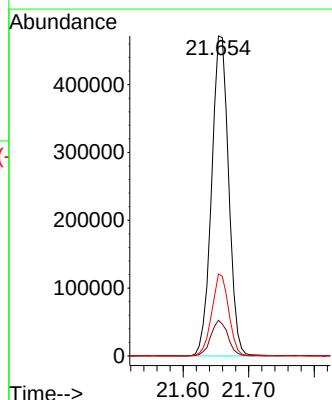
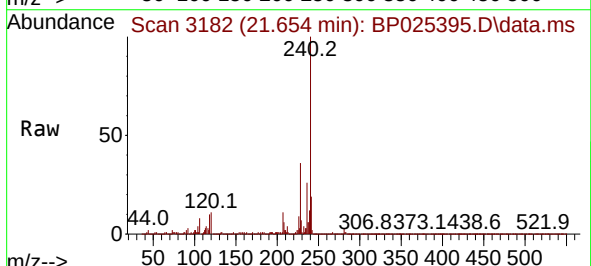
Tgt Ion:240 Resp: 852065

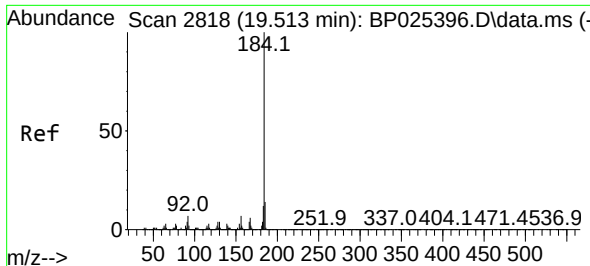
Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

236 25.6 19.8 29.8

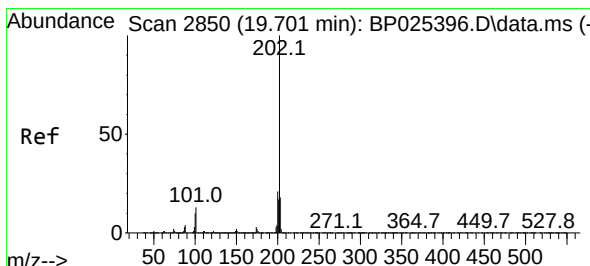
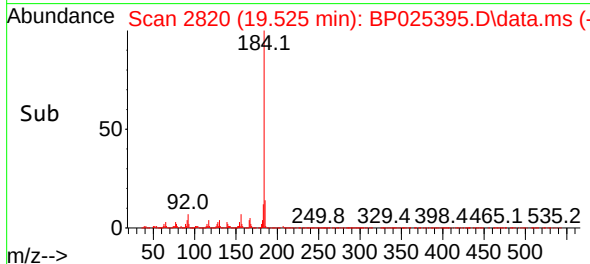
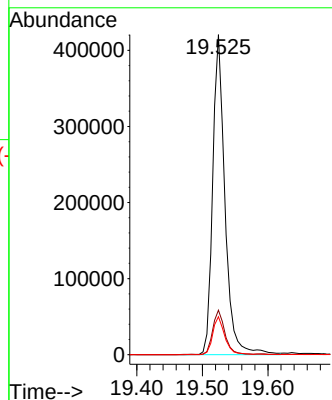
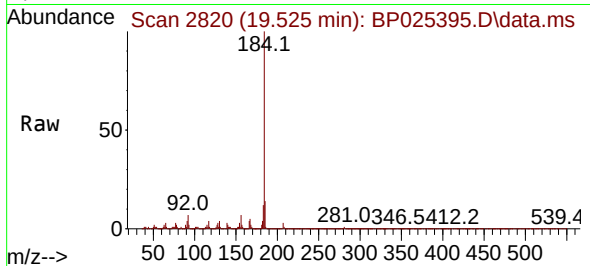




#77
Benzidine
Concen: 18.799 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

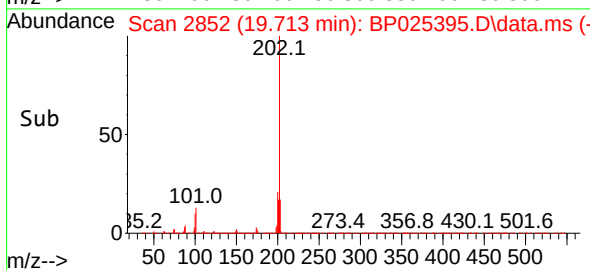
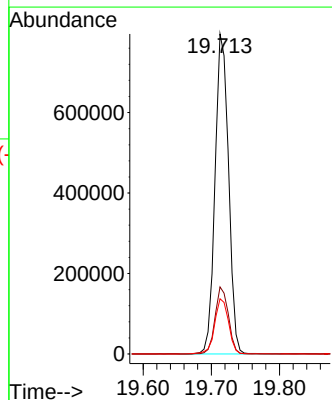
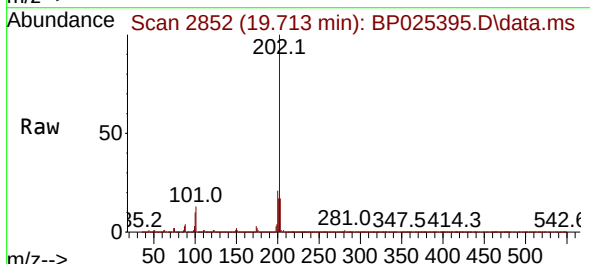
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

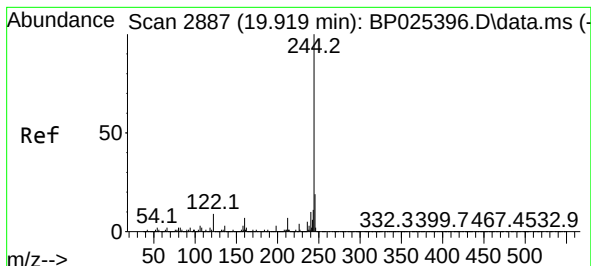
Tgt Ion:184 Resp: 546647
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 11.9 9.4 14.2



#78
Pyrene
Concen: 19.807 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:202 Resp: 1096965
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 40.152 ng

RT: 19.930 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

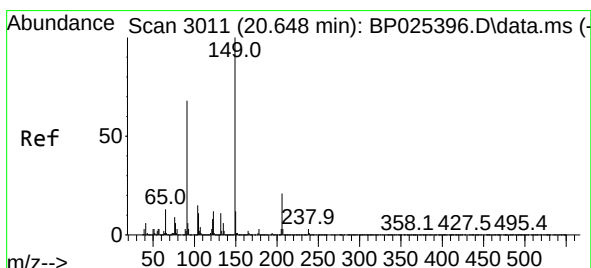
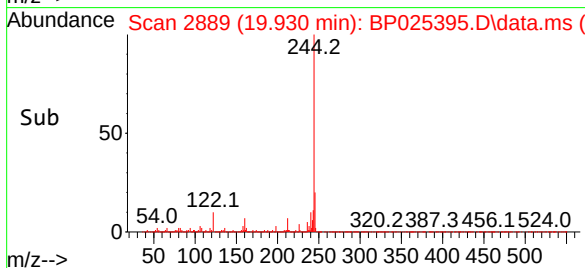
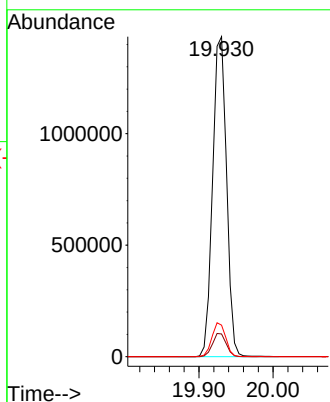
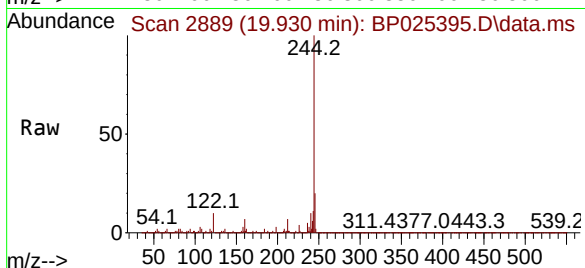
Tgt Ion:244 Resp: 1869951

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.9 7.4 11.2



#80

Butylbenzylphthalate

Concen: 20.081 ng

RT: 20.666 min Scan# 3014

Delta R.T. 0.018 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

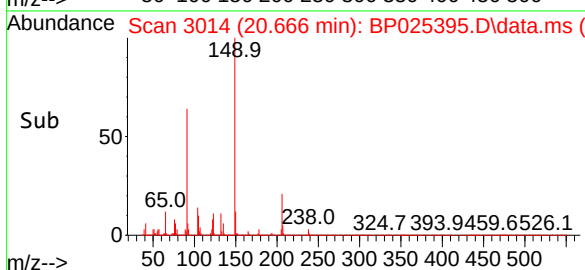
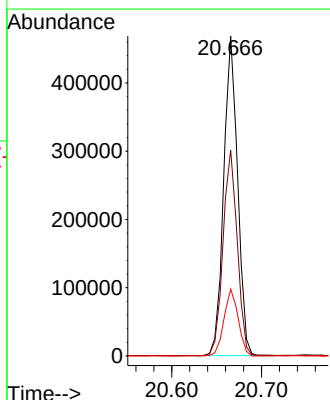
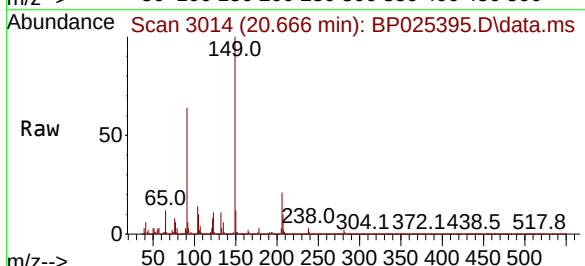
Tgt Ion:149 Resp: 504019

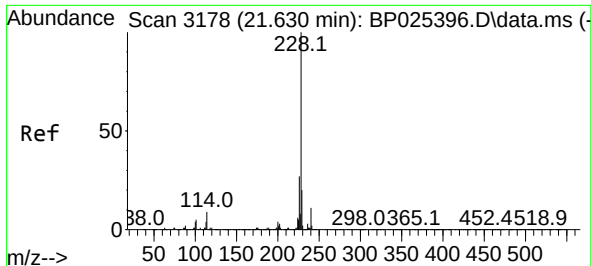
Ion Ratio Lower Upper

149 100

91 64.4 54.2 81.2

206 20.9 16.6 24.8

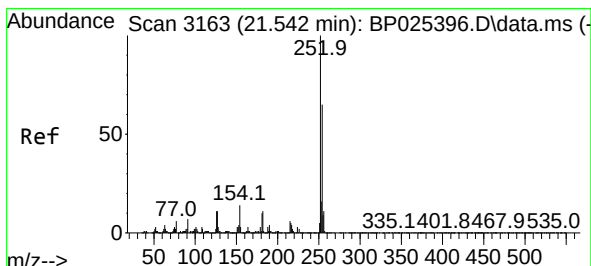
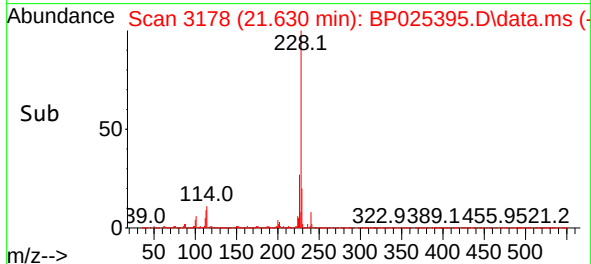
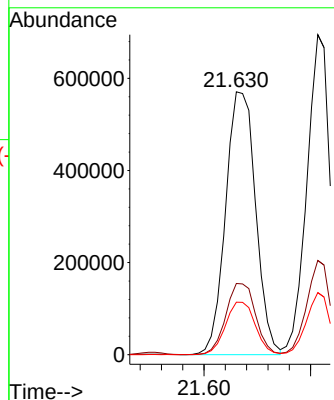
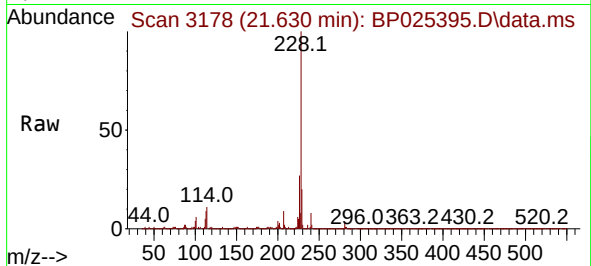




#81
Benzo(a)anthracene
Concen: 19.906 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

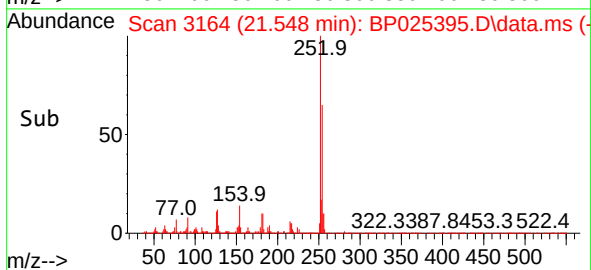
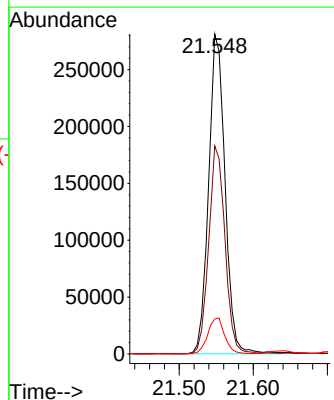
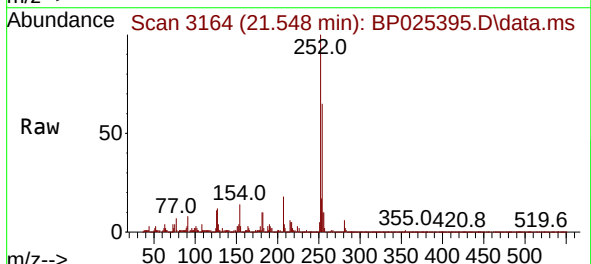
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

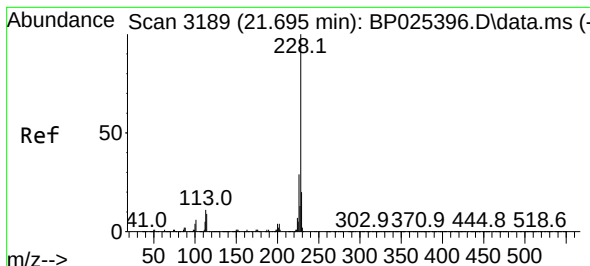
Tgt Ion:228 Resp: 1118590
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.9 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 20.399 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 432075
Ion Ratio Lower Upper
252 100
254 65.0 51.8 77.6
126 10.9 9.1 13.7





#83

Chrysene

Concen: 20.216 ng

RT: 21.707 min Scan# 3119

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

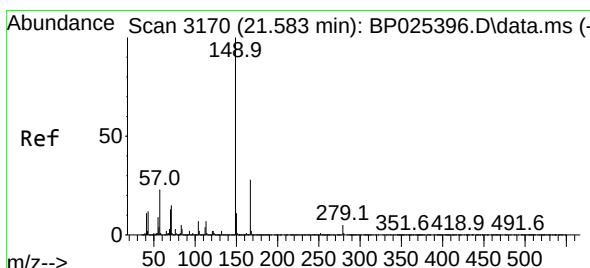
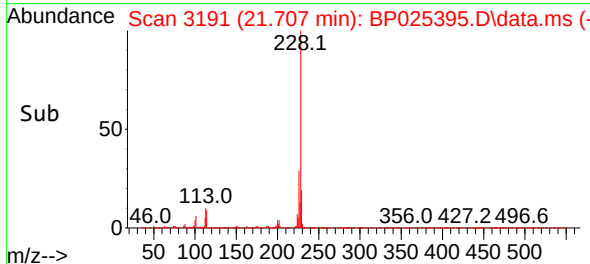
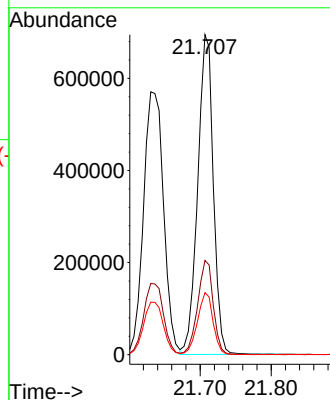
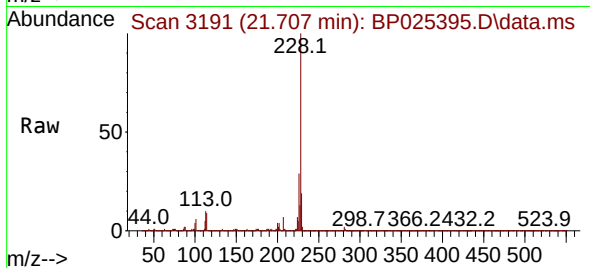
Tgt Ion:228 Resp: 1063898

Ion Ratio Lower Upper

228 100

226 29.4 23.2 34.8

229 19.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.155 ng

RT: 21.577 min Scan# 3169

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

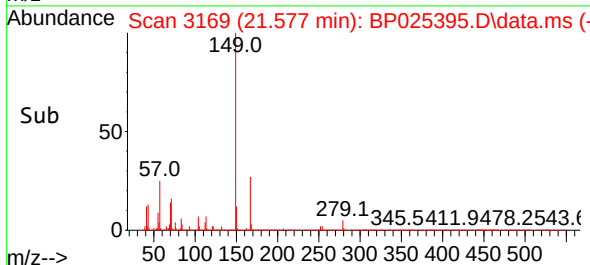
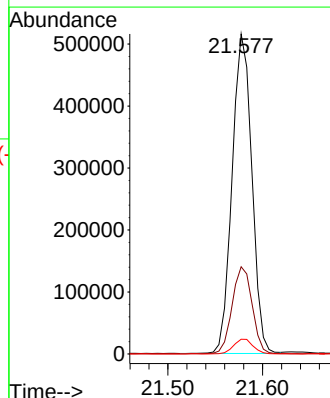
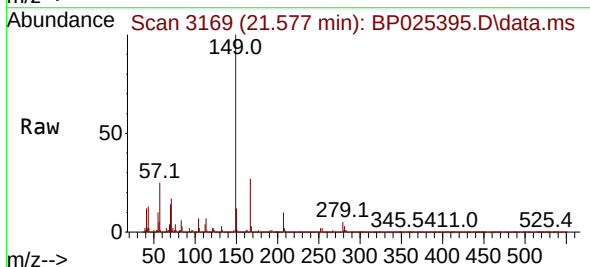
Tgt Ion:149 Resp: 744704

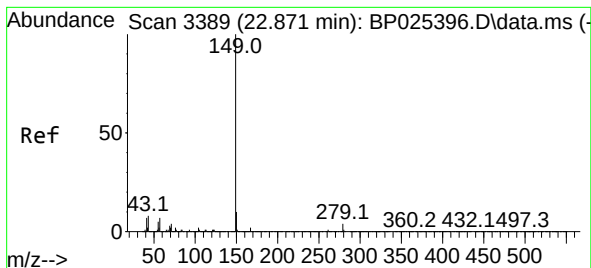
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

279 4.6 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 20.091 ng

RT: 22.871 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

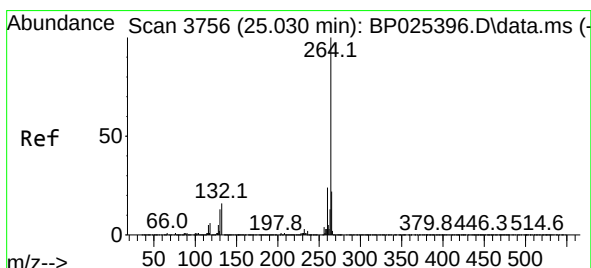
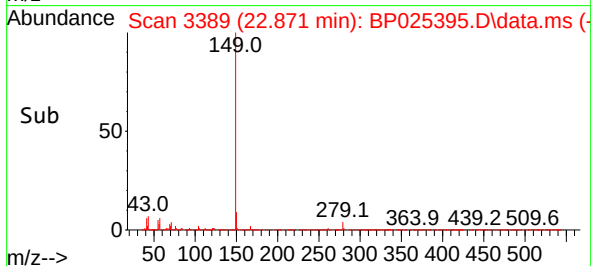
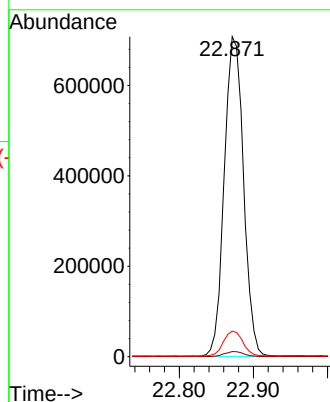
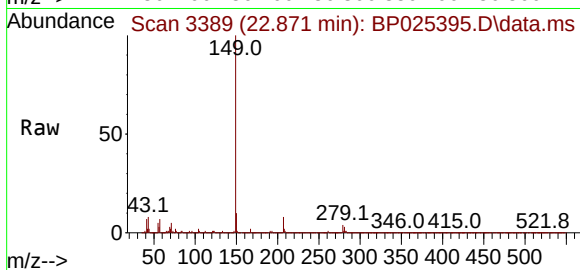
Tgt Ion:149 Resp: 1276798

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.9 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.036 min Scan# 3757

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

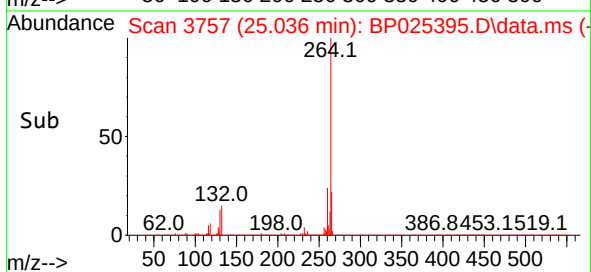
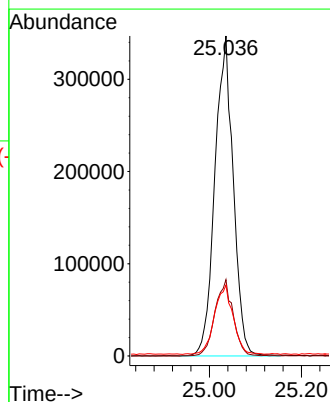
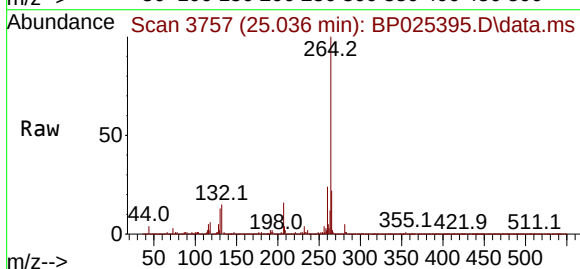
Tgt Ion:264 Resp: 958651

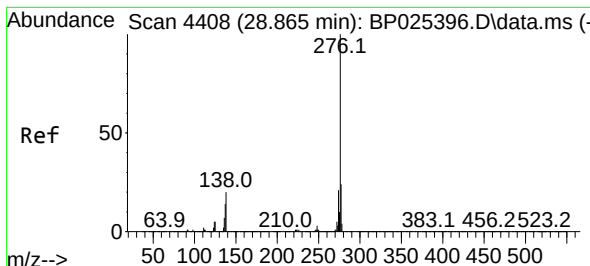
Ion Ratio Lower Upper

264 100

260 23.8 19.3 28.9

265 22.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.584 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

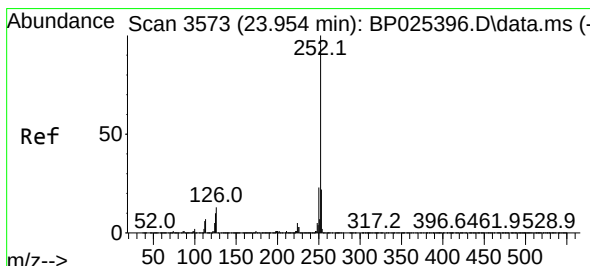
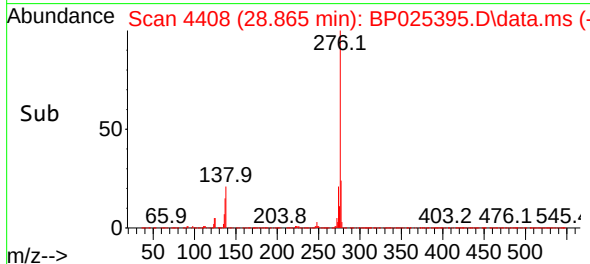
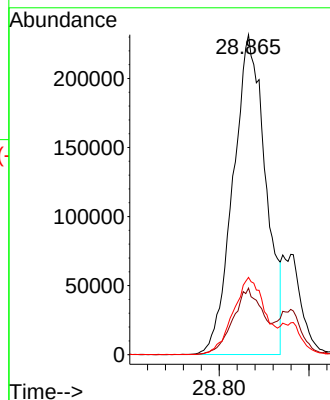
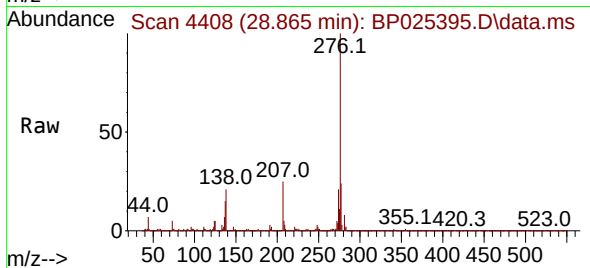
Tgt Ion:276 Resp: 1166289

Ion Ratio Lower Upper

276 100

138 19.2 12.9 19.3

277 23.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 19.855 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

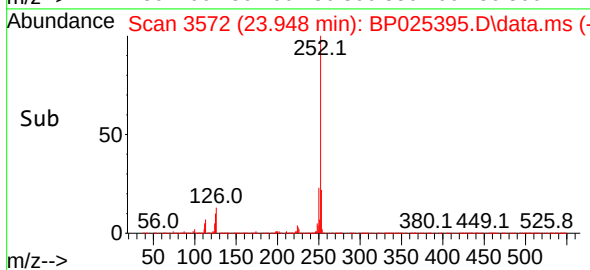
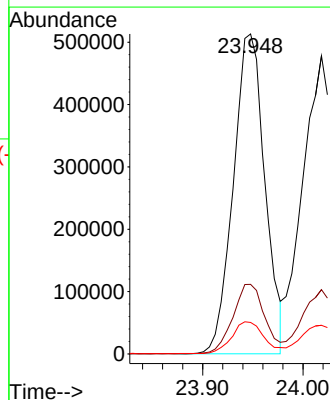
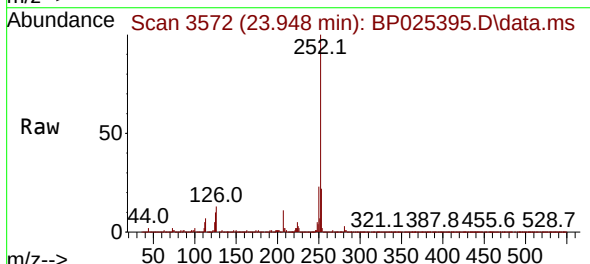
Tgt Ion:252 Resp: 1122408

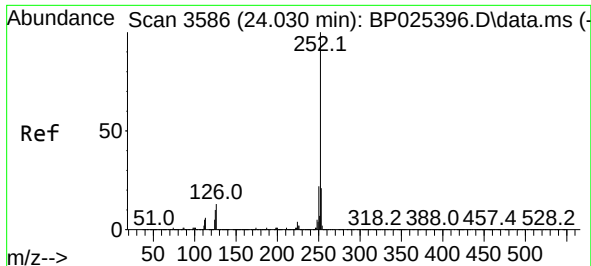
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 9.9 7.9 11.9

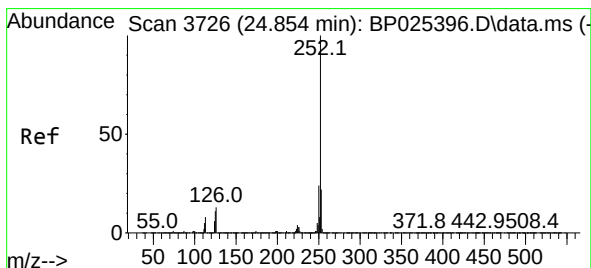
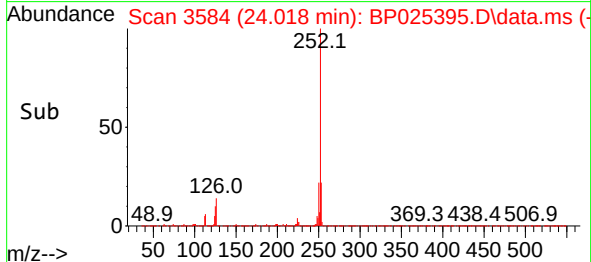
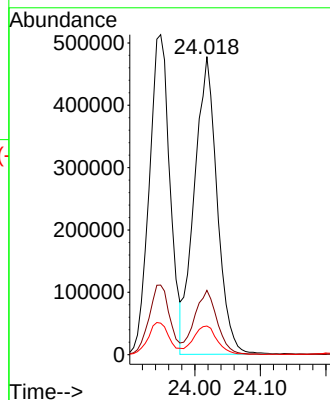
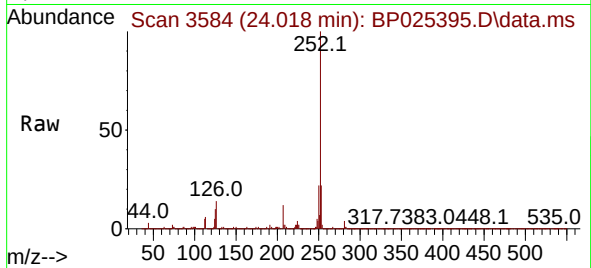




#89
Benzo(k)fluoranthene
Concen: 20.336 ng
RT: 24.018 min Scan# 3584
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

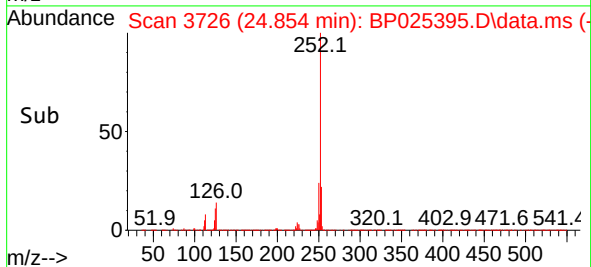
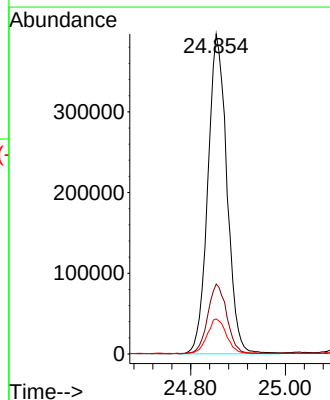
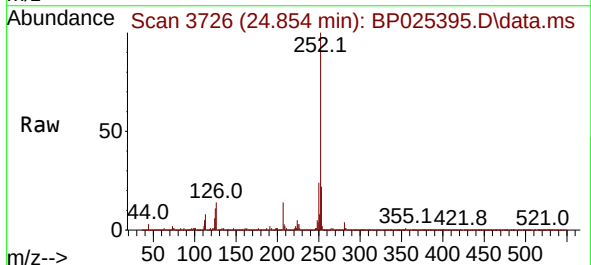
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

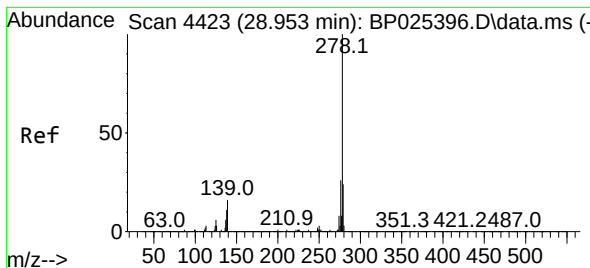
Tgt Ion:252 Resp: 1150366
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 9.6 7.8 11.6



#90
Benzo(a)pyrene
Concen: 20.041 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 1102804
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.9 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 19.672 ng

RT: 28.965 min Scan# 4425

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

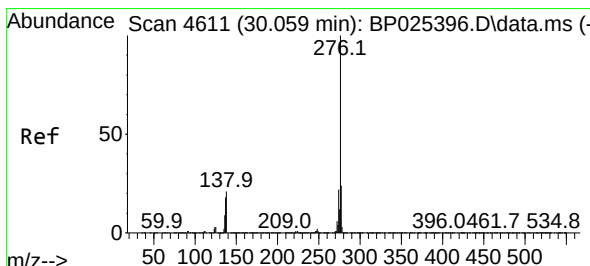
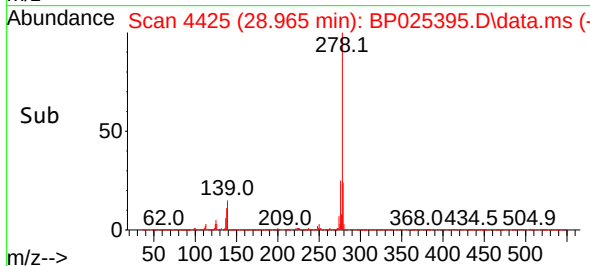
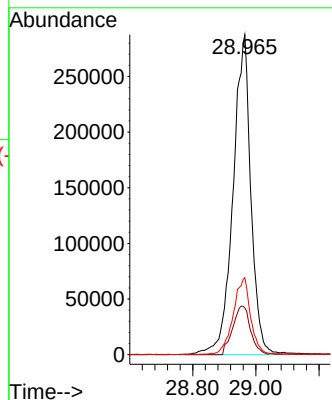
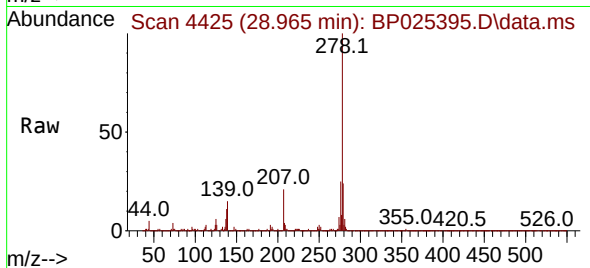
Tgt Ion:278 Resp: 1130209

Ion Ratio Lower Upper

278 100

139 14.6 13.0 19.4

279 24.1 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 19.840 ng

RT: 30.053 min Scan# 4610

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

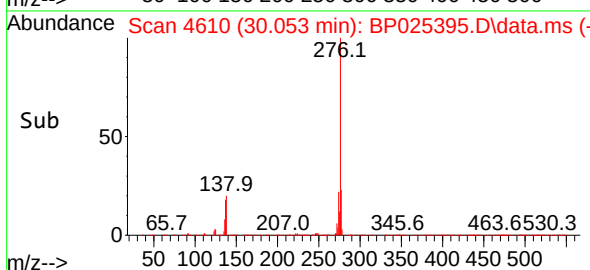
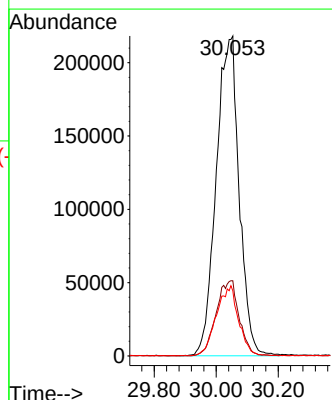
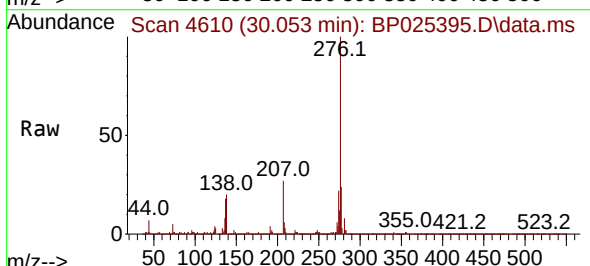
Tgt Ion:276 Resp: 1120307

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 20.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	157704	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	663553	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	441110	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	884529	20.000	ng	0.00
76) Chrysene-d12	21.648	240	899207	20.000	ng	0.00
86) Perylene-d12	25.030	264	1022138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	733191	77.209	ng	0.00
7) Phenol-d6	6.966	99	954285	78.381	ng	0.00
23) Nitrobenzene-d5	8.937	82	1015557	77.420	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	463783	78.112	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2456787	76.118	ng	0.00
79) Terphenyl-d14	19.919	244	3760236	76.508	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.337	88	140326	37.726	ng	100
3) Pyridine	3.731	79	384936	37.809	ng	100
4) n-Nitrosodimethylamine	3.637	42	161267	38.421	ng	100
6) Aniline	7.125	93	637156	38.842	ng	100
8) 2-Chlorophenol	7.366	128	414233	38.655	ng	100
9) Benzaldehyde	6.943	77	430704	50.493	ng	100
10) Phenol	6.996	94	496755	38.884	ng	100
11) bis(2-Chloroethyl)ether	7.219	93	385335	38.698	ng	100
12) 1,3-Dichlorobenzene	7.684	146	455200	38.523	ng	100
13) 1,4-Dichlorobenzene	7.831	146	462800	38.319	ng	100
14) 1,2-Dichlorobenzene	8.143	146	451306	38.602	ng	100
15) Benzyl Alcohol	8.025	79	376323	38.901	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.313	45	510991	38.308	ng	100
17) 2-Methylphenol	8.225	107	349313	39.369	ng	100
18) Hexachloroethane	8.866	117	171906	38.712	ng	100
19) n-Nitroso-di-n-propyla...	8.590	70	312773	38.737	ng	100
20) 3+4-Methylphenols	8.549	107	481148	39.121	ng	100
22) Acetophenone	8.601	105	644124	38.708	ng	100
24) Nitrobenzene	8.972	77	457175	38.997	ng	100
25) Isophorone	9.501	82	893987	38.510	ng	100
26) 2-Nitrophenol	9.678	139	239675	39.837	ng	100
27) 2,4-Dimethylphenol	9.743	122	408572	39.489	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	540282	38.502	ng	100
29) 2,4-Dichlorophenol	10.213	162	405233	39.427	ng	100
30) 1,2,4-Trichlorobenzene	10.425	180	434105	38.529	ng	100
31) Naphthalene	10.613	128	1326839	38.472	ng	100
32) Benzoic acid	9.872	122	301281	39.537	ng	100
33) 4-Chloroaniline	10.713	127	599466	39.350	ng	100
34) Hexachlorobutadiene	10.901	225	271549	38.700	ng	100
35) Caprolactam	11.495	113	145175	38.520	ng	100
36) 4-Chloro-3-methylphenol	11.837	107	459473	38.959	ng	100
37) 2-Methylnaphthalene	12.219	142	865427	38.559	ng	100
38) 1-Methylnaphthalene	12.437	142	909865	38.120	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	494141	38.787	ng	100
41) Hexachlorocyclopentadiene	12.572	237	307015	39.896	ng	100
43) 2,4,6-Trichlorophenol	12.825	196	337157	39.201	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

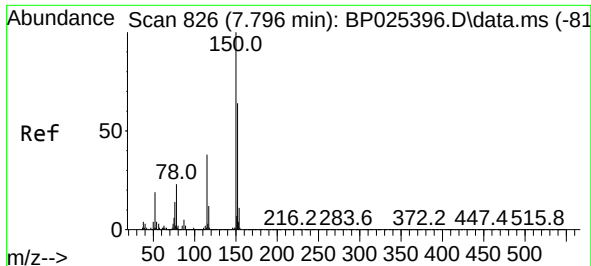
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	373880	39.664	ng	100
46) 1,1'-Biphenyl	13.231	154	1242247	38.777	ng	100
47) 2-Chloronaphthalene	13.272	162	970903	38.930	ng	100
48) 2-Nitroaniline	13.472	65	291341	40.092	ng	100
49) Acenaphthylene	14.125	152	1593636	38.617	ng	100
50) Dimethylphthalate	13.860	163	1237666	38.316	ng	100
51) 2,6-Dinitrotoluene	13.966	165	272750	40.061	ng	100
52) Acenaphthene	14.466	154	918569	37.921	ng	100
53) 3-Nitroaniline	14.301	138	301417	39.349	ng	100
54) 2,4-Dinitrophenol	14.507	184	144100	39.633	ng	100
55) Dibenzofuran	14.807	168	1479220	38.624	ng	100
56) 4-Nitrophenol	14.613	139	246542	39.168	ng	100
57) 2,4-Dinitrotoluene	14.766	165	386189	39.757	ng	100
58) Fluorene	15.466	166	1151825	38.115	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	324396	38.975	ng	100
60) Diethylphthalate	15.236	149	1264740	38.533	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	574546	38.228	ng	100
62) 4-Nitroaniline	15.478	138	309740	39.443	ng	100
63) Azobenzene	15.754	77	1091004	38.820	ng	100
65) 4,6-Dinitro-2-methylph...	15.542	198	217153	39.384	ng	100
66) n-Nitrosodiphenylamine	15.678	169	1045170	38.749	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	376864	38.739	ng	100
68) Hexachlorobenzene	16.489	284	428361	37.986	ng	100
69) Atrazine	16.654	200	386256	38.238	ng	100
70) Pentachlorophenol	16.842	266	278412	39.110	ng	100
71) Phenanthrene	17.242	178	1839191	37.851	ng	100
72) Anthracene	17.336	178	1908189	38.456	ng	100
73) Carbazole	17.613	167	1781890	38.125	ng	100
74) Di-n-butylphthalate	18.207	149	2201043	38.277	ng	100
75) Fluoranthene	19.324	202	2172758	37.488	ng	100
77) Benzidine	19.513	184	1738926	56.665	ng	100
78) Pyrene	19.701	202	2290461	39.189	ng	100
80) Butylbenzylphthalate	20.648	149	1041998	39.338	ng	100
81) Benzo(a)anthracene	21.630	228	2280774	38.460	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	877708	39.266	ng	100
83) Chrysene	21.695	228	2125866	38.278	ng	100
84) Bis(2-ethylhexyl)phtha...	21.583	149	1493804	38.310	ng	100
85) Di-n-octyl phthalate	22.871	149	2597558	38.730	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	2490737	33.216	ng	93
88) Benzo(b)fluoranthene	23.954	252	2318198	38.462	ng	100
89) Benzo(k)fluoranthene	24.030	252	2309091	38.285	ng	100
90) Benzo(a)pyrene	24.854	252	2265862	38.620	ng	100
91) Dibenzo(a,h)anthracene	28.953	278	2363840	38.589	ng	100
92) Benzo(g,h,i)perylene	30.059	276	2327292	38.654	ng	100

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

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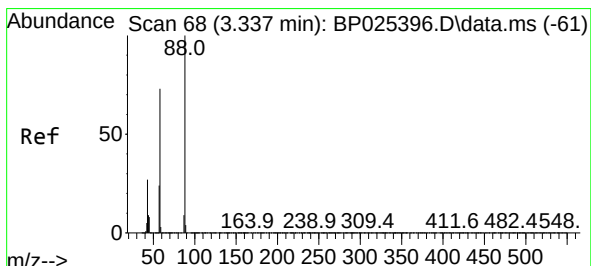
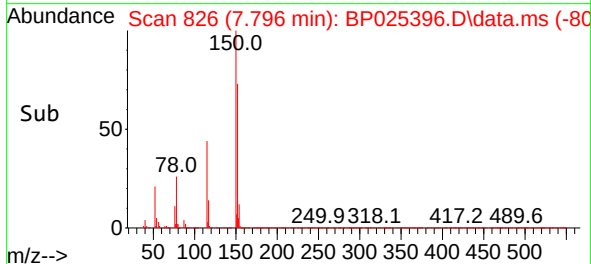
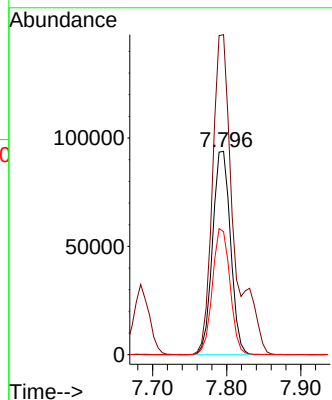
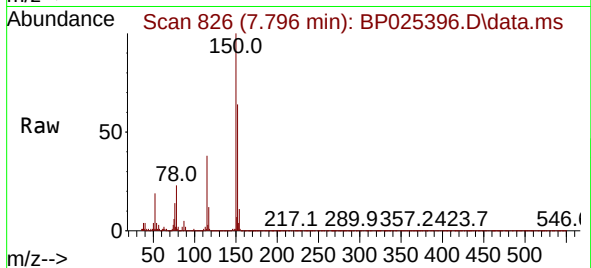




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

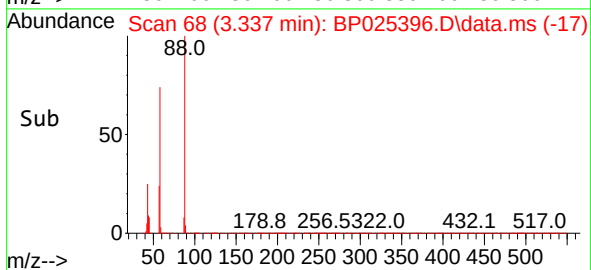
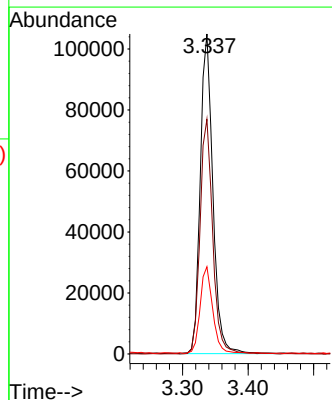
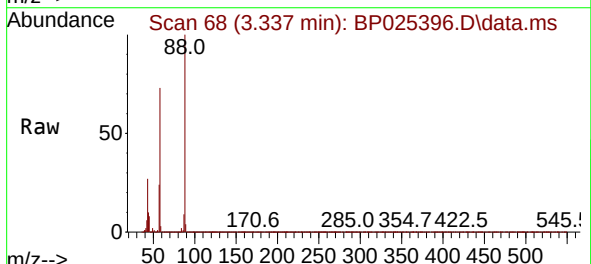
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

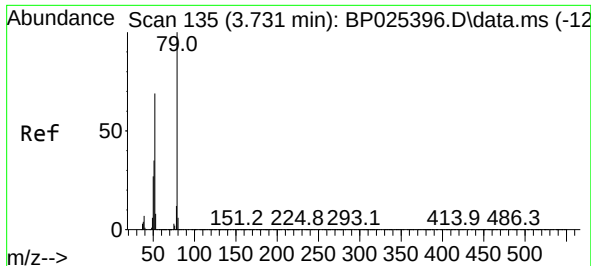
Tgt Ion:152 Resp: 157704
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 60.6 48.5 72.7



#2
1,4-Dioxane
Concen: 37.726 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 88 Resp: 140326
Ion Ratio Lower Upper
88 100
58 74.0 59.2 88.8
43 27.1 21.7 32.5

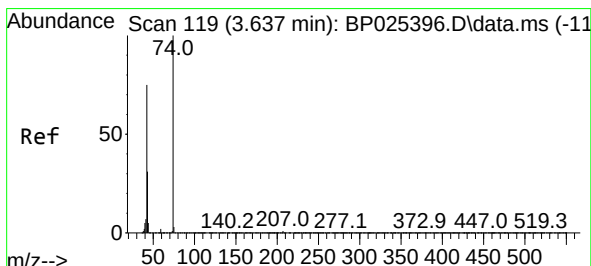
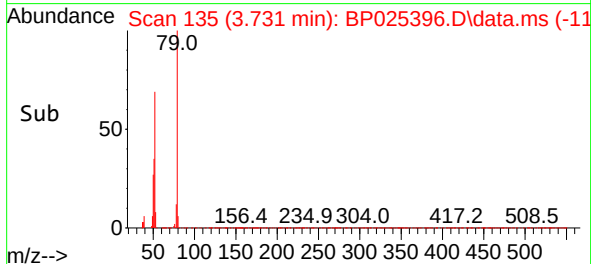
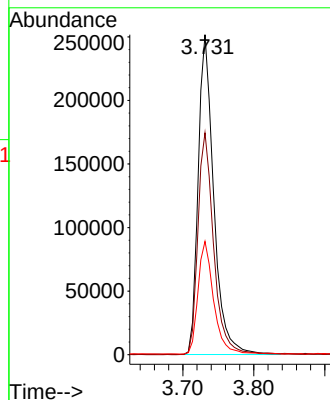
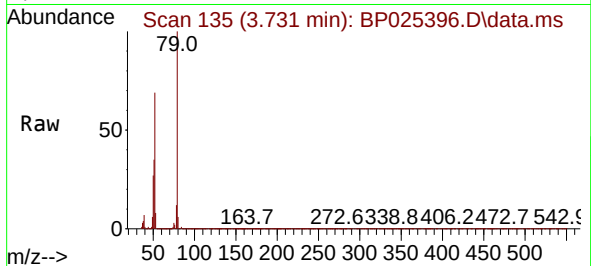




#3
Pyridine
Concen: 37.809 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

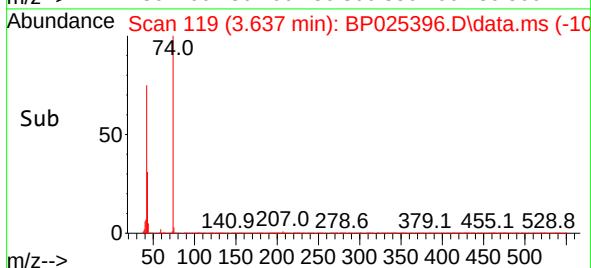
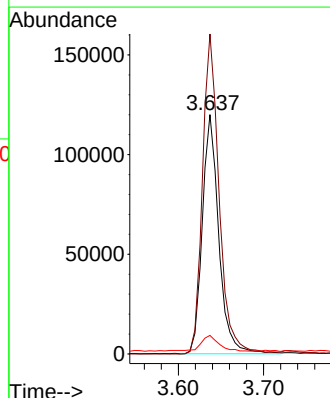
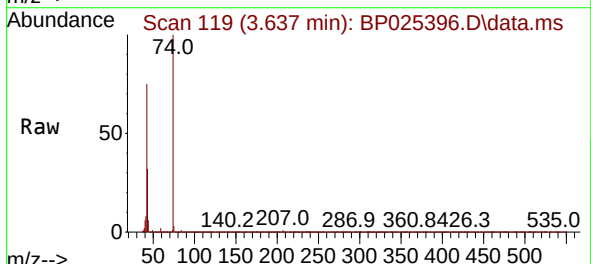
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

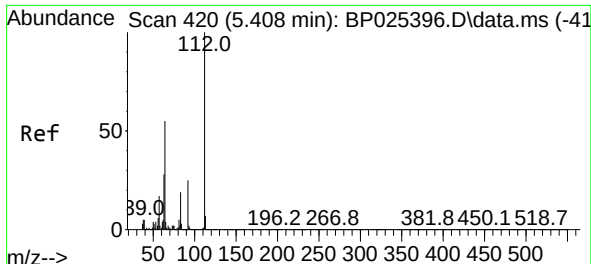
Tgt Ion:	79	Resp:	384936
Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.4	28.3	42.5



#4
n-Nitrosodimethylamine
Concen: 38.421 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	42	Resp:	161267
Ion	Ratio	Lower	Upper
42	100		
74	133.7	107.0	160.4
44	7.8	6.2	9.4

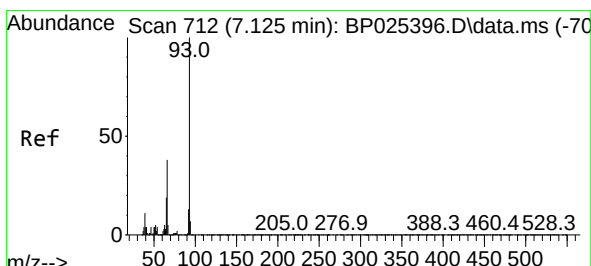
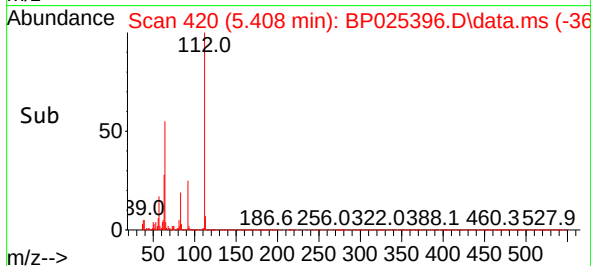
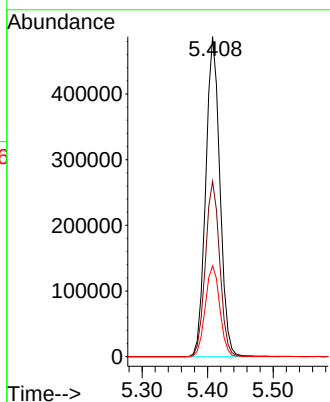
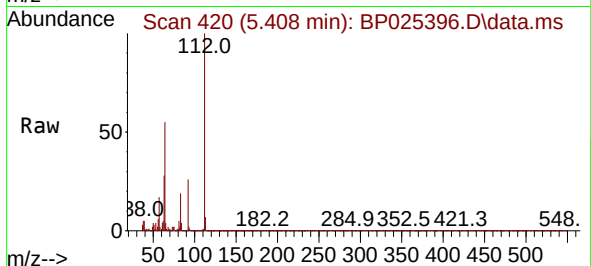




#5
2-Fluorophenol
Concen: 77.209 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

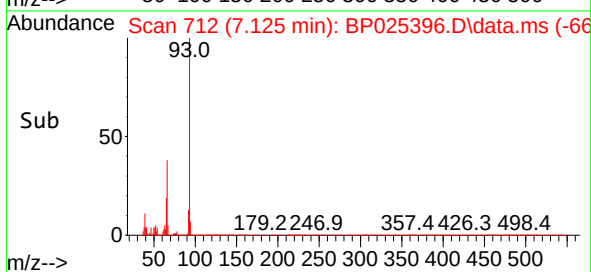
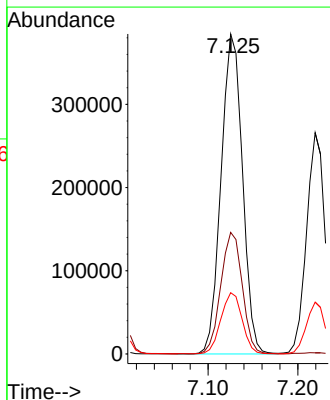
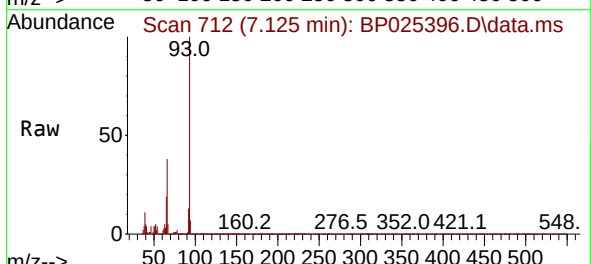
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

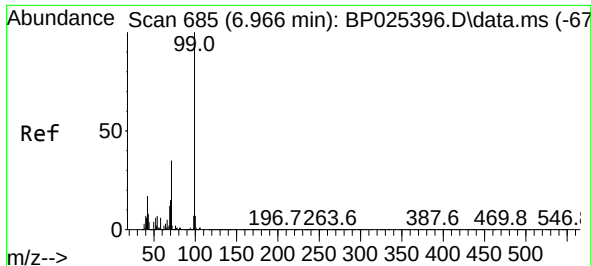
Tgt Ion:	112	Resp:	733191
Ion Ratio	Lower	Upper	
112	100		
64	54.8	43.8	65.8
63	28.4	22.7	34.1



#6
Aniline
Concen: 38.842 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	93	Resp:	637156
Ion Ratio	Lower	Upper	
93	100		
66	38.0	30.4	45.6
65	19.1	15.3	22.9

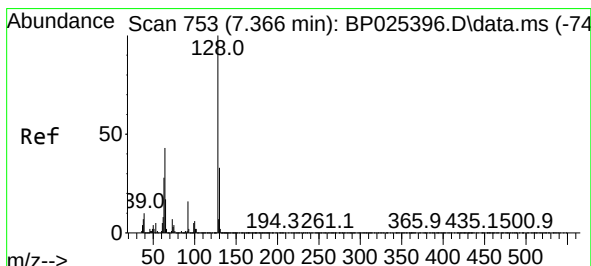
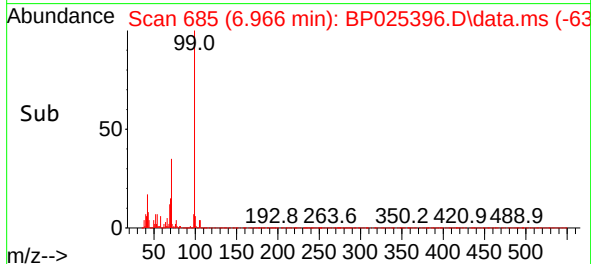
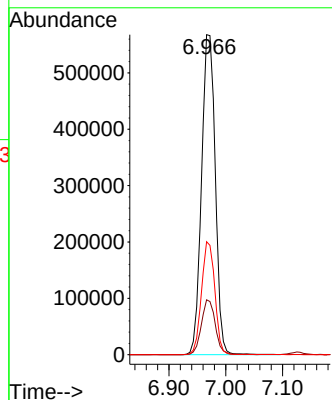
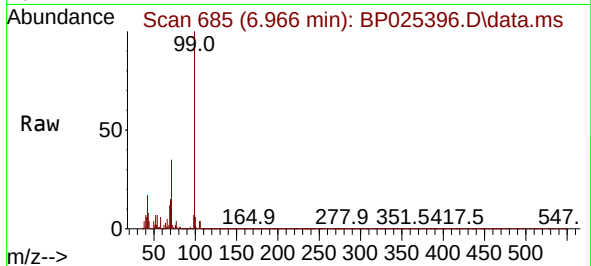




#7
Phenol-d6
Concen: 78.381 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

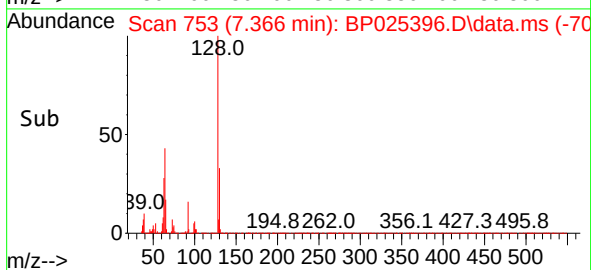
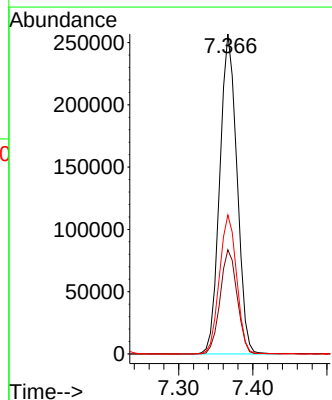
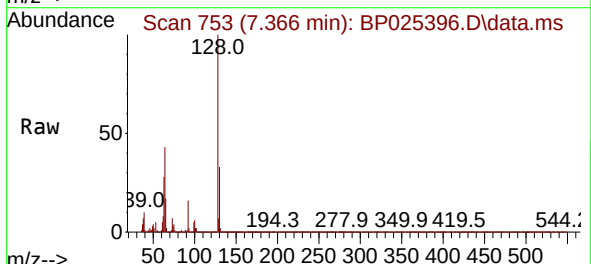
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

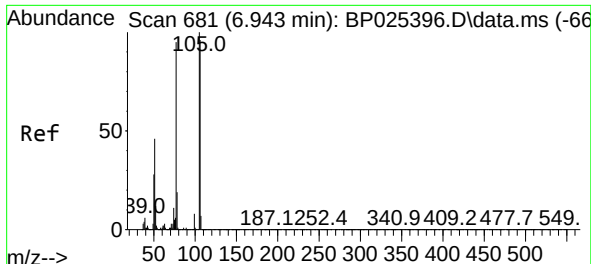
Tgt Ion: 99 Resp: 954285
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 35.3 28.2 42.4



#8
2-Chlorophenol
Concen: 38.655 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 128 Resp: 414233
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 43.4 23.4 63.4

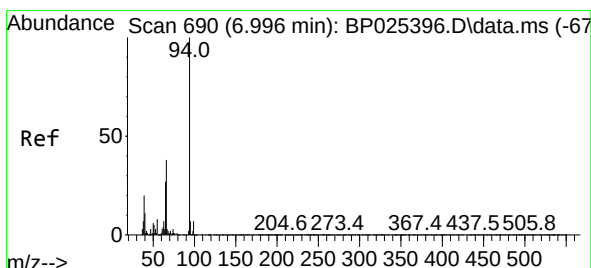
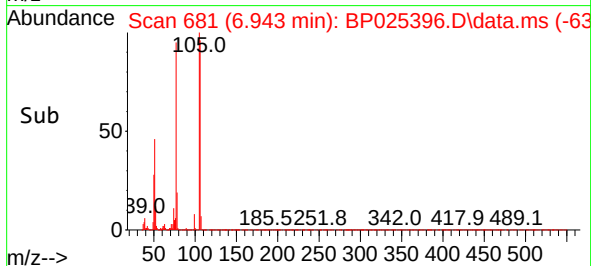
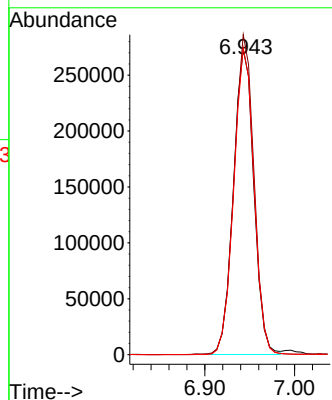
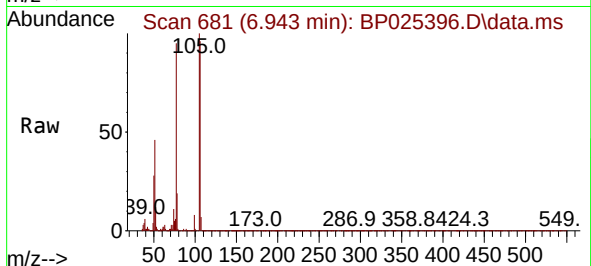




#9
Benzaldehyde
Concen: 50.493 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

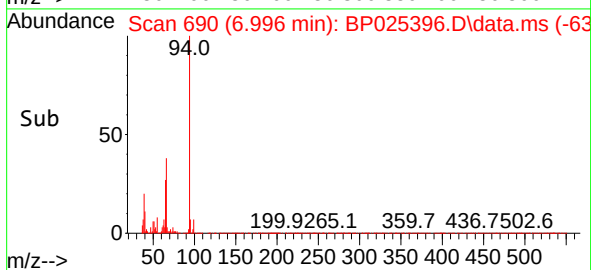
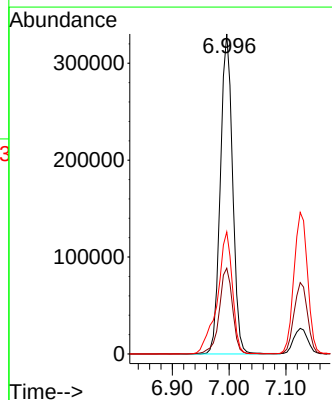
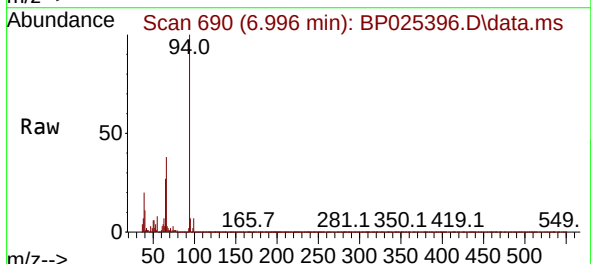
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

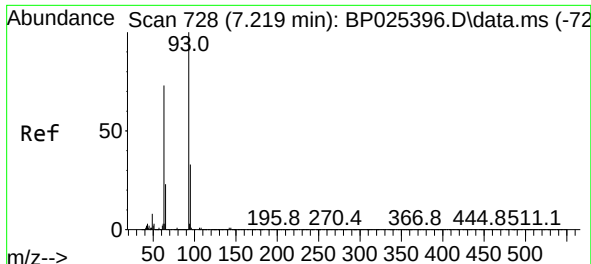
Tgt Ion: 77 Resp: 430704
Ion Ratio Lower Upper
77 100
105 104.8 84.8 124.8
106 100.5 80.5 120.5



#10
Phenol
Concen: 38.884 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 94 Resp: 496755
Ion Ratio Lower Upper
94 100
65 26.8 6.8 46.8
66 38.2 18.2 58.2



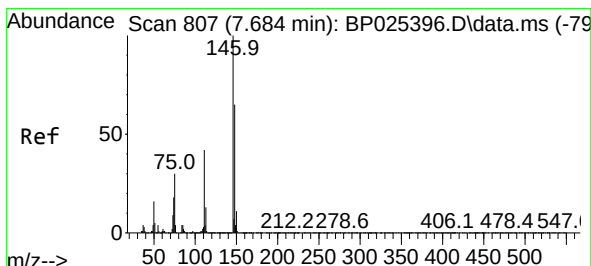
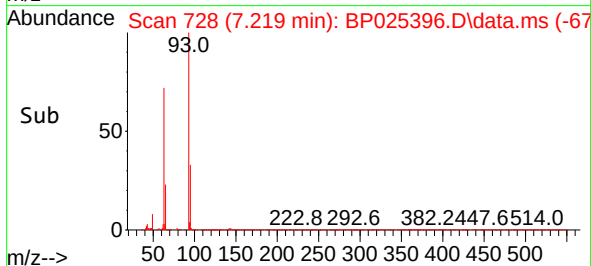
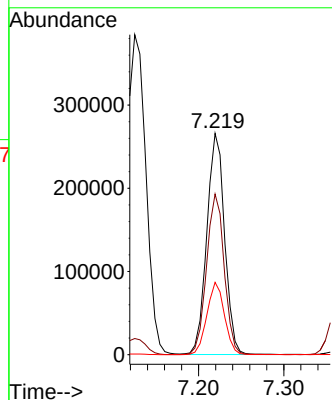
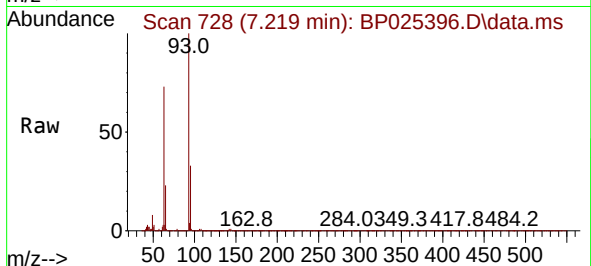


#11
 bis(2-Chloroethyl)ether
 Concen: 38.698 ng
 RT: 7.219 min Scan# 728
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC040

Tgt Ion: 93 Resp: 385335

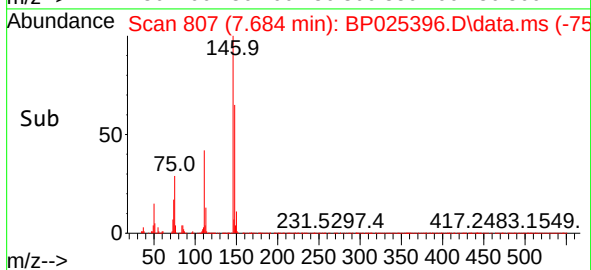
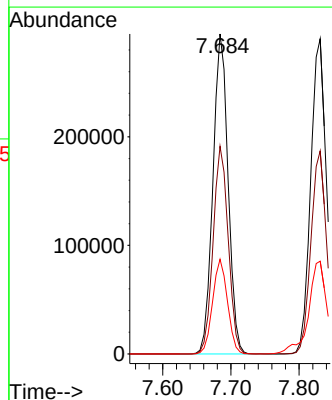
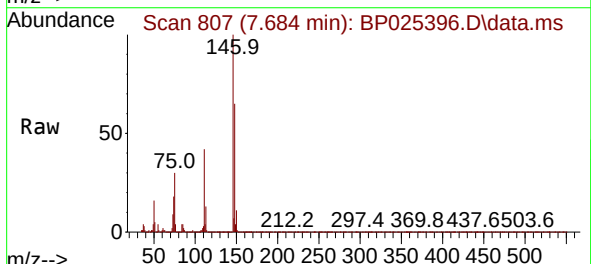
Ion	Ratio	Lower	Upper
93	100		
63	72.6	52.6	92.6
95	32.7	12.7	52.7

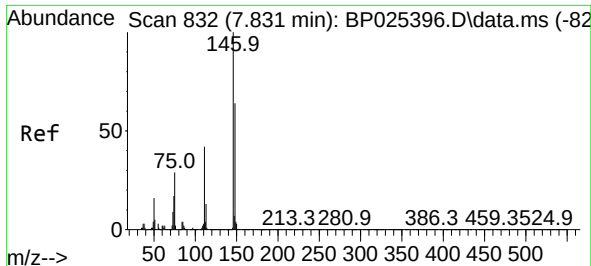


#12
 1,3-Dichlorobenzene
 Concen: 38.523 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion: 146 Resp: 455200

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
75	29.6	23.7	35.5

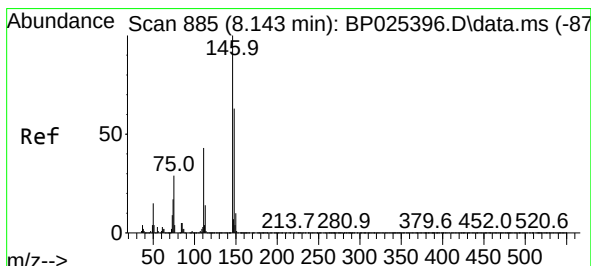
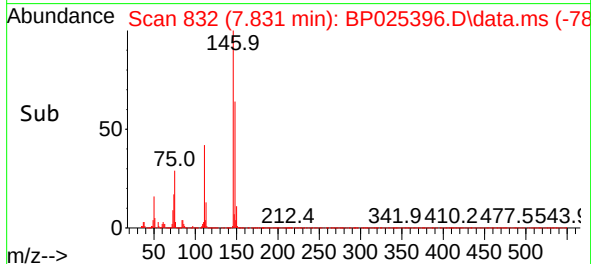
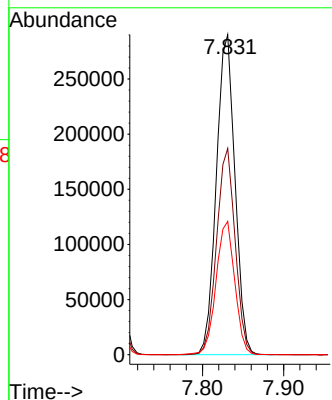
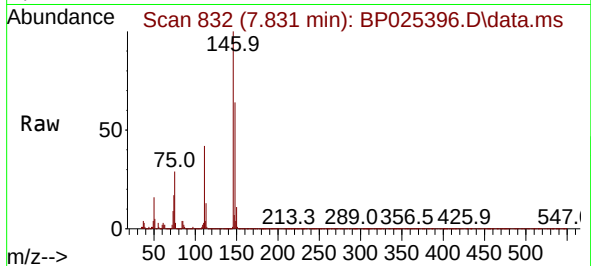




#13
1,4-Dichlorobenzene
Concen: 38.319 ng
RT: 7.831 min Scan# 832
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

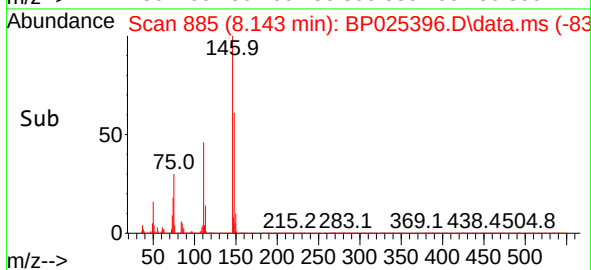
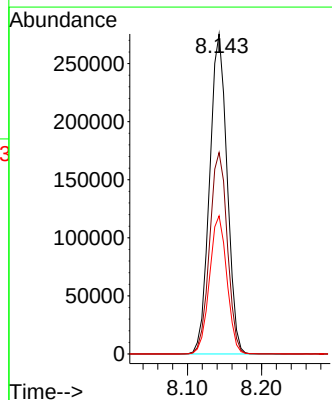
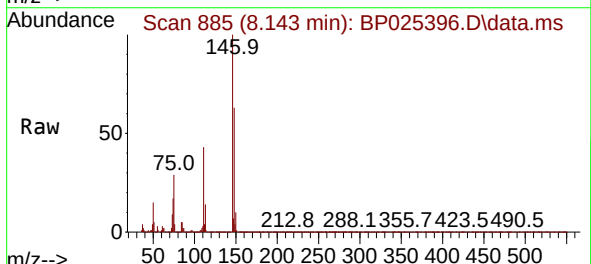
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

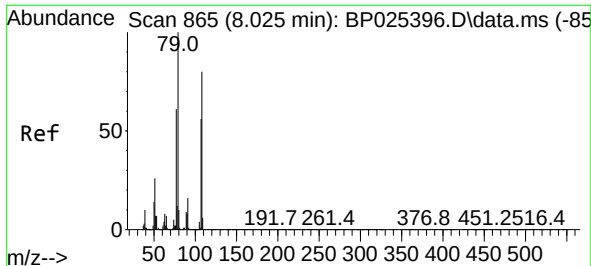
Tgt Ion:146 Resp: 462800
Ion Ratio Lower Upper
146 100
148 64.5 51.6 77.4
111 41.7 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 38.602 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 451306
Ion Ratio Lower Upper
146 100
148 63.0 50.4 75.6
111 43.1 34.5 51.7

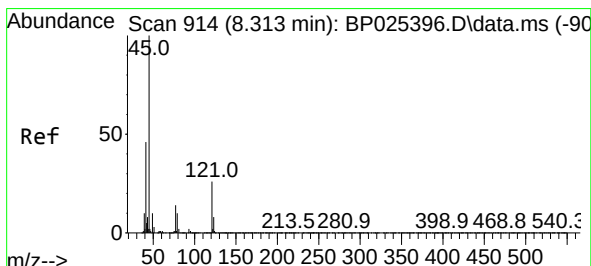
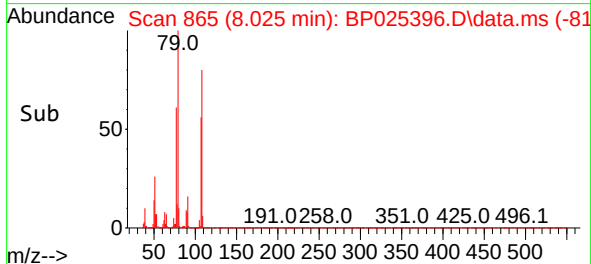
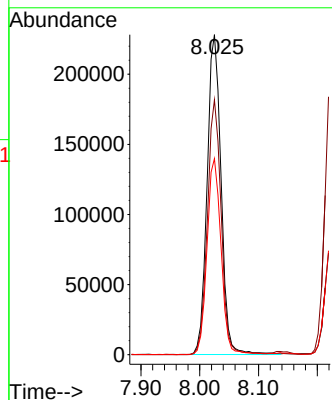
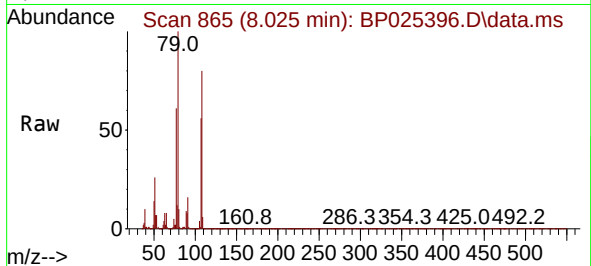




#15
Benzyl Alcohol
Concen: 38.901 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

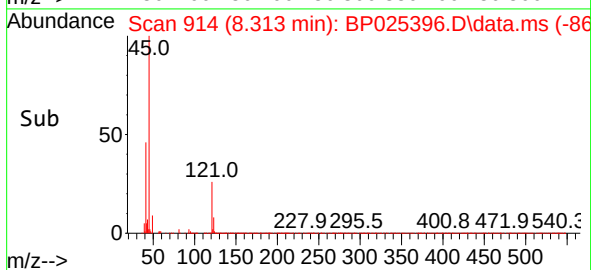
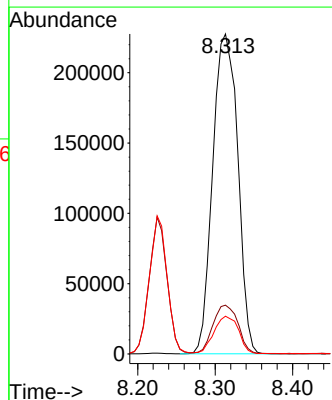
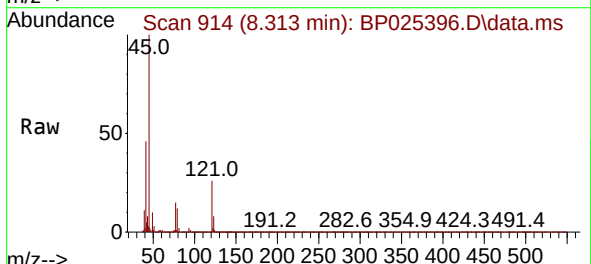
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

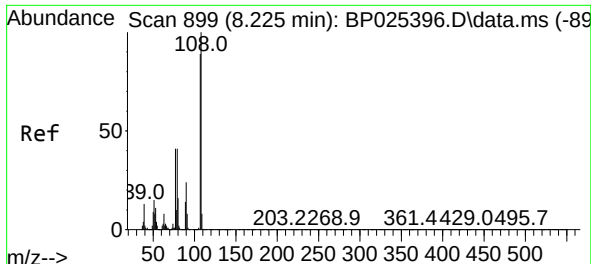
Tgt Ion: 79 Resp: 376323
Ion Ratio Lower Upper
79 100
108 79.7 63.8 95.6
77 61.2 49.0 73.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 38.308 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 45 Resp: 510991
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.3
79 11.8 0.0 31.8

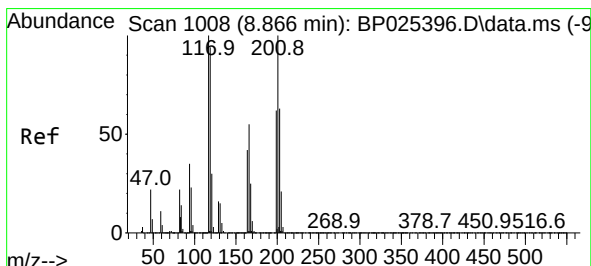
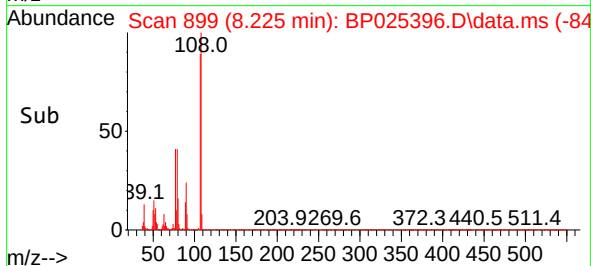
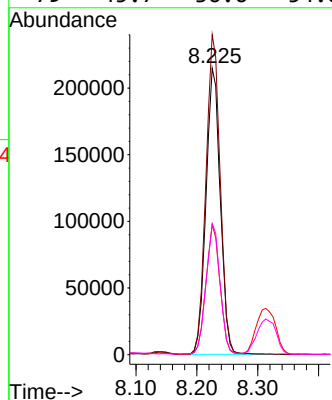
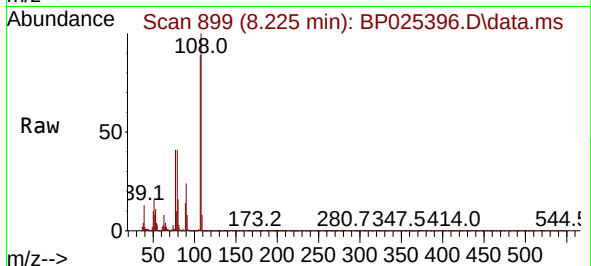




#17
2-Methylphenol
Concen: 39.369 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

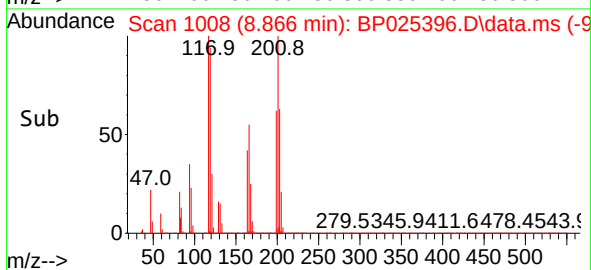
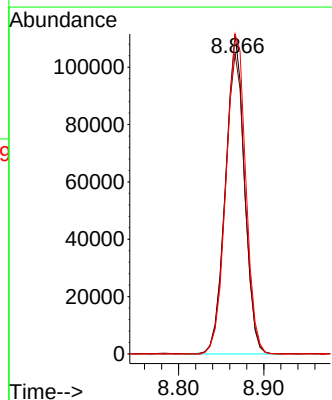
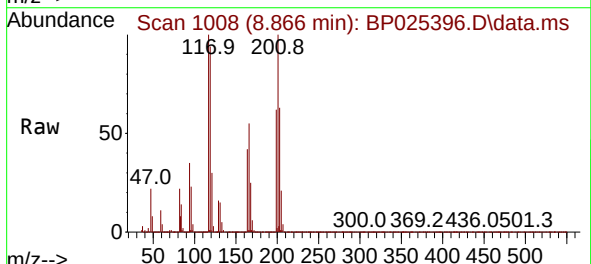
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

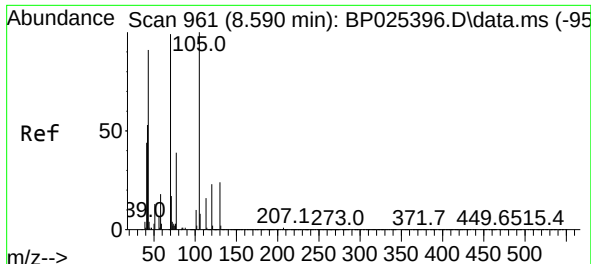
Tgt Ion:	107	Resp:	349313
Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.4	134.0
77	45.4	36.3	54.5
79	45.7	36.6	54.8



#18
Hexachloroethane
Concen: 38.712 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	117	Resp:	171906
Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.1	112.7
201	100.1	80.1	120.1

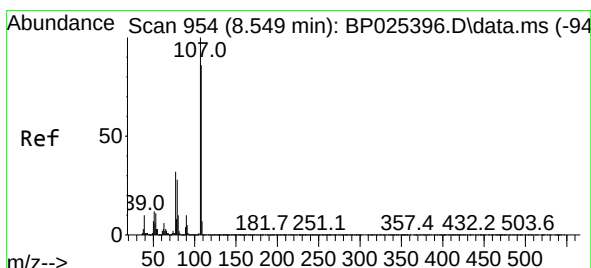
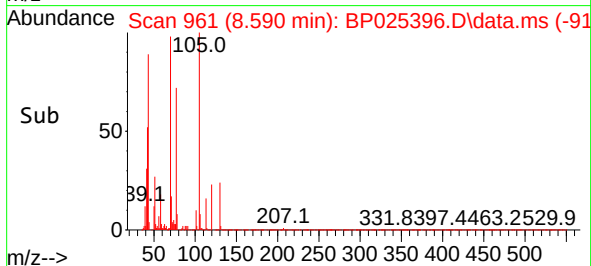
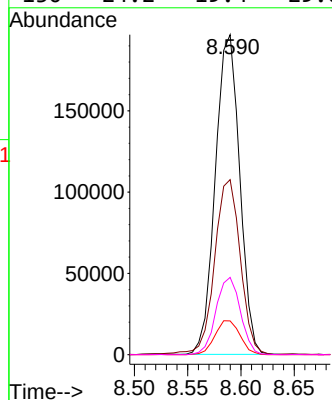
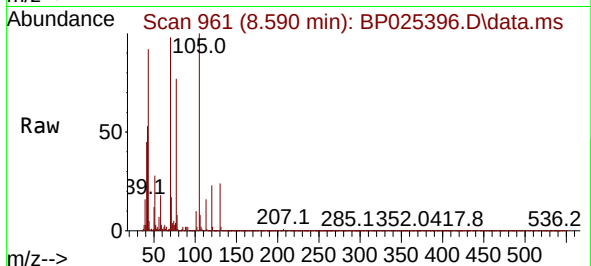




#19
n-Nitroso-di-n-propylamine
Concen: 38.737 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

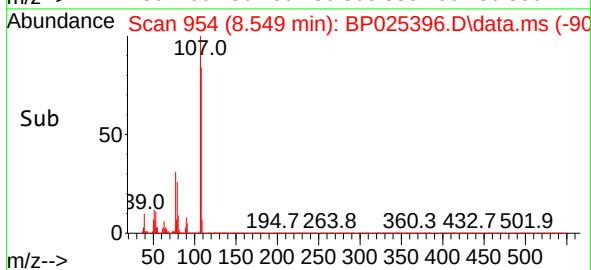
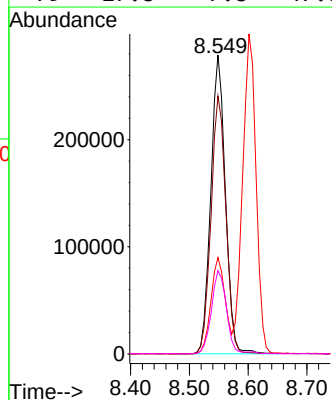
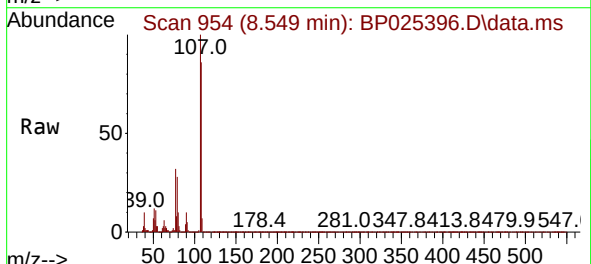
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

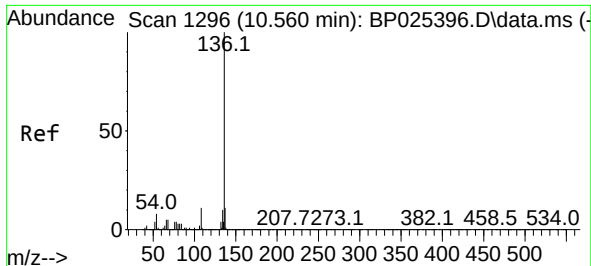
Tgt Ion: 70 Resp: 312773
Ion Ratio Lower Upper
70 100
42 54.7 43.8 65.6
101 10.6 8.5 12.7
130 24.2 19.4 29.0



#20
3+4-Methylphenols
Concen: 39.121 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 107 Resp: 481148
Ion Ratio Lower Upper
107 100
108 86.3 66.3 106.3
77 32.3 12.3 52.3
79 27.8 7.8 47.8

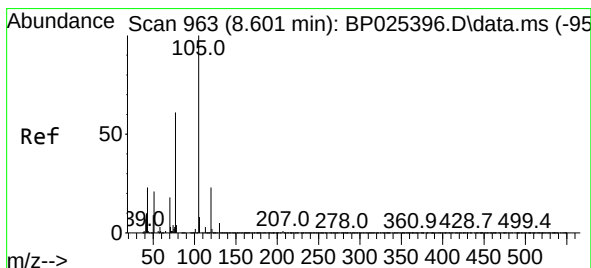
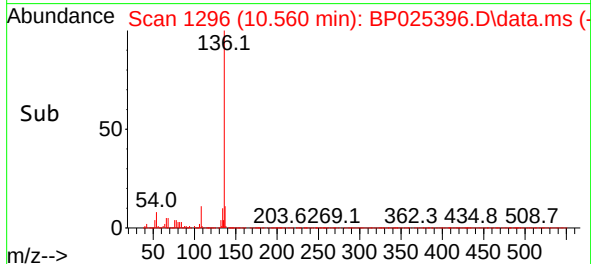
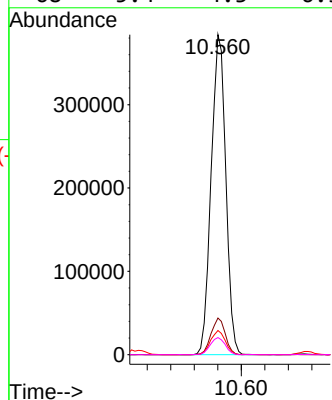
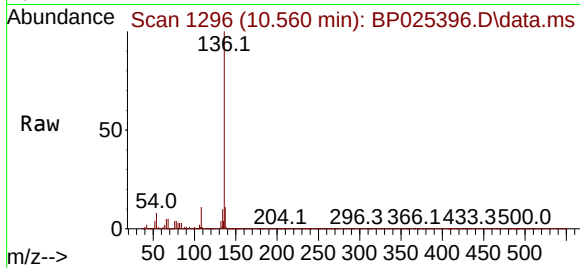




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

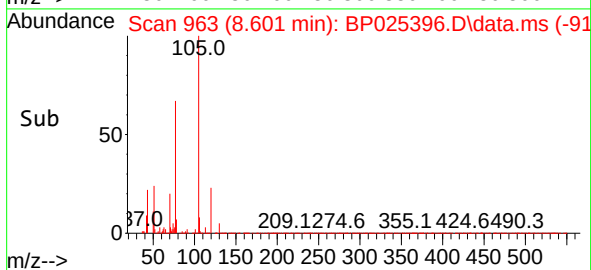
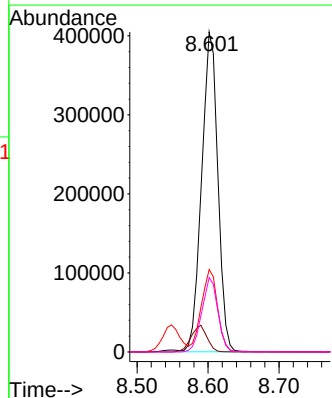
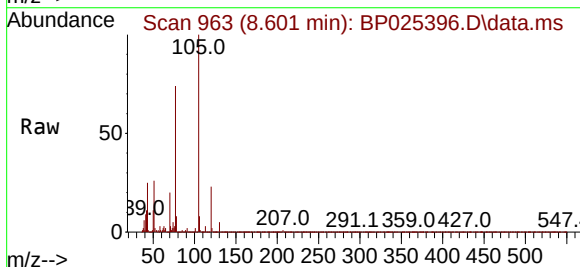
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

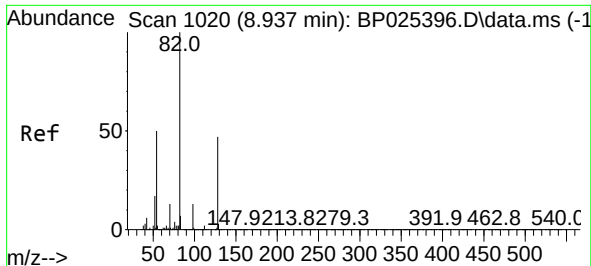
Tgt Ion:	136	Resp:	663553
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	5.4	4.3	6.5



#22
Acetophenone
Concen: 38.708 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	105	Resp:	644124
Ion Ratio	Lower	Upper	
105	100		
71	3.3	2.6	4.0
51	25.7	20.6	30.8
120	23.2	18.6	27.8

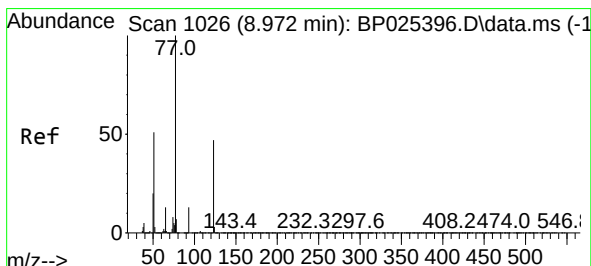
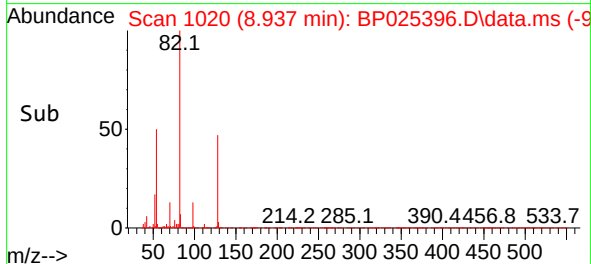
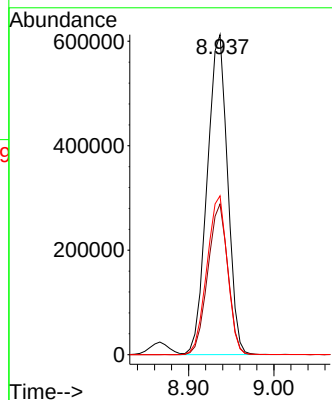
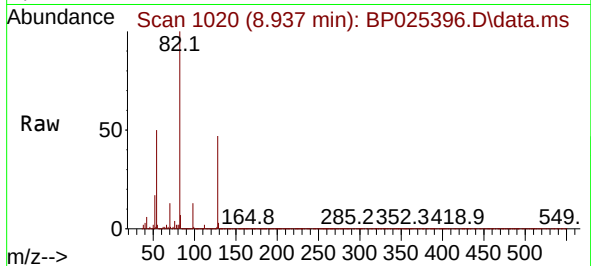




#23
Nitrobenzene-d5
Concen: 77.420 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

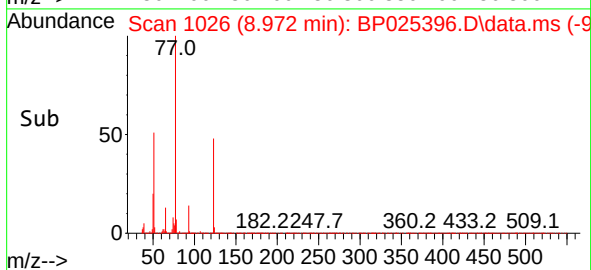
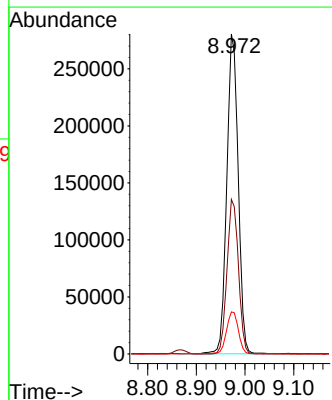
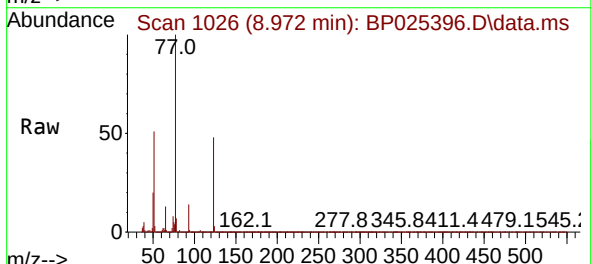
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

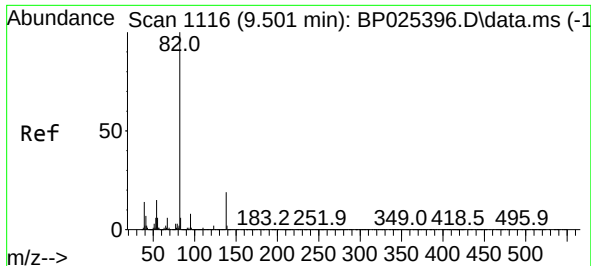
Tgt Ion: 82 Resp: 1015557
Ion Ratio Lower Upper
82 100
128 47.1 37.7 56.5
54 49.7 39.8 59.6



#24
Nitrobenzene
Concen: 38.997 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 77 Resp: 457175
Ion Ratio Lower Upper
77 100
123 48.3 38.6 58.0
65 13.2 10.6 15.8

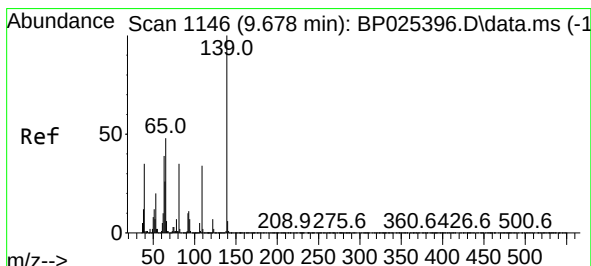
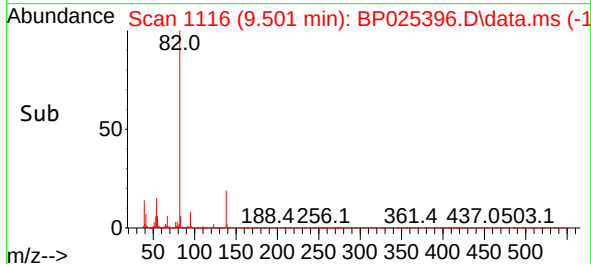
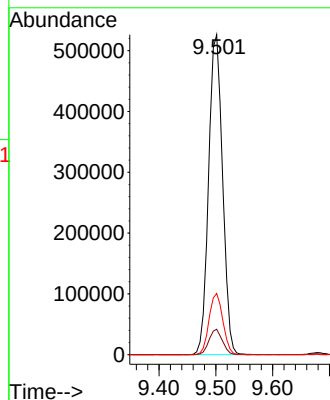
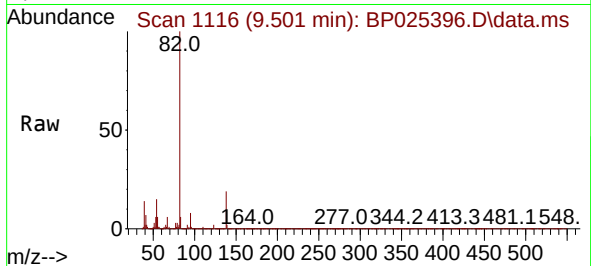




#25
Isophorone
Concen: 38.510 ng
RT: 9.501 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

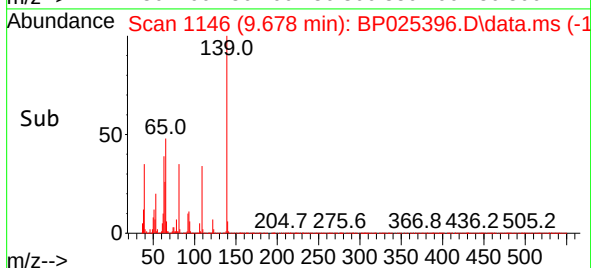
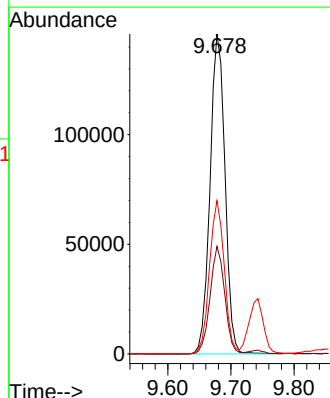
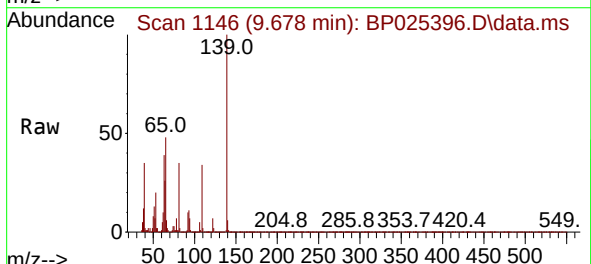
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

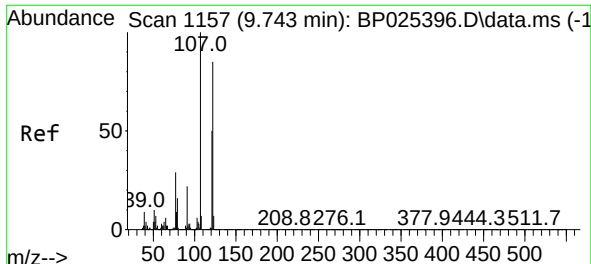
Tgt Ion:	82	Resp:	893987
Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	19.2	15.4	23.0



#26
2-Nitrophenol
Concen: 39.837 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	139	Resp:	239675
Ion	Ratio	Lower	Upper
139	100		
109	33.6	26.9	40.3
65	47.9	38.3	57.5

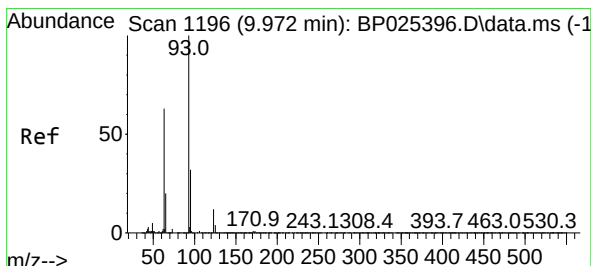
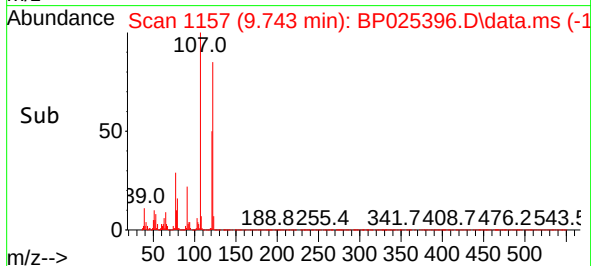
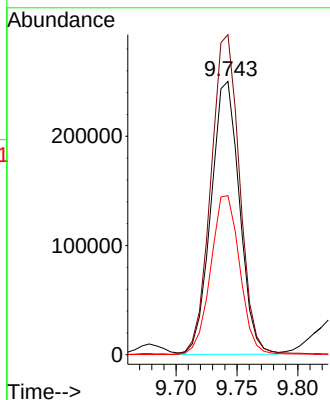
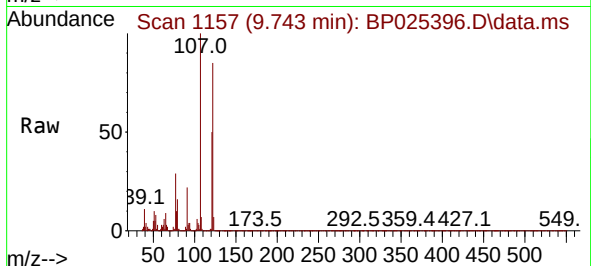




#27
2,4-Dimethylphenol
Concen: 39.489 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

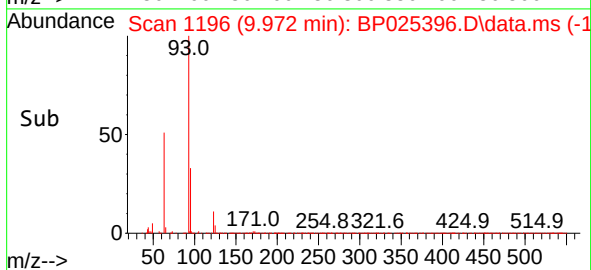
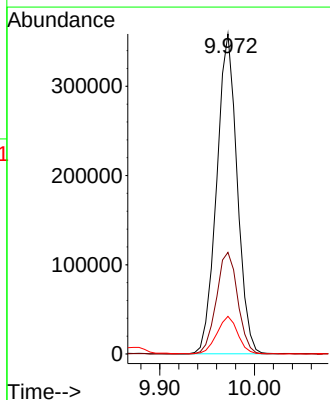
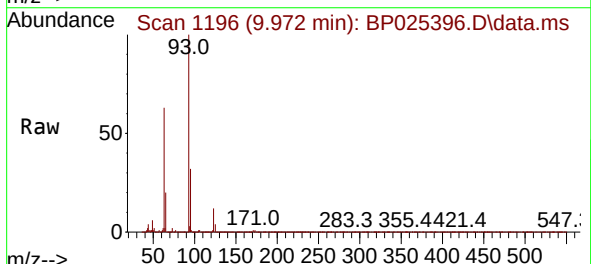
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

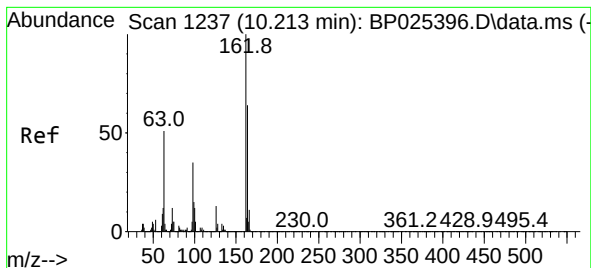
Tgt Ion:122 Resp: 408572
Ion Ratio Lower Upper
122 100
107 117.1 93.7 140.5
121 58.2 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 38.502 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 540282
Ion Ratio Lower Upper
93 100
95 31.7 25.4 38.0
123 11.7 9.4 14.0

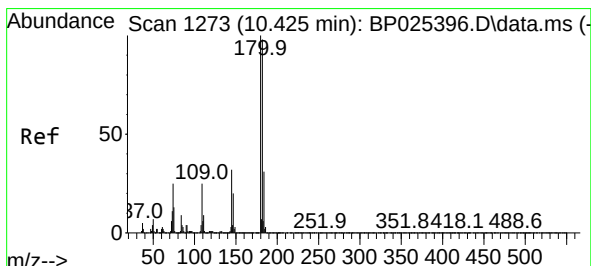
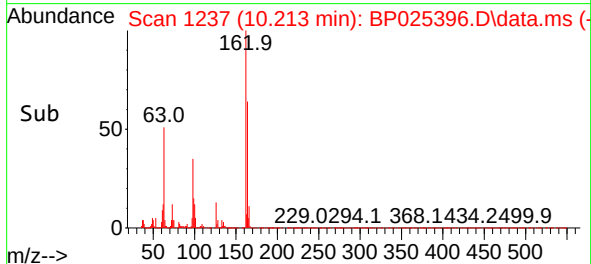
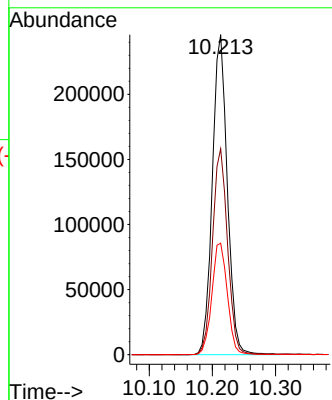
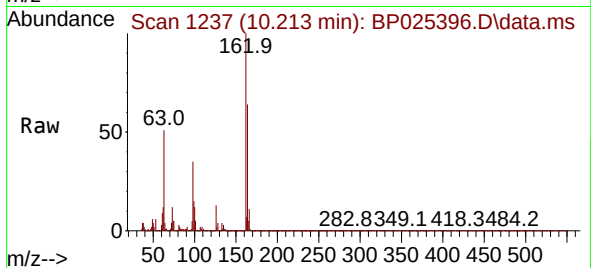




#29
2,4-Dichlorophenol
Concen: 39.427 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

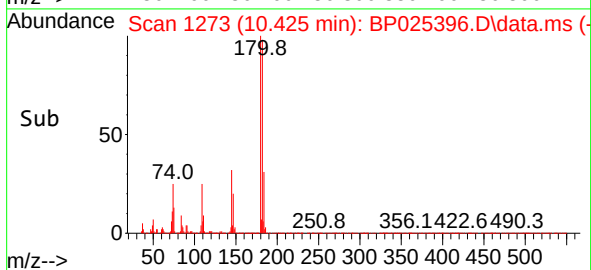
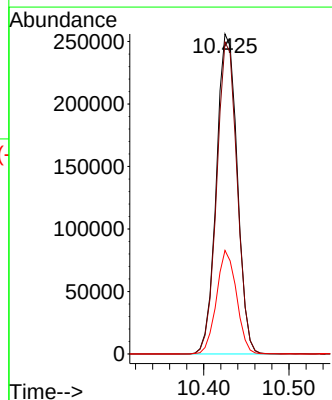
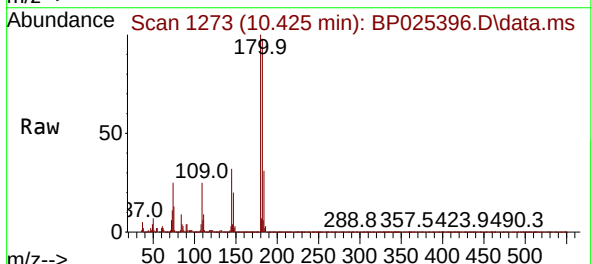
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

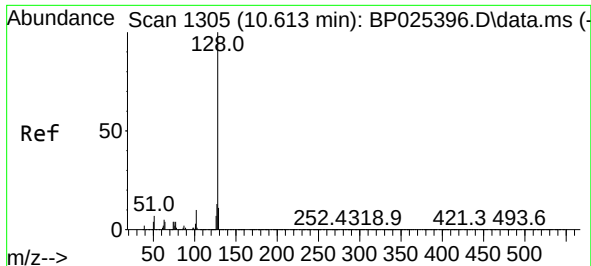
Tgt Ion:162 Resp: 405233
Ion Ratio Lower Upper
162 100
164 64.4 44.4 84.4
98 34.9 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 38.529 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:180 Resp: 434105
Ion Ratio Lower Upper
180 100
182 97.5 78.0 117.0
145 32.4 25.9 38.9

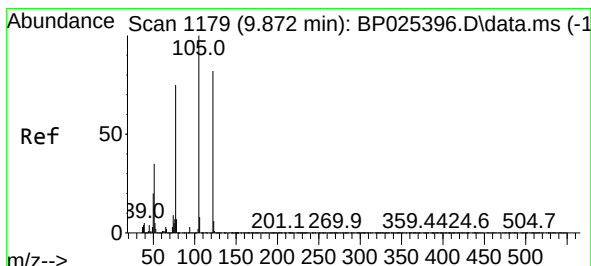
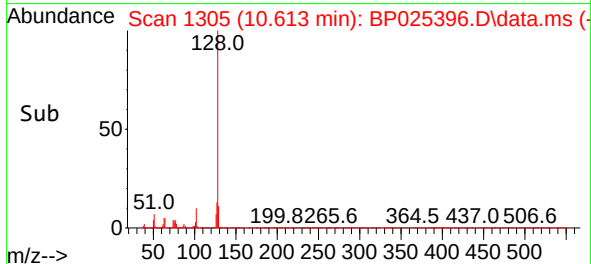
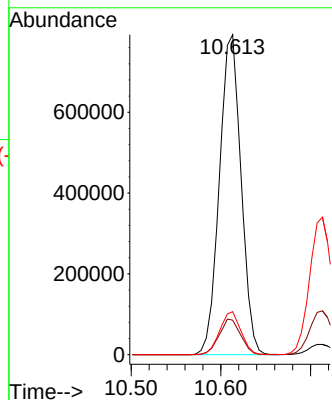
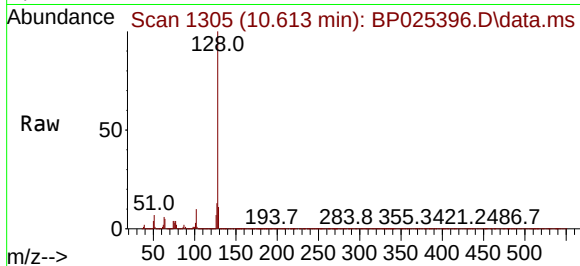




#31
Naphthalene
Concen: 38.472 ng
RT: 10.613 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

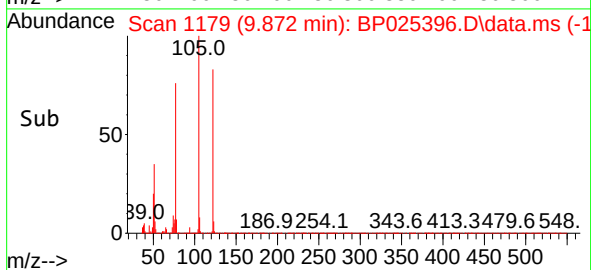
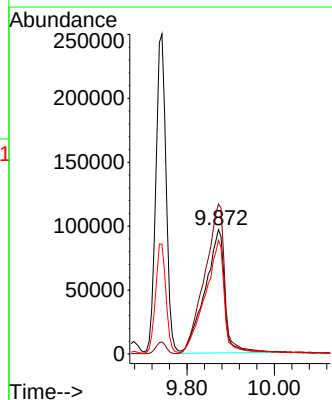
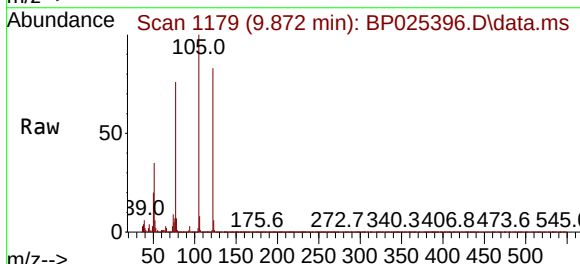
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

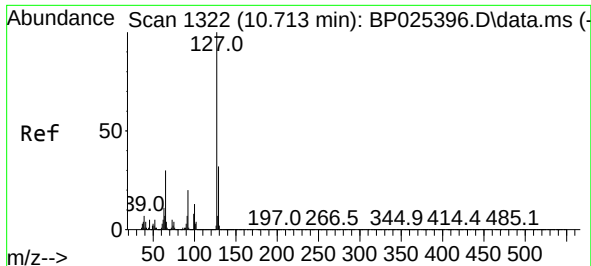
Tgt Ion:128 Resp: 1326839
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 39.537 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:122 Resp: 301281
Ion Ratio Lower Upper
122 100
105 120.6 100.6 140.6
77 91.5 71.5 111.5

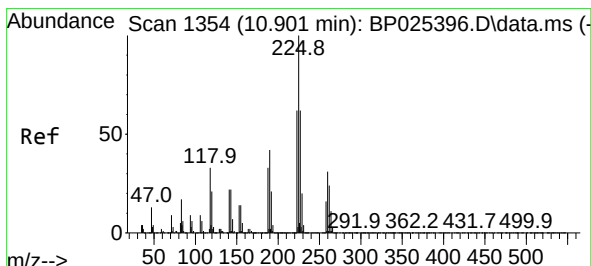
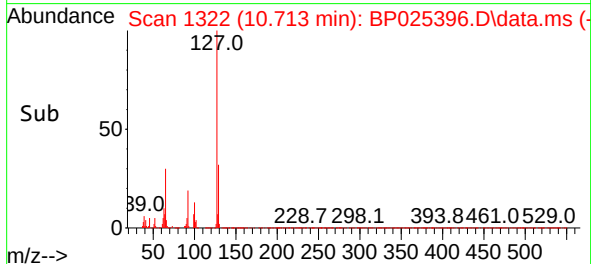
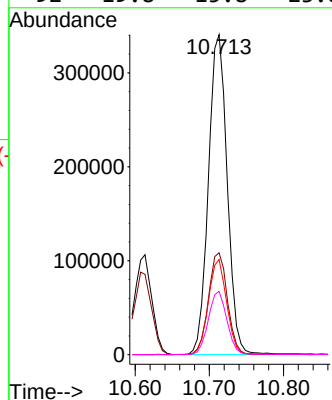
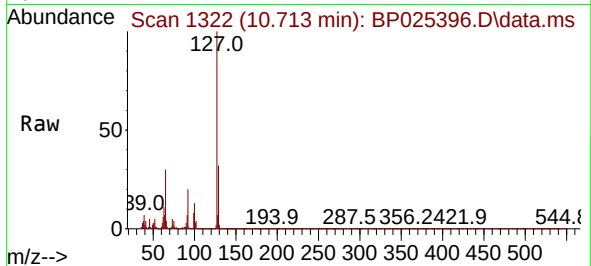




#33
4-Chloroaniline
Concen: 39.350 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

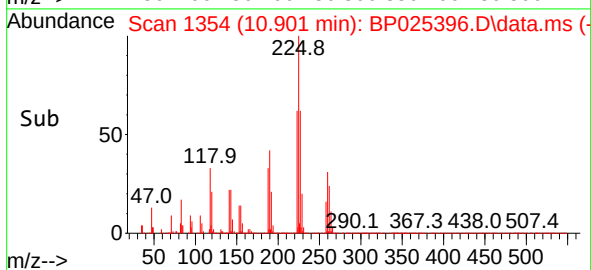
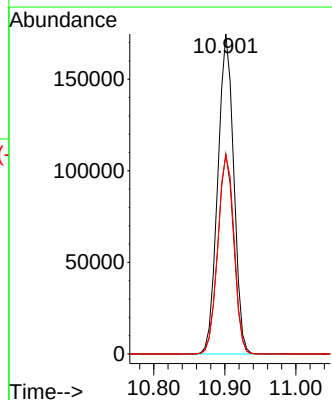
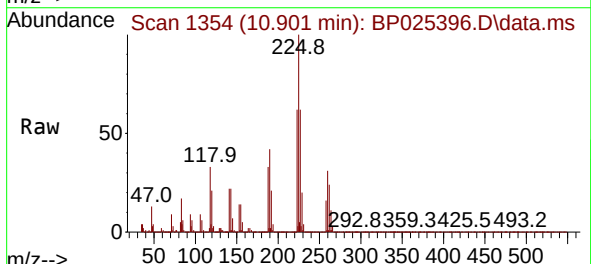
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

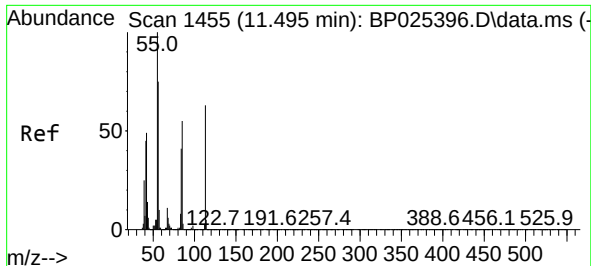
Tgt Ion:	127	Resp:	599466
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	29.7	23.8	35.6
92	19.8	15.8	23.8



#34
Hexachlorobutadiene
Concen: 38.700 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	225	Resp:	271549
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	62.1	49.7	74.5

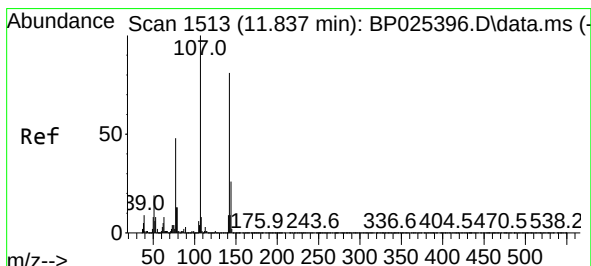
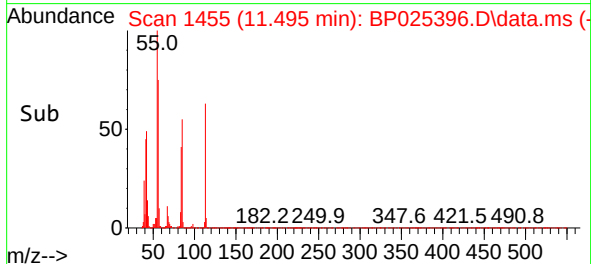
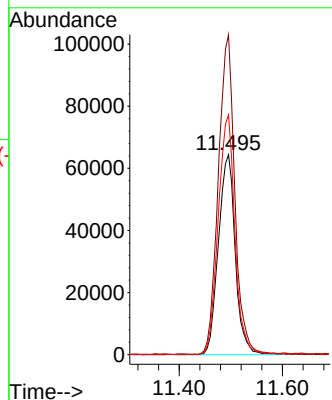
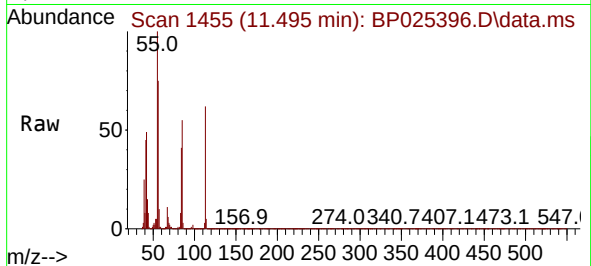




#35
Caprolactam
Concen: 38.520 ng
RT: 11.495 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

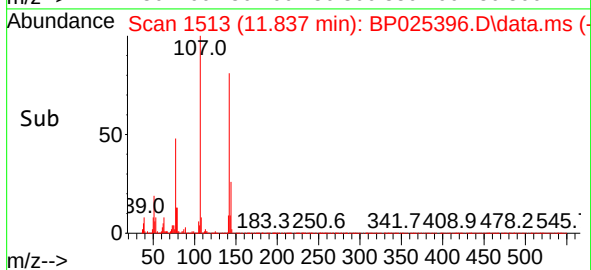
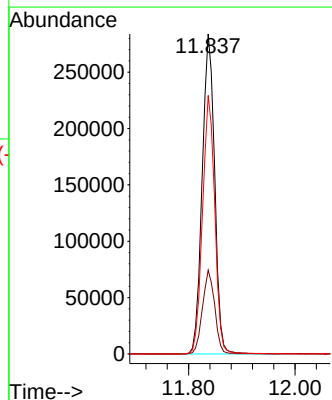
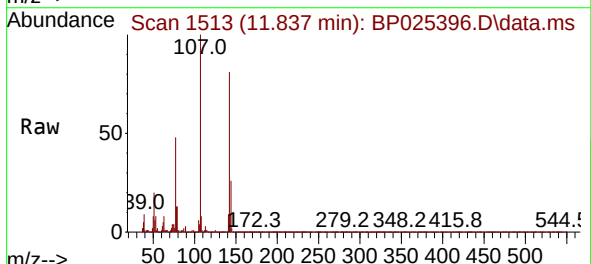
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

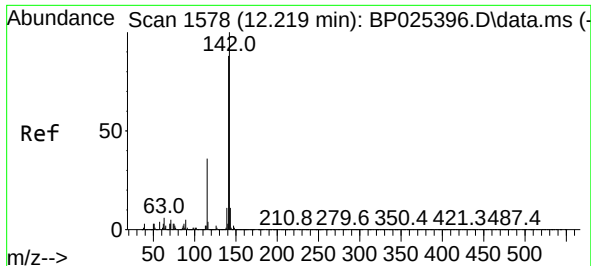
Tgt Ion:113 Resp: 145175
Ion Ratio Lower Upper
113 100
55 160.0 140.0 180.0
56 120.0 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 38.959 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 459473
Ion Ratio Lower Upper
107 100
144 26.2 21.0 31.4
142 80.8 64.6 97.0

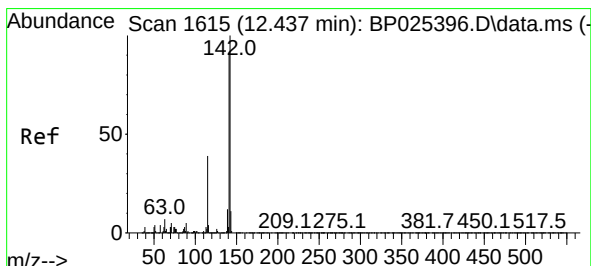
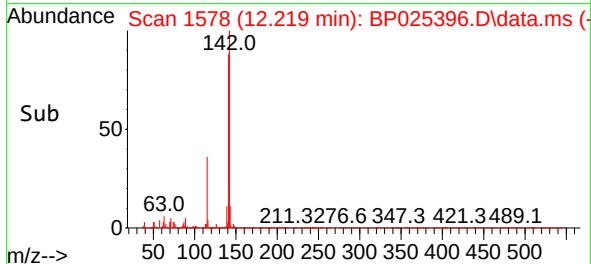
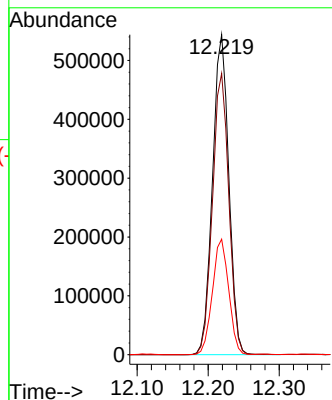
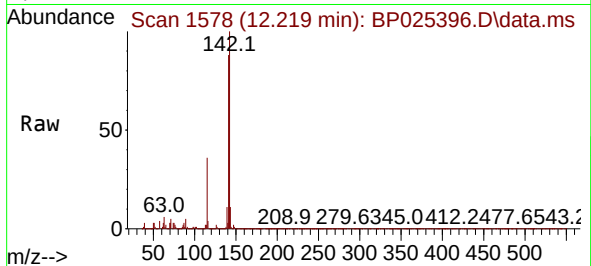




#37
2-Methylnaphthalene
Concen: 38.559 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

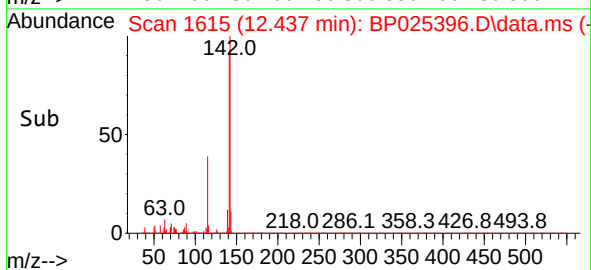
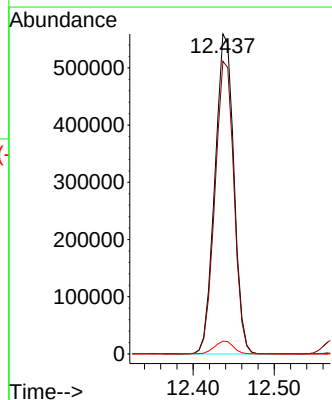
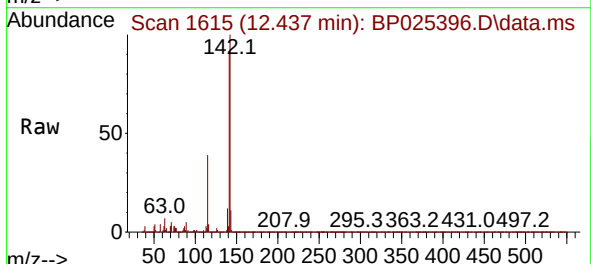
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

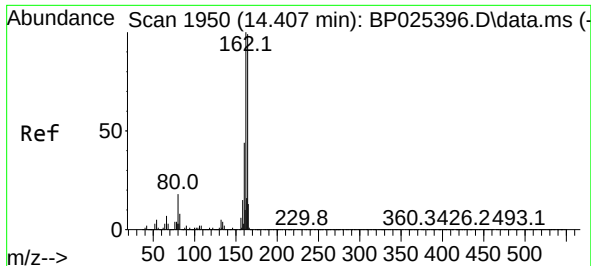
Tgt Ion:142 Resp: 865427
Ion Ratio Lower Upper
142 100
141 87.9 70.3 105.5
115 36.1 28.9 43.3



#38
1-Methylnaphthalene
Concen: 38.120 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:142 Resp: 909865
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 4.0 3.2 4.8

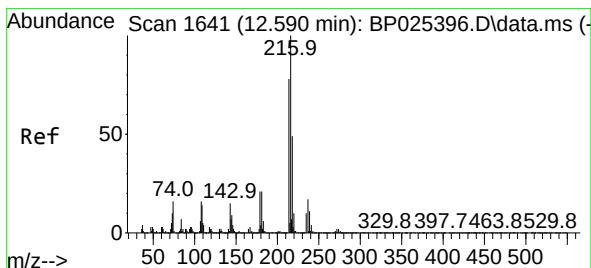
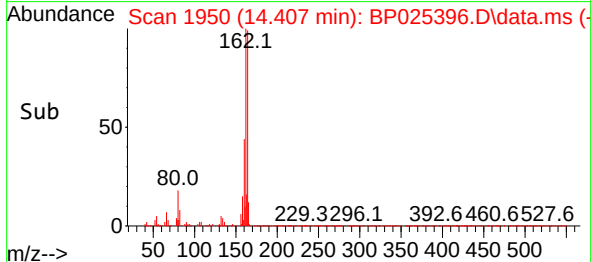
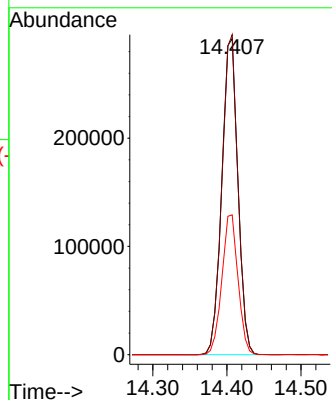
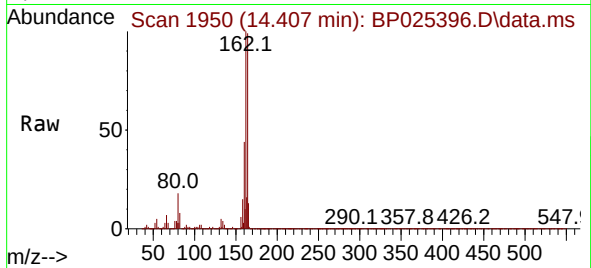




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

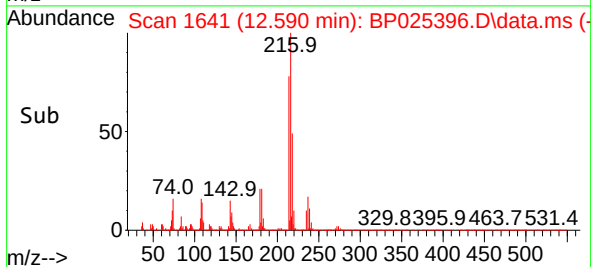
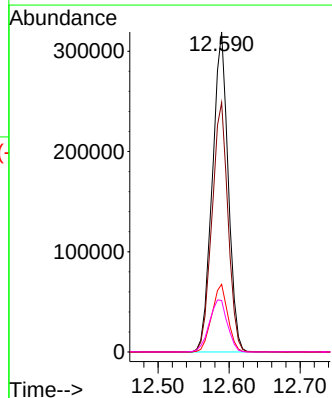
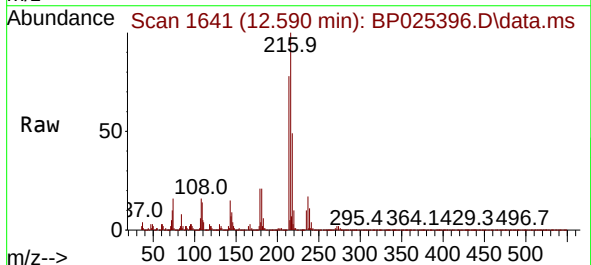
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

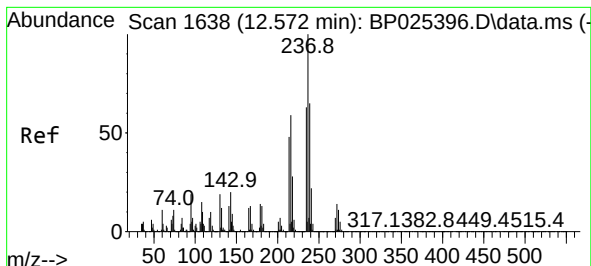
Tgt Ion:164 Resp: 441110
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.6
160 44.3 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.787 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:216 Resp: 494141
Ion Ratio Lower Upper
216 100
214 78.7 63.0 94.4
179 21.4 17.1 25.7
108 18.6 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 39.896 ng

RT: 12.572 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

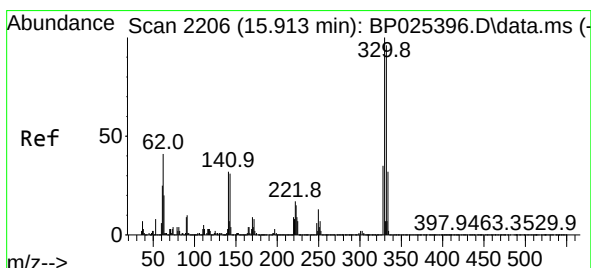
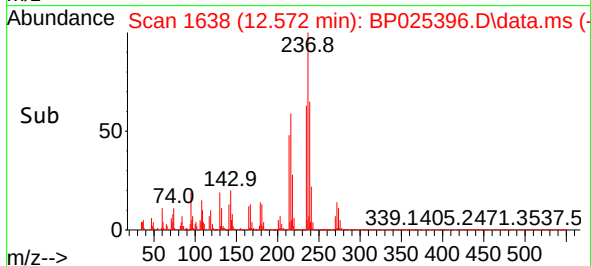
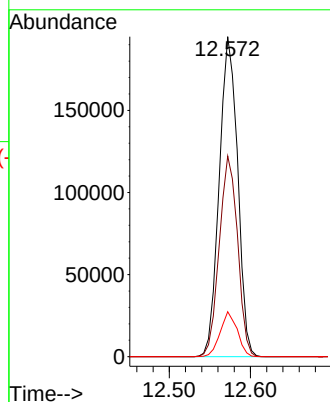
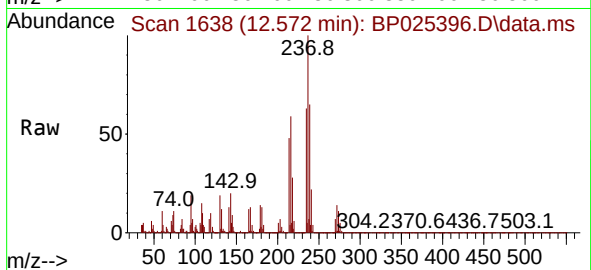
Tgt Ion:237 Resp: 307015

Ion Ratio Lower Upper

237 100

235 62.7 42.7 82.7

272 14.0 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 78.112 ng

RT: 15.913 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

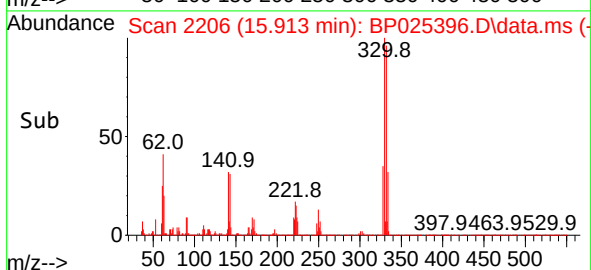
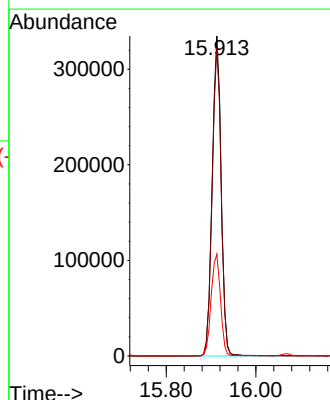
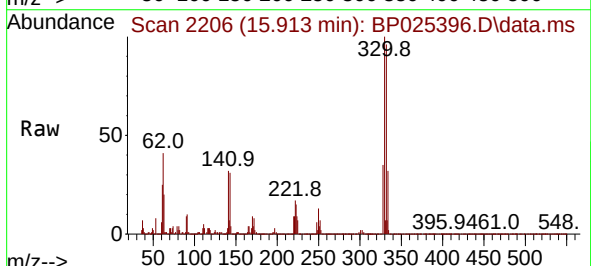
Tgt Ion:330 Resp: 463783

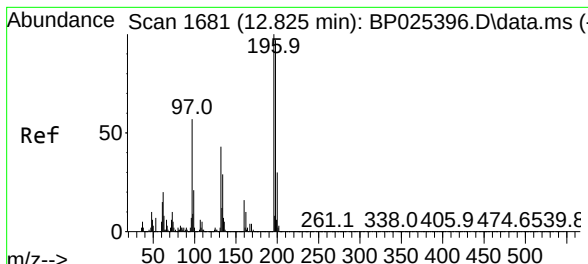
Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 33.2 26.6 39.8

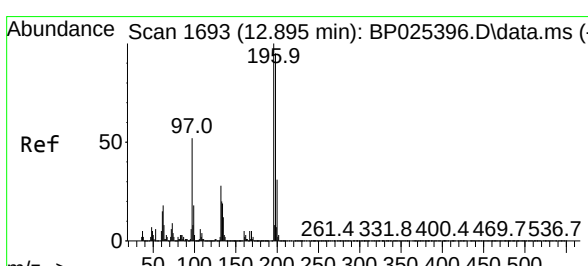
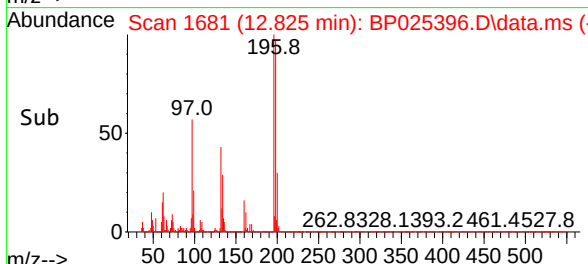
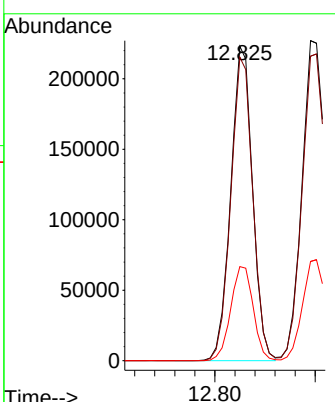
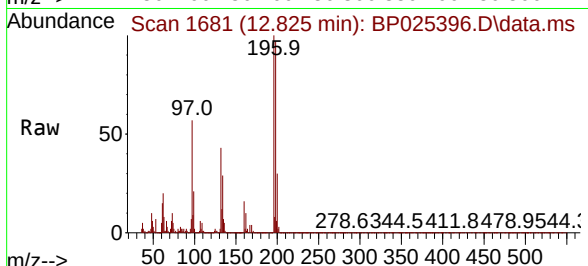




#43
 2,4,6-Trichlorophenol
 Concen: 39.201 ng
 RT: 12.825 min Scan# 1681
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

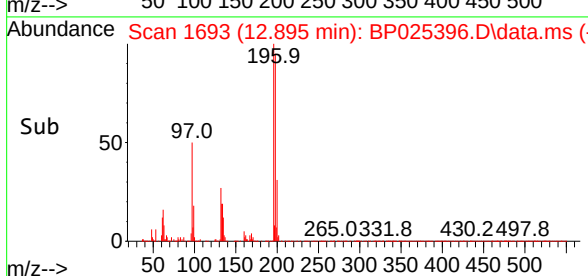
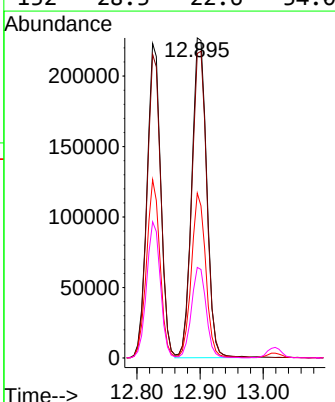
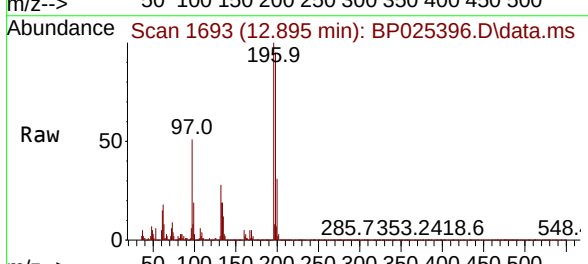
Instrument : BNA_P
 ClientSampleId : SSTDICCC040

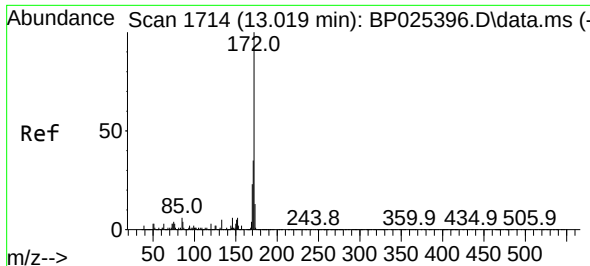
Tgt Ion:	196	Resp:	337157
Ion Ratio	Lower	Upper	
196	100		
198	96.5	77.2	115.8
200	29.9	23.9	35.9



#44
 2,4,5-Trichlorophenol
 Concen: 39.664 ng
 RT: 12.895 min Scan# 1693
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion:	196	Resp:	373880
Ion Ratio	Lower	Upper	
196	100		
198	95.2	76.2	114.2
97	51.5	41.2	61.8
132	28.3	22.6	34.0

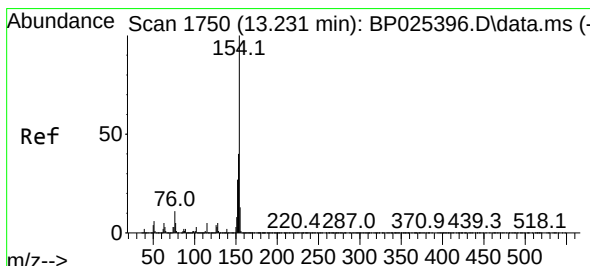
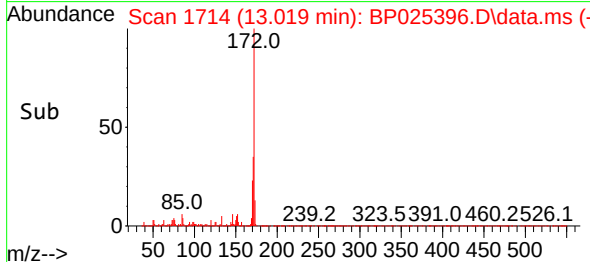
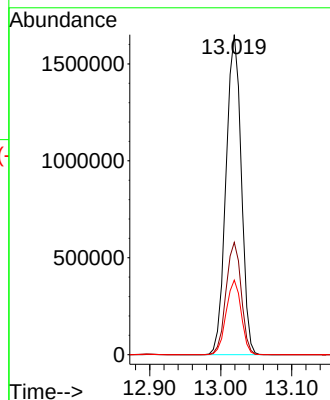
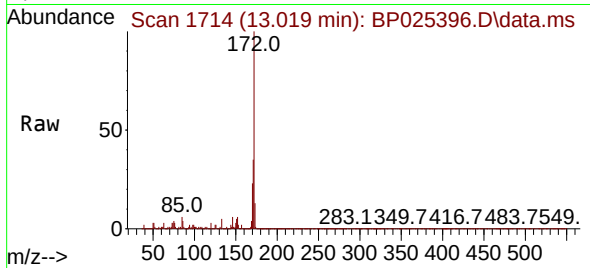




#45
2-Fluorobiphenyl
Concen: 76.118 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

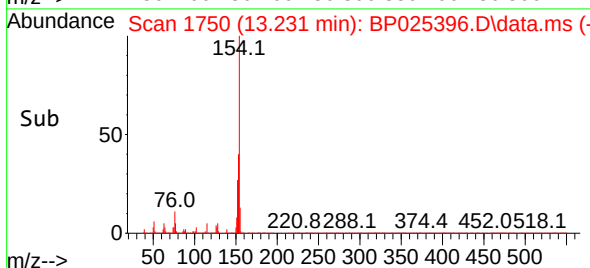
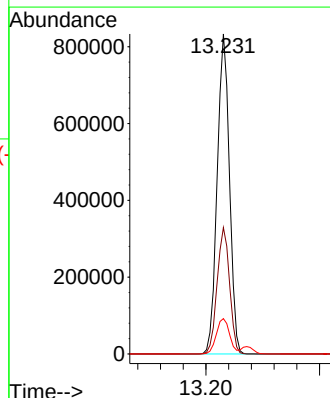
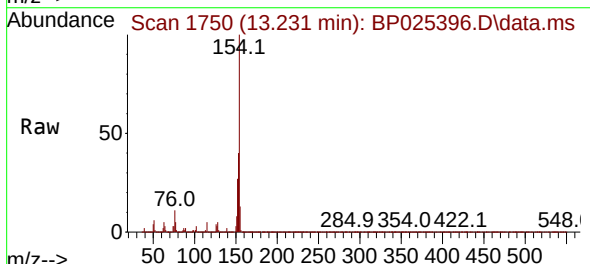
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

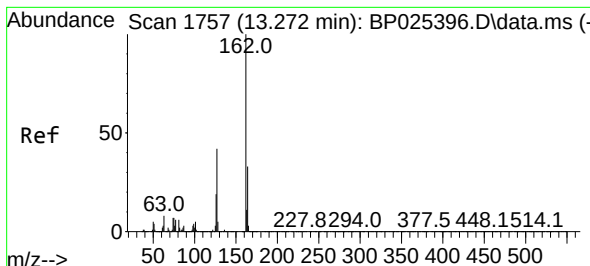
Tgt Ion:172 Resp: 2456787
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 38.777 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 1242247
Ion Ratio Lower Upper
154 100
153 39.5 19.5 59.5
76 11.1 0.0 31.1

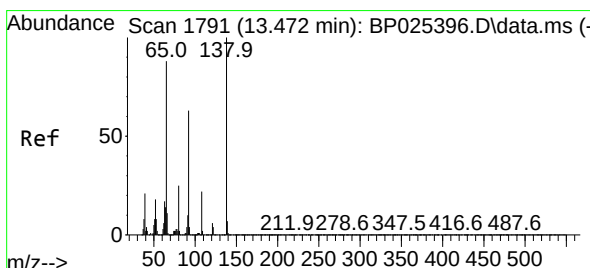
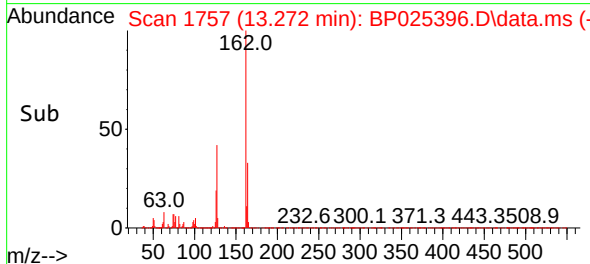
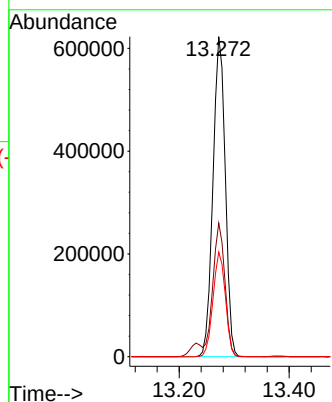
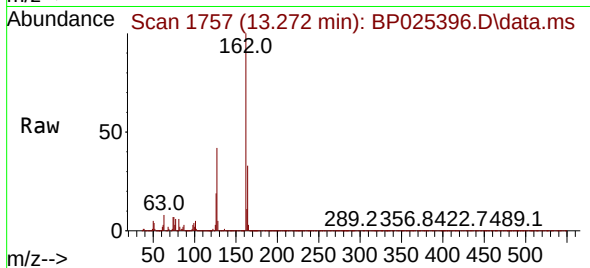




#47
2-Chloronaphthalene
Concen: 38.930 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

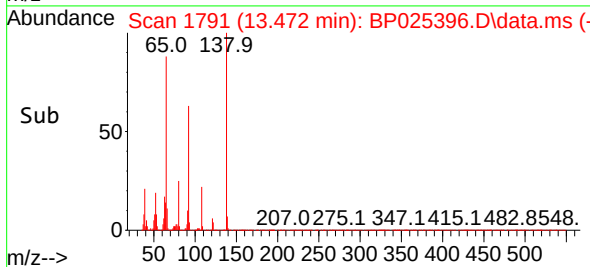
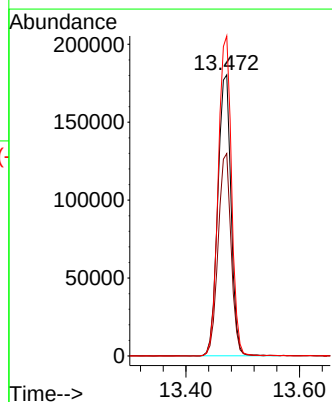
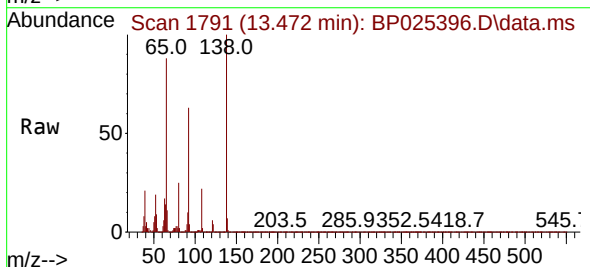
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

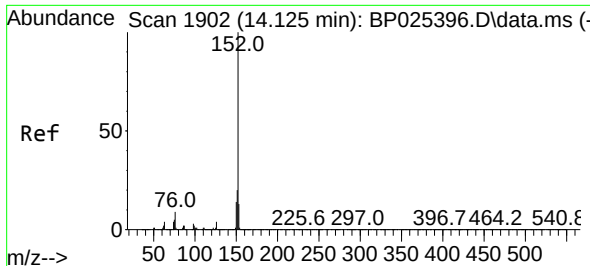
Tgt Ion:162 Resp: 970903
Ion Ratio Lower Upper
162 100
127 41.8 33.4 50.2
164 32.7 26.2 39.2



#48
2-Nitroaniline
Concen: 40.092 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 65 Resp: 291341
Ion Ratio Lower Upper
65 100
92 72.0 57.6 86.4
138 113.8 91.0 136.6

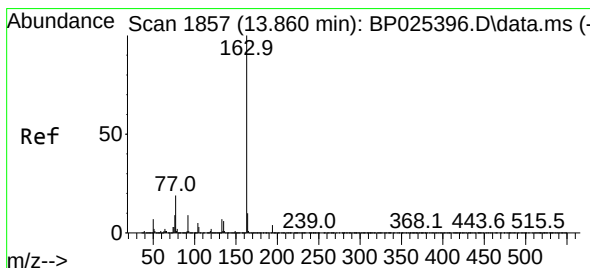
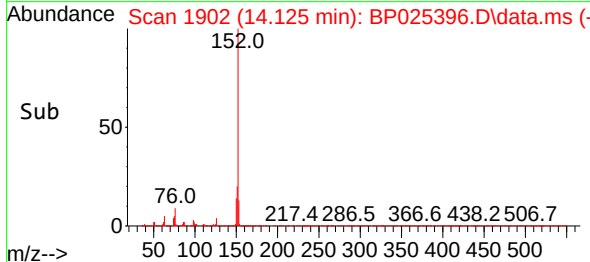
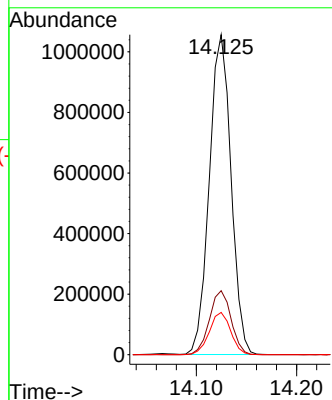
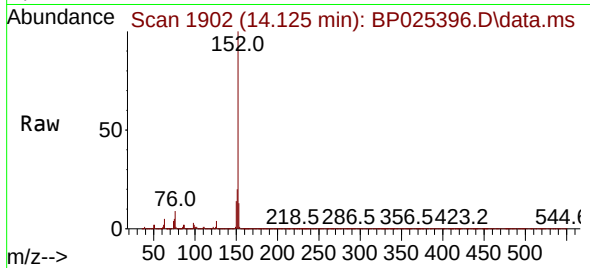




#49
Acenaphthylene
Concen: 38.617 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

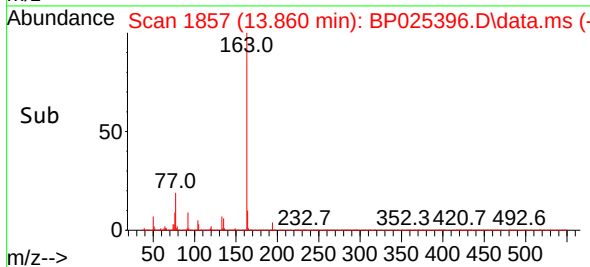
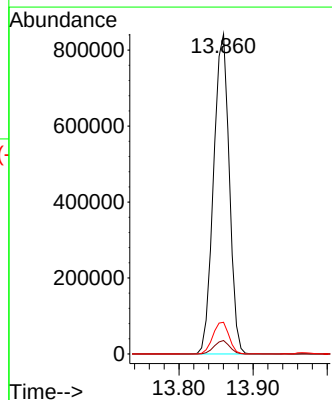
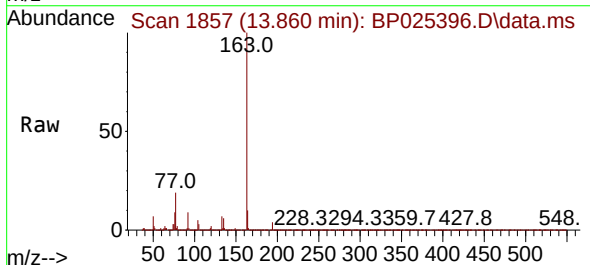
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

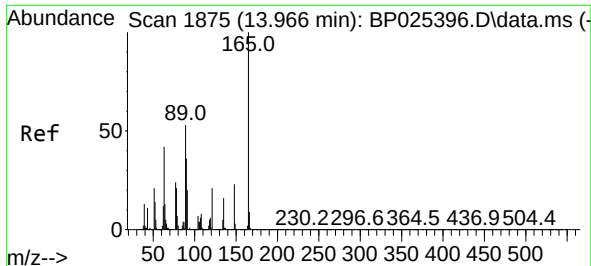
Tgt Ion:152 Resp: 1593636
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 38.316 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:163 Resp: 1237666
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.9 7.9 11.9

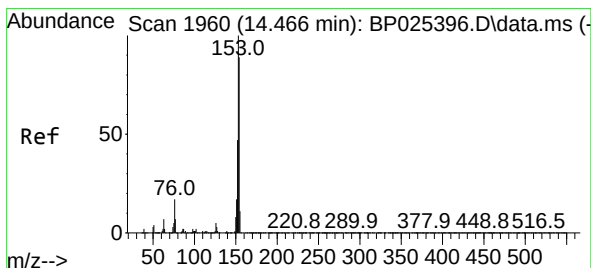
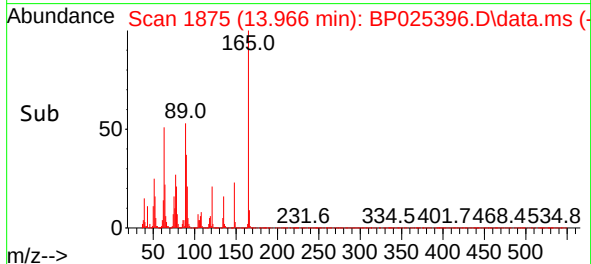
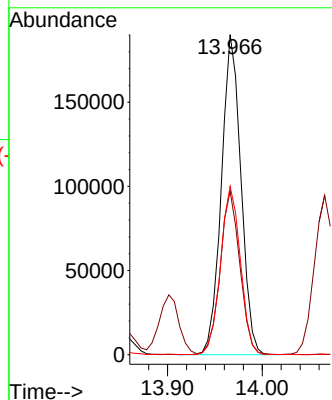
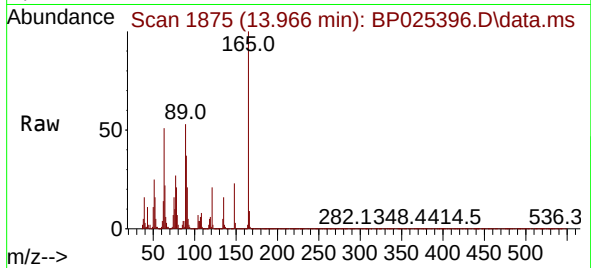




#51
2,6-Dinitrotoluene
Concen: 40.061 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

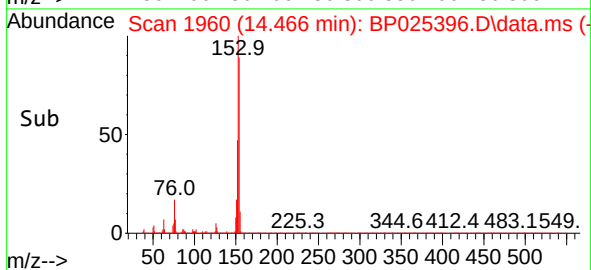
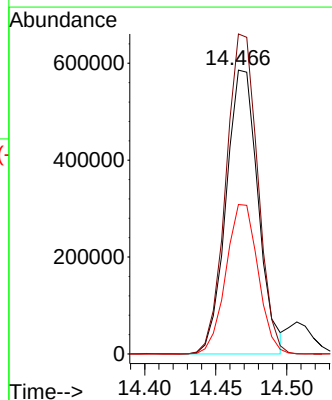
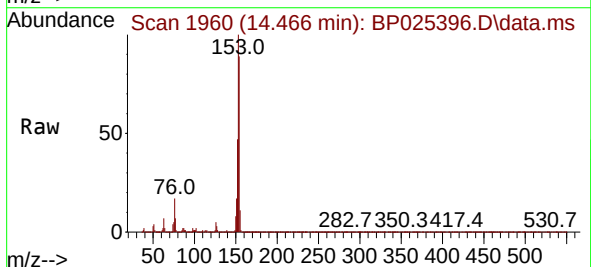
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

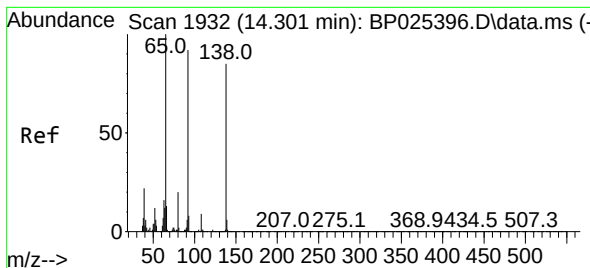
Tgt Ion:165 Resp: 272750
Ion Ratio Lower Upper
165 100
63 51.1 40.9 61.3
89 52.6 42.1 63.1



#52
Acenaphthene
Concen: 37.921 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 918569
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.2
152 52.6 42.1 63.1

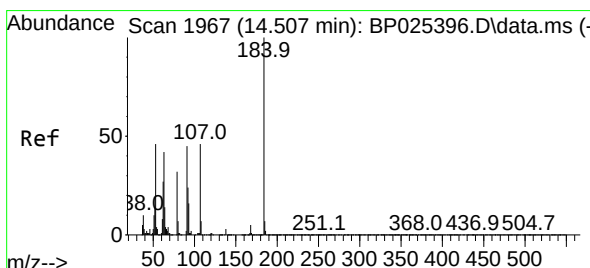
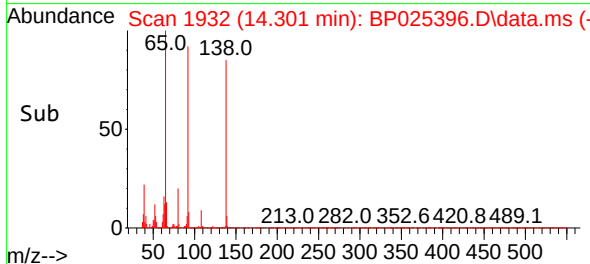
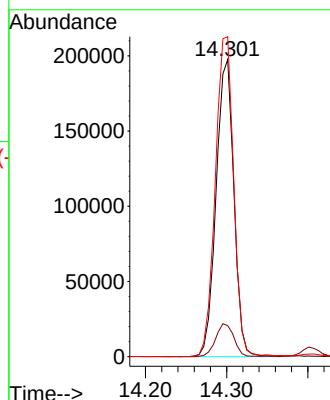
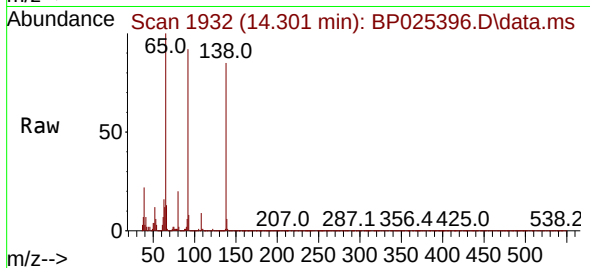




#53
3-Nitroaniline
Concen: 39.349 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

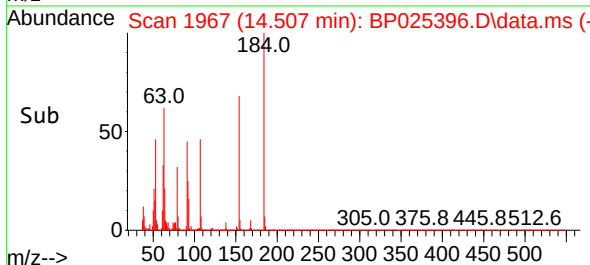
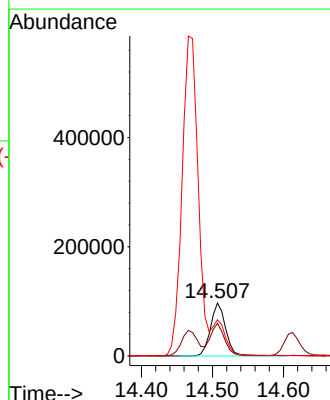
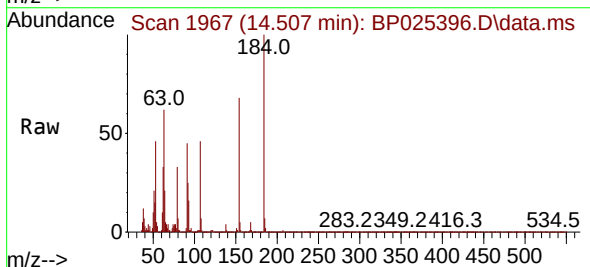
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

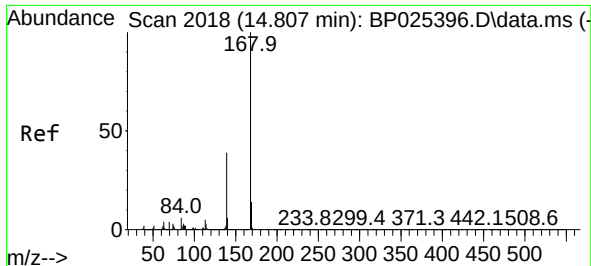
Tgt Ion:138 Resp: 301417
Ion Ratio Lower Upper
138 100
108 10.4 8.3 12.5
92 107.7 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 39.633 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:184 Resp: 144100
Ion Ratio Lower Upper
184 100
63 61.8 49.4 74.2
154 68.3 54.6 82.0

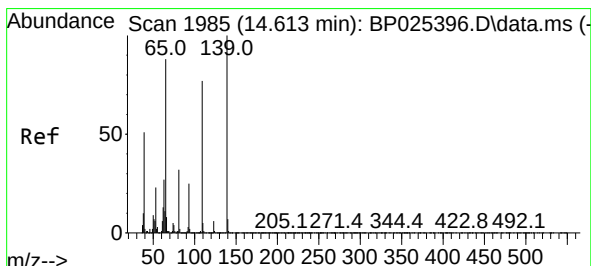
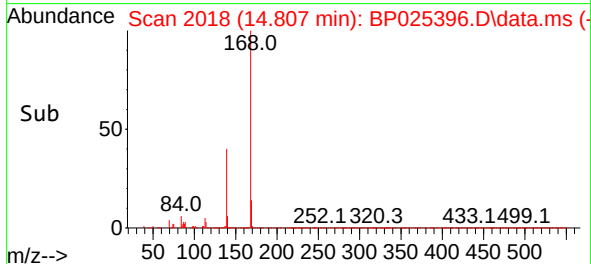
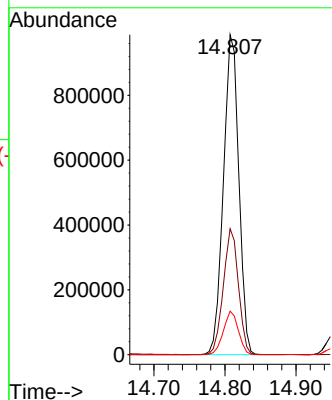
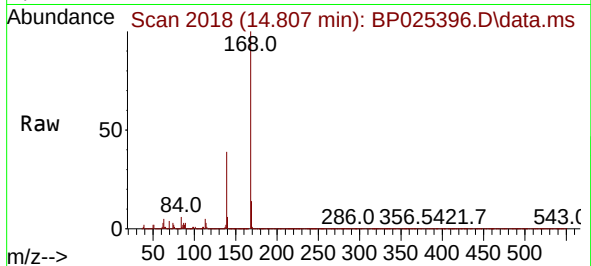




#55
Dibenzofuran
Concen: 38.624 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

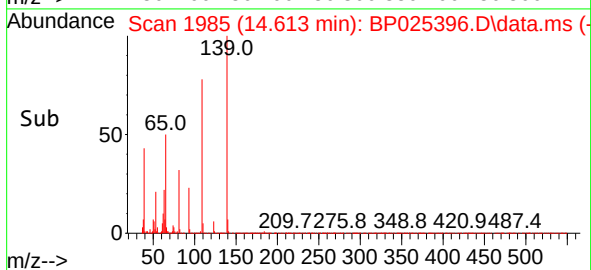
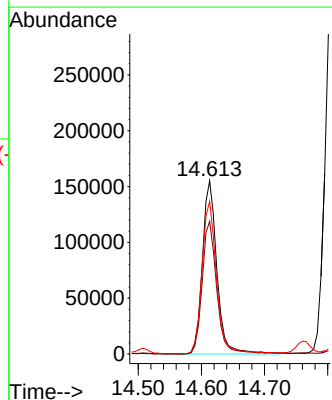
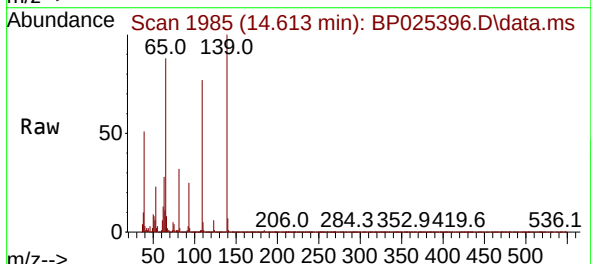
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

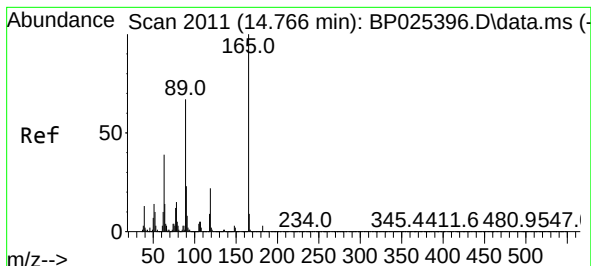
Tgt Ion:168 Resp: 1479220
Ion Ratio Lower Upper
168 100
139 39.4 31.5 47.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 39.168 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:139 Resp: 246542
Ion Ratio Lower Upper
139 100
109 76.6 56.6 96.6
65 88.2 68.2 108.2

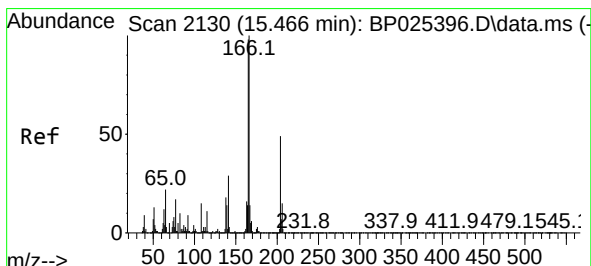
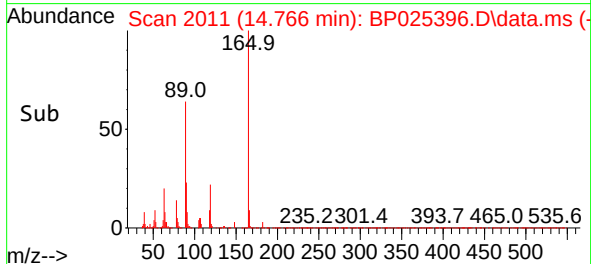
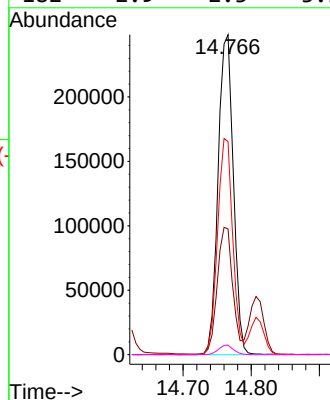
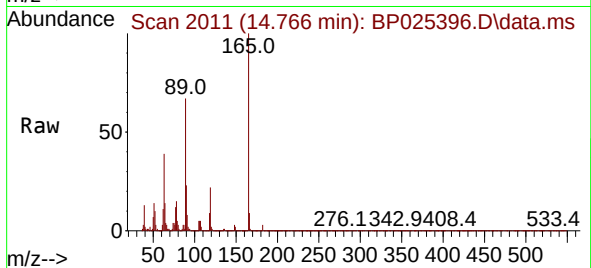




#57
2,4-Dinitrotoluene
Concen: 39.757 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

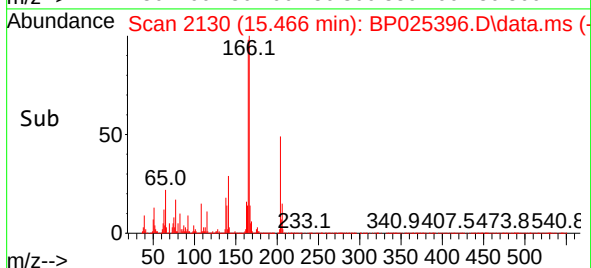
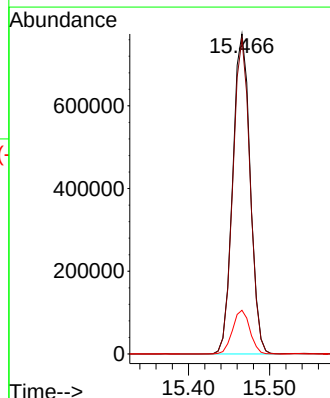
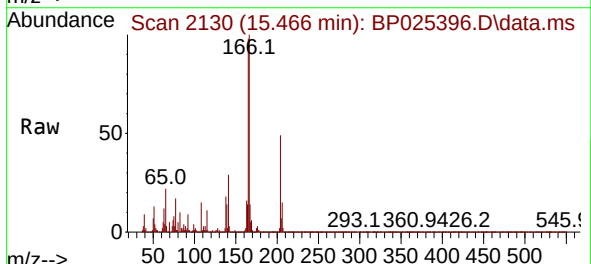
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

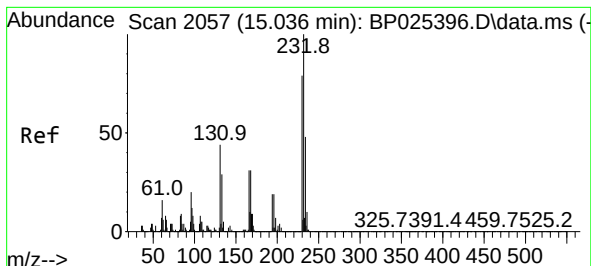
Tgt Ion:	165	Resp:	386189
Ion Ratio	Lower	Upper	
165	100		
63	39.3	31.4	47.2
89	66.6	53.3	79.9
182	2.9	2.3	3.5



#58
Fluorene
Concen: 38.115 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	166	Resp:	1151825
Ion Ratio	Lower	Upper	
166	100		
165	98.5	78.8	118.2
167	13.7	11.0	16.4



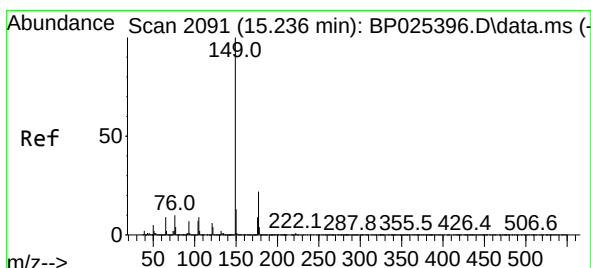
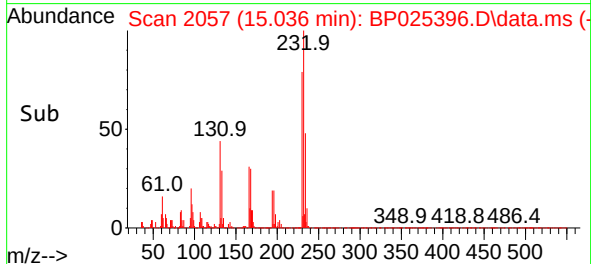
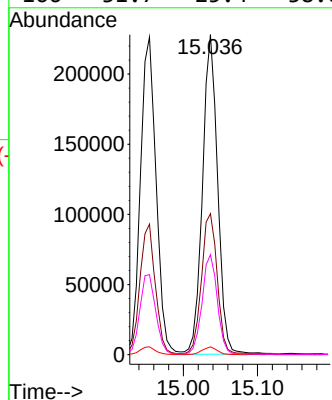
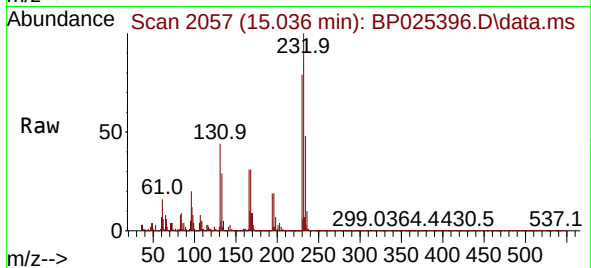


#59
2,3,4,6-Tetrachlorophenol
Concen: 38.975 ng
RT: 15.036 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 324396

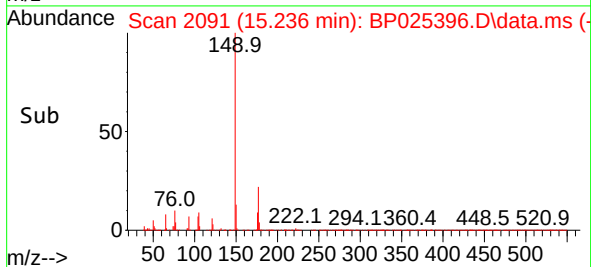
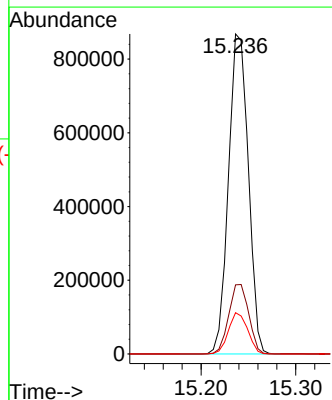
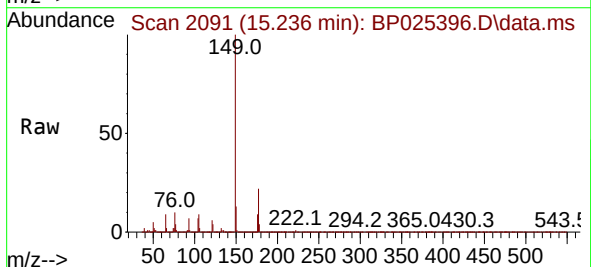
Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.0	55.6
130	2.4	1.9	2.9
166	31.7	25.4	38.0

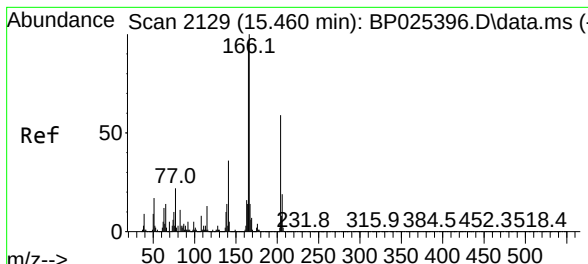


#60
Diethylphthalate
Concen: 38.533 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1264740

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.9	10.3	15.5



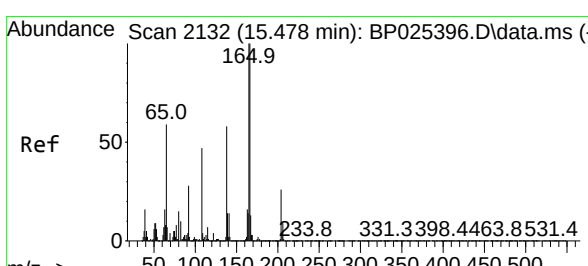
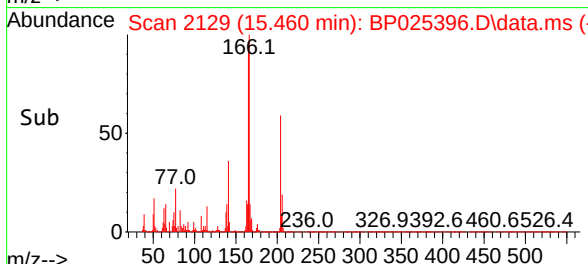
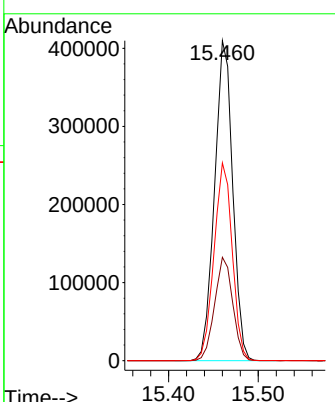
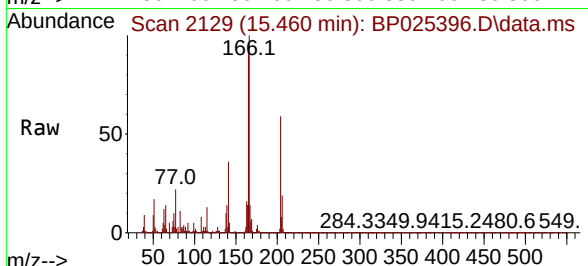


#61
 4-Chlorophenyl-phenylether
 Concen: 38.228 ng
 RT: 15.460 min Scan# 2129
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Tgt Ion: 204 Resp: 574546

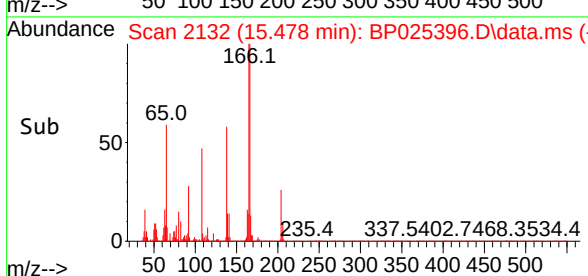
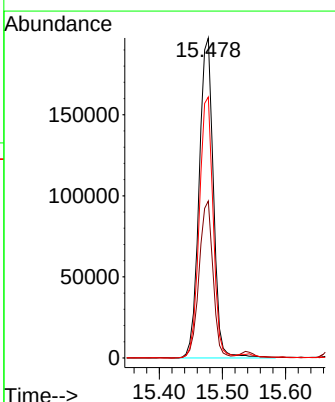
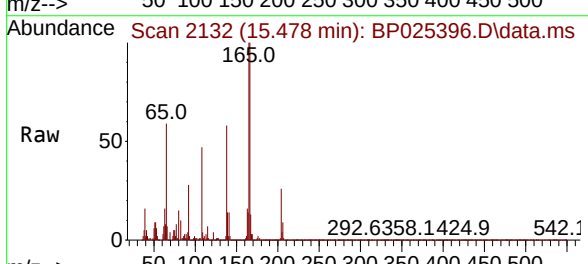
Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.8
141	61.8	49.4	74.2

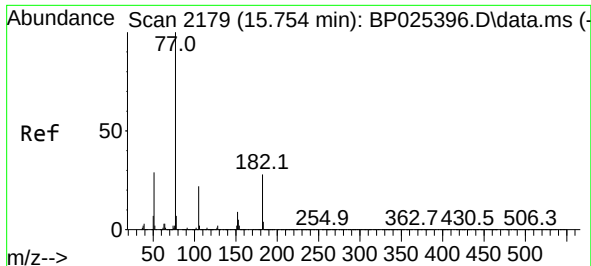


#62
 4-Nitroaniline
 Concen: 39.443 ng
 RT: 15.478 min Scan# 2132
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion: 138 Resp: 309740

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	81.5	61.5	101.5



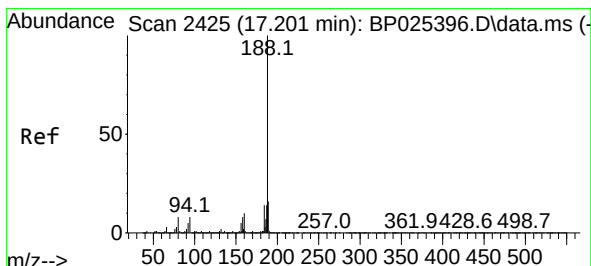
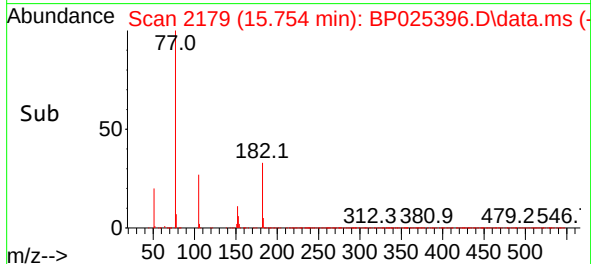
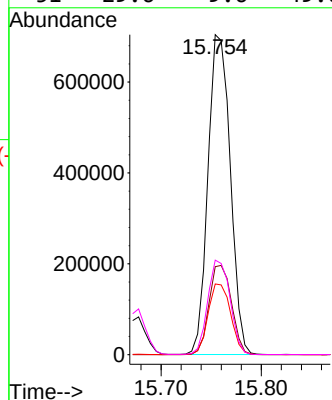
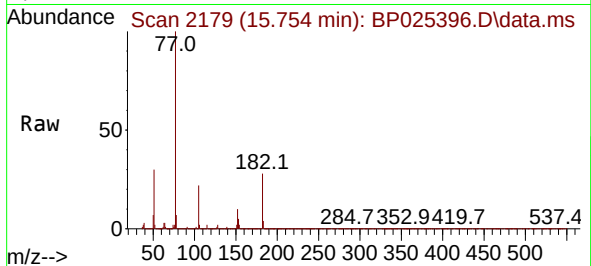


#63
Azobenzene
Concen: 38.820 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1091004

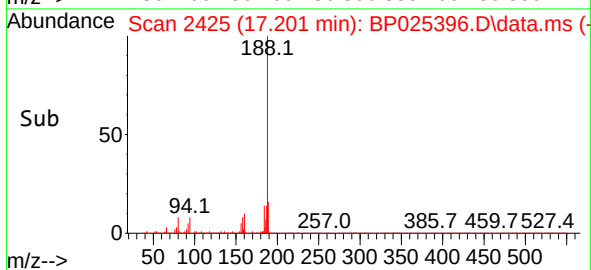
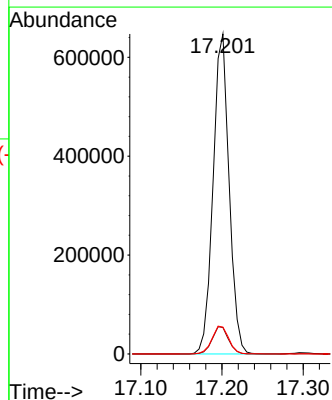
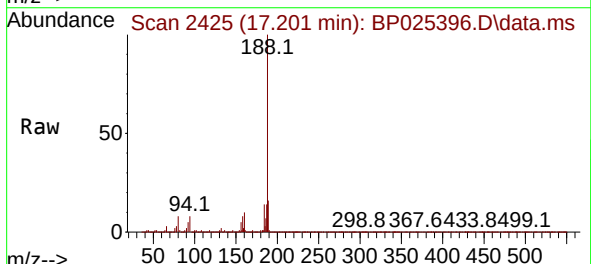
Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.5	47.5
105	22.1	2.1	42.1
51	29.6	9.6	49.6

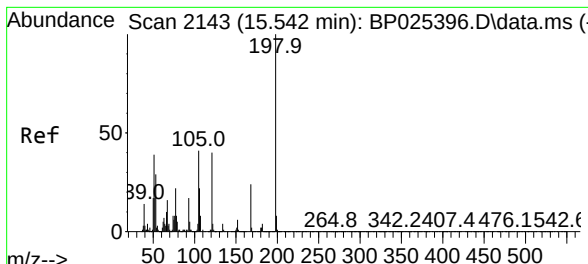


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 188 Resp: 884529

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.4	6.7	10.1

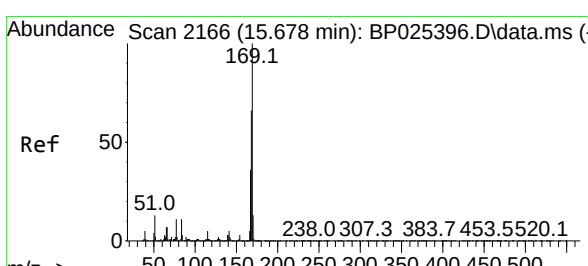
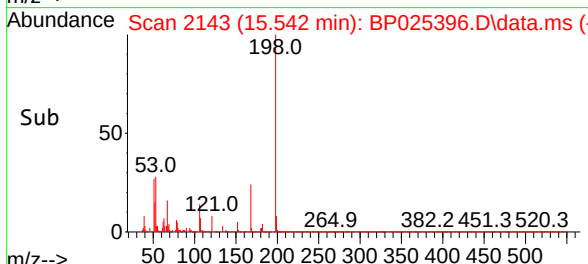
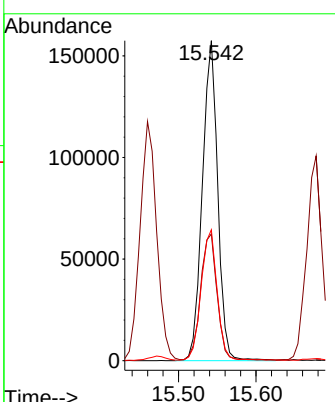
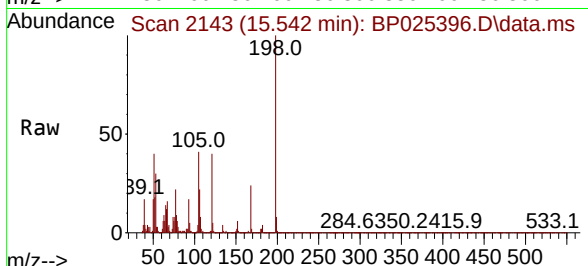




#65
 4,6-Dinitro-2-methylphenol
 Concen: 39.384 ng
 RT: 15.542 min Scan# 2143
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

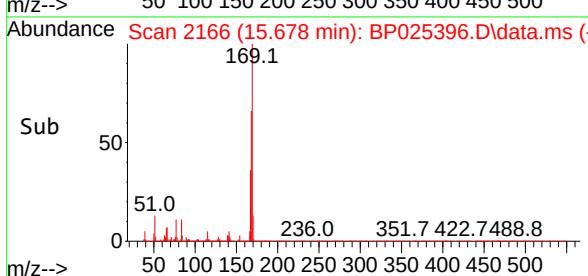
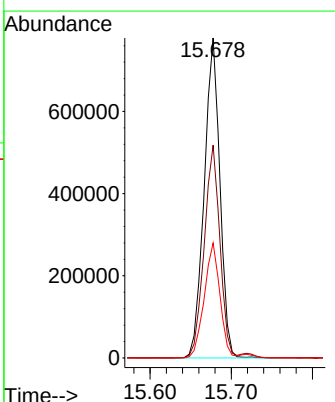
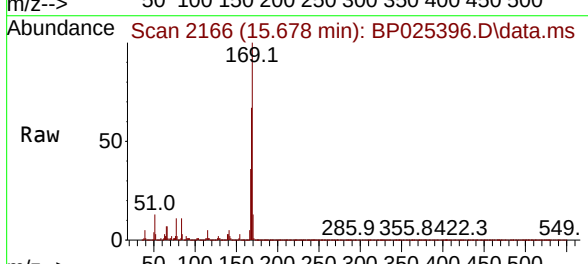
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

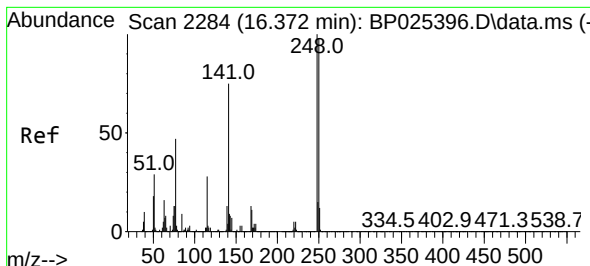
Tgt Ion:	198	Resp:	217153
Ion	Ratio	Lower	Upper
198	100		
51	39.6	19.6	59.6
105	40.9	20.9	60.9



#66
 n-Nitrosodiphenylamine
 Concen: 38.749 ng
 RT: 15.678 min Scan# 2166
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion:	169	Resp:	1045170
Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	35.9	28.7	43.1

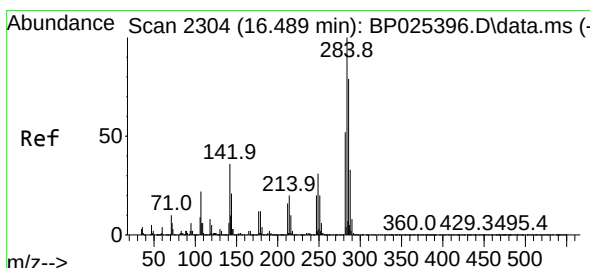
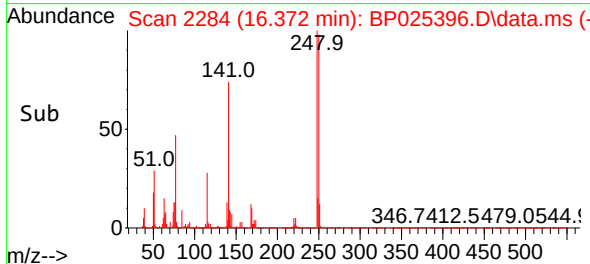
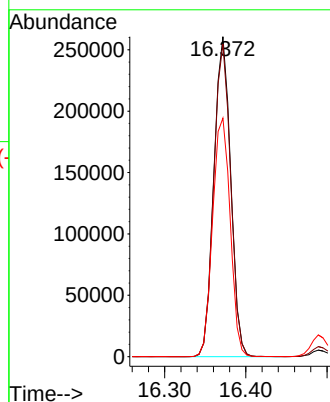
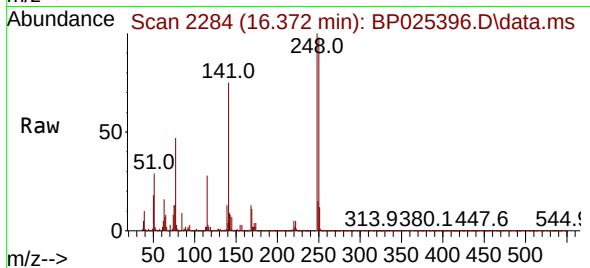




#67
4-Bromophenyl-phenylether
Concen: 38.739 ng
RT: 16.372 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

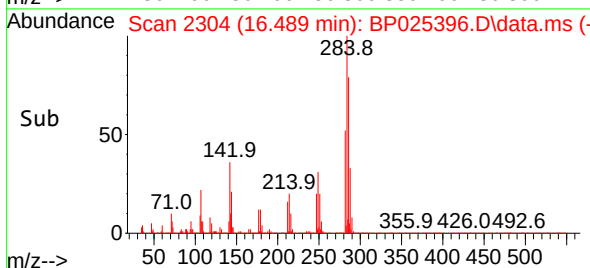
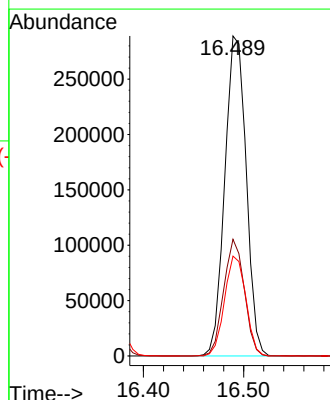
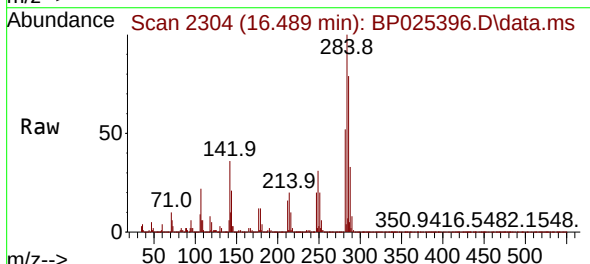
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

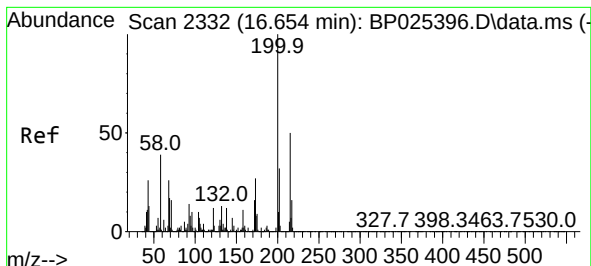
Tgt Ion:	248	Resp:	376864
Ion Ratio	Lower	Upper	
248	100		
250	97.7	78.2	117.2
141	74.5	59.6	89.4



#68
Hexachlorobenzene
Concen: 37.986 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	284	Resp:	428361
Ion Ratio	Lower	Upper	
284	100		
142	36.4	29.1	43.7
249	31.2	25.0	37.4





#69

Atrazine

Concen: 38.238 ng

RT: 16.654 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

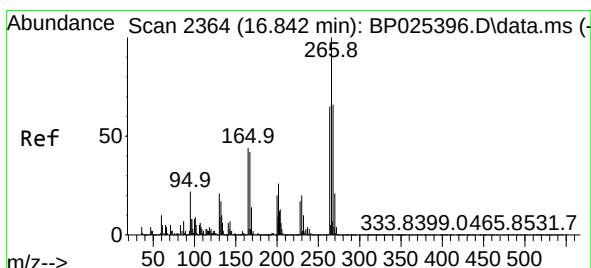
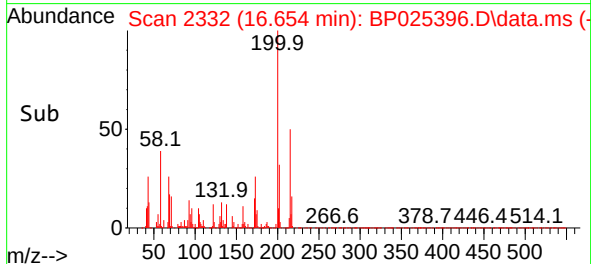
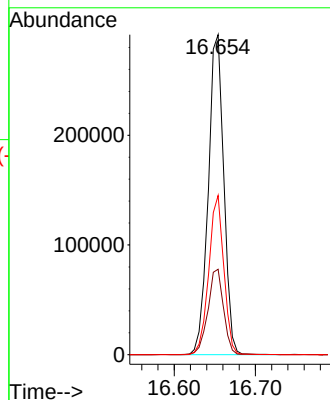
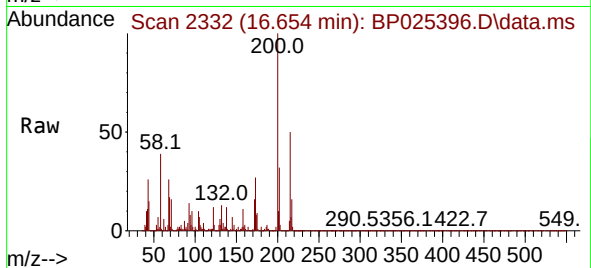
Tgt Ion:200 Resp: 386256

Ion Ratio Lower Upper

200 100

173 26.7 6.7 46.7

215 49.7 29.7 69.7



#70

Pentachlorophenol

Concen: 39.110 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

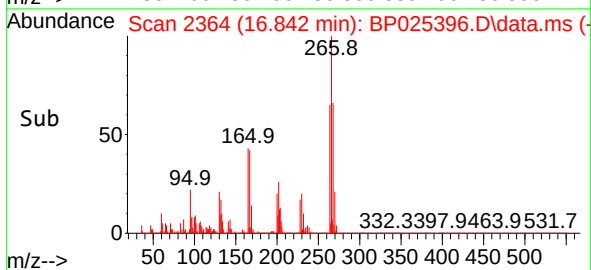
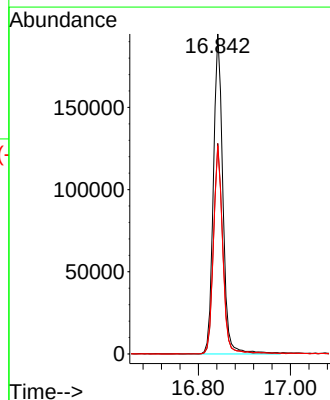
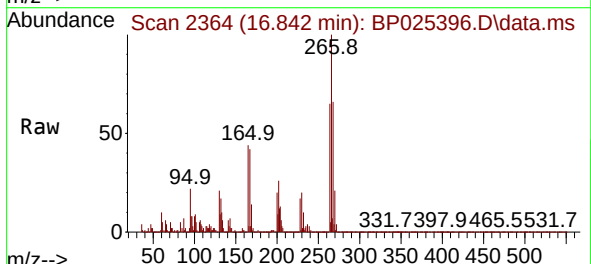
Tgt Ion:266 Resp: 278412

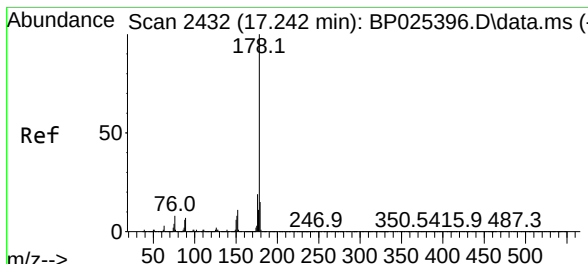
Ion Ratio Lower Upper

266 100

268 65.8 52.6 79.0

264 65.0 52.0 78.0



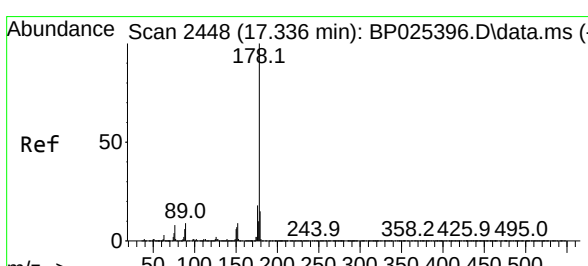
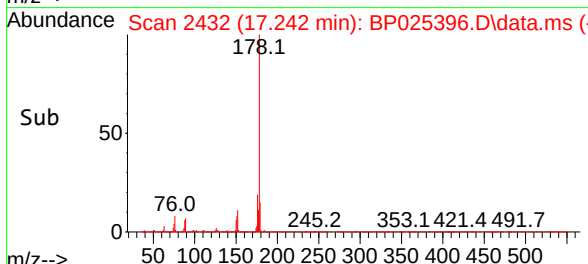
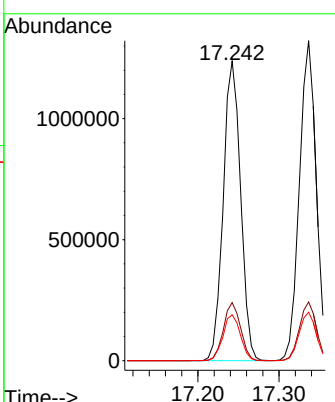
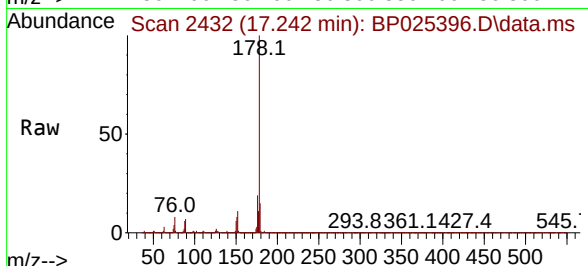


#71
 Phenanthrene
 Concen: 37.851 ng
 RT: 17.242 min Scan# 2432
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Tgt Ion:178 Resp: 1839191

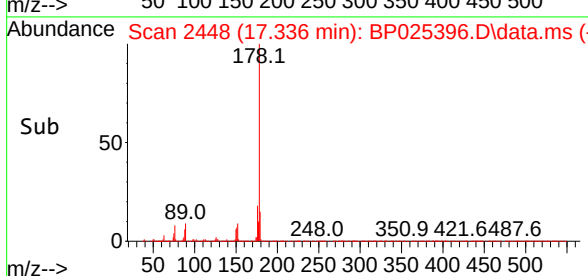
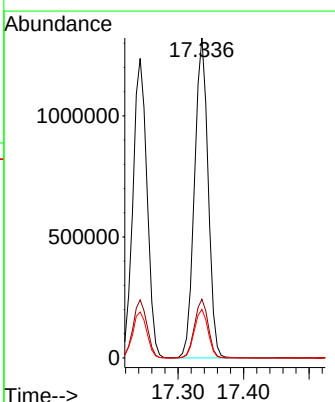
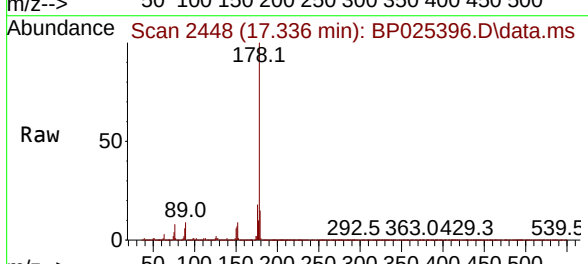
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4

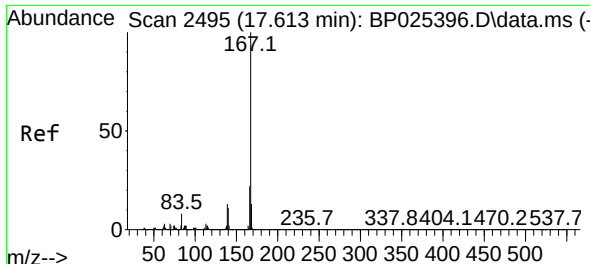


#72
 Anthracene
 Concen: 38.456 ng
 RT: 17.336 min Scan# 2448
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion:178 Resp: 1908189

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.2	12.2	18.2

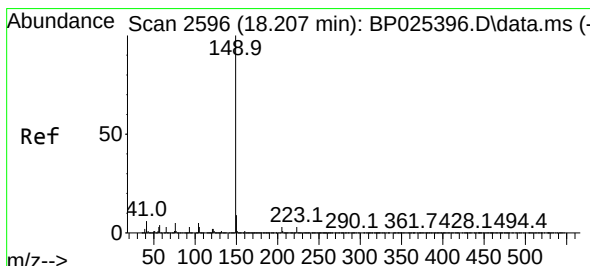
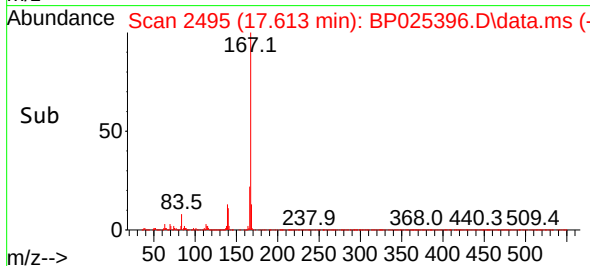
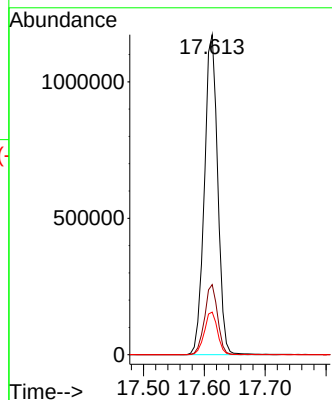
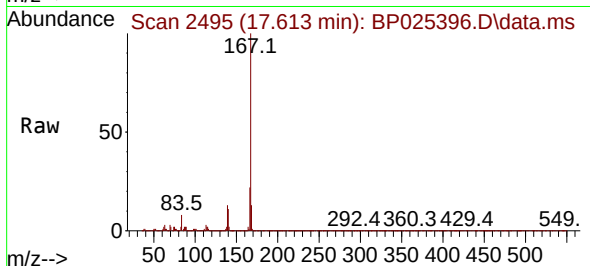




#73
 Carbazole
 Concen: 38.125 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

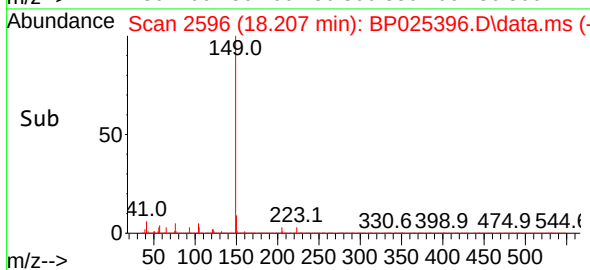
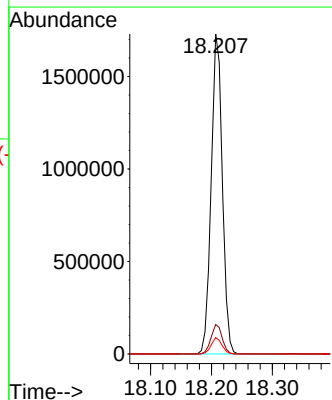
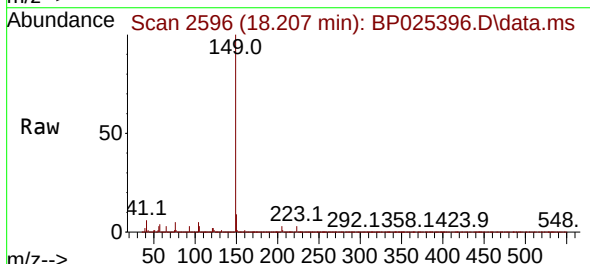
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

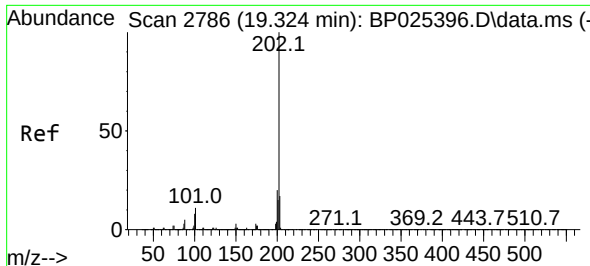
Tgt Ion:167 Resp: 1781890
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 13.3 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 38.277 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 2201043
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.2 4.2 6.2

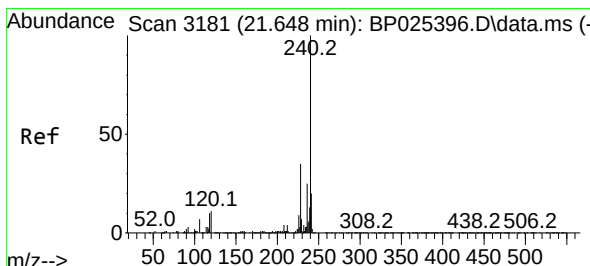
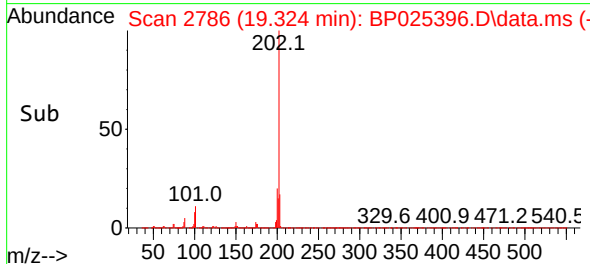
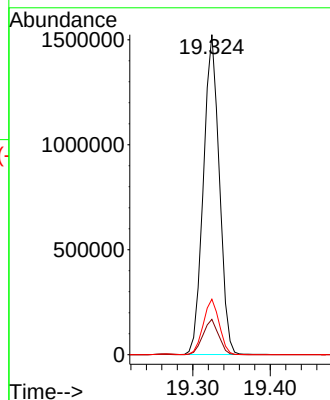
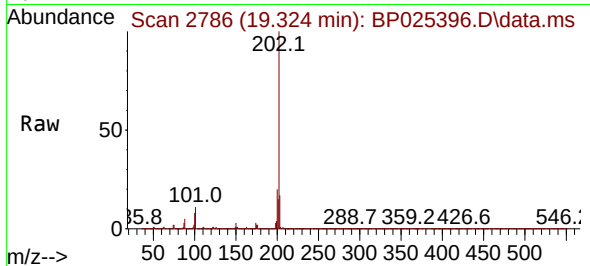




#75
Fluoranthene
Concen: 37.488 ng
RT: 19.324 min Scan# 2172758
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

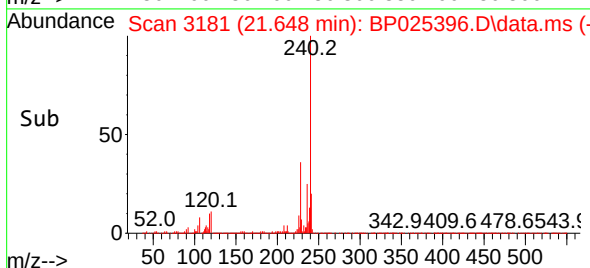
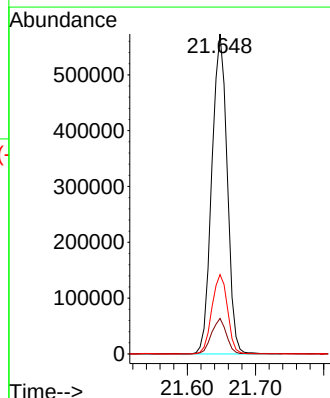
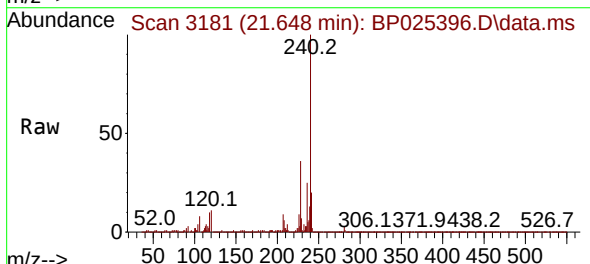
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

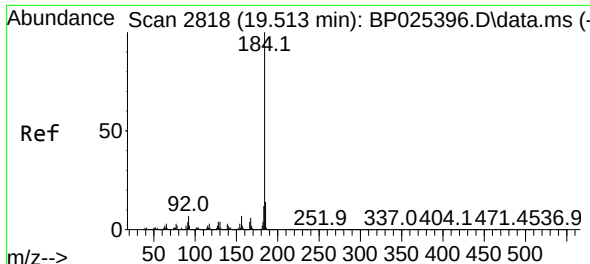
Tgt Ion:202 Resp: 2172758
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.1
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:240 Resp: 899207
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 24.8 19.8 29.8

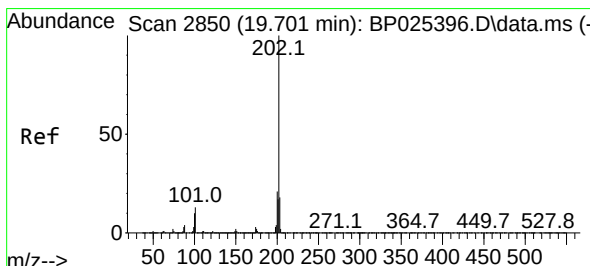
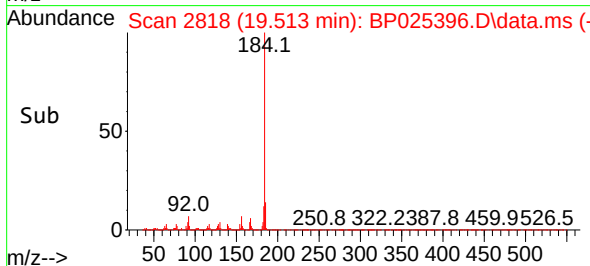
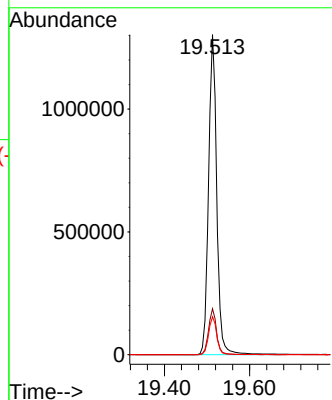
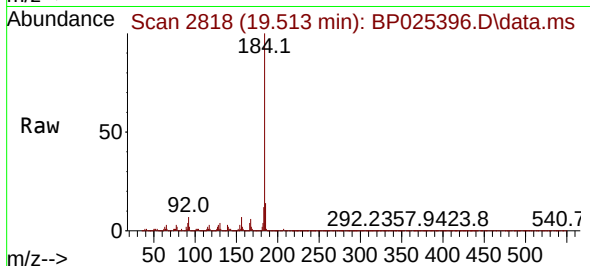




#77
Benzidine
Concen: 56.665 ng
RT: 19.513 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

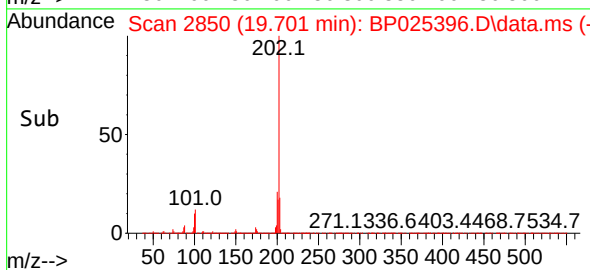
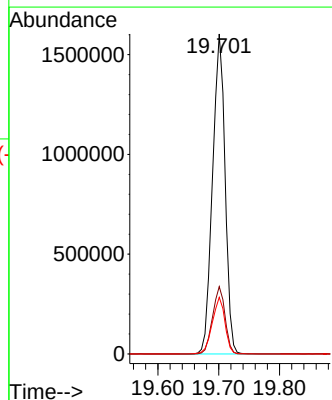
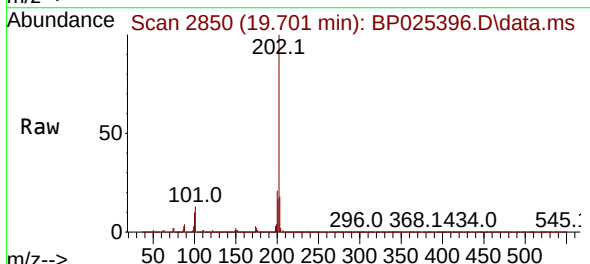
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

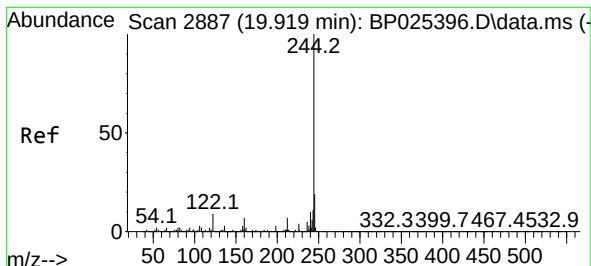
Tgt Ion:184 Resp: 1738926
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.8 9.4 14.2



#78
Pyrene
Concen: 39.189 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:202 Resp: 2290461
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 76.508 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

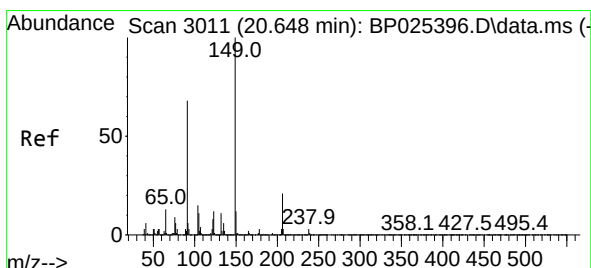
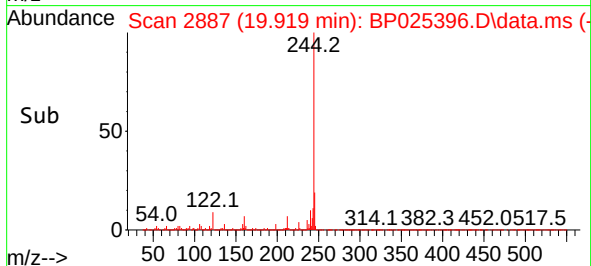
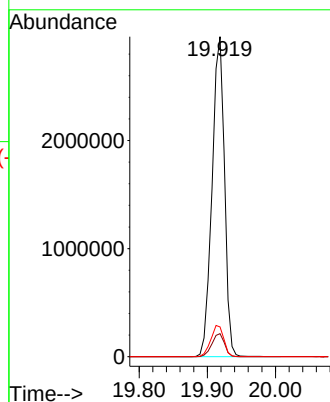
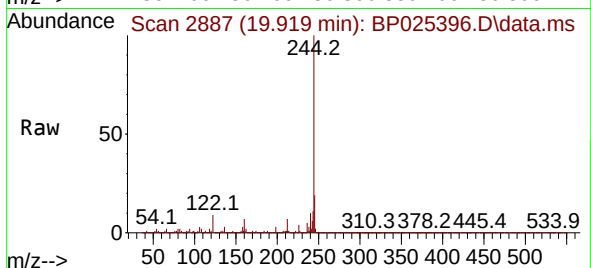
BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 3760236

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.3	7.4	11.2



#80

Butylbenzylphthalate

Concen: 39.338 ng

RT: 20.648 min Scan# 3011

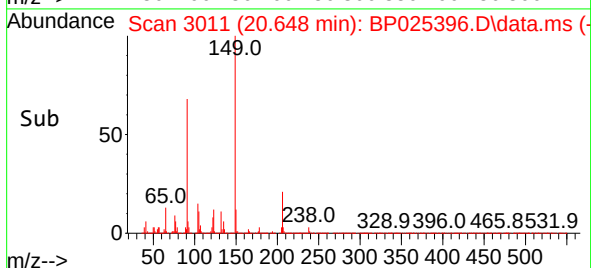
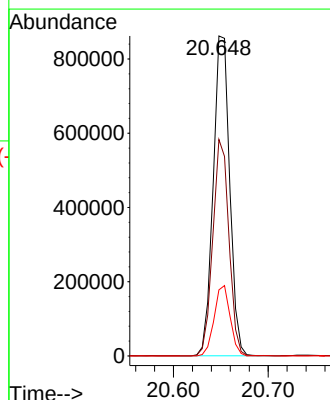
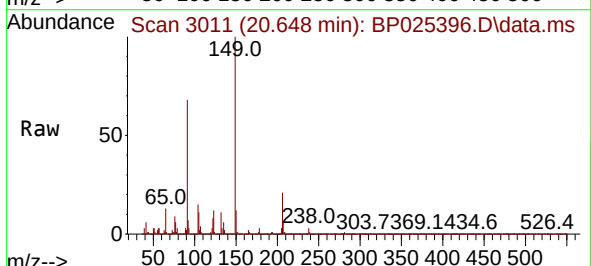
Delta R.T. 0.000 min

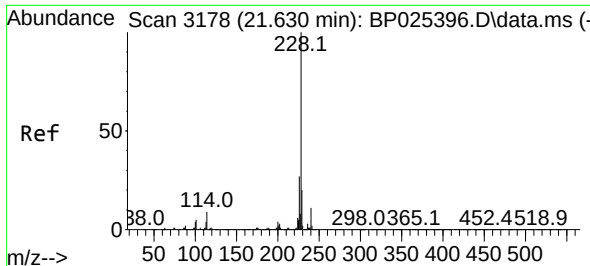
Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1041998

Ion	Ratio	Lower	Upper
149	100		
91	67.7	54.2	81.2
206	20.7	16.6	24.8

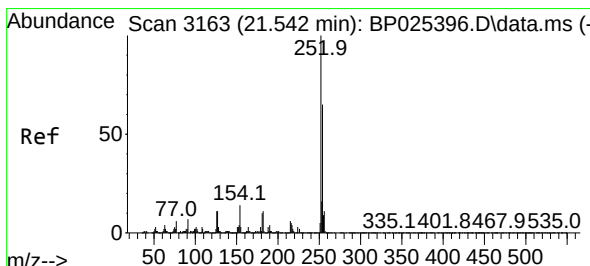
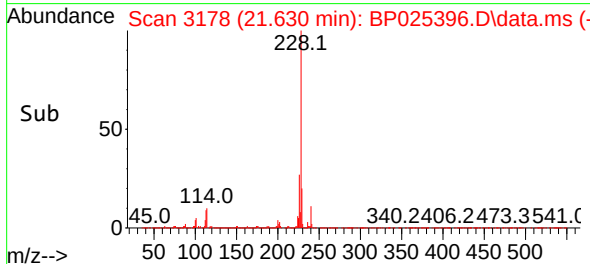
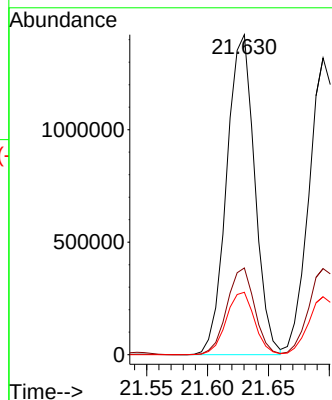
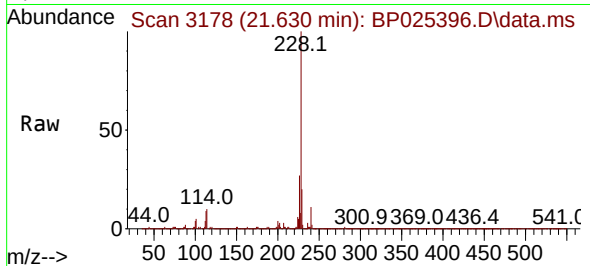




#81
Benzo(a)anthracene
Concen: 38.460 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

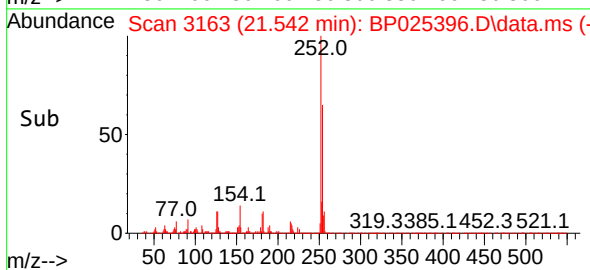
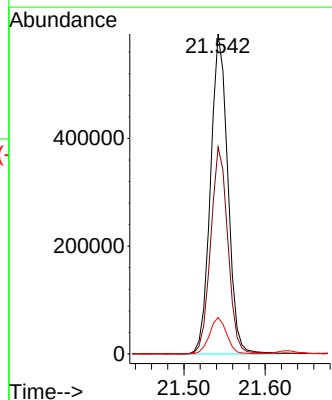
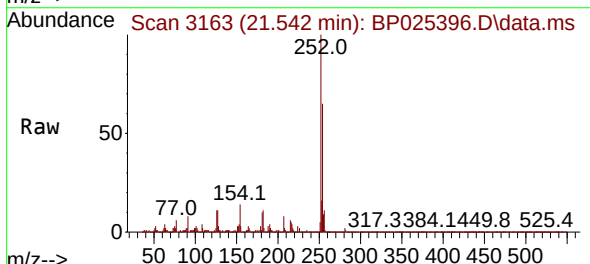
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

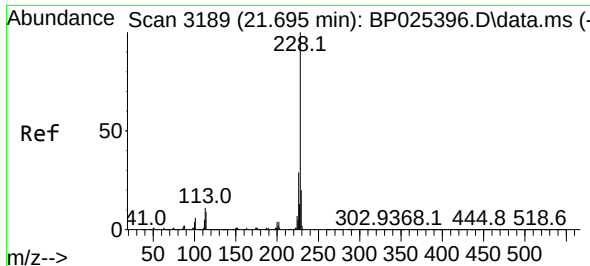
Tgt Ion:228 Resp: 2280774
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.5 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 39.266 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 877708
Ion Ratio Lower Upper
252 100
254 64.7 51.8 77.6
126 11.4 9.1 13.7

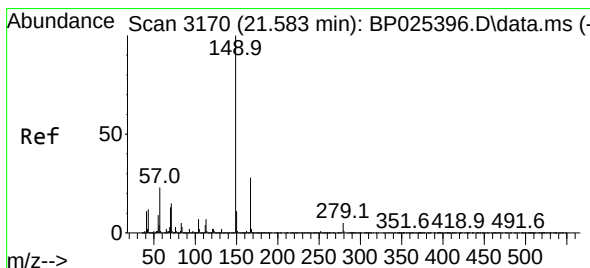
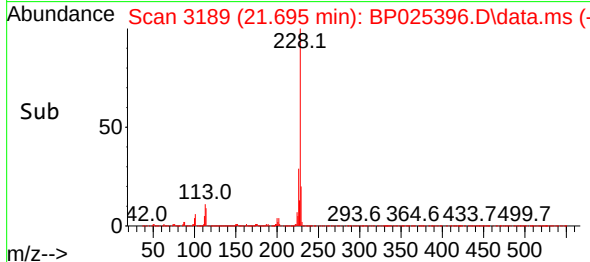
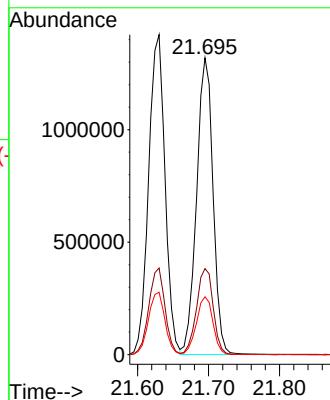
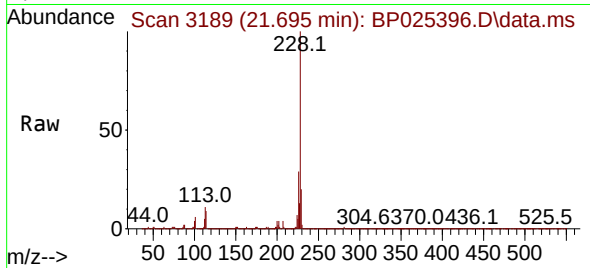




#83
Chrysene
Concen: 38.278 ng
RT: 21.695 min Scan# 3189
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

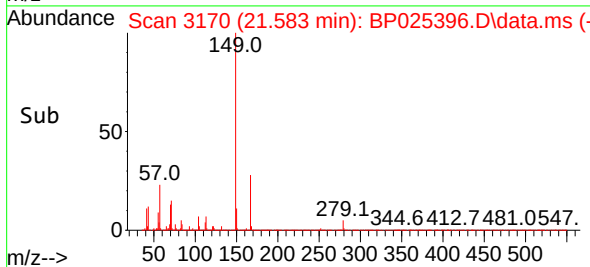
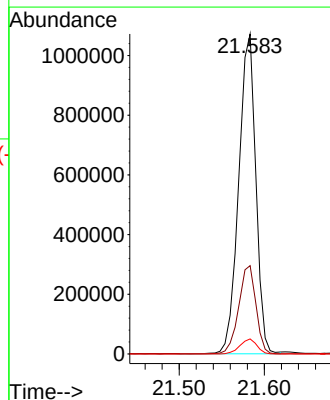
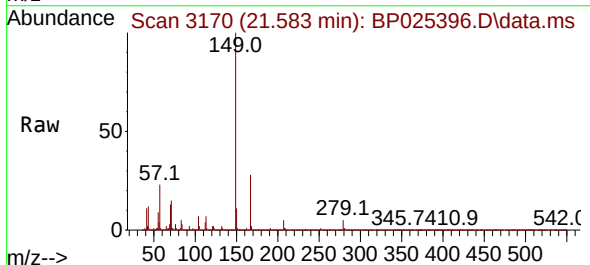
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

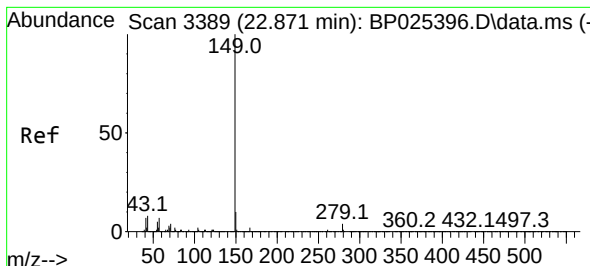
Tgt Ion:228 Resp: 2125866
Ion Ratio Lower Upper
228 100
226 29.0 23.2 34.8
229 19.5 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 38.310 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1493804
Ion Ratio Lower Upper
149 100
167 27.6 22.1 33.1
279 4.7 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 38.730 ng

RT: 22.871 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

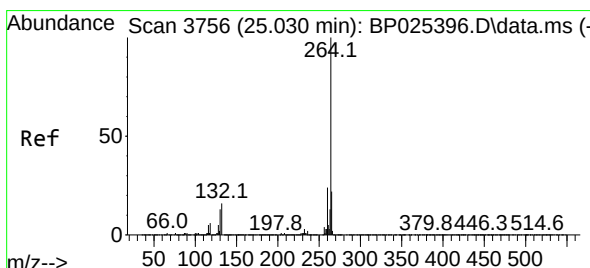
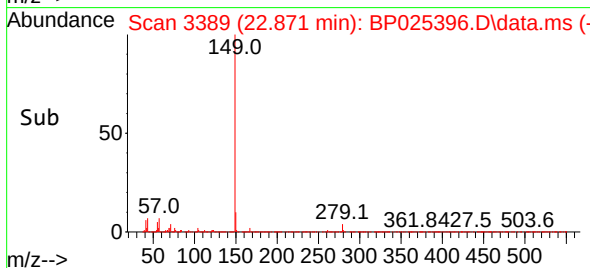
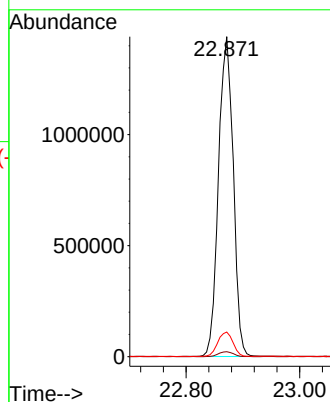
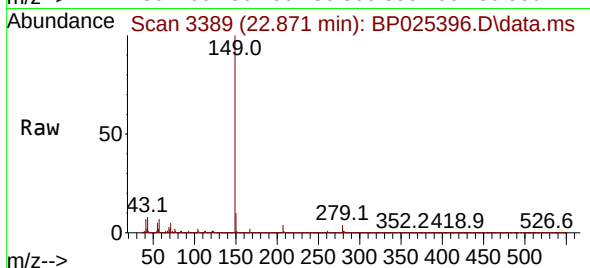
ClientSampleId :

SSTDICCC040

Tgt Ion:149 Resp: 2597558

Ion Ratio Lower Upper

149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.030 min Scan# 3756

Delta R.T. 0.000 min

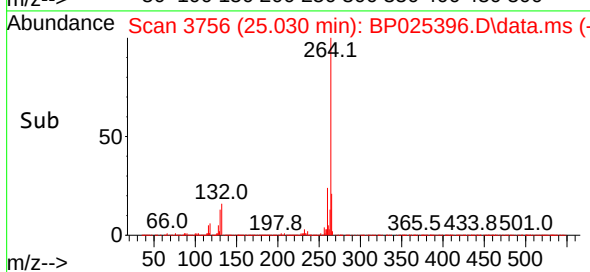
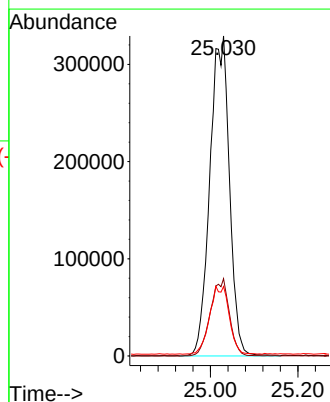
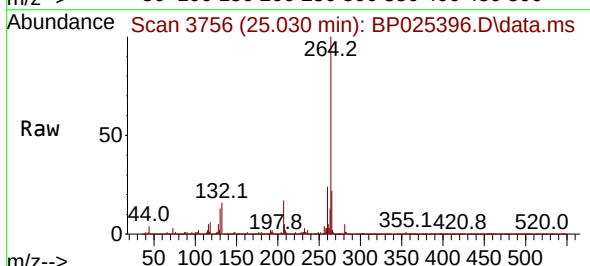
Lab File: BP025396.D

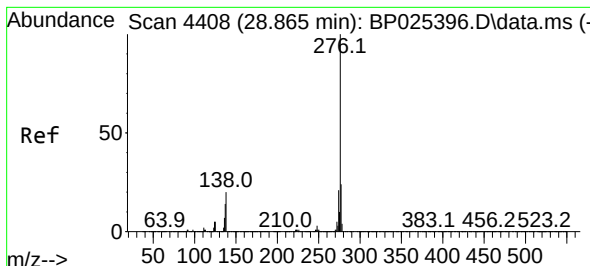
Acq: 14 Aug 2025 15:19

Tgt Ion:264 Resp: 1022138

Ion Ratio Lower Upper

264	100		
260	24.1	19.3	28.9
265	21.7	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.216 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

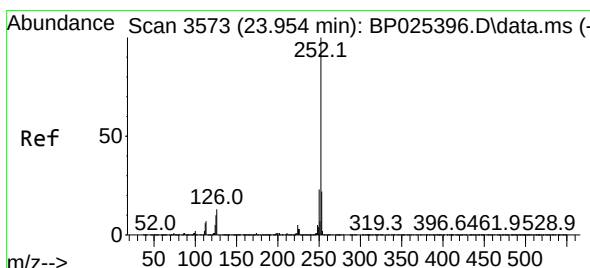
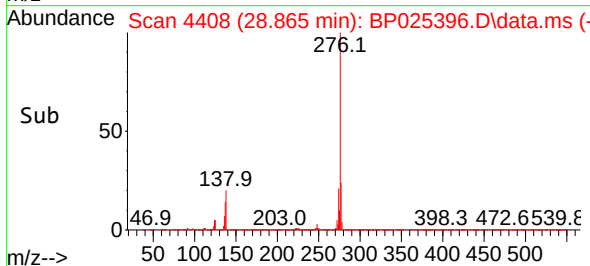
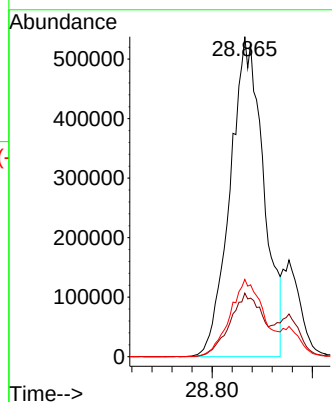
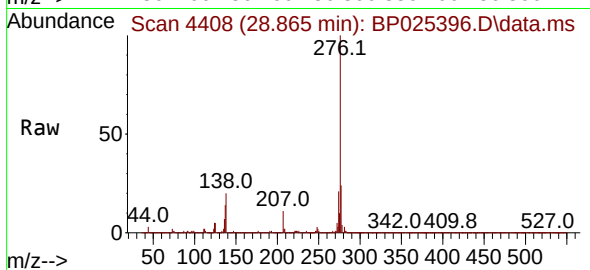
Tgt Ion:276 Resp: 2490737

Ion Ratio Lower Upper

276 100

138 18.7 12.9 19.3

277 24.7 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 38.462 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

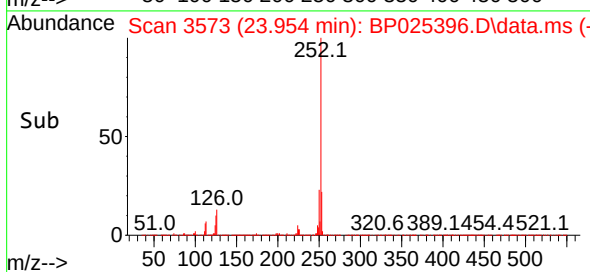
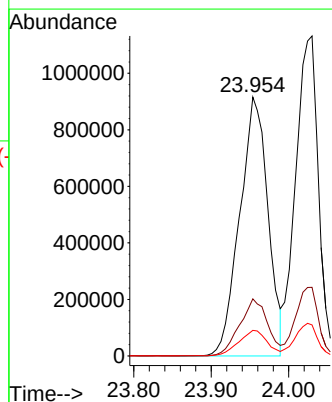
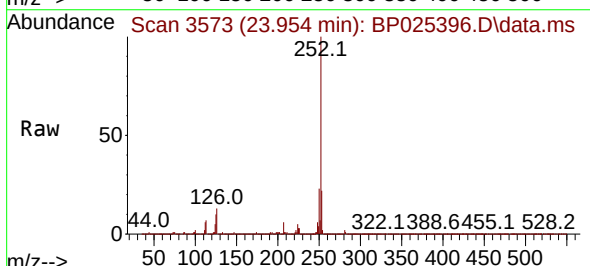
Tgt Ion:252 Resp: 2318198

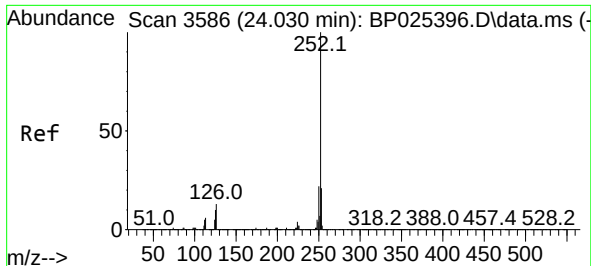
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.9 7.9 11.9

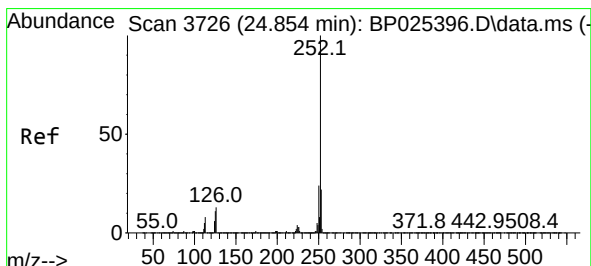
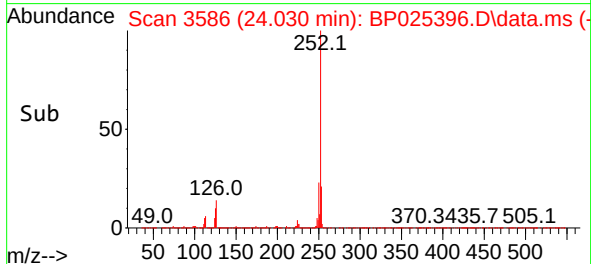
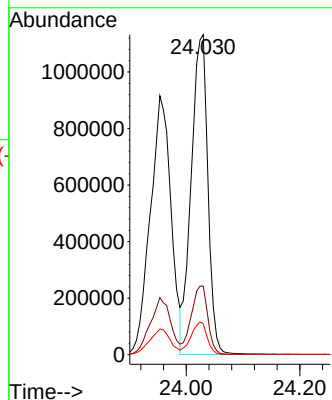
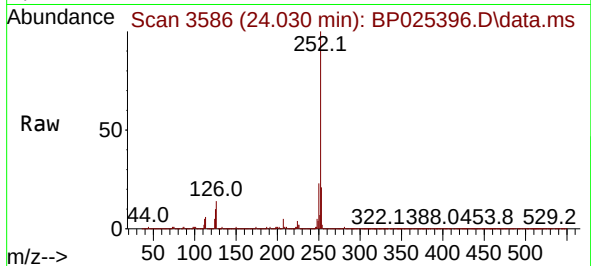




#89
Benzo(k)fluoranthene
Concen: 38.285 ng
RT: 24.030 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

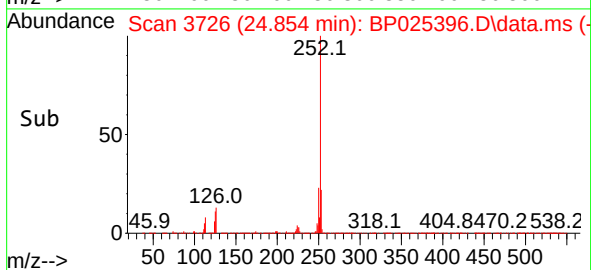
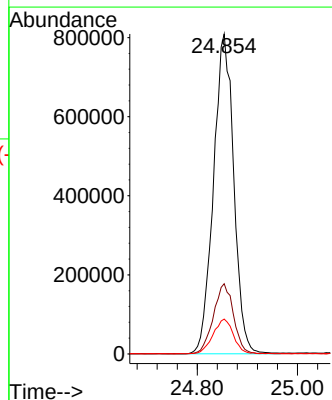
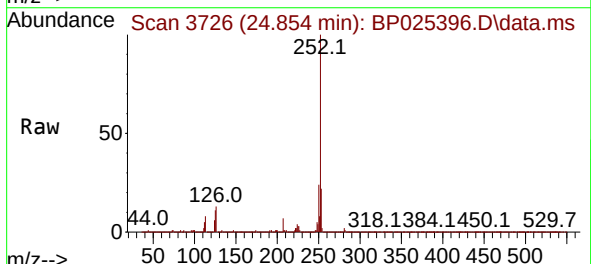
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

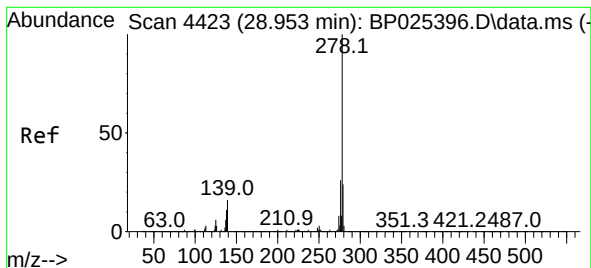
Tgt Ion:252 Resp: 2309091
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 9.7 7.8 11.6



#90
Benzo(a)pyrene
Concen: 38.620 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 2265862
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.9 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 38.589 ng

RT: 28.953 min Scan# 4423

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

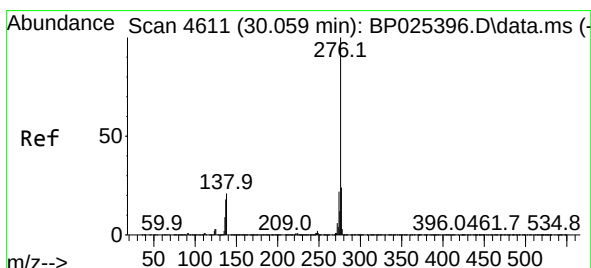
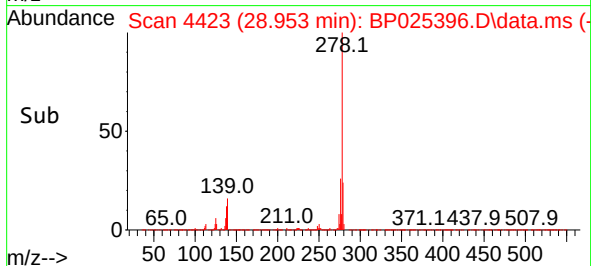
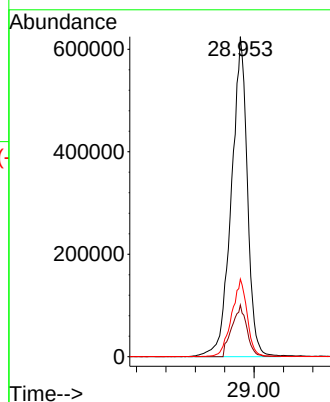
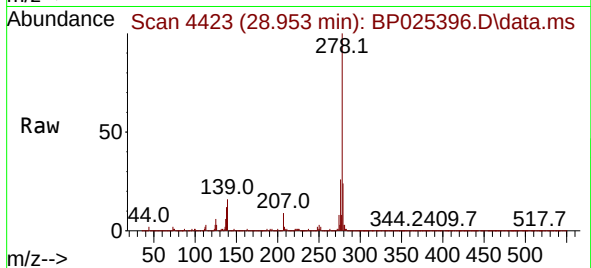
Tgt Ion:278 Resp: 2363840

Ion Ratio Lower Upper

278 100

139 16.2 13.0 19.4

279 24.3 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 38.654 ng

RT: 30.059 min Scan# 4611

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

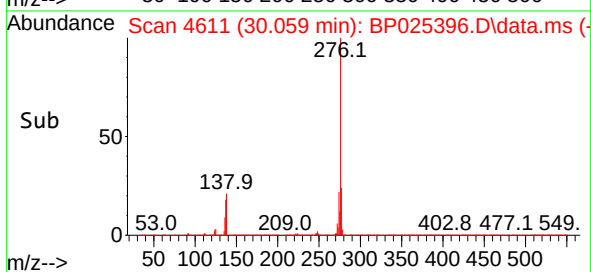
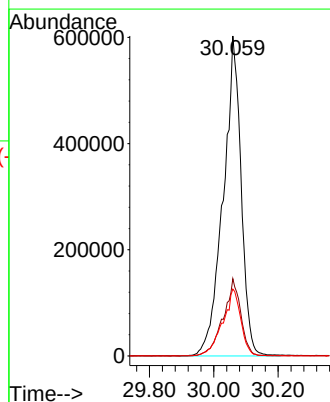
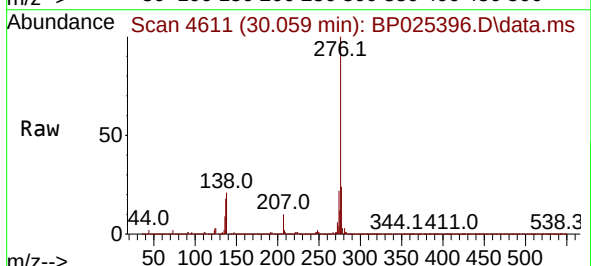
Tgt Ion:276 Resp: 2327292

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 20.9 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025397.D
 Acq On : 14 Aug 2025 16:01
 Operator : CG/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 14 17:57:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137945	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	573916	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	376731	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	753705	20.000	ng	0.00
76) Chrysene-d12	21.648	240	801742	20.000	ng	0.00
86) Perylene-d12	25.036	264	918939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	855256	102.963	ng	0.00
7) Phenol-d6	6.966	99	1131869	106.283	ng	0.00
23) Nitrobenzene-d5	8.937	82	1201601	105.910	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	539295	106.352	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2856639	103.632	ng	0.00
79) Terphenyl-d14	19.925	244	4409094	100.615	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	165184	50.769	ng	98
3) Pyridine	3.725	79	454022	50.983	ng	97
4) n-Nitrosodimethylamine	3.631	42	192837	52.524	ng	99
6) Aniline	7.125	93	756782	52.743	ng	100
8) 2-Chlorophenol	7.366	128	492570	52.550	ng	99
9) Benzaldehyde	6.943	77	435174	58.325	ng	97
10) Phenol	6.996	94	588764	52.687	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	455697	52.320	ng	99
12) 1,3-Dichlorobenzene	7.684	146	536261	51.884	ng	99
13) 1,4-Dichlorobenzene	7.825	146	550541	52.113	ng	99
14) 1,2-Dichlorobenzene	8.143	146	528750	51.705	ng	99
15) Benzyl Alcohol	8.025	79	443889	52.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	603716	51.742	ng	99
17) 2-Methylphenol	8.225	107	412974	53.211	ng	98
18) Hexachloroethane	8.866	117	202672	52.178	ng	96
19) n-Nitroso-di-n-propyla...	8.590	70	363151	51.419	ng	98
20) 3+4-Methylphenols	8.549	107	565208	52.538	ng	99
22) Acetophenone	8.602	105	750308	52.131	ng	100
24) Nitrobenzene	8.978	77	537647	53.024	ng	98
25) Isophorone	9.502	82	1047736	52.182	ng	99
26) 2-Nitrophenol	9.678	139	282682	54.323	ng	98
27) 2,4-Dimethylphenol	9.737	122	481502	53.806	ng	97
28) bis(2-Chloroethoxy)met...	9.972	93	630027	51.909	ng	99
29) 2,4-Dichlorophenol	10.213	162	475406	53.478	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	507724	52.101	ng	99
31) Naphthalene	10.607	128	1560240	52.305	ng	100
32) Benzoic acid	9.884	122	357706	54.274	ng	96
33) 4-Chloroaniline	10.713	127	705562	53.548	ng	99
34) Hexachlorobutadiene	10.902	225	312163	51.436	ng	98
35) Caprolactam	11.502	113	172663	52.969	ng	94
36) 4-Chloro-3-methylphenol	11.843	107	534583	52.407	ng	100
37) 2-Methylnaphthalene	12.219	142	1003813	51.710	ng	99
38) 1-Methylnaphthalene	12.443	142	1076949	52.167	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	574152	52.769	ng	99
41) Hexachlorocyclopentadiene	12.572	237	364047	55.392	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	396440	53.971	ng	99

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 Data File : BP025397.D
 Acq On : 14 Aug 2025 16:01
 Operator : CG/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

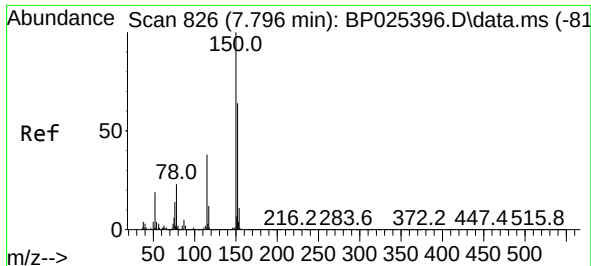
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 14 17:57:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	430061	53.421	ng	99
46) 1,1'-Biphenyl	13.231	154	1447968	52.922	ng	99
47) 2-Chloronaphthalene	13.272	162	1114922	52.344	ng	99
48) 2-Nitroaniline	13.472	65	338939	54.613	ng	98
49) Acenaphthylene	14.125	152	1875998	53.227	ng	100
50) Dimethylphthalate	13.860	163	1424127	51.622	ng	100
51) 2,6-Dinitrotoluene	13.966	165	312149	53.683	ng	97
52) Acenaphthene	14.472	154	1087721	52.577	ng	98
53) 3-Nitroaniline	14.301	138	362030	55.339	ng	99
54) 2,4-Dinitrophenol	14.507	184	175453	56.503	ng	98
55) Dibenzofuran	14.813	168	1705630	52.147	ng	99
56) 4-Nitrophenol	14.619	139	296227	55.103	ng	98
57) 2,4-Dinitrotoluene	14.766	165	450923	54.354	ng	97
58) Fluorene	15.466	166	1332448	51.627	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.043	232	378743	53.281	ng	99
60) Diethylphthalate	15.243	149	1450033	51.728	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	650101	50.647	ng	99
62) 4-Nitroaniline	15.478	138	364030	54.278	ng	99
63) Azobenzene	15.760	77	1262576	52.602	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	262126	55.792	ng	98
66) n-Nitrosodiphenylamine	15.678	169	1195077	51.997	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	433740	52.325	ng	99
68) Hexachlorobenzene	16.495	284	497906	51.816	ng	97
69) Atrazine	16.654	200	451704	52.479	ng	98
70) Pentachlorophenol	16.842	266	332839	54.872	ng	97
71) Phenanthrene	17.248	178	2139431	51.673	ng	100
72) Anthracene	17.337	178	2214911	52.385	ng	100
73) Carbazole	17.613	167	2093175	52.559	ng	99
74) Di-n-butylphthalate	18.213	149	2589522	52.849	ng	99
75) Fluoranthene	19.325	202	2563702	51.910	ng	99
77) Benzidine	19.513	184	1330198	48.615	ng	99
78) Pyrene	19.701	202	2644850	50.754	ng	100
80) Butylbenzylphthalate	20.660	149	1231376	52.139	ng	98
81) Benzo(a)anthracene	21.630	228	2723006	51.499	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	1043476	52.357	ng	99
83) Chrysene	21.701	228	2565856	51.817	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	1805478	51.933	ng	100
85) Di-n-octyl phthalate	22.877	149	3150824	52.690	ng	100
87) Indeno(1,2,3-cd)pyrene	28.859	276	1446981	21.464	ng #	92
88) Benzo(b)fluoranthene	23.960	252	2870971	52.982	ng	100
89) Benzo(k)fluoranthene	24.042	252	2817276	51.956	ng	99
90) Benzo(a)pyrene	24.877	252	2800880	53.100	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	2962622	53.795	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1840881	34.009	ng	99

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

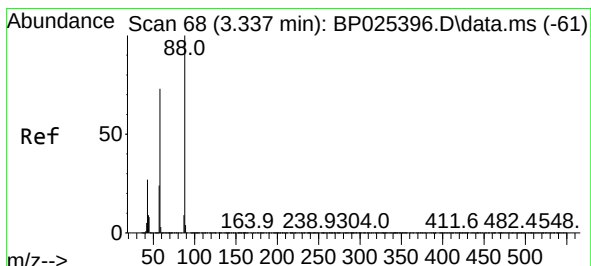
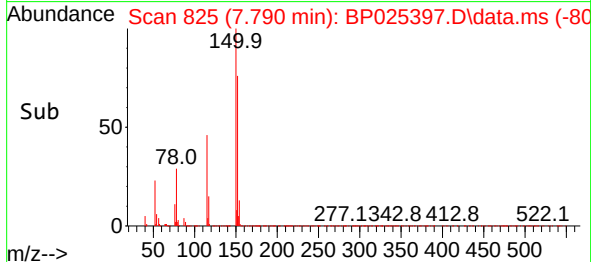
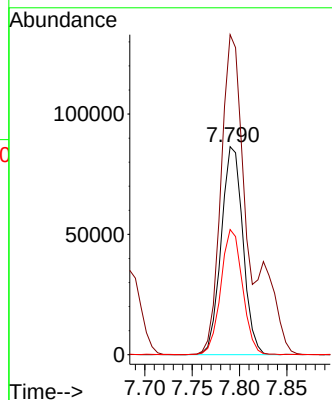
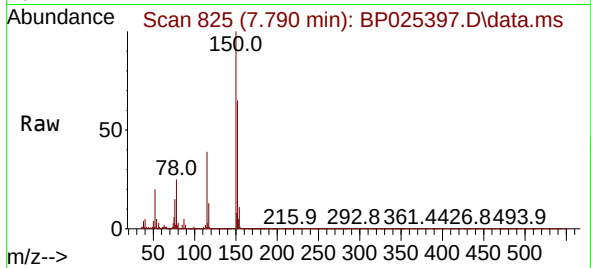
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- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

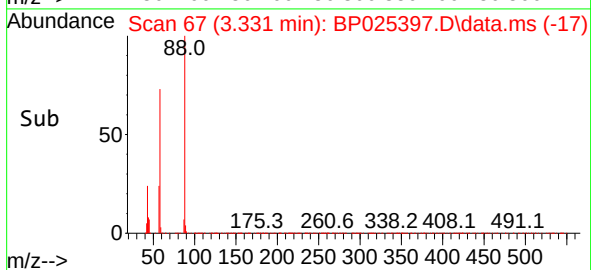
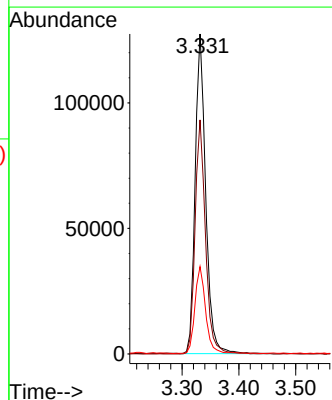
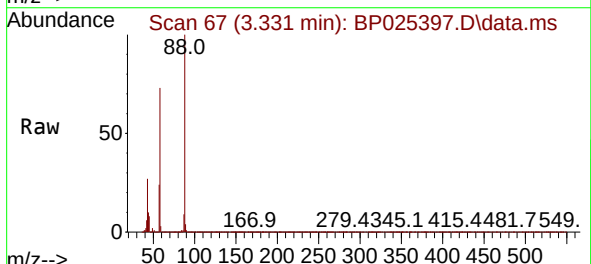
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ClientSampleId :
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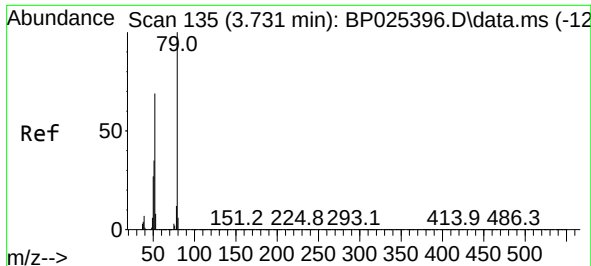
Tgt Ion:152 Resp: 137945
Ion Ratio Lower Upper
152 100
150 153.9 125.9 188.9
115 60.2 48.5 72.7



#2
1,4-Dioxane
Concen: 50.769 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 88 Resp: 165184
Ion Ratio Lower Upper
88 100
58 72.6 59.2 88.8
43 27.8 21.7 32.5

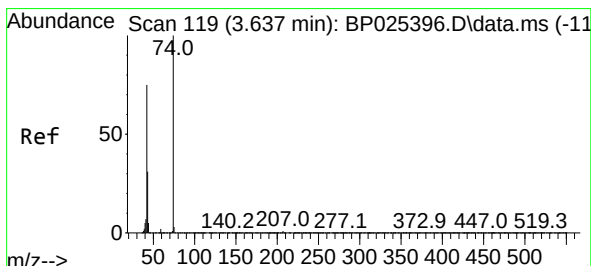
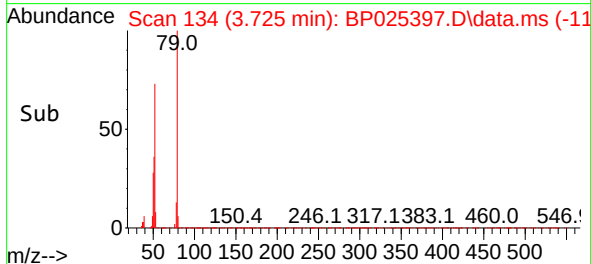
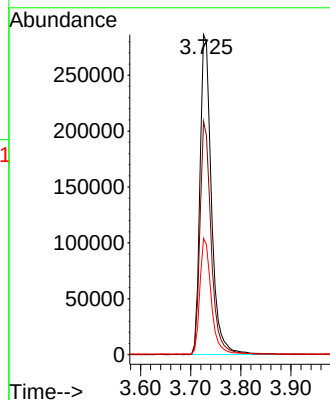
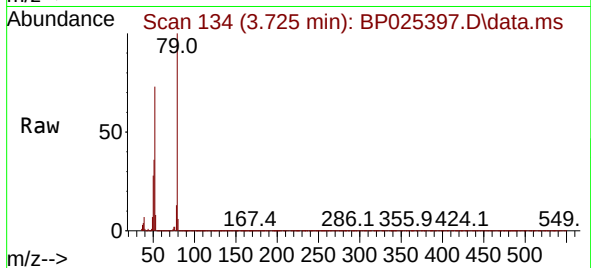




#3
Pyridine
Concen: 50.983 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

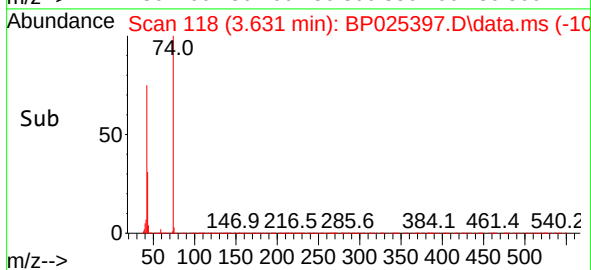
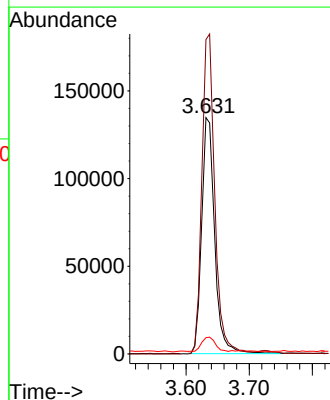
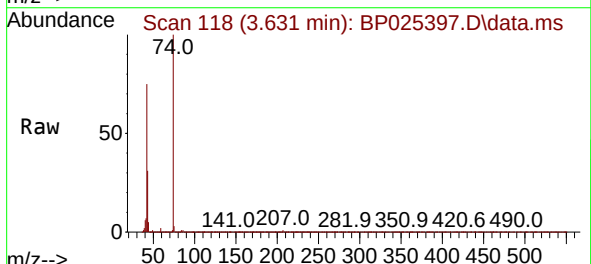
Instrument :
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ClientSampleId :
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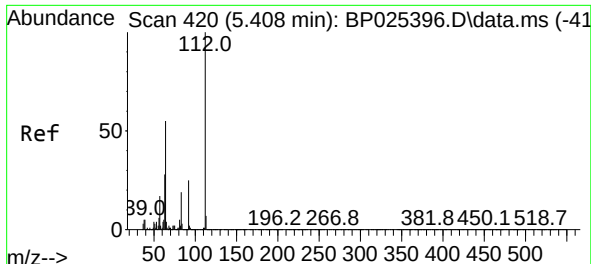
Tgt Ion: 79 Resp: 454022
Ion Ratio Lower Upper
79 100
52 72.9 55.5 83.3
51 36.3 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 52.524 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 42 Resp: 192837
Ion Ratio Lower Upper
42 100
74 133.0 107.0 160.4
44 6.9 6.2 9.4

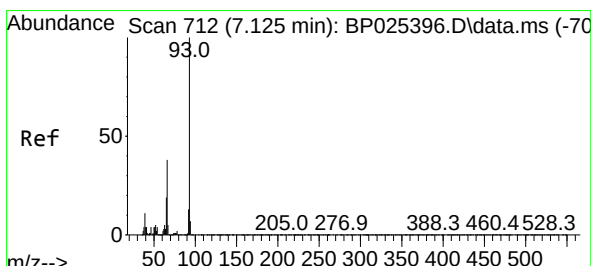
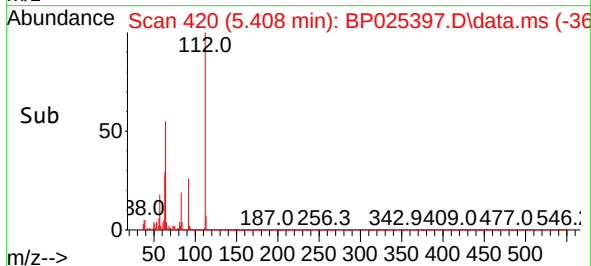
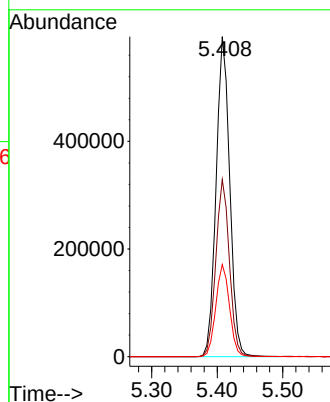
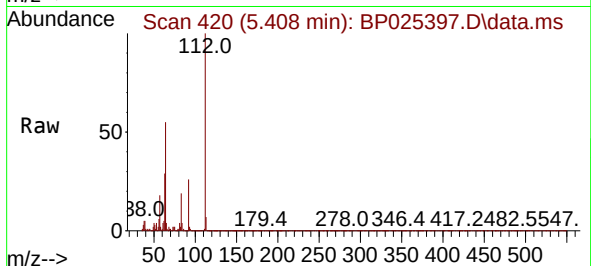




#5
2-Fluorophenol
Concen: 102.963 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

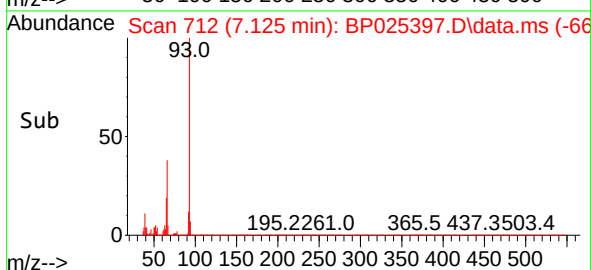
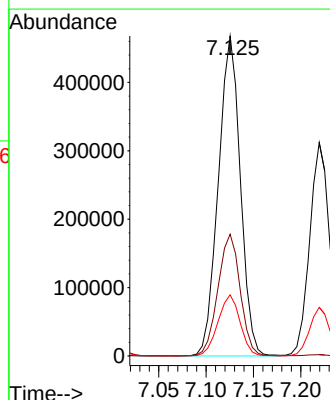
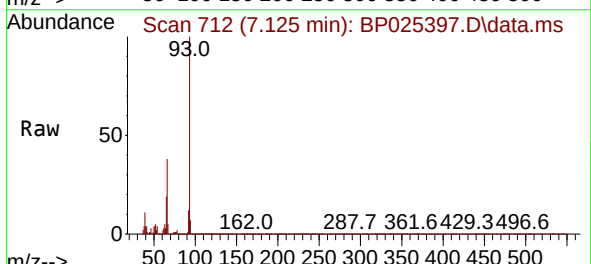
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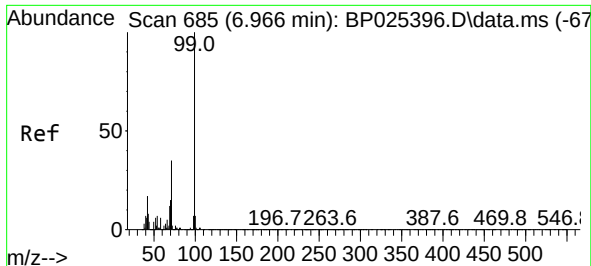
Tgt Ion:112 Resp: 855256
Ion Ratio Lower Upper
112 100
64 55.4 43.8 65.8
63 28.8 22.7 34.1



#6
Aniline
Concen: 52.743 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 756782
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 19.1 15.3 22.9

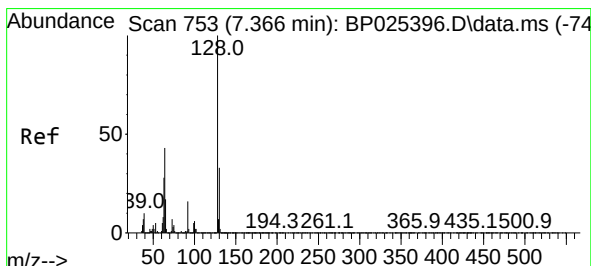
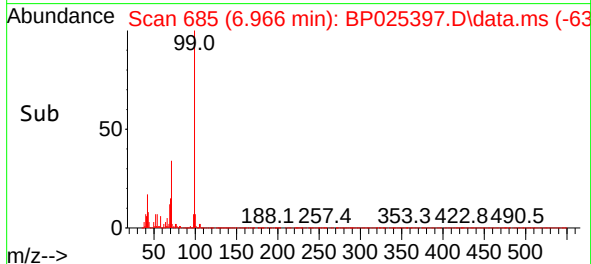
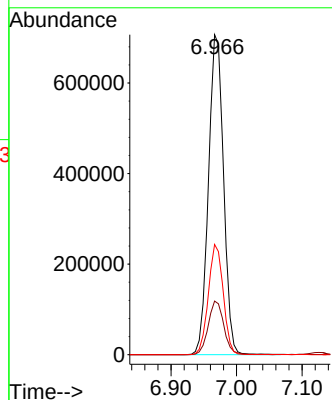
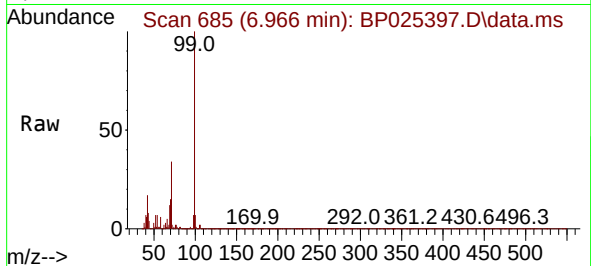




#7
Phenol-d6
Concen: 106.283 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

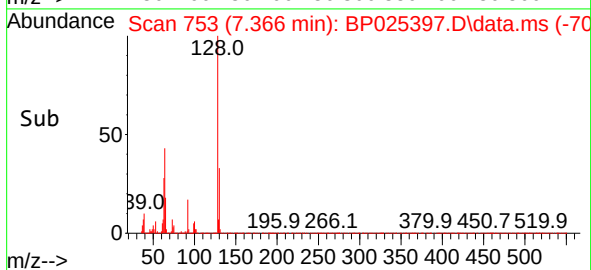
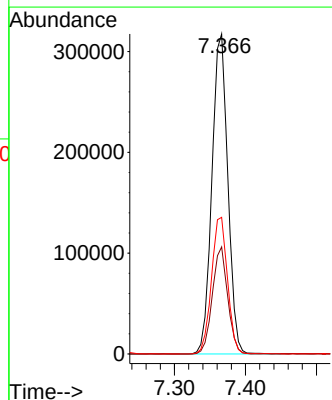
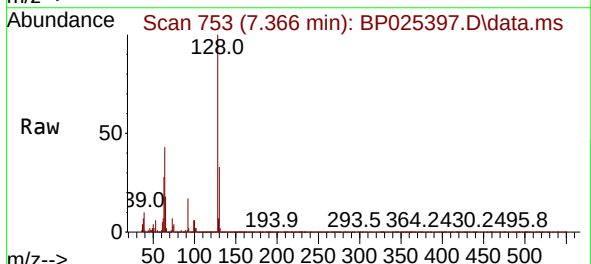
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ClientSampleId :
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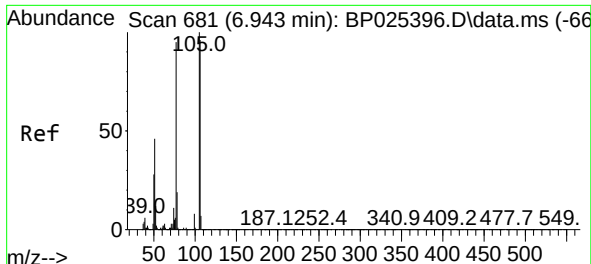
Tgt Ion: 99 Resp: 1131869
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 34.4 28.2 42.4



#8
2-Chlorophenol
Concen: 52.550 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 128 Resp: 492570
Ion Ratio Lower Upper
128 100
130 33.4 12.6 52.6
64 42.7 23.4 63.4

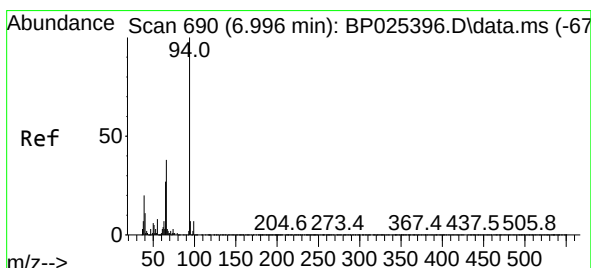
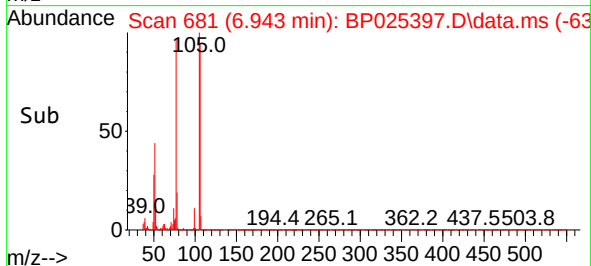
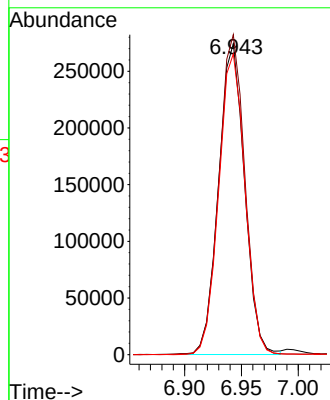
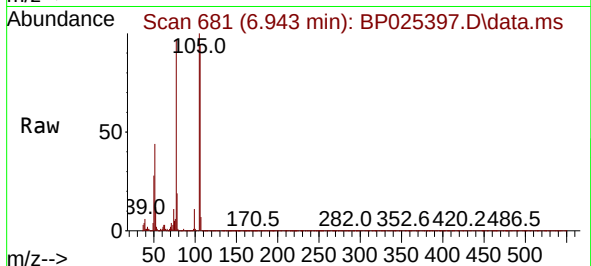




#9
Benzaldehyde
Concen: 58.325 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

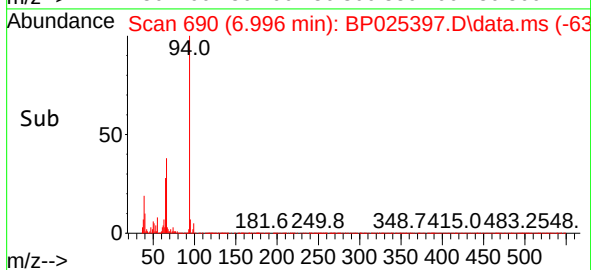
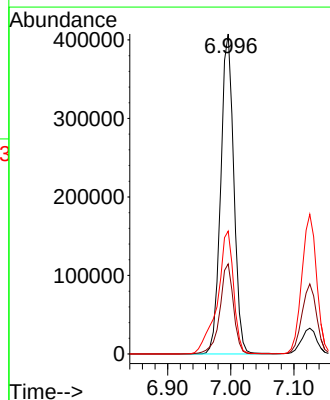
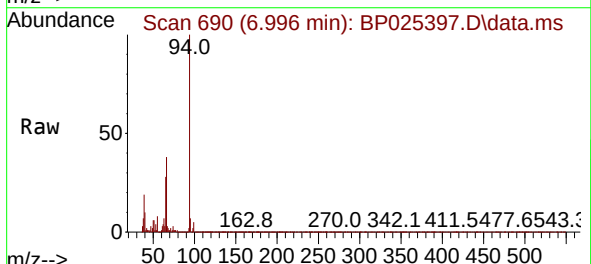
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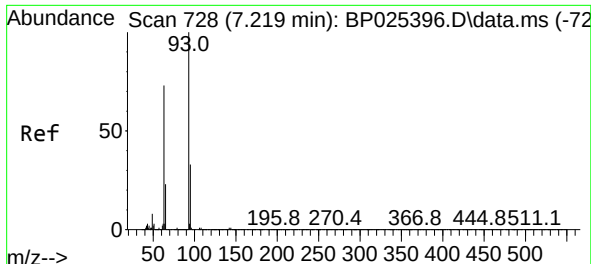
Tgt Ion: 77 Resp: 435174
Ion Ratio Lower Upper
77 100
105 102.9 84.8 124.8
106 96.7 80.5 120.5



#10
Phenol
Concen: 52.687 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 94 Resp: 588764
Ion Ratio Lower Upper
94 100
65 28.1 6.8 46.8
66 38.4 18.2 58.2

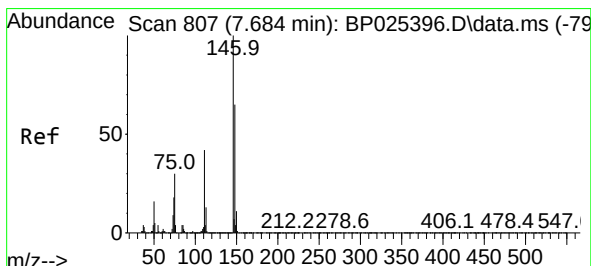
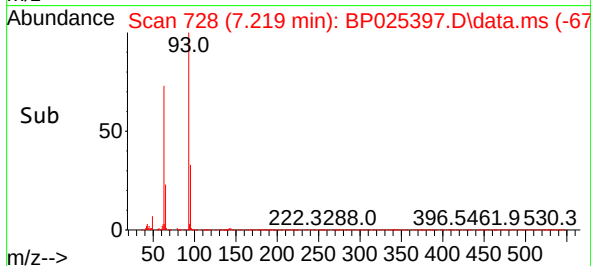
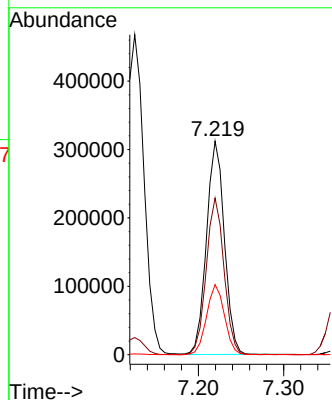
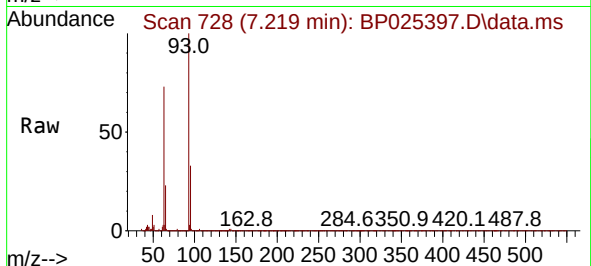




#11
bis(2-Chloroethyl)ether
Concen: 52.320 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

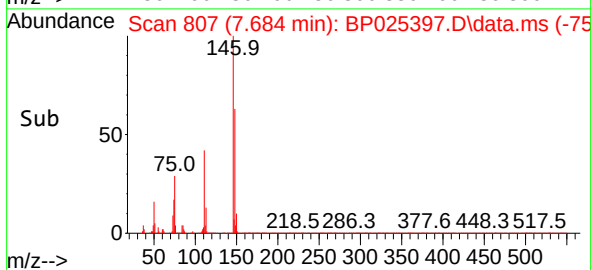
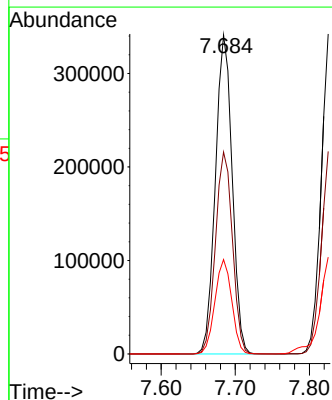
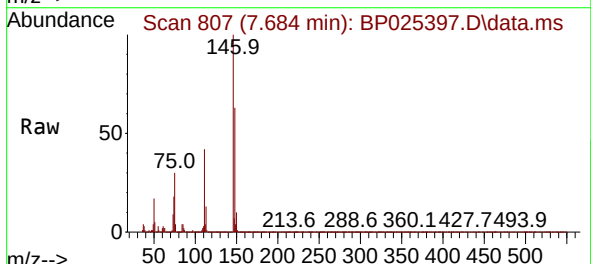
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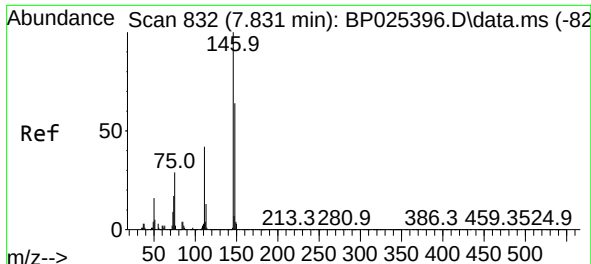
Tgt Ion: 93 Resp: 455697
Ion Ratio Lower Upper
93 100
63 73.4 52.6 92.6
95 32.9 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 51.884 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 146 Resp: 536261
Ion Ratio Lower Upper
146 100
148 63.3 51.9 77.9
75 29.6 23.7 35.5

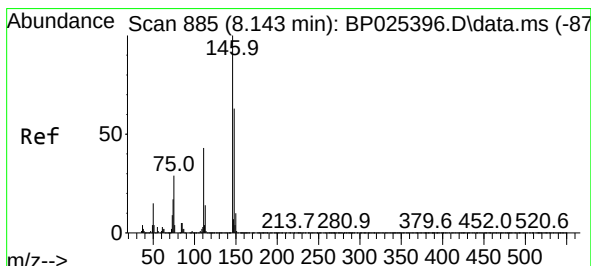
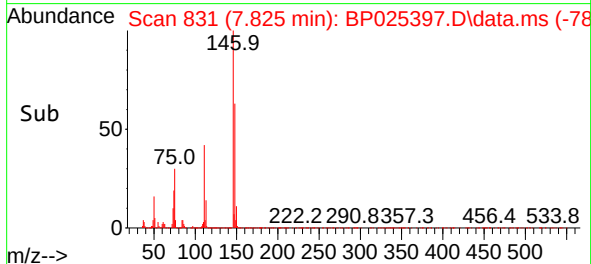
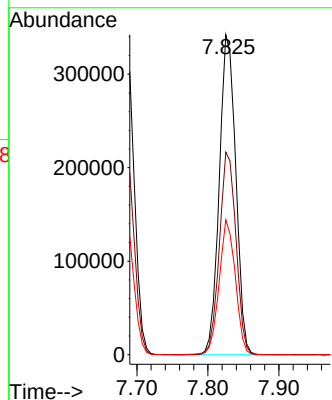
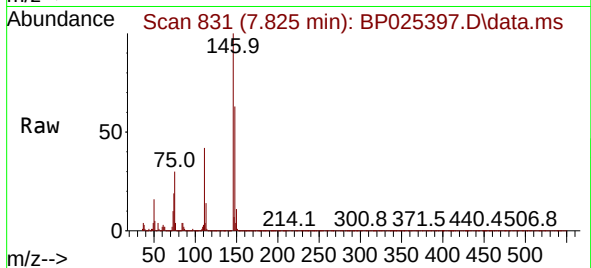




#13
1,4-Dichlorobenzene
Concen: 52.113 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

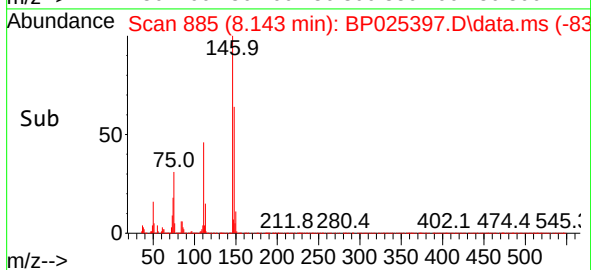
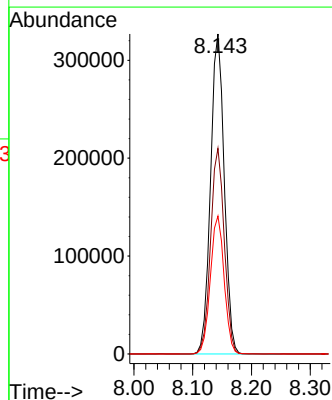
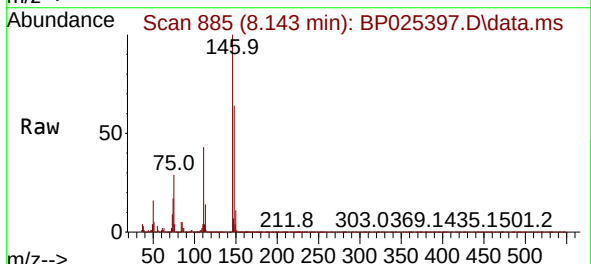
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ClientSampleId :
SSTDICC050

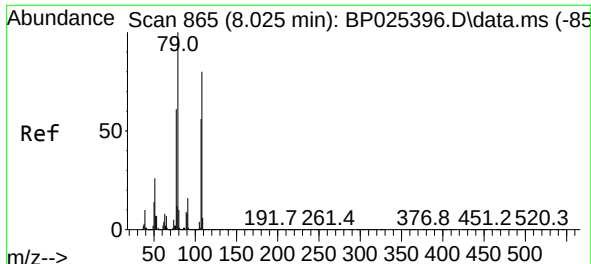
Tgt Ion:146 Resp: 550541
Ion Ratio Lower Upper
146 100
148 63.3 51.6 77.4
111 42.2 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 51.705 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 528750
Ion Ratio Lower Upper
146 100
148 64.3 50.4 75.6
111 43.1 34.5 51.7

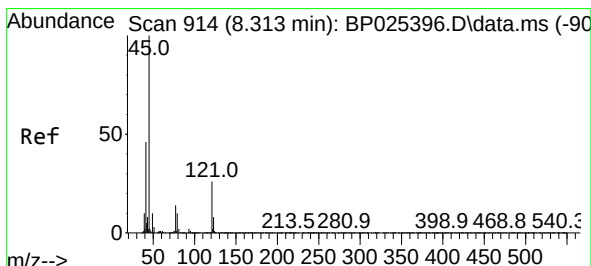
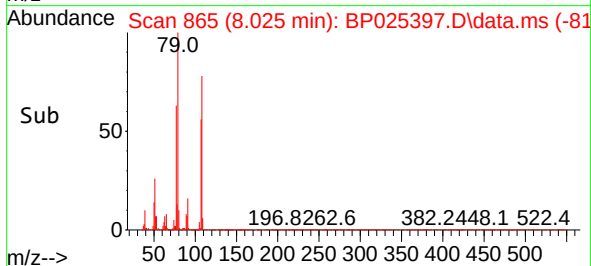
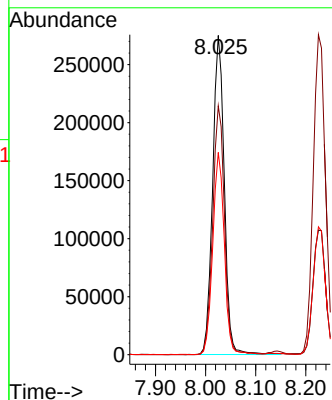
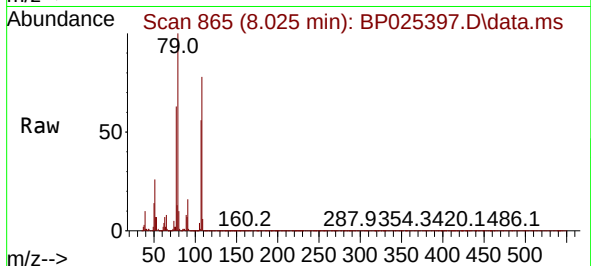




#15
Benzyl Alcohol
Concen: 52.458 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

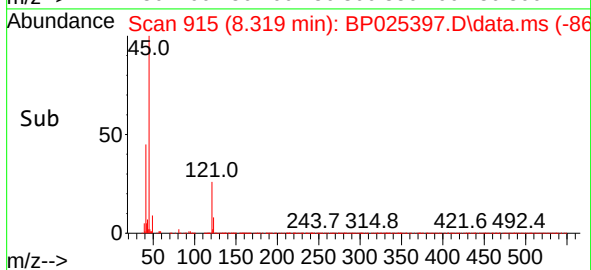
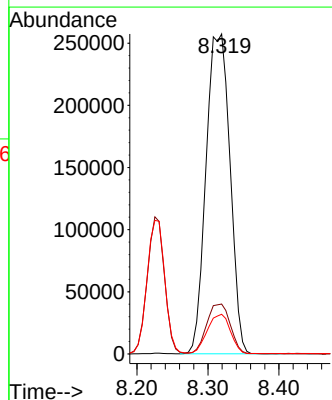
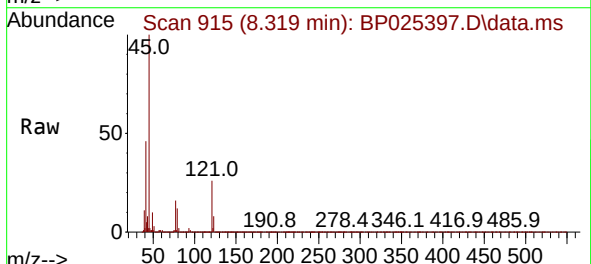
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

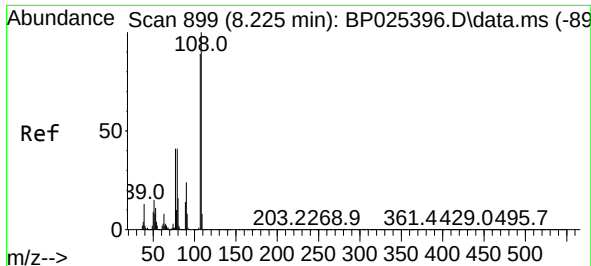
Tgt Ion: 79 Resp: 443889
Ion Ratio Lower Upper
79 100
108 77.9 63.8 95.6
77 63.4 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.742 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 45 Resp: 603716
Ion Ratio Lower Upper
45 100
77 15.6 0.0 35.3
79 12.4 0.0 31.8

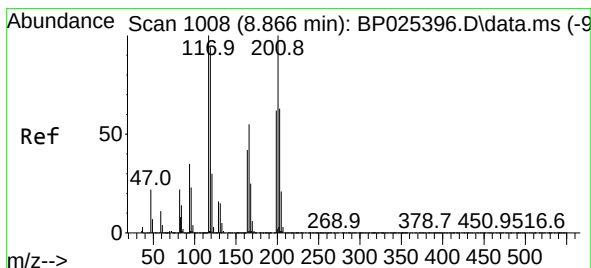
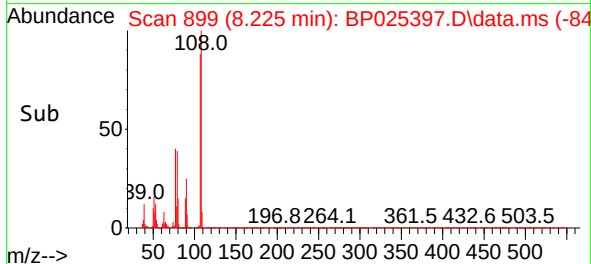
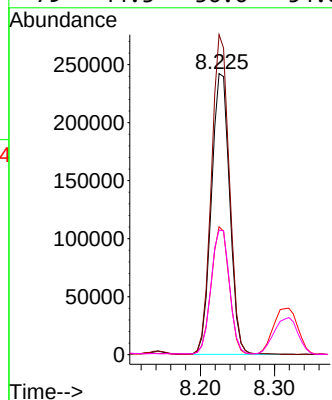
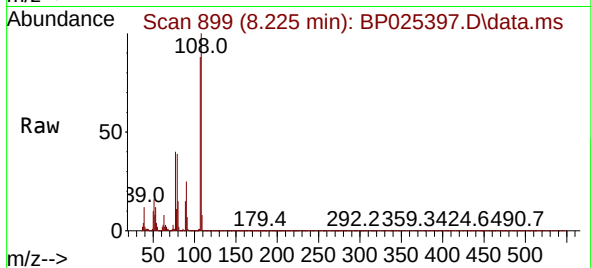




#17
2-Methylphenol
Concen: 53.211 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

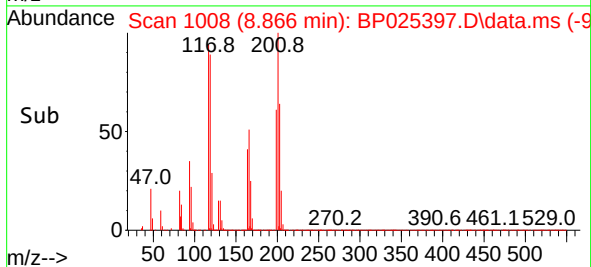
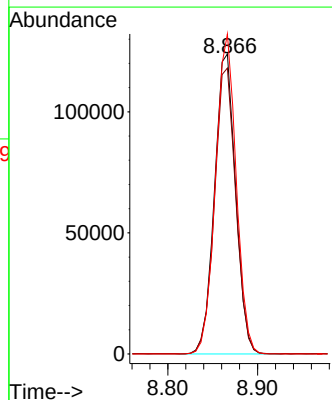
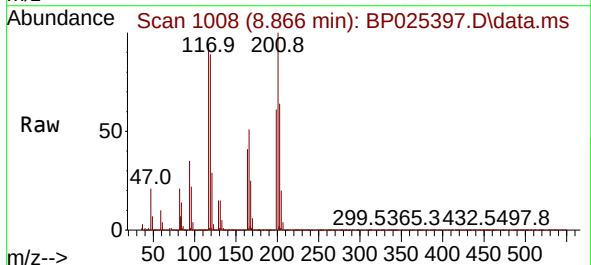
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

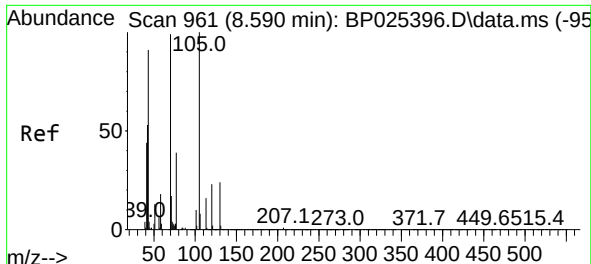
Tgt Ion:	107	Resp:	412974
Ion	Ratio	Lower	Upper
107	100		
108	113.8	89.4	134.0
77	45.5	36.3	54.5
79	44.3	36.6	54.8



#18
Hexachloroethane
Concen: 52.178 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

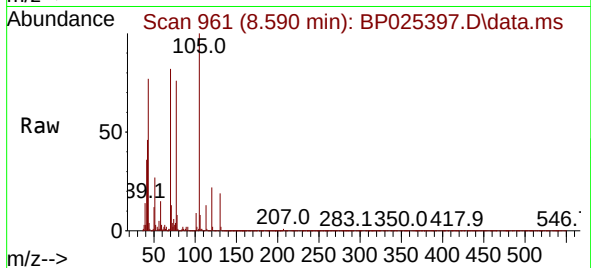
Tgt Ion:	117	Resp:	202672
Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
201	106.7	80.1	120.1





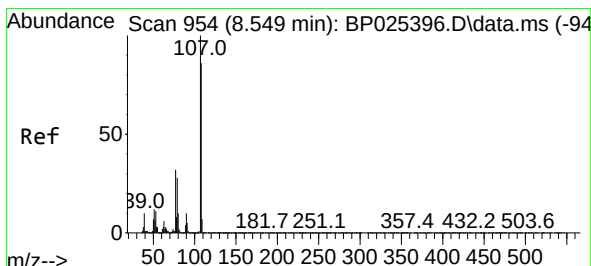
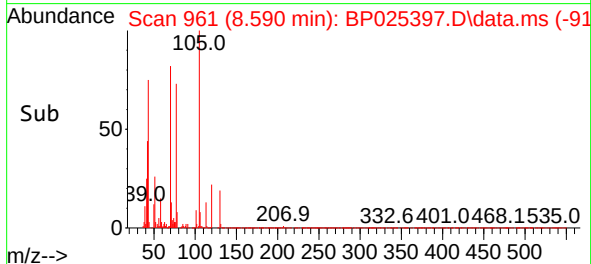
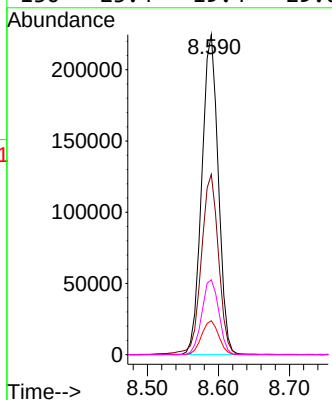
#19
n-Nitroso-di-n-propylamine
Concen: 51.419 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion: 70 Resp: 363151

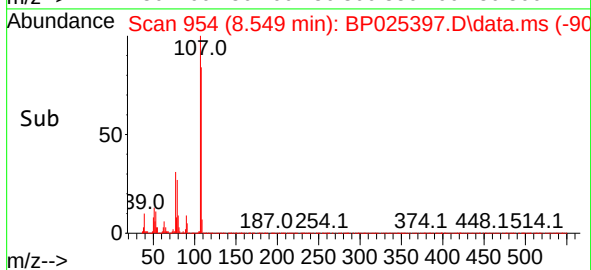
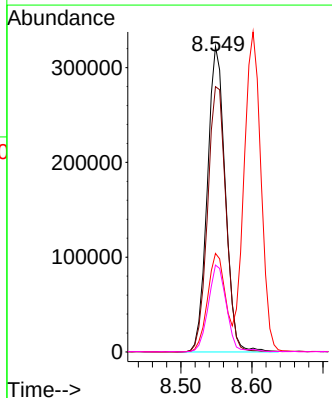
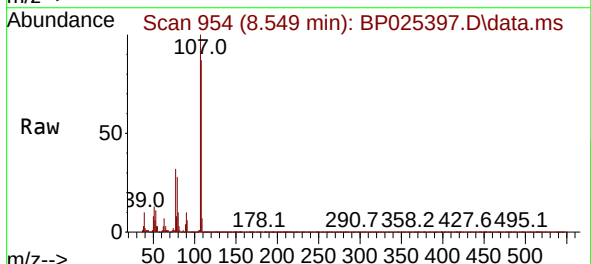
Ion	Ratio	Lower	Upper
70	100		
42	56.4	43.8	65.6
101	10.6	8.5	12.7
130	23.4	19.4	29.0

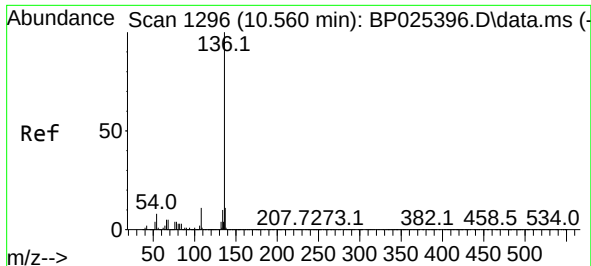


#20
3+4-Methylphenols
Concen: 52.538 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 107 Resp: 565208

Ion	Ratio	Lower	Upper
107	100		
108	86.8	66.3	106.3
77	32.2	12.3	52.3
79	28.4	7.8	47.8

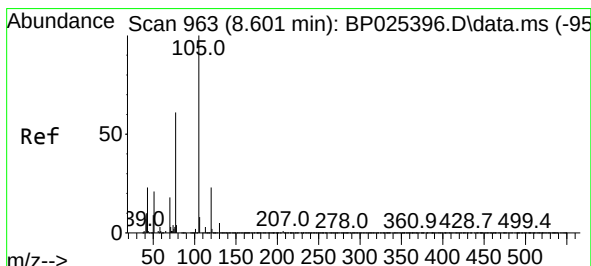
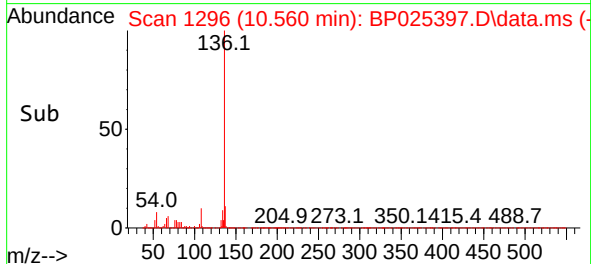
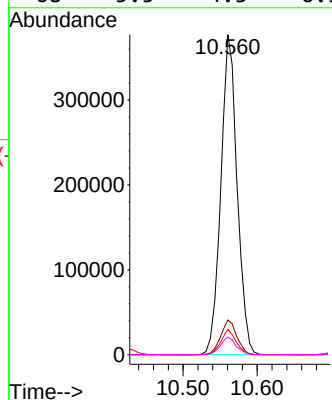
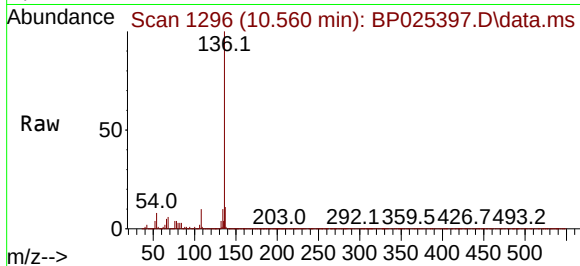




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

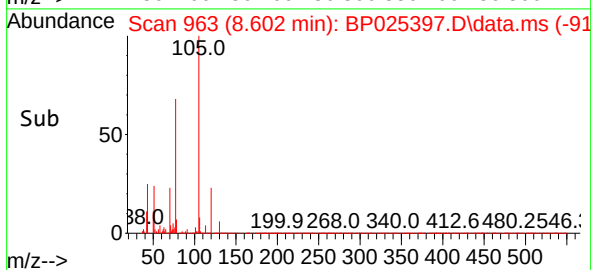
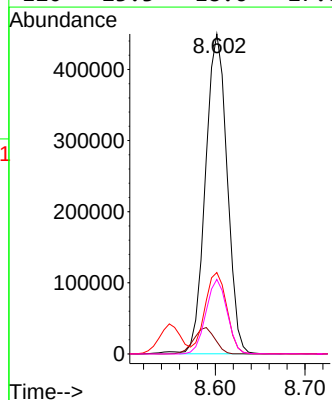
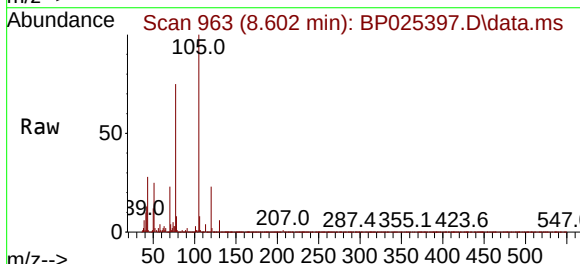
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

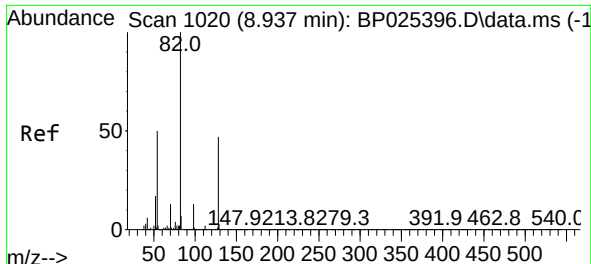
Tgt Ion:	136	Resp:	573916
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.9	6.0	9.0
68	5.5	4.3	6.5



#22
Acetophenone
Concen: 52.131 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:	105	Resp:	750308
Ion	Ratio	Lower	Upper
105	100		
71	3.9	2.6	4.0
51	25.5	20.6	30.8
120	23.3	18.6	27.8

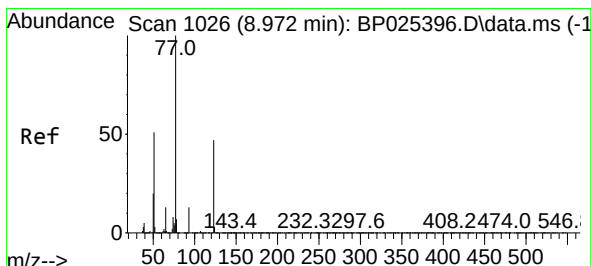
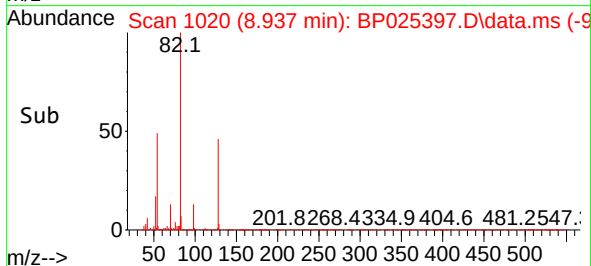
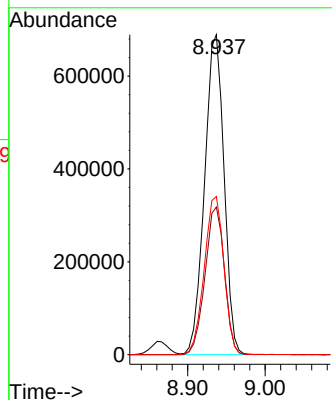
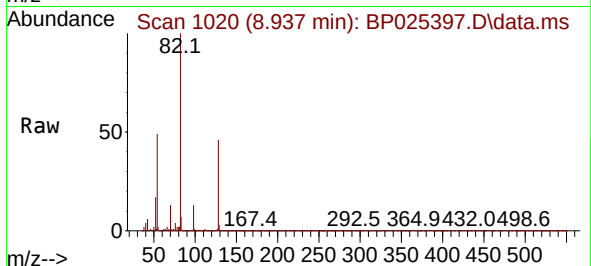




#23
Nitrobenzene-d5
Concen: 105.910 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

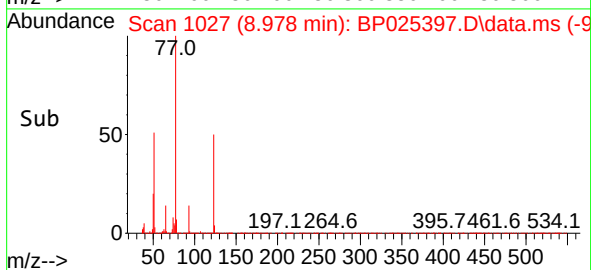
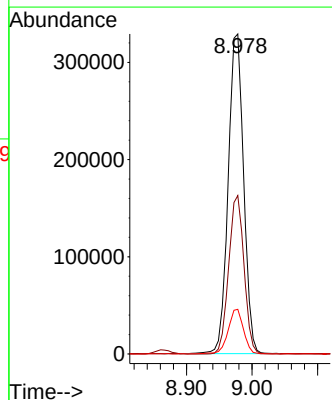
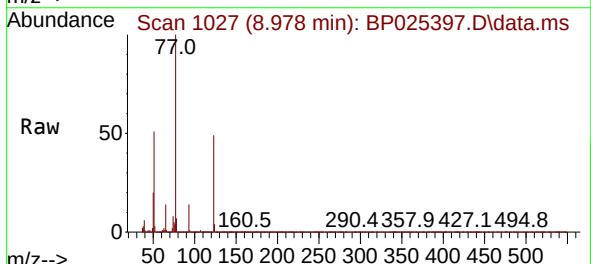
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

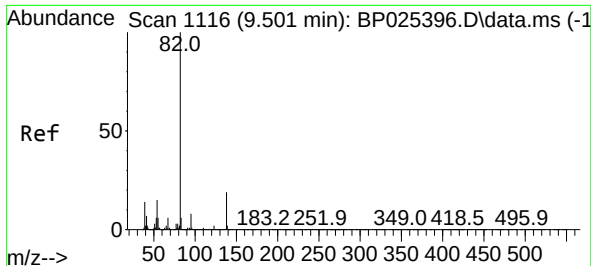
Tgt Ion: 82 Resp: 1201601
Ion Ratio Lower Upper
82 100
128 46.2 37.7 56.5
54 49.4 39.8 59.6



#24
Nitrobenzene
Concen: 53.024 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 77 Resp: 537647
Ion Ratio Lower Upper
77 100
123 49.5 38.6 58.0
65 13.9 10.6 15.8

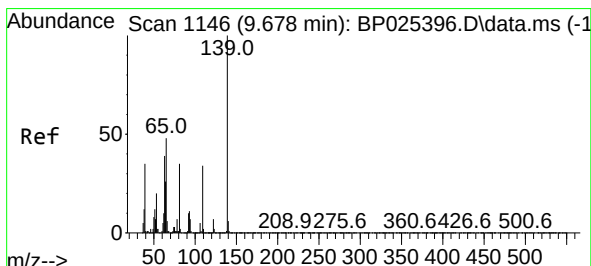
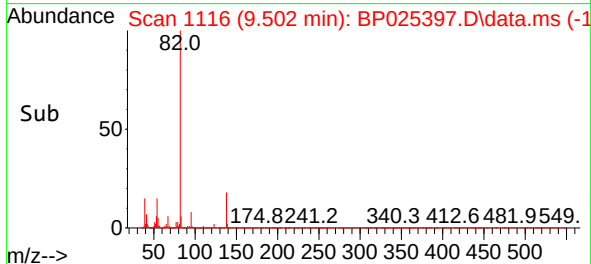
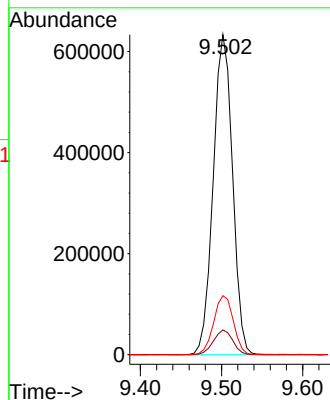
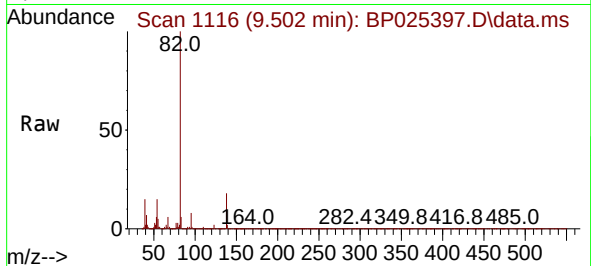




#25
Isophorone
Concen: 52.182 ng
RT: 9.502 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

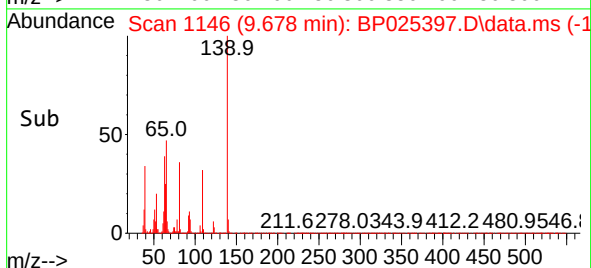
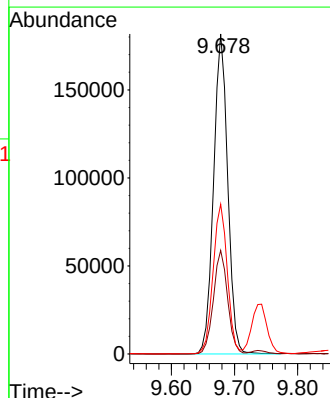
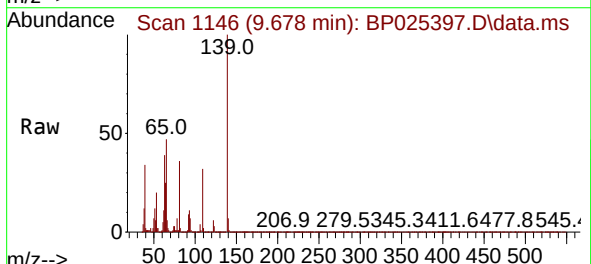
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

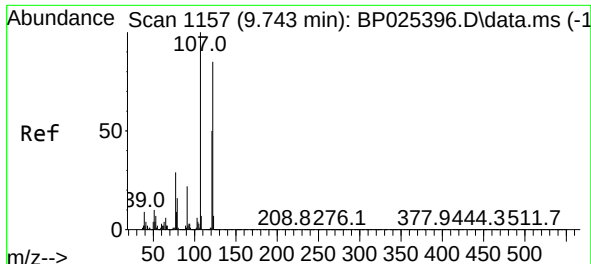
Tgt Ion: 82 Resp: 1047736
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 18.5 15.4 23.0



#26
2-Nitrophenol
Concen: 54.323 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 139 Resp: 282682
Ion Ratio Lower Upper
139 100
109 32.3 26.9 40.3
65 46.8 38.3 57.5

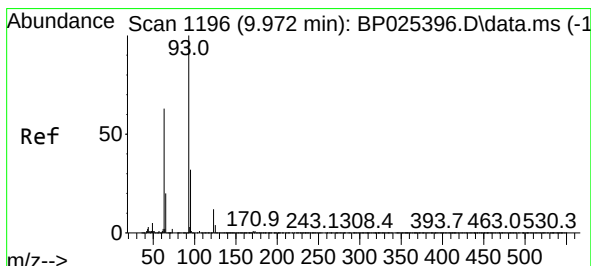
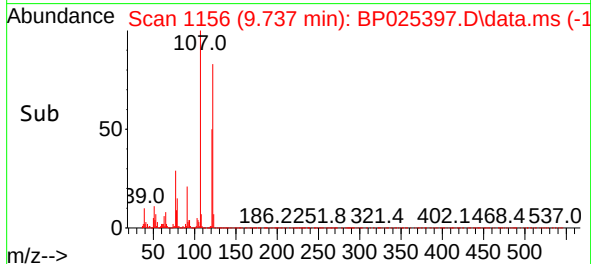
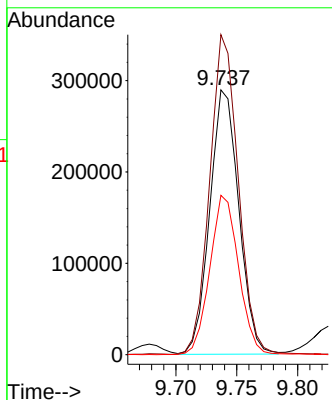
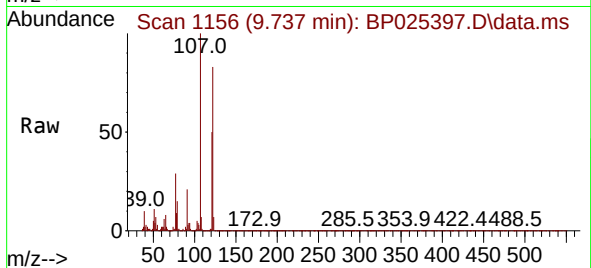




#27
2,4-Dimethylphenol
Concen: 53.806 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

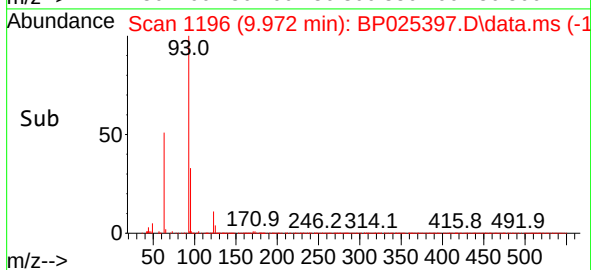
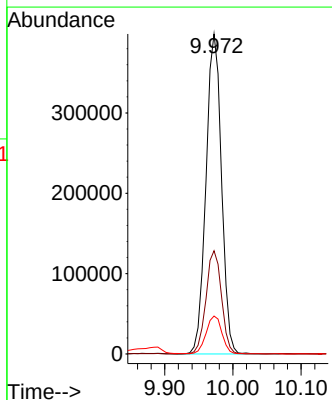
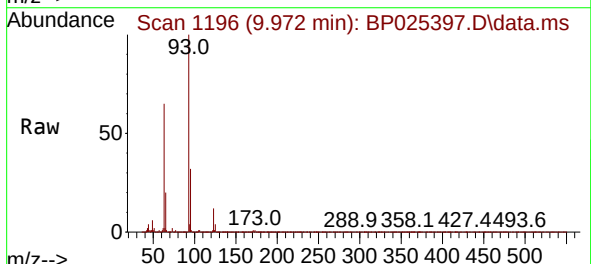
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

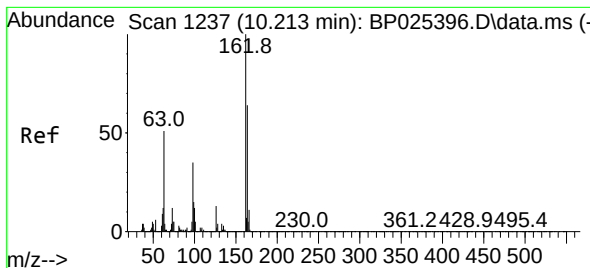
Tgt Ion:122 Resp: 481502
Ion Ratio Lower Upper
122 100
107 120.8 93.7 140.5
121 60.2 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 51.909 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 630027
Ion Ratio Lower Upper
93 100
95 32.2 25.4 38.0
123 11.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 53.478 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

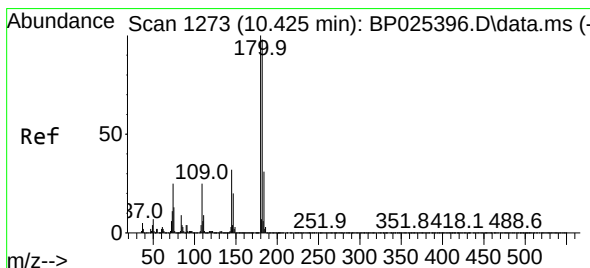
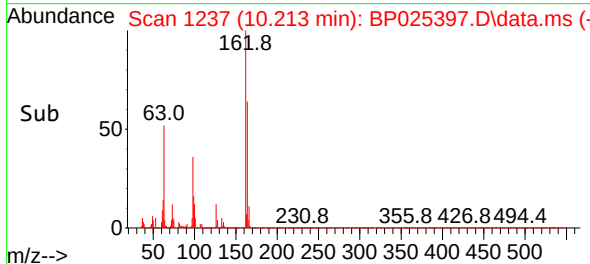
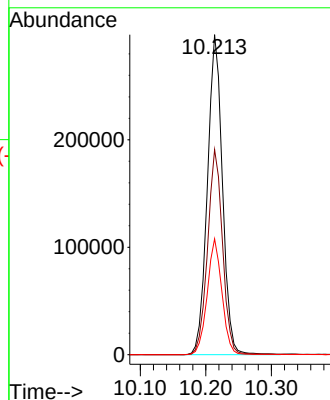
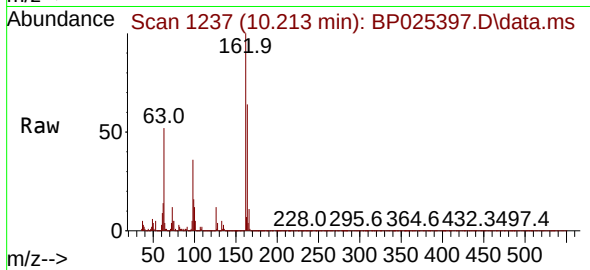
Tgt Ion:162 Resp: 475406

Ion Ratio Lower Upper

162 100

164 64.1 44.4 84.4

98 36.2 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 52.101 ng

RT: 10.431 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

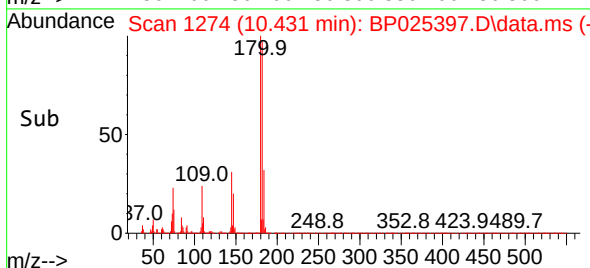
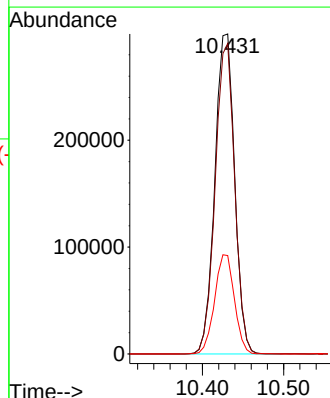
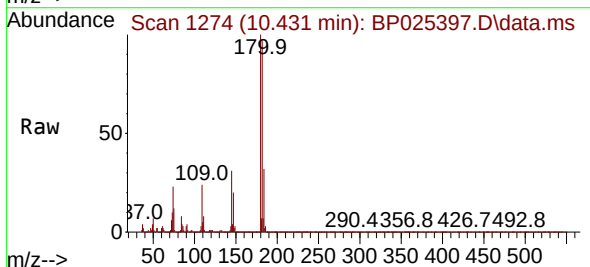
Tgt Ion:180 Resp: 507724

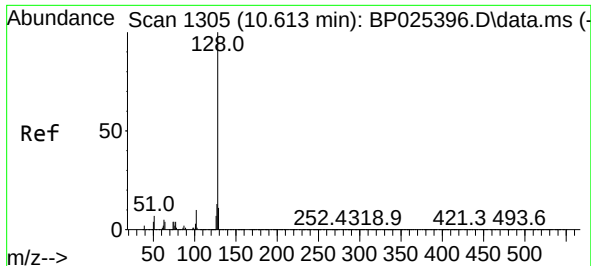
Ion Ratio Lower Upper

180 100

182 97.0 78.0 117.0

145 30.8 25.9 38.9

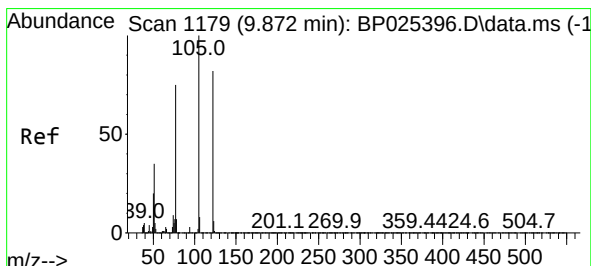
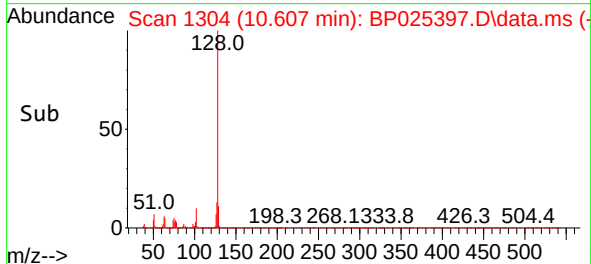
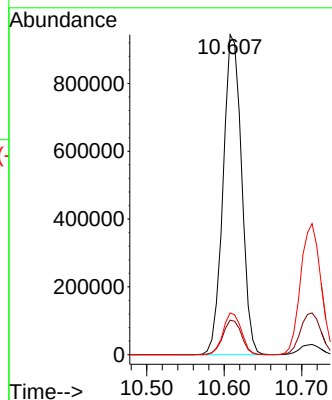
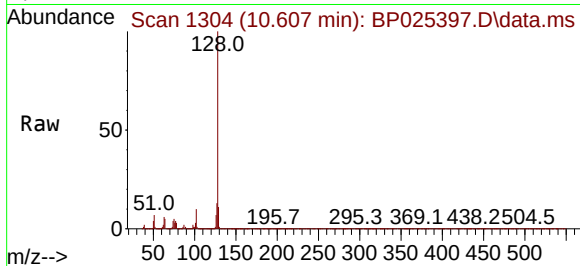




#31
Naphthalene
Concen: 52.305 ng
RT: 10.607 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

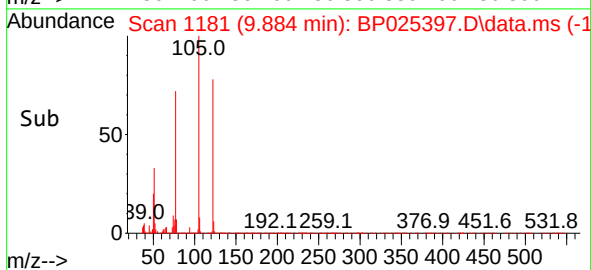
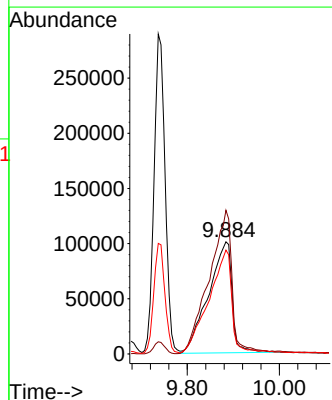
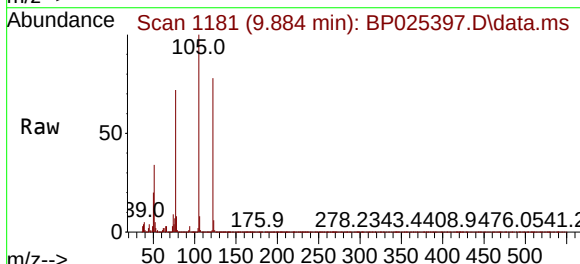
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

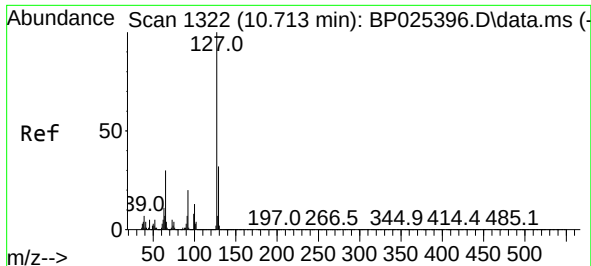
Tgt Ion:128 Resp: 1560240
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.7 16.1



#32
Benzoic acid
Concen: 54.274 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:122 Resp: 357706
Ion Ratio Lower Upper
122 100
105 128.1 100.6 140.6
77 92.6 71.5 111.5

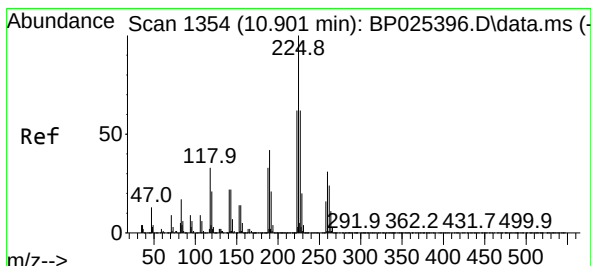
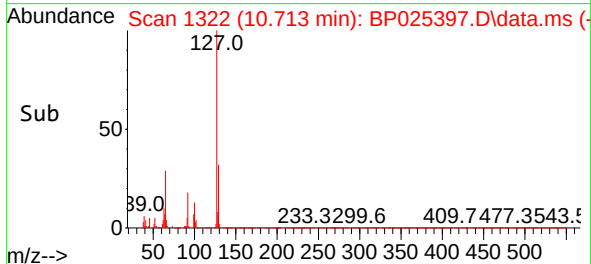
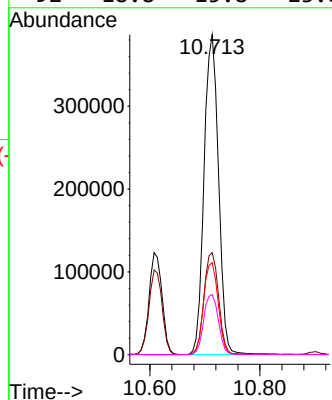
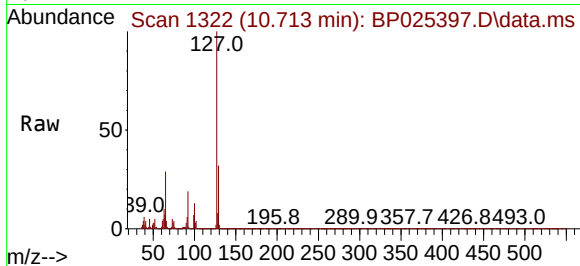




#33
4-Chloroaniline
Concen: 53.548 ng
RT: 10.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

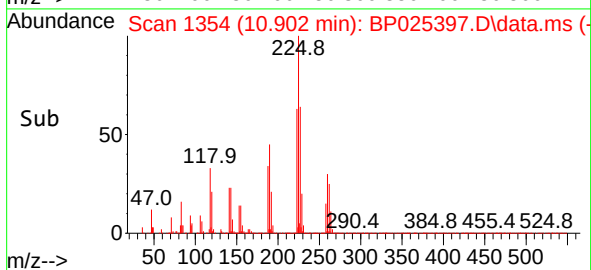
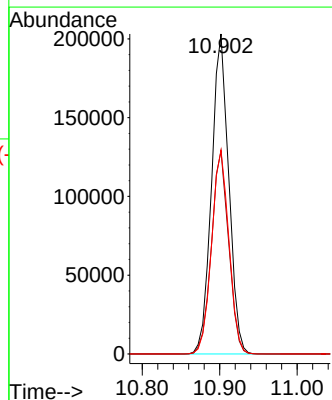
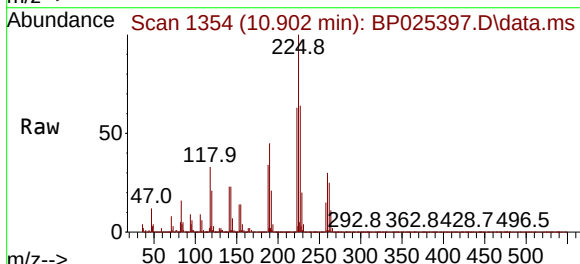
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

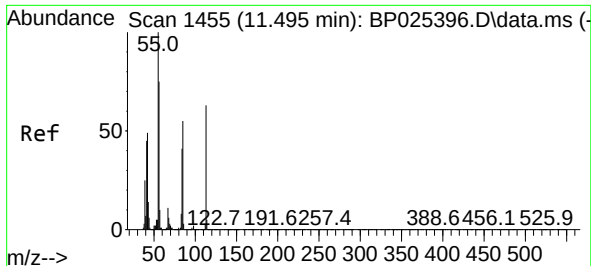
Tgt Ion:	127	Resp:	705562
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	28.7	23.8	35.6
92	18.8	15.8	23.8



#34
Hexachlorobutadiene
Concen: 51.436 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:	225	Resp:	312163
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0
227	63.7	49.7	74.5

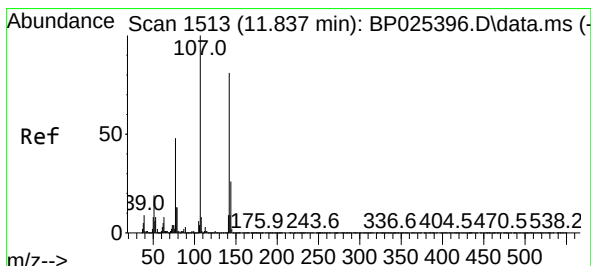
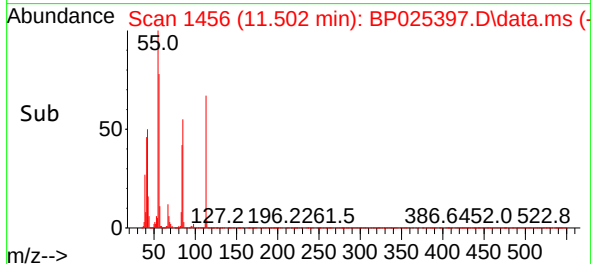
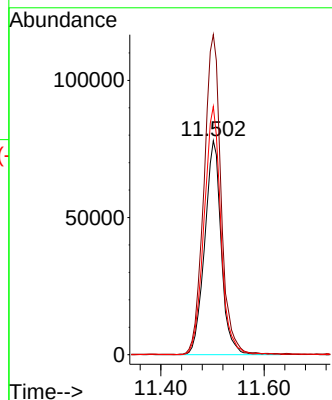
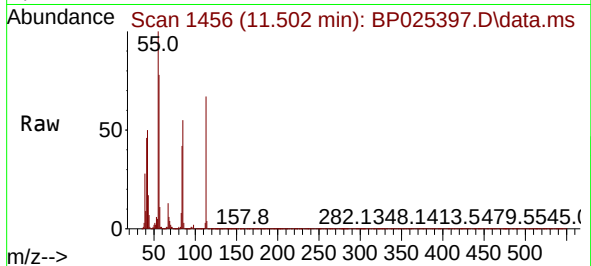




#35
Caprolactam
Concen: 52.969 ng
RT: 11.502 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

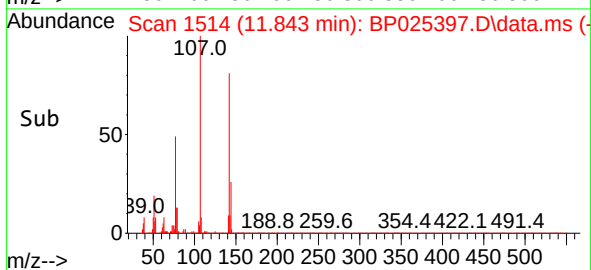
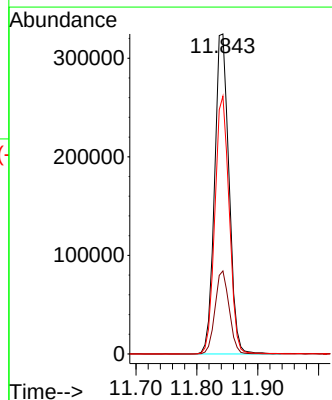
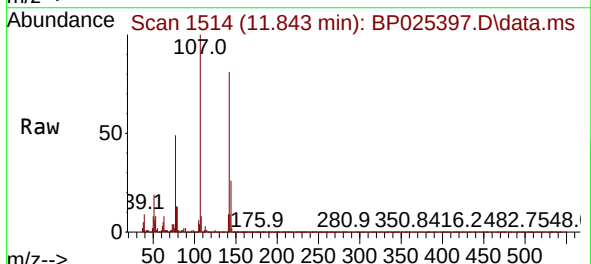
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

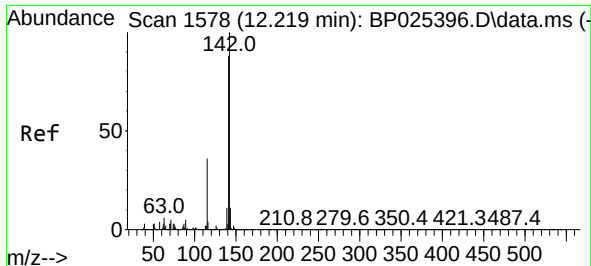
Tgt Ion:113 Resp: 172663
Ion Ratio Lower Upper
113 100
55 149.6 140.0 180.0
56 116.0 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 52.407 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 534583
Ion Ratio Lower Upper
107 100
144 26.0 21.0 31.4
142 80.6 64.6 97.0

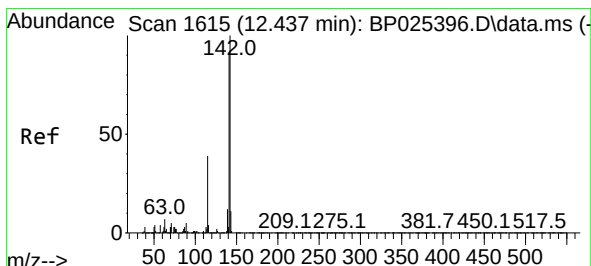
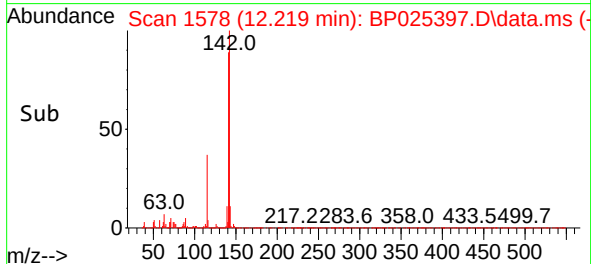
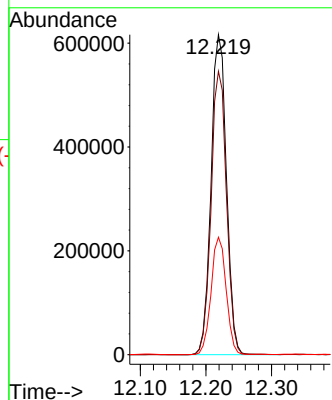
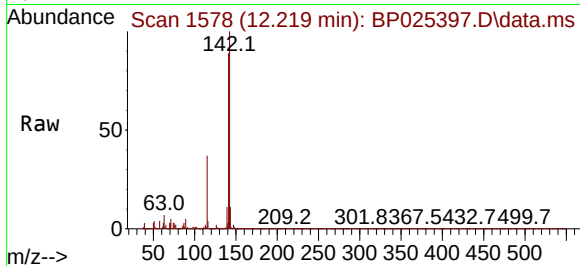




#37
2-Methylnaphthalene
Concen: 51.710 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

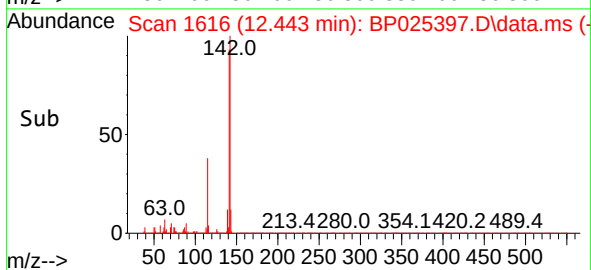
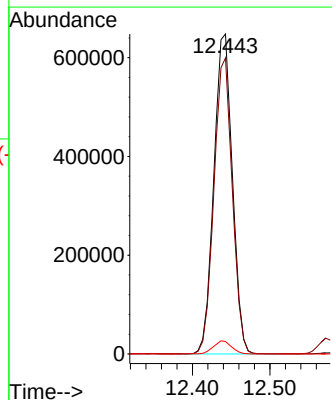
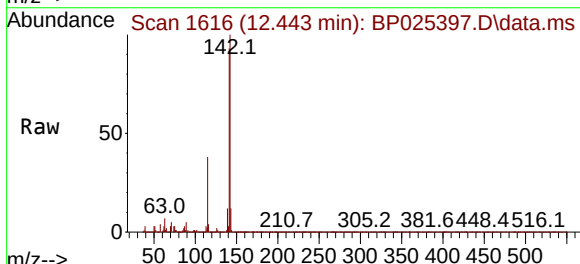
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

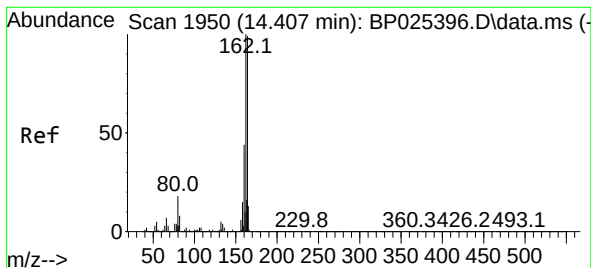
Tgt Ion:142 Resp: 1003813
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 36.7 28.9 43.3



#38
1-Methylnaphthalene
Concen: 52.167 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:142 Resp: 1076949
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7
116 3.9 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

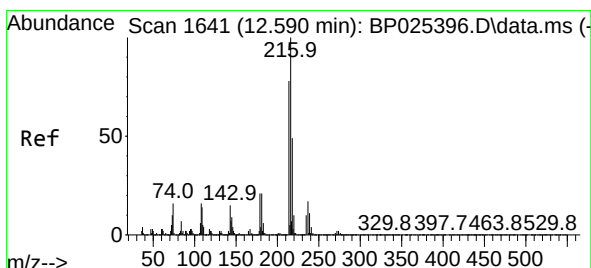
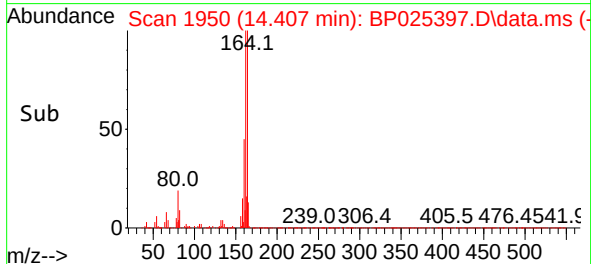
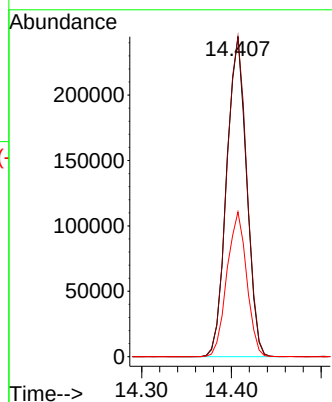
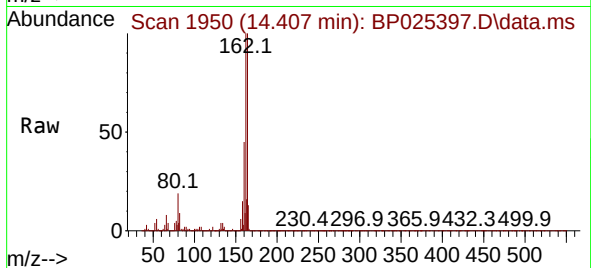
Tgt Ion:164 Resp: 376731

Ion Ratio Lower Upper

164 100

162 100.0 81.0 121.6

160 45.2 35.4 53.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.769 ng

RT: 12.590 min Scan# 1641

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Tgt Ion:216 Resp: 574152

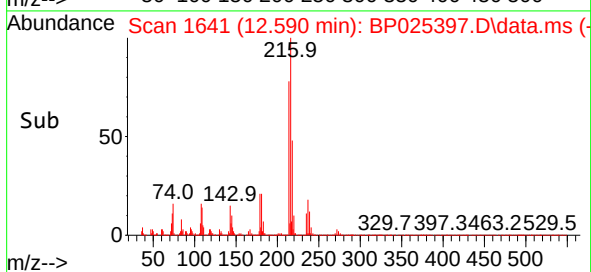
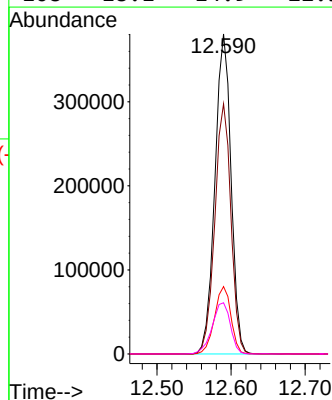
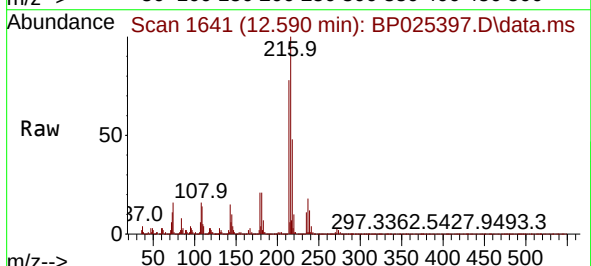
Ion Ratio Lower Upper

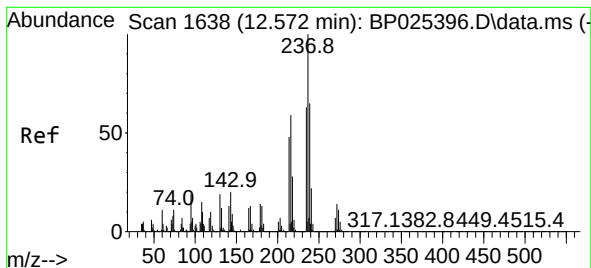
216 100

214 78.2 63.0 94.4

179 21.5 17.1 25.7

108 18.1 14.9 22.3

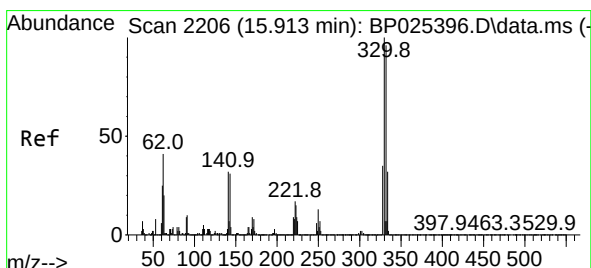
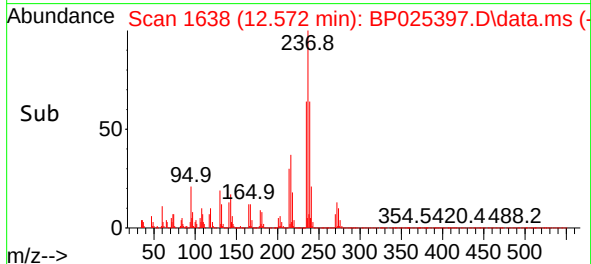
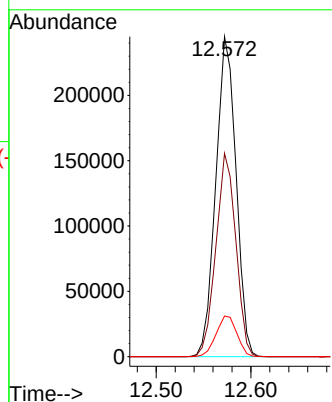
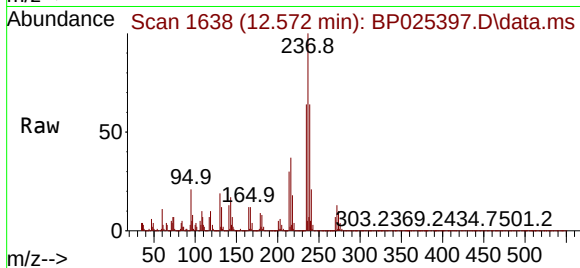




#41
Hexachlorocyclopentadiene
Concen: 55.392 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

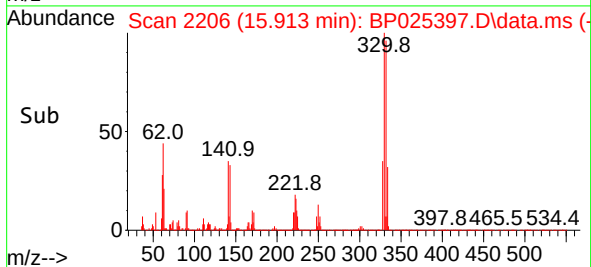
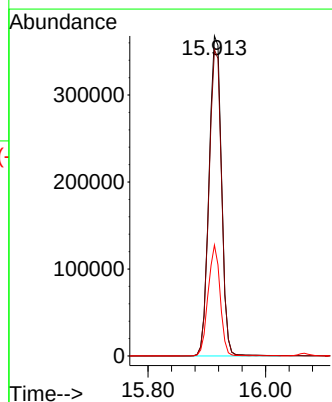
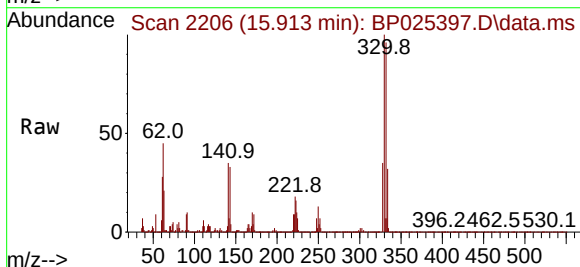
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

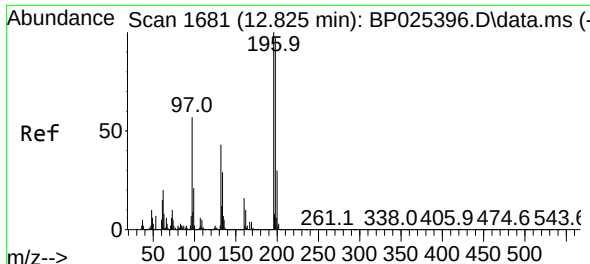
Tgt Ion:237 Resp: 364047
Ion Ratio Lower Upper
237 100
235 63.6 42.7 82.7
272 12.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 106.352 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:330 Resp: 539295
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 33.5 26.6 39.8

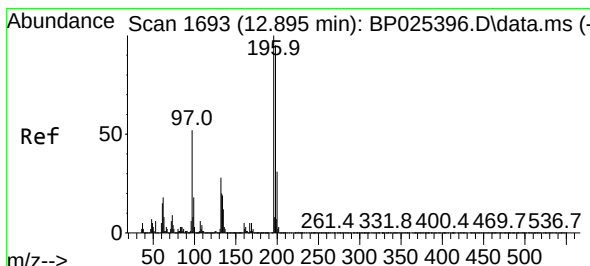
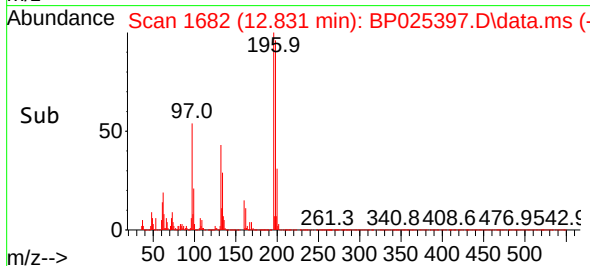
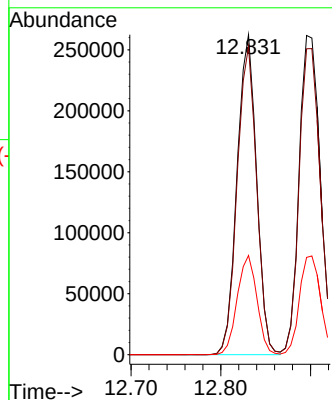
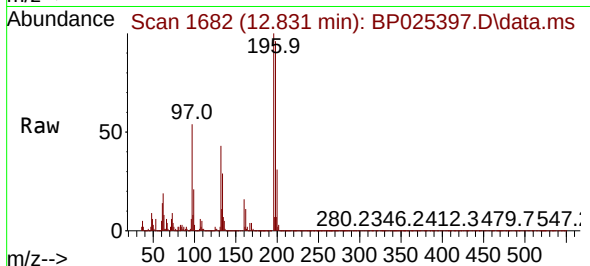




#43
2,4,6-Trichlorophenol
Concen: 53.971 ng
RT: 12.831 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

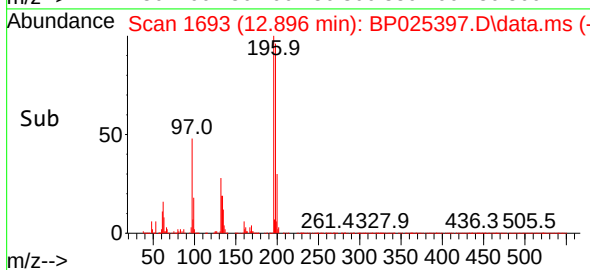
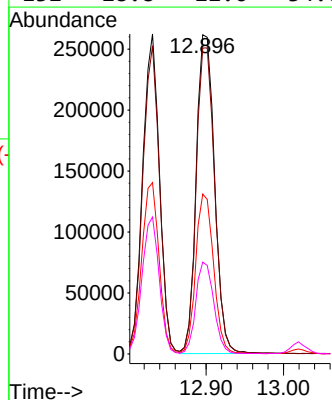
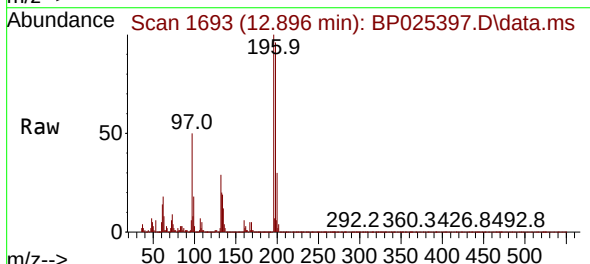
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

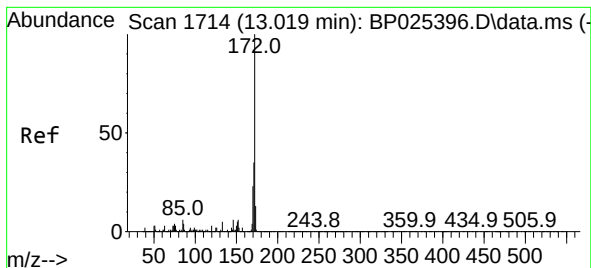
Tgt Ion:196 Resp: 396440
Ion Ratio Lower Upper
196 100
198 96.3 77.2 115.8
200 31.0 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 53.421 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:196 Resp: 430061
Ion Ratio Lower Upper
196 100
198 95.8 76.2 114.2
97 50.1 41.2 61.8
132 28.8 22.6 34.0

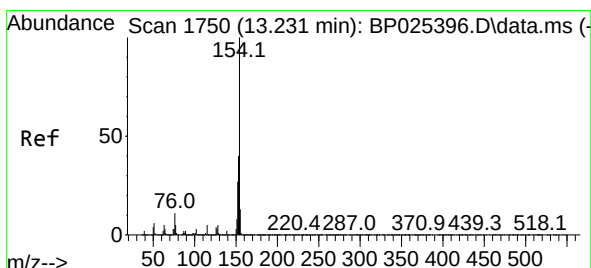
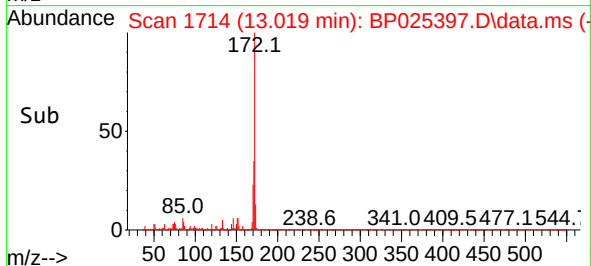
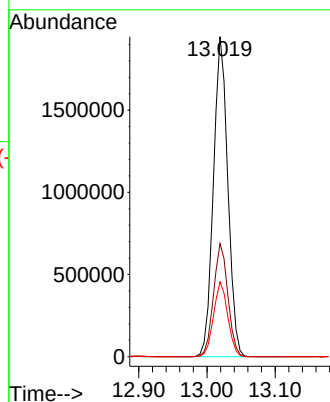
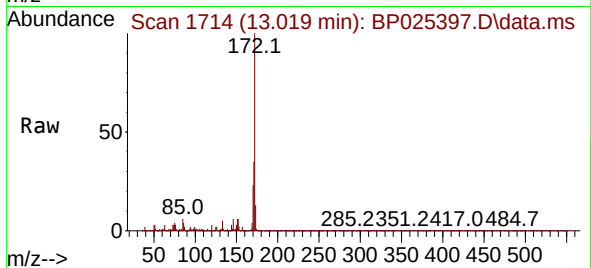




#45
2-Fluorobiphenyl
Concen: 103.632 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

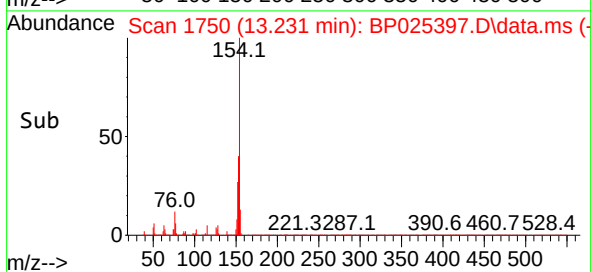
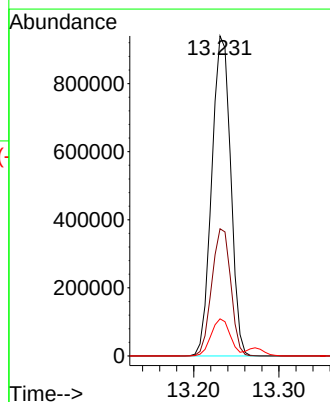
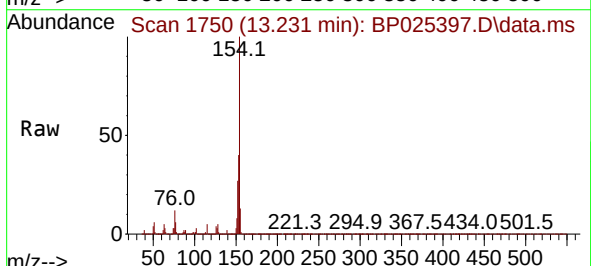
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

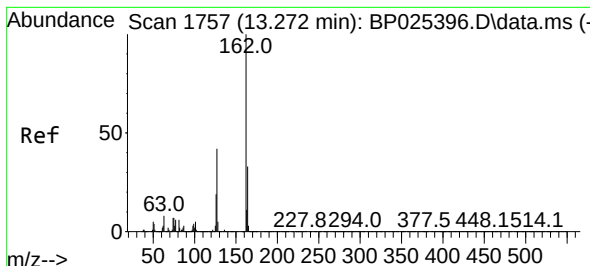
Tgt Ion:172 Resp: 2856639
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.4 18.6 28.0



#46
1,1'-Biphenyl
Concen: 52.922 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1447968
Ion Ratio Lower Upper
154 100
153 39.8 19.5 59.5
76 11.6 0.0 31.1

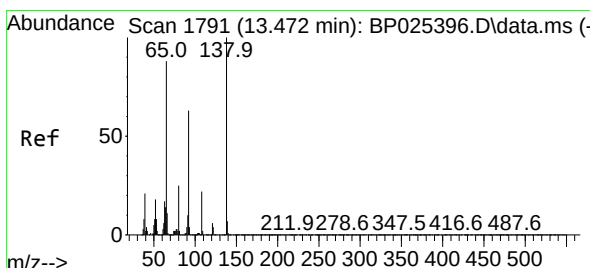
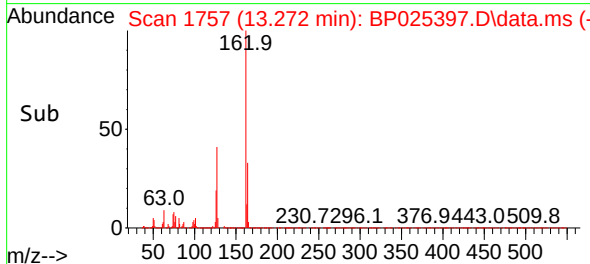
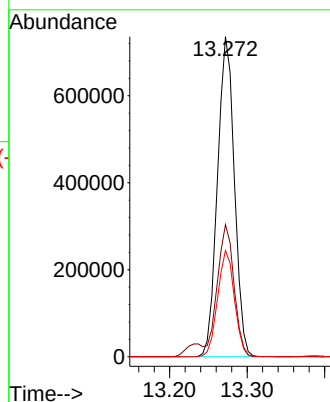
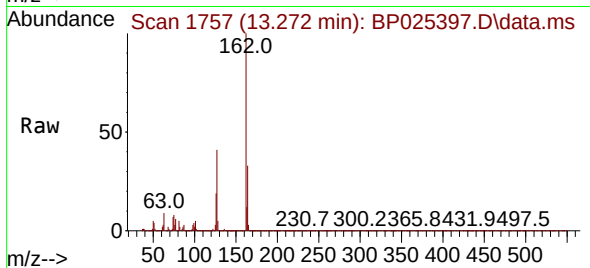




#47
2-Chloronaphthalene
Concen: 52.344 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

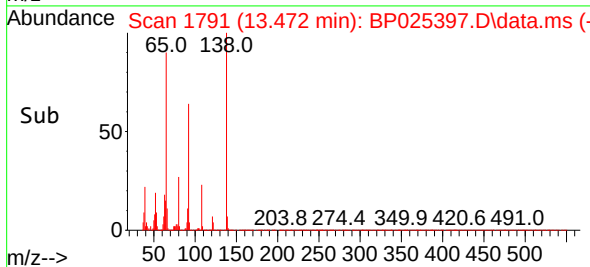
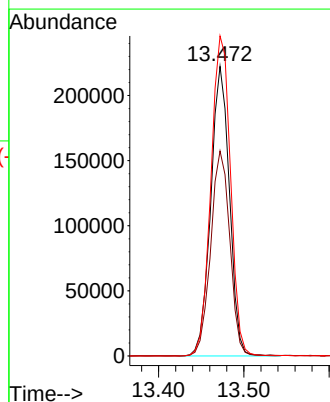
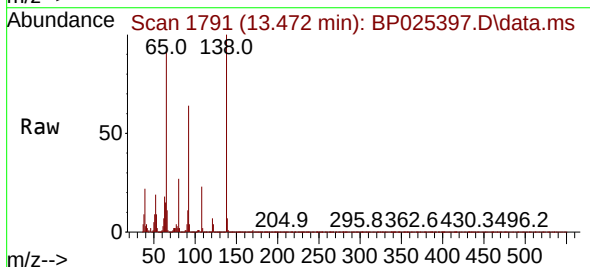
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

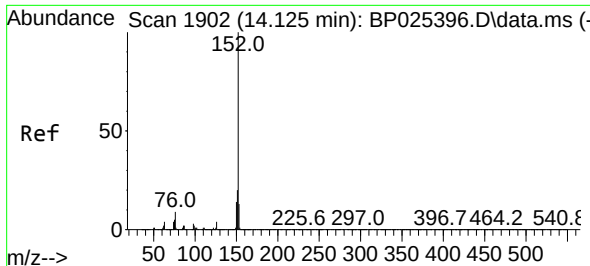
Tgt Ion:162 Resp: 1114922
Ion Ratio Lower Upper
162 100
127 41.3 33.4 50.2
164 33.2 26.2 39.2



#48
2-Nitroaniline
Concen: 54.613 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 65 Resp: 338939
Ion Ratio Lower Upper
65 100
92 70.7 57.6 86.4
138 110.5 91.0 136.6

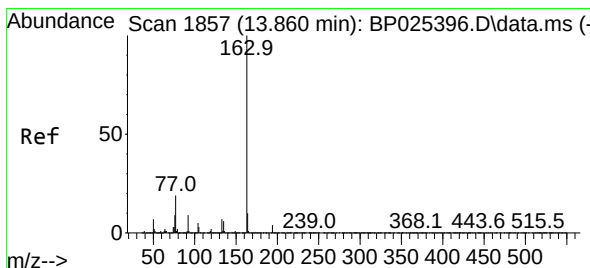
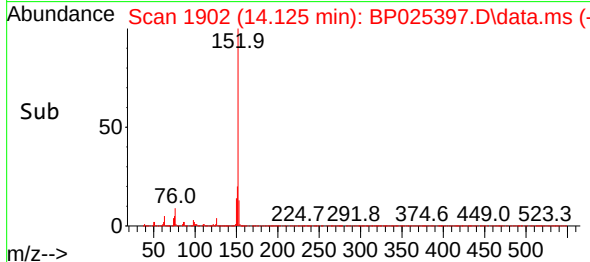
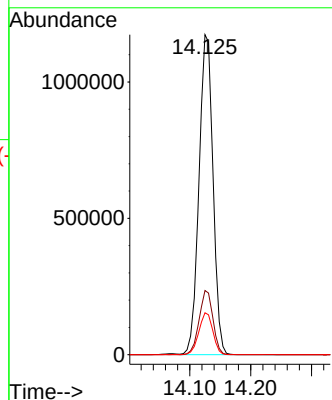
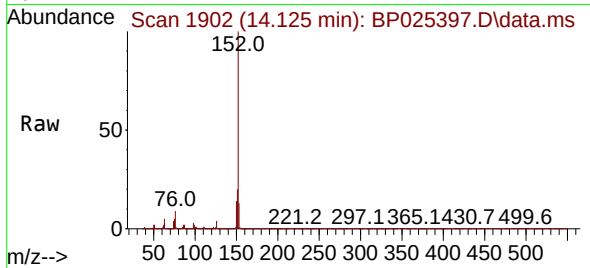




#49
Acenaphthylene
Concen: 53.227 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

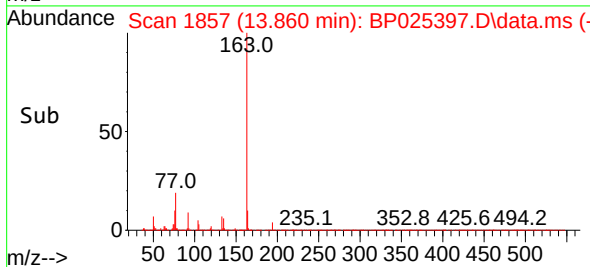
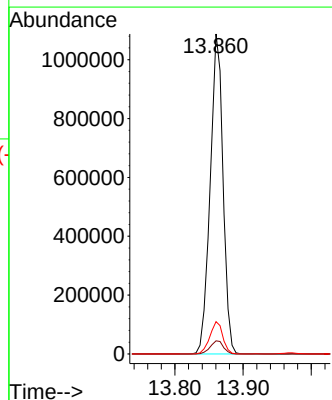
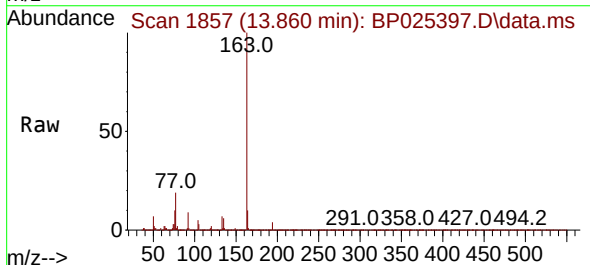
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

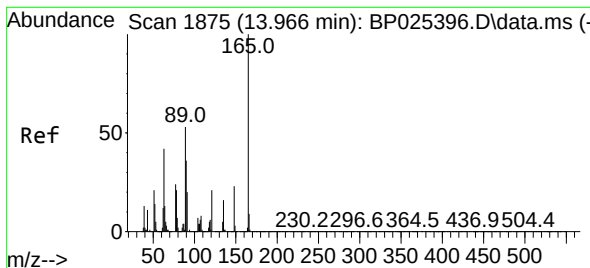
Tgt Ion:152 Resp: 1875998
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 51.622 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:163 Resp: 1424127
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.1 7.9 11.9

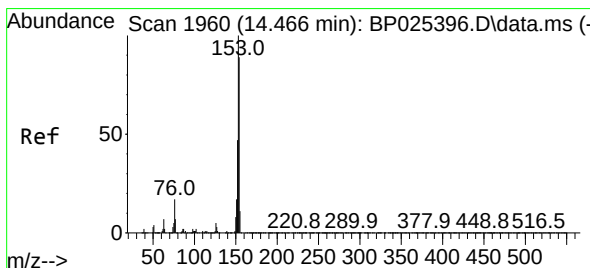
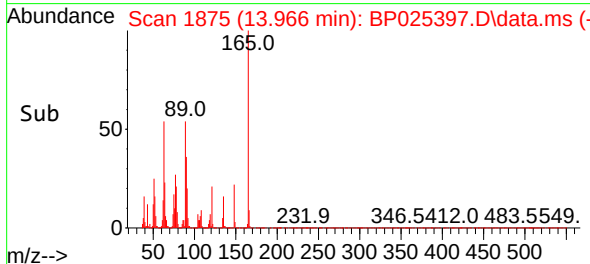
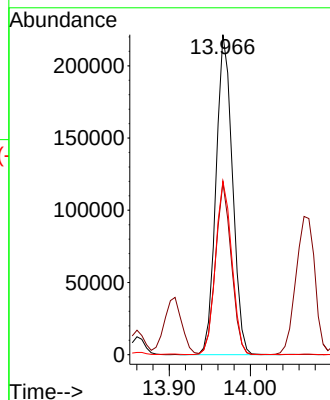
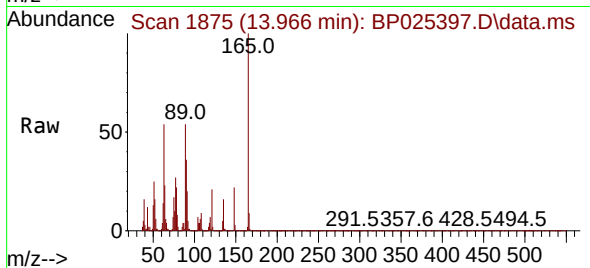




#51
2,6-Dinitrotoluene
Concen: 53.683 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

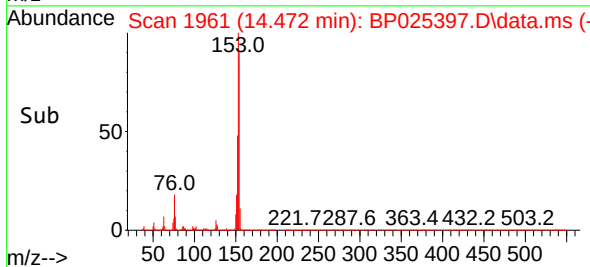
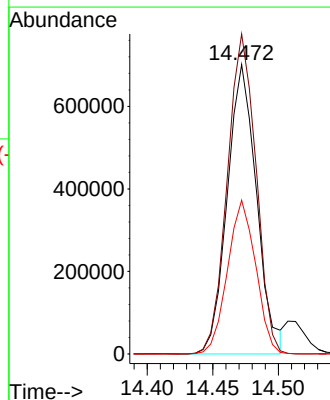
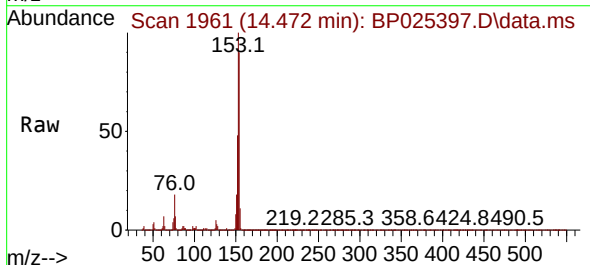
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

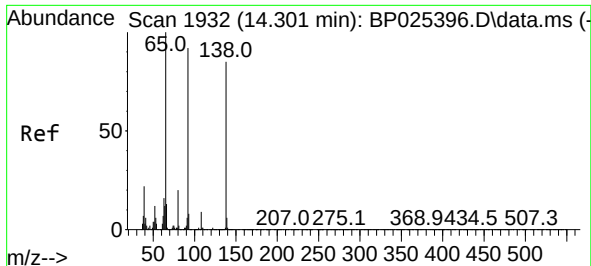
Tgt Ion:165 Resp: 312149
Ion Ratio Lower Upper
165 100
63 53.8 40.9 61.3
89 54.2 42.1 63.1



#52
Acenaphthene
Concen: 52.577 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1087721
Ion Ratio Lower Upper
154 100
153 110.6 90.2 135.2
152 53.1 42.1 63.1

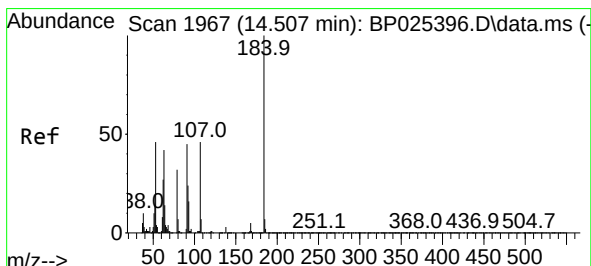
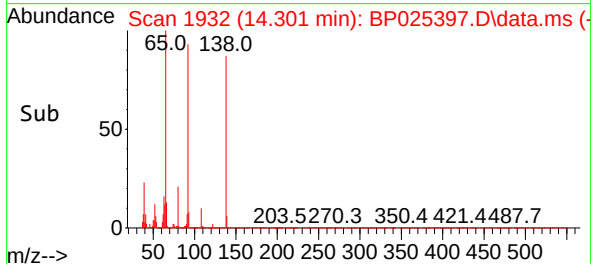
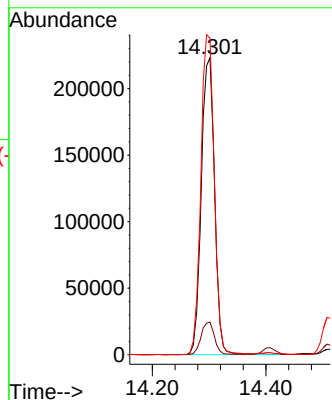
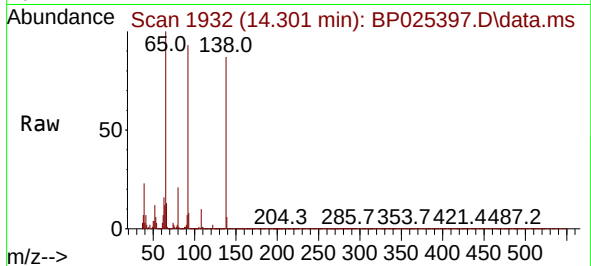




#53
3-Nitroaniline
Concen: 55.339 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

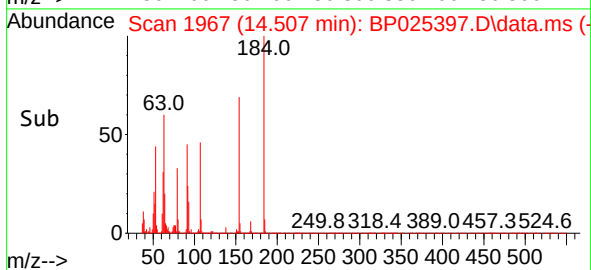
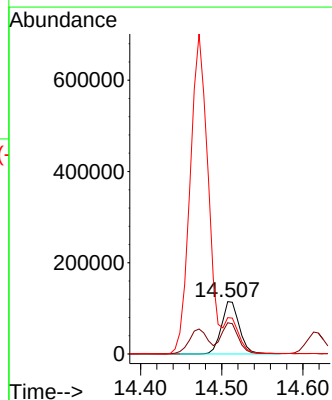
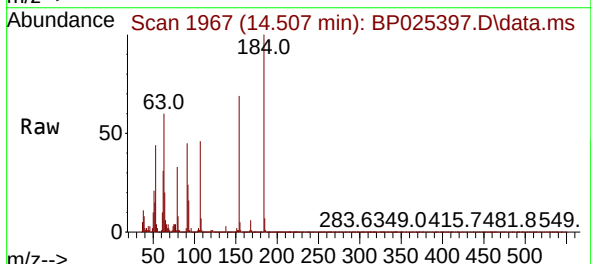
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

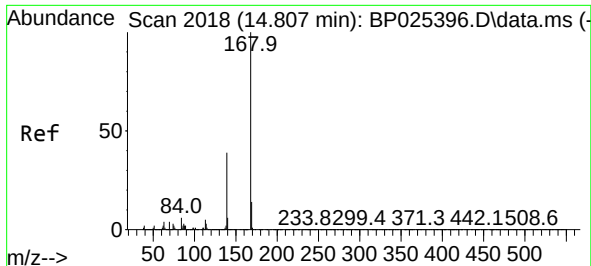
Tgt Ion:138 Resp: 362030
Ion Ratio Lower Upper
138 100
108 11.0 8.3 12.5
92 106.6 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 56.503 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:184 Resp: 175453
Ion Ratio Lower Upper
184 100
63 59.7 49.4 74.2
154 69.4 54.6 82.0

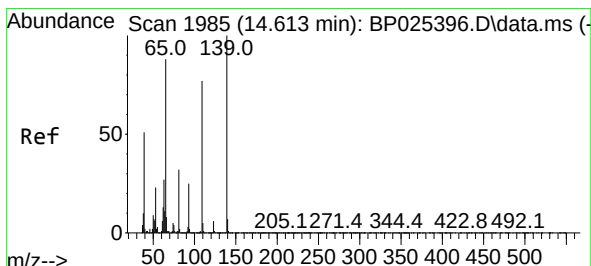
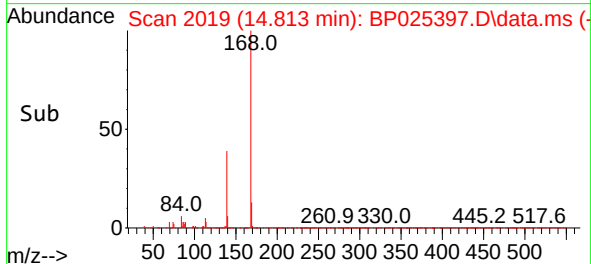
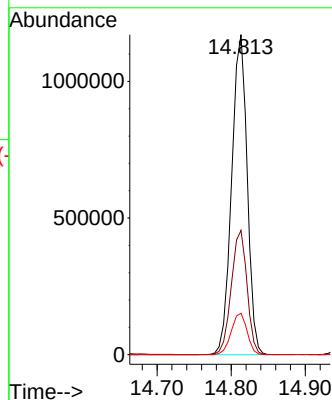
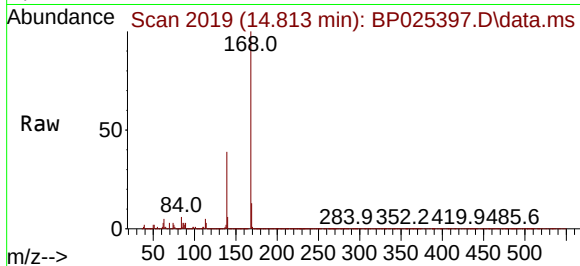




#55
Dibenzenofuran
Concen: 52.147 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

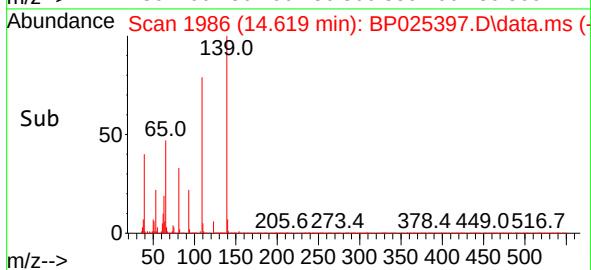
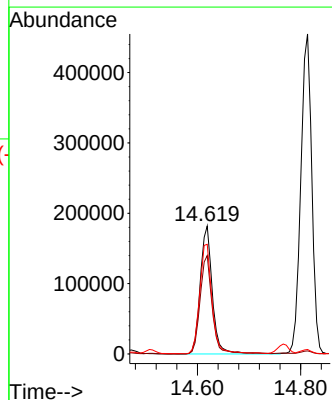
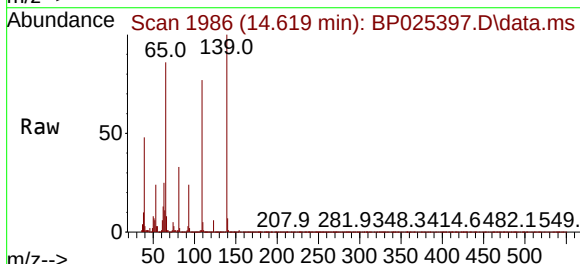
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

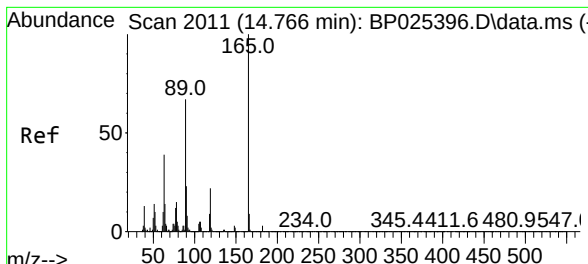
Tgt Ion:168 Resp: 1705630
Ion Ratio Lower Upper
168 100
139 38.9 31.5 47.3
169 13.0 10.9 16.3



#56
4-Nitrophenol
Concen: 55.103 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:139 Resp: 296227
Ion Ratio Lower Upper
139 100
109 76.8 56.6 96.6
65 85.5 68.2 108.2



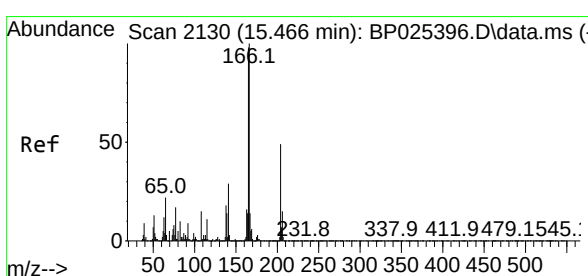
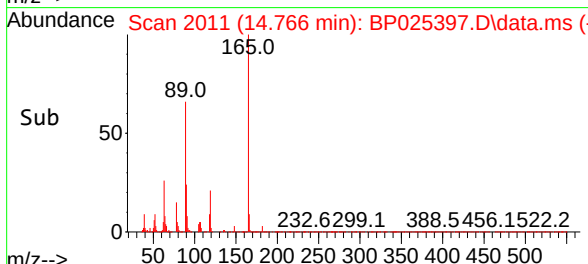
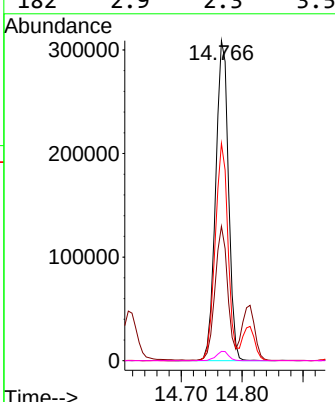
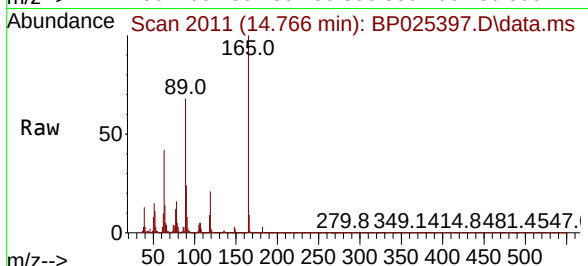


#57
 2,4-Dinitrotoluene
 Concen: 54.354 ng
 RT: 14.766 min Scan# 2011
 Delta R.T. 0.000 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Tgt Ion:165 Resp: 450923

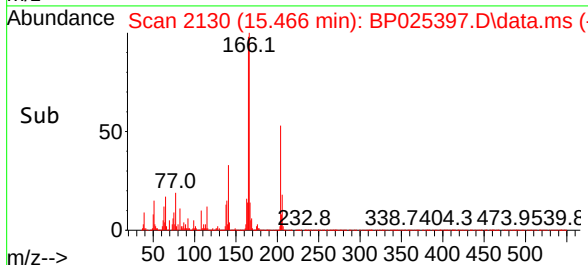
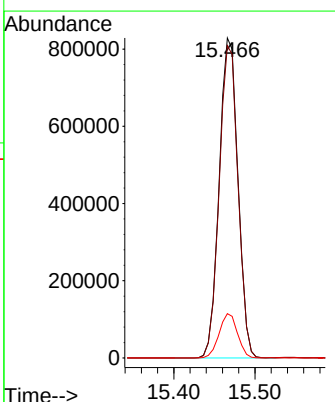
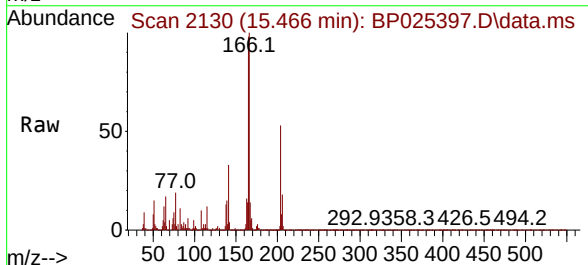
Ion	Ratio	Lower	Upper
165	100		
63	42.0	31.4	47.2
89	67.9	53.3	79.9
182	2.9	2.3	3.5

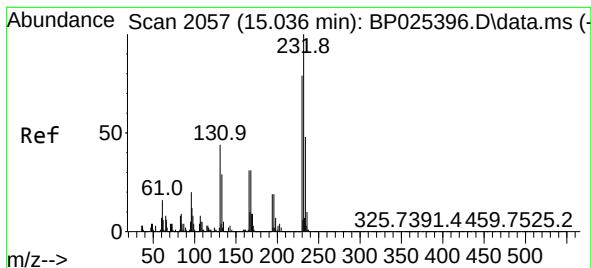


#58
 Fluorene
 Concen: 51.627 ng
 RT: 15.466 min Scan# 2130
 Delta R.T. 0.000 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Tgt Ion:166 Resp: 1332448

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	13.9	11.0	16.4

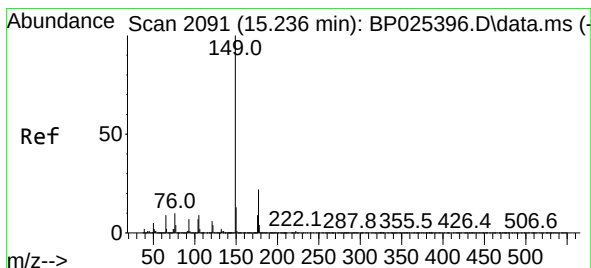
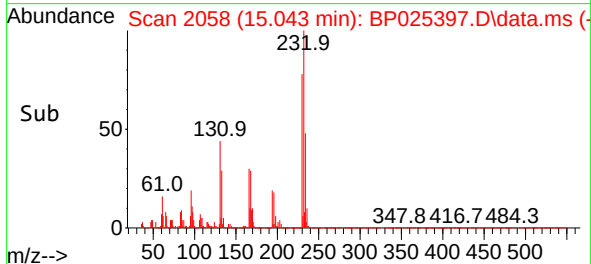
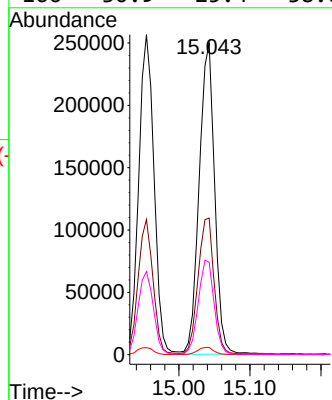
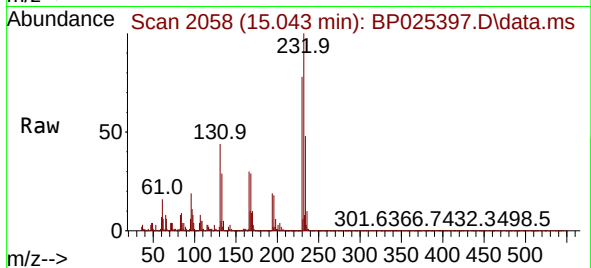




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.281 ng
RT: 15.043 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

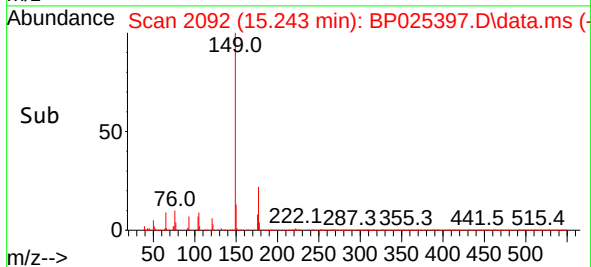
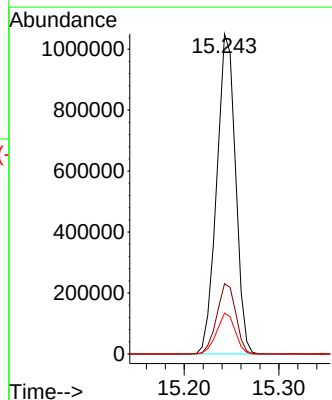
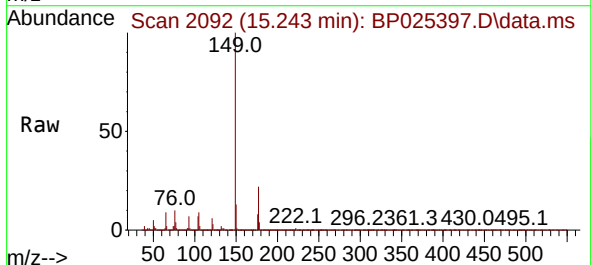
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

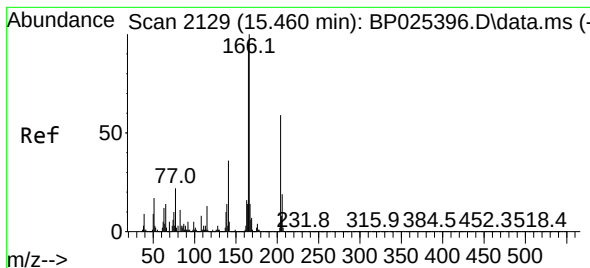
Tgt Ion:232 Resp: 378743
Ion Ratio Lower Upper
232 100
131 46.0 37.0 55.6
130 2.5 1.9 2.9
166 30.9 25.4 38.0



#60
Diethylphthalate
Concen: 51.728 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1450033
Ion Ratio Lower Upper
149 100
177 21.9 17.3 25.9
150 12.8 10.3 15.5

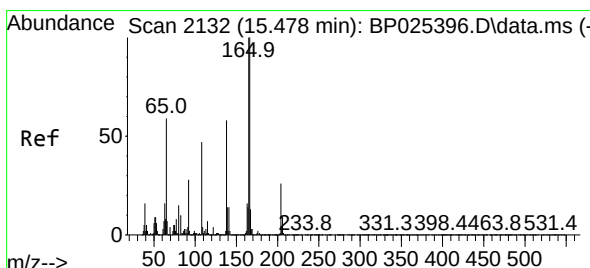
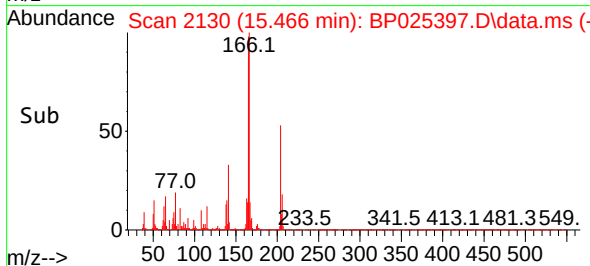
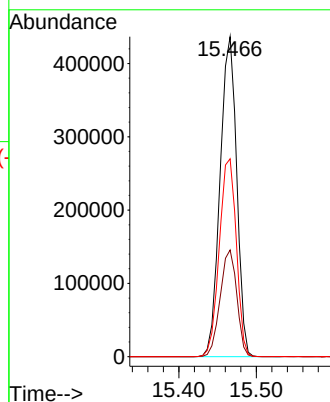
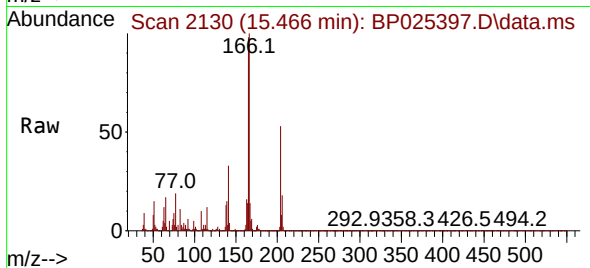




#61
4-Chlorophenyl-phenylether
Concen: 50.647 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

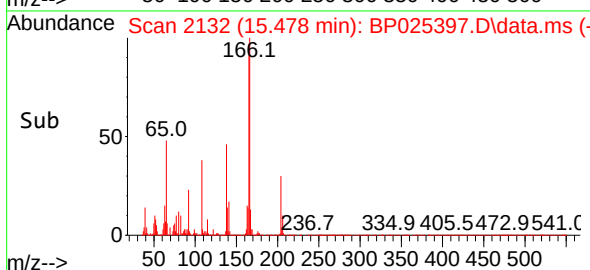
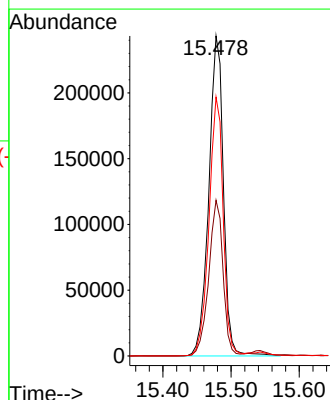
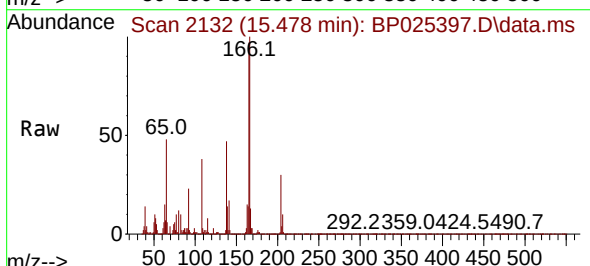
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

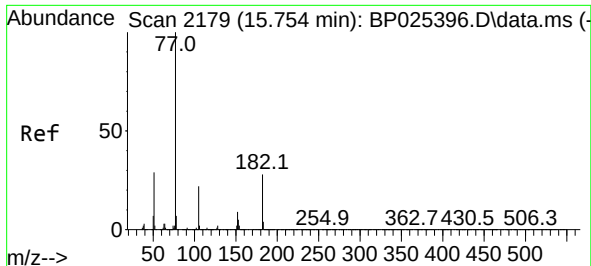
Tgt Ion:204 Resp: 650101
Ion Ratio Lower Upper
204 100
206 33.4 25.8 38.8
141 61.8 49.4 74.2



#62
4-Nitroaniline
Concen: 54.278 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:138 Resp: 364030
Ion Ratio Lower Upper
138 100
92 48.6 29.1 69.1
108 80.9 61.5 101.5



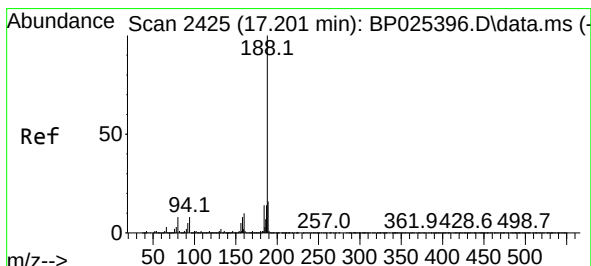
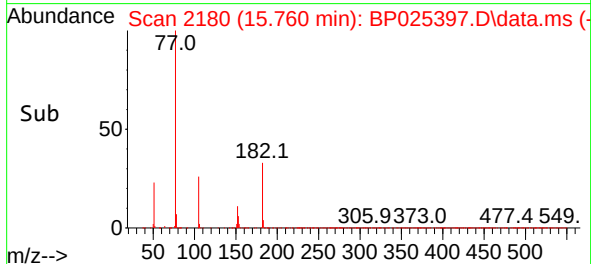
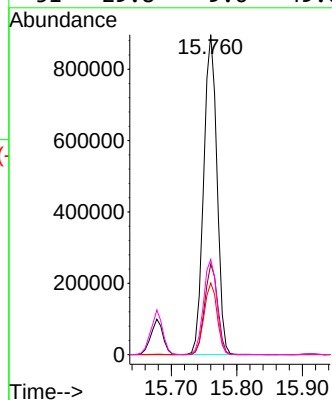
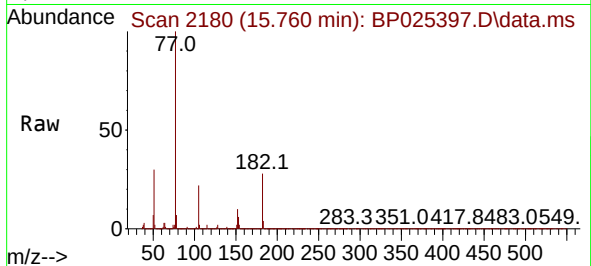


#63
Azobenzene
Concen: 52.602 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1262576

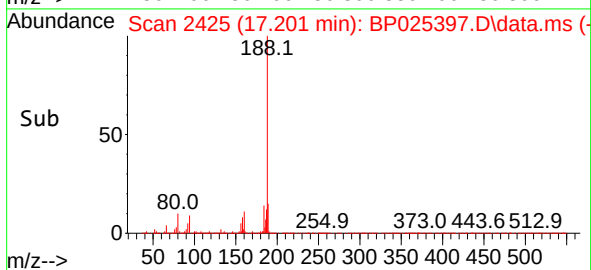
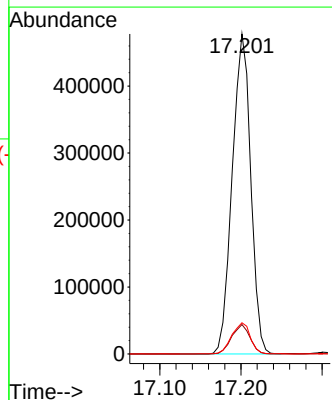
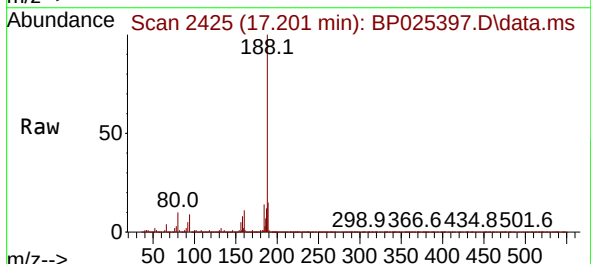
Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	22.4	2.1	42.1
51	29.8	9.6	49.6

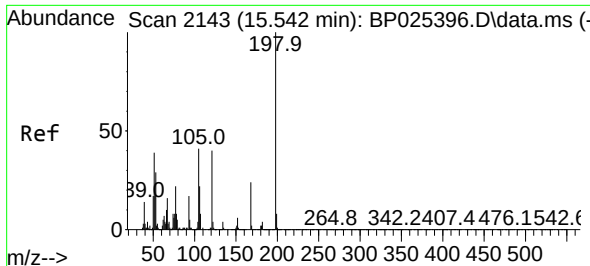


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 188 Resp: 753705

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.8	6.7	10.1

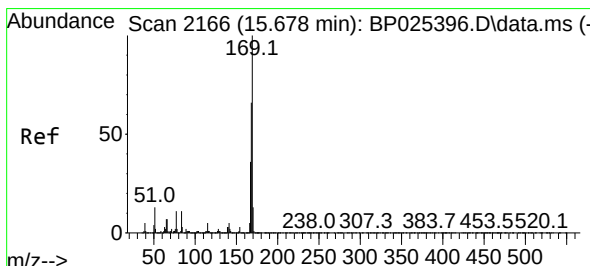
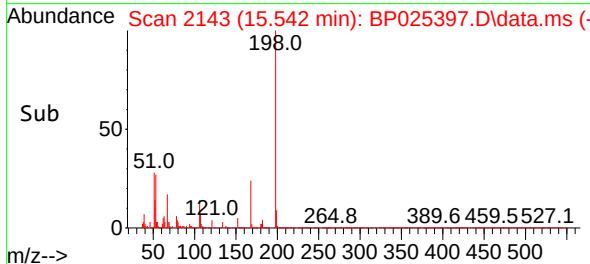
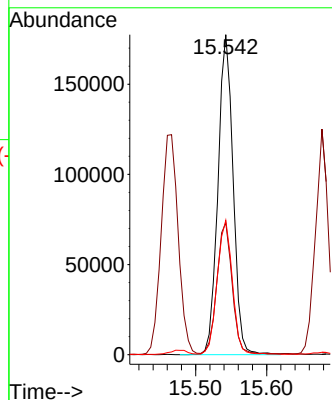
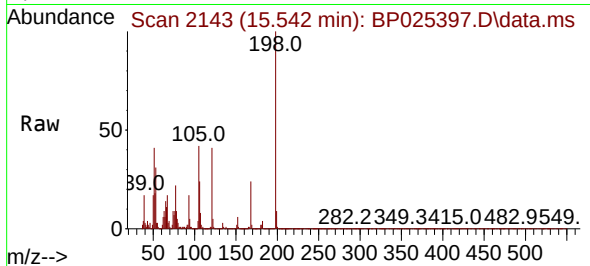




#65
4,6-Dinitro-2-methylphenol
Concen: 55.792 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

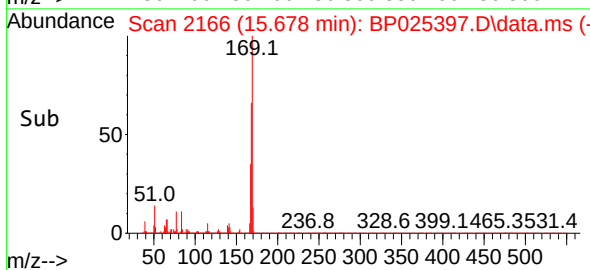
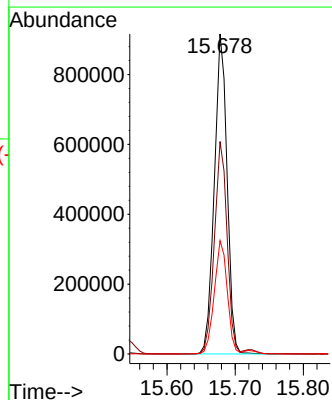
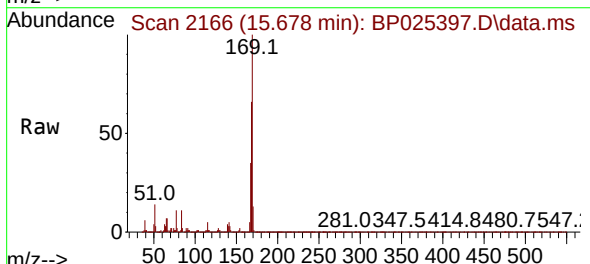
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

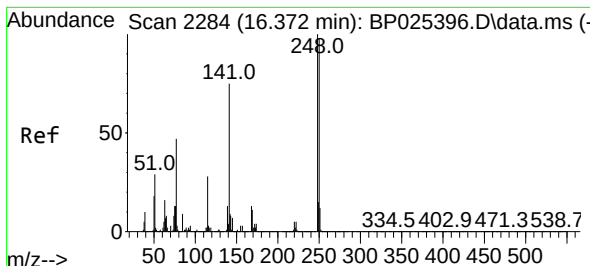
Tgt Ion:198 Resp: 262126
Ion Ratio Lower Upper
198 100
51 41.2 19.6 59.6
105 42.0 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 51.997 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:169 Resp: 1195077
Ion Ratio Lower Upper
169 100
168 66.4 53.2 79.8
167 35.4 28.7 43.1

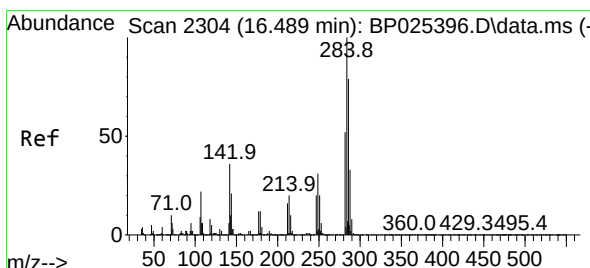
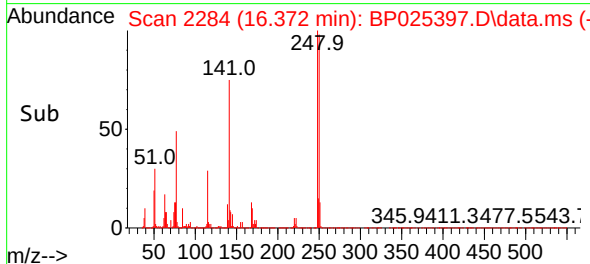
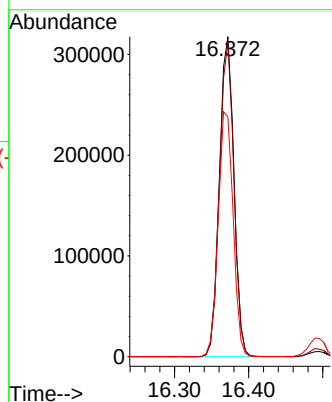
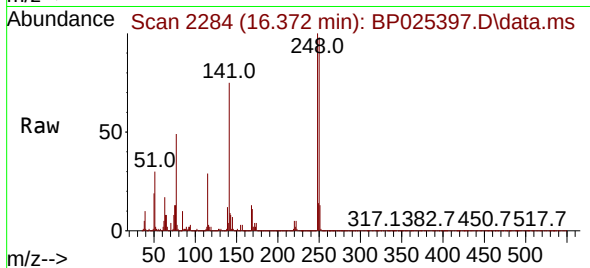




#67
4-Bromophenyl-phenylether
Concen: 52.325 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

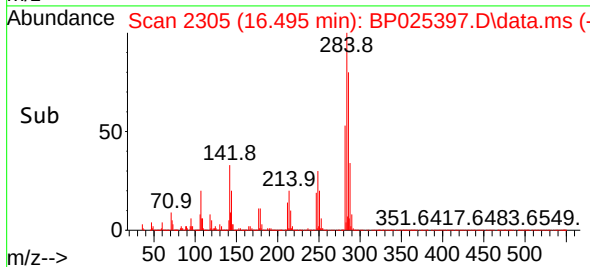
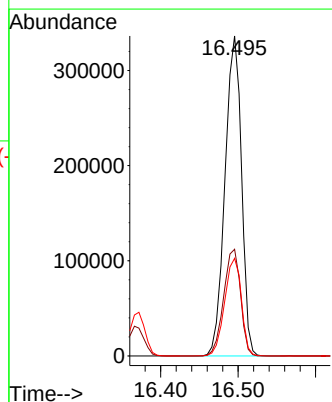
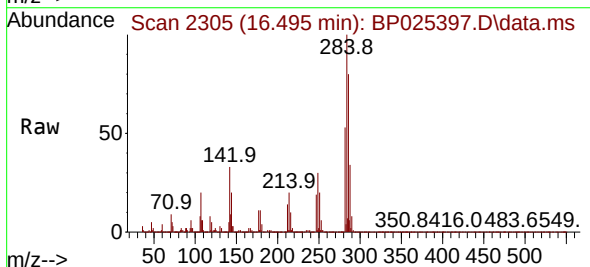
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

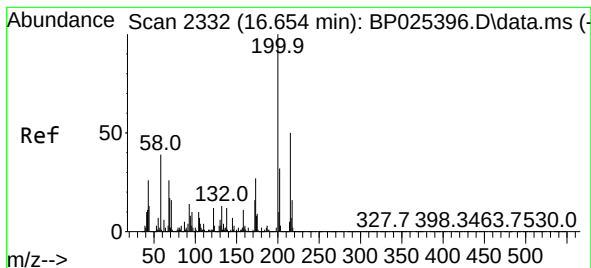
Tgt Ion:248 Resp: 433740
Ion Ratio Lower Upper
248 100
250 98.3 78.2 117.2
141 75.0 59.6 89.4



#68
Hexachlorobenzene
Concen: 51.816 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:284 Resp: 497906
Ion Ratio Lower Upper
284 100
142 33.3 29.1 43.7
249 30.5 25.0 37.4





#69

Atrazine

Concen: 52.479 ng

RT: 16.654 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

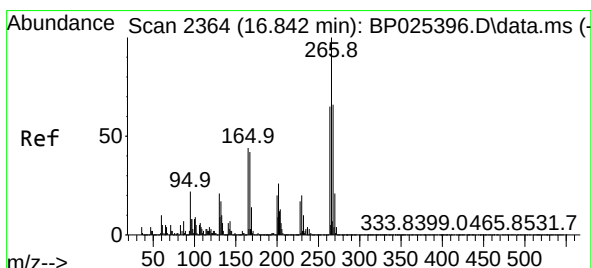
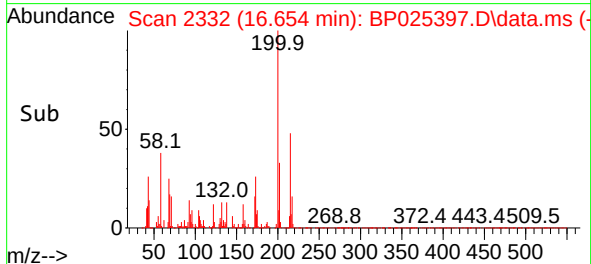
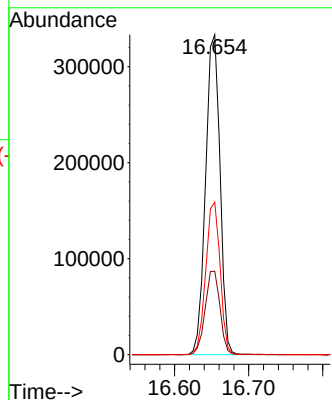
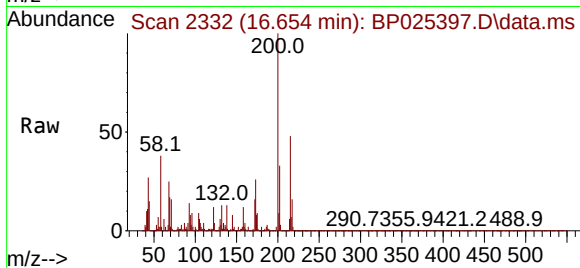
Tgt Ion:200 Resp: 451704

Ion Ratio Lower Upper

200 100

173 26.1 6.7 46.7

215 47.7 29.7 69.7



#70

Pentachlorophenol

Concen: 54.872 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

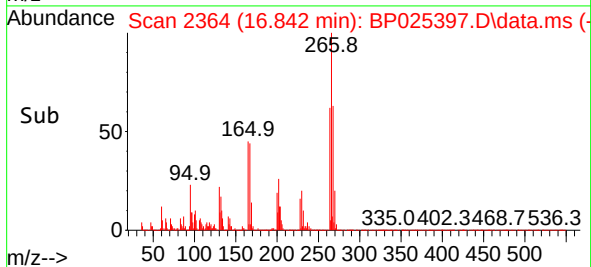
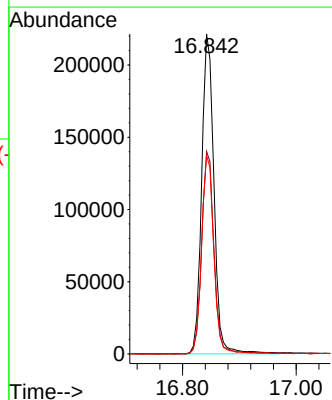
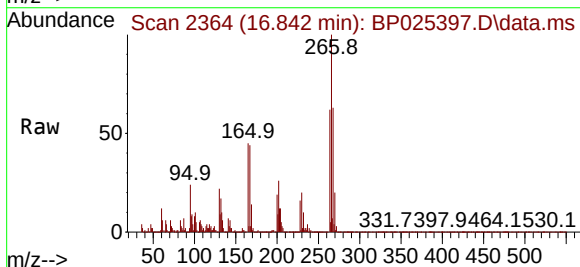
Tgt Ion:266 Resp: 332839

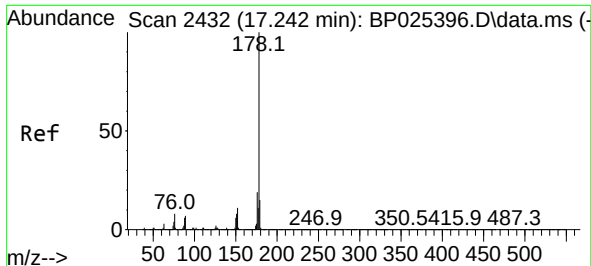
Ion Ratio Lower Upper

266 100

268 63.2 52.6 79.0

264 62.1 52.0 78.0

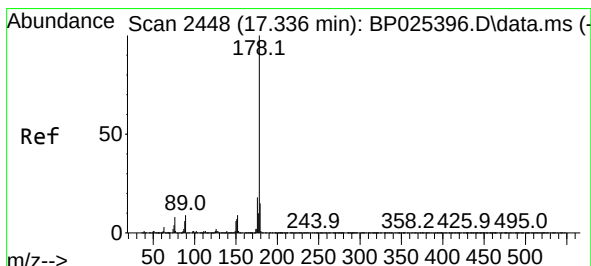
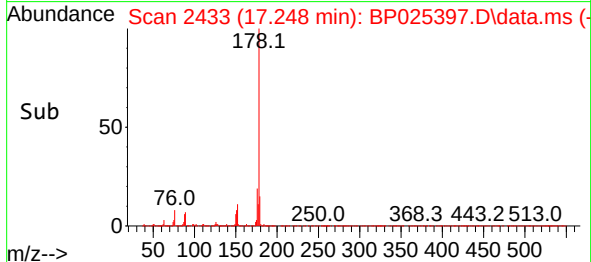
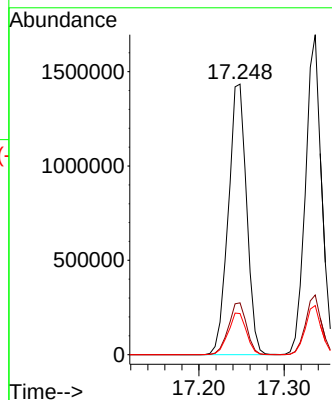
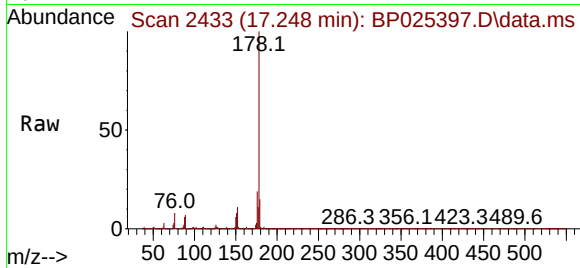




#71
Phenanthrene
Concen: 51.673 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

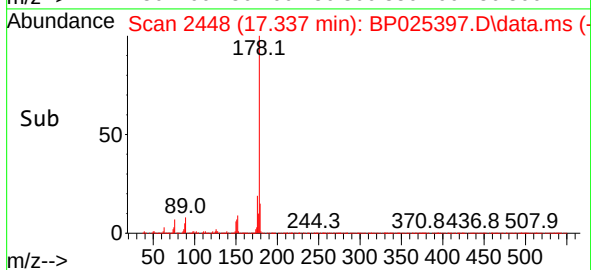
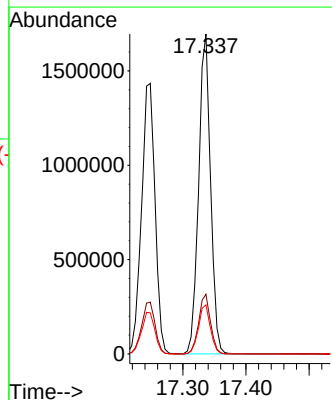
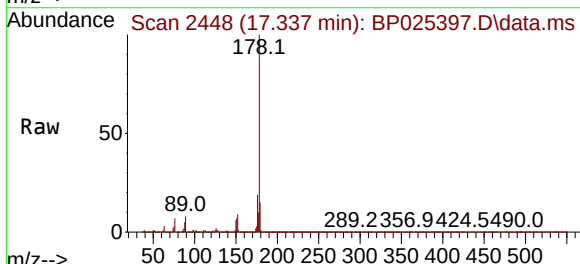
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

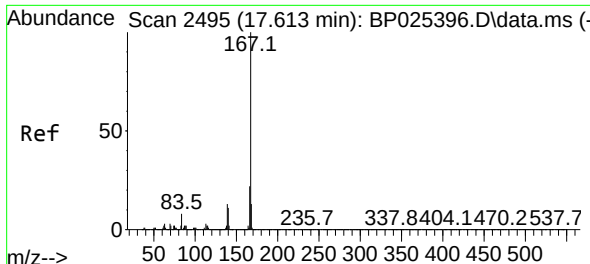
Tgt Ion:178 Resp: 2139431
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.2 18.4



#72
Anthracene
Concen: 52.385 ng
RT: 17.337 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:178 Resp: 2214911
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.4 12.2 18.2

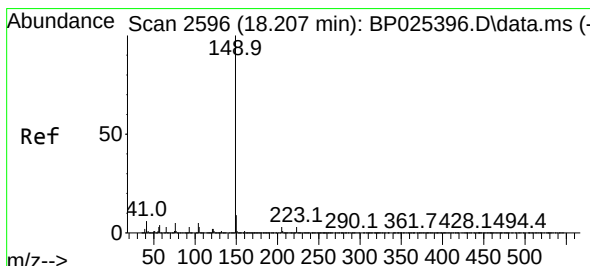
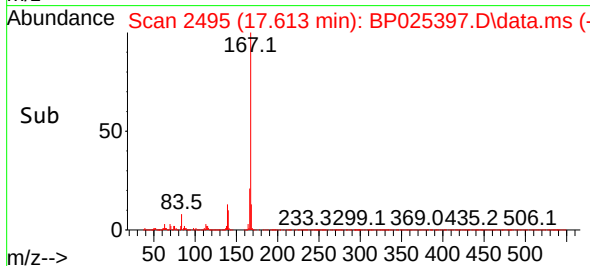
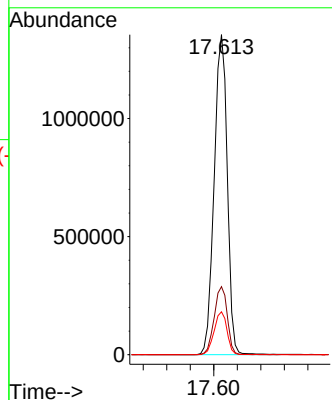
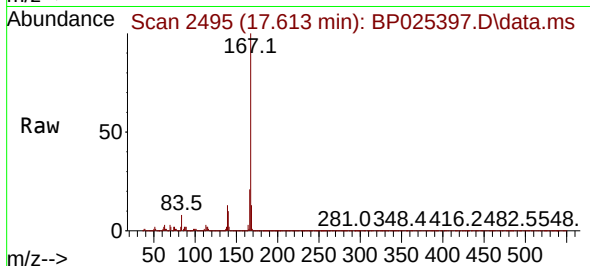




#73
Carbazole
Concen: 52.559 ng
RT: 17.613 min Scan# 2495
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

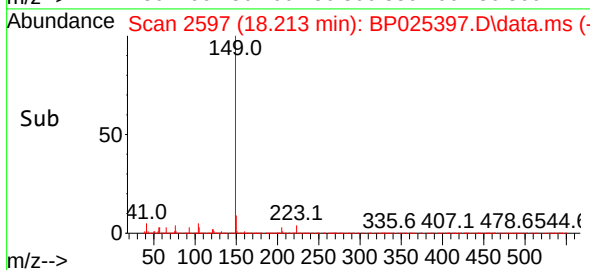
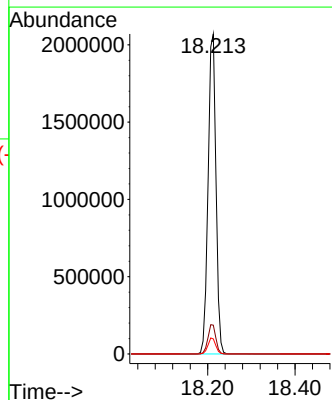
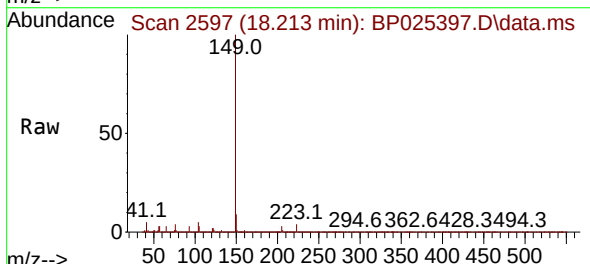
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

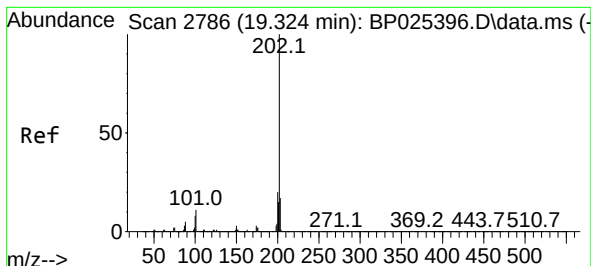
Tgt Ion:167 Resp: 2093175
Ion Ratio Lower Upper
167 100
166 21.2 17.5 26.3
139 13.4 10.6 16.0



#74
Di-n-butylphthalate
Concen: 52.849 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 2589522
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.7 4.2 6.2

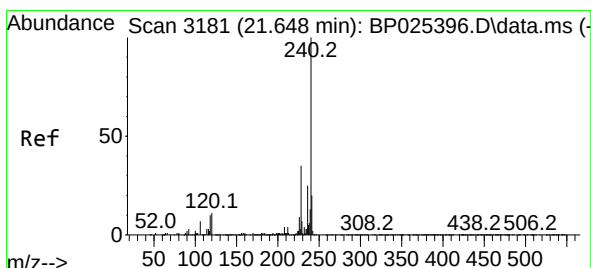
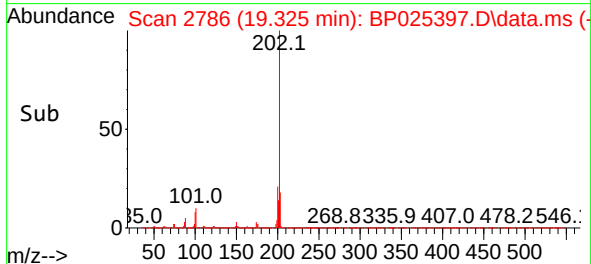
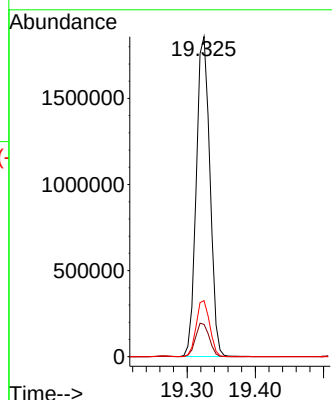
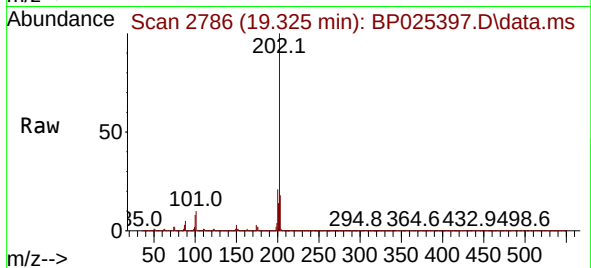




#75
Fluoranthene
Concen: 51.910 ng
RT: 19.325 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

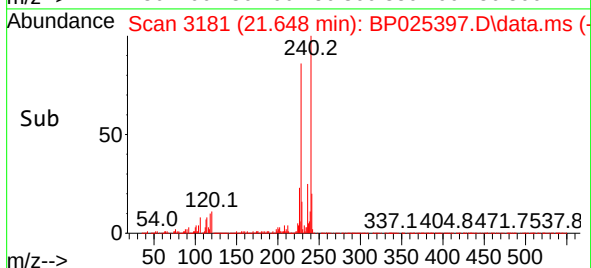
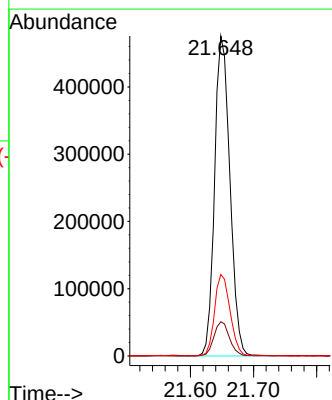
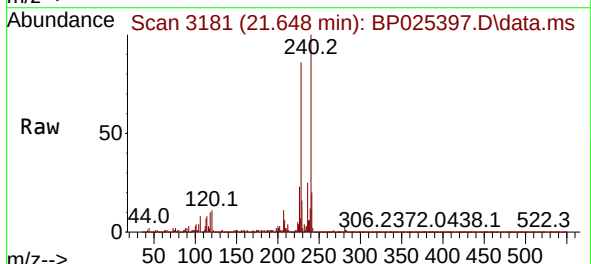
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

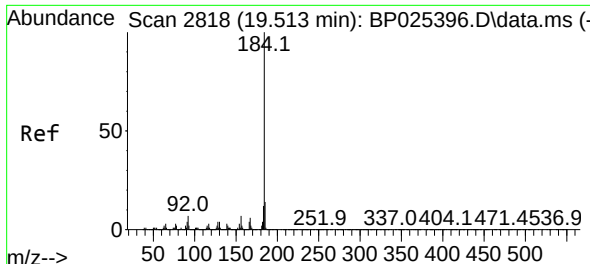
Tgt Ion:202 Resp: 2563702
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.1
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:240 Resp: 801742
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.5 19.8 29.8

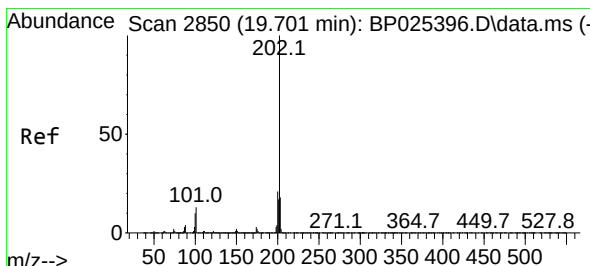
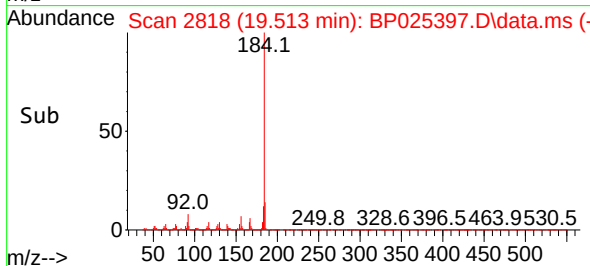
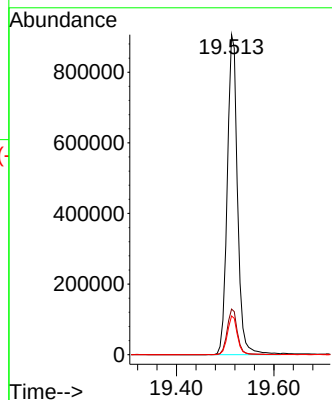
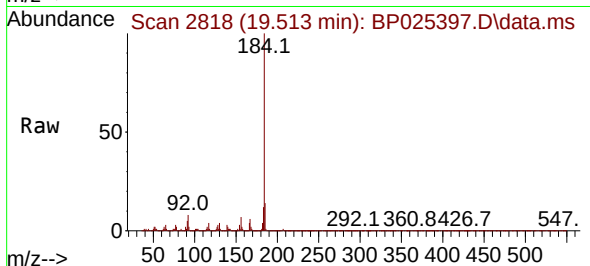




#77
Benzidine
Concen: 48.615 ng
RT: 19.513 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

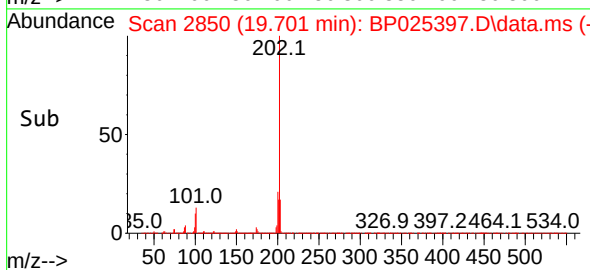
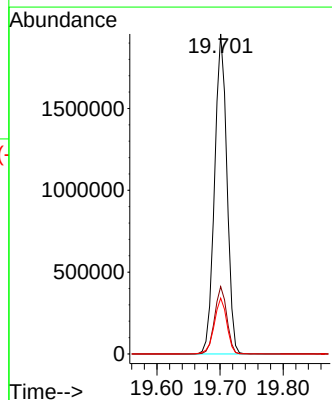
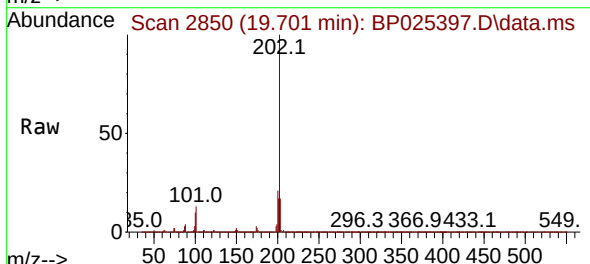
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

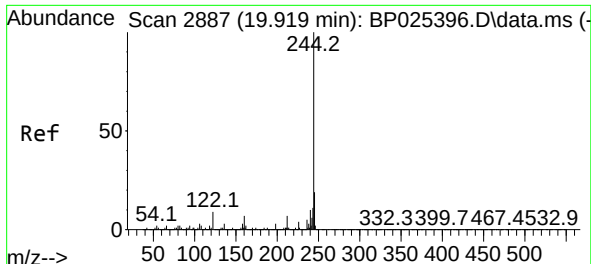
Tgt Ion:184 Resp: 1330198
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 12.1 9.4 14.2



#78
Pyrene
Concen: 50.754 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:202 Resp: 2644850
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.4 14.2 21.2

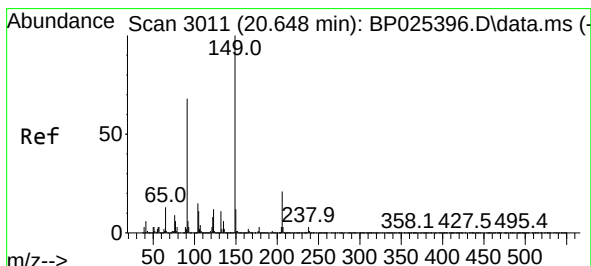
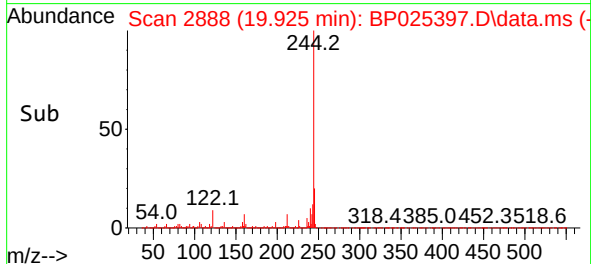
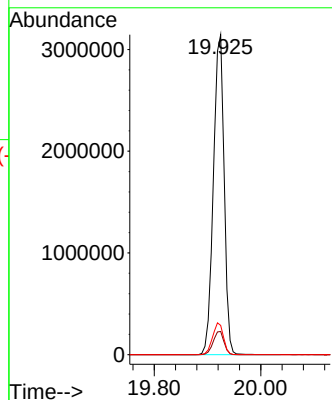
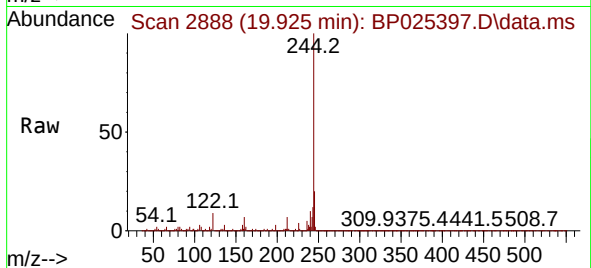




#79
 Terphenyl-d14
 Concen: 100.615 ng
 RT: 19.925 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

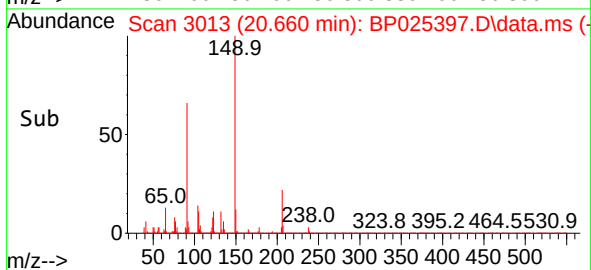
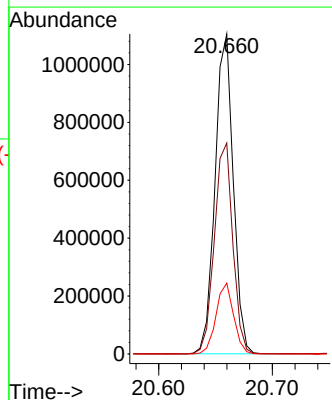
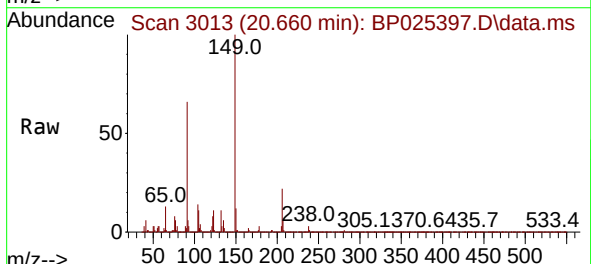
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

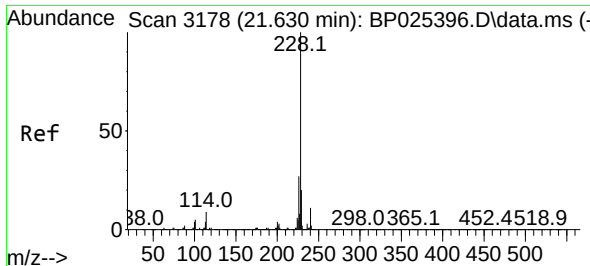
Tgt Ion:244 Resp: 4409094
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.2 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 52.139 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1231376
 Ion Ratio Lower Upper
 149 100
 91 65.9 54.2 81.2
 206 22.2 16.6 24.8

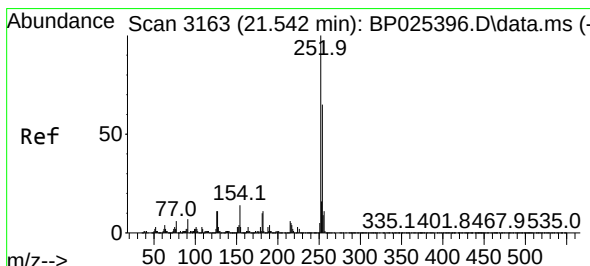
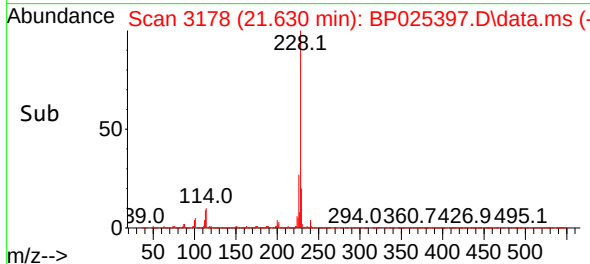
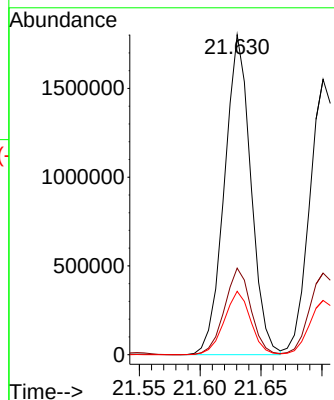
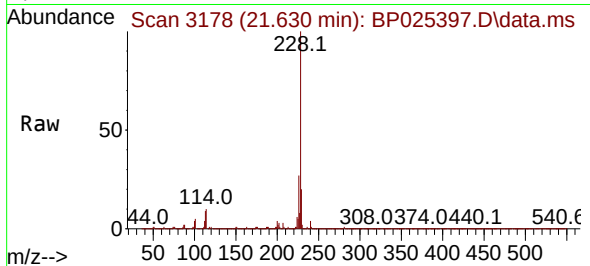




#81
Benzo(a)anthracene
Concen: 51.499 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

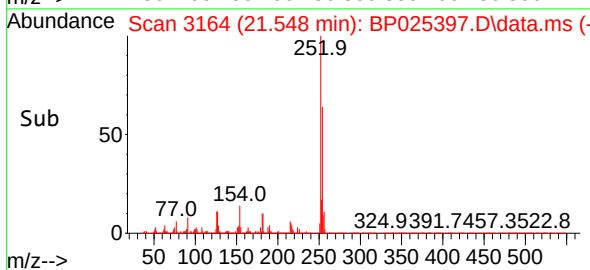
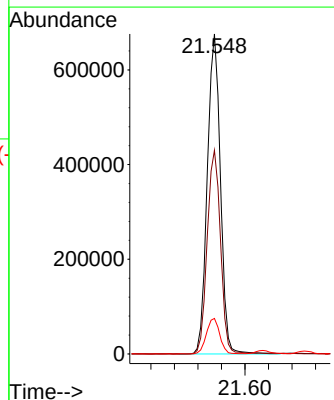
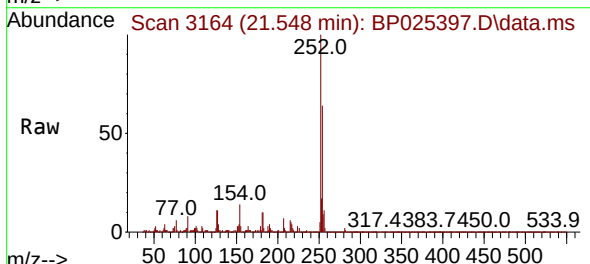
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

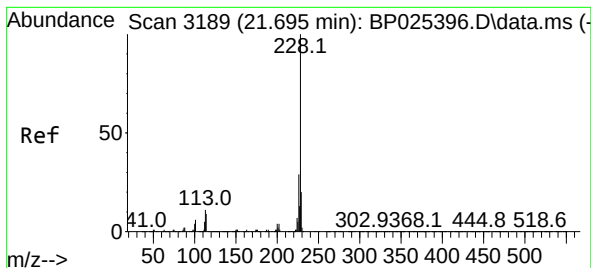
Tgt Ion:228 Resp: 2723006
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.8 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 52.357 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 1043476
Ion Ratio Lower Upper
252 100
254 63.7 51.8 77.6
126 11.1 9.1 13.7





#83

Chrysene

Concen: 51.817 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

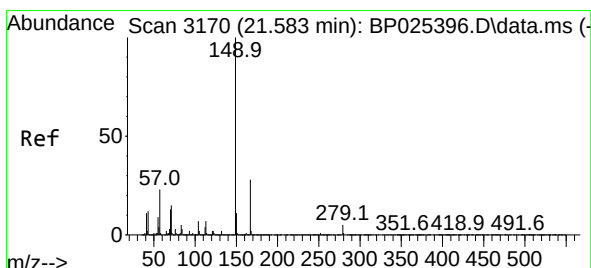
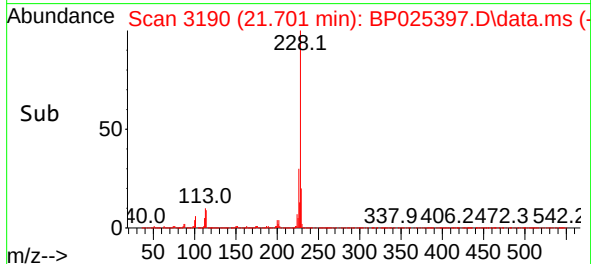
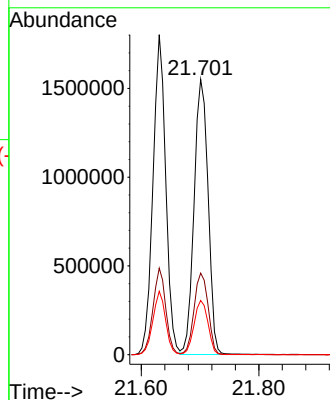
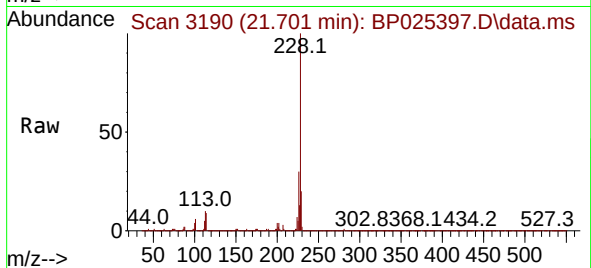
BNA_P

ClientSampleId :

SSTDIC050

Tgt Ion:228 Resp: 2565856

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	19.7	15.6	23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.933 ng

RT: 21.577 min Scan# 3169

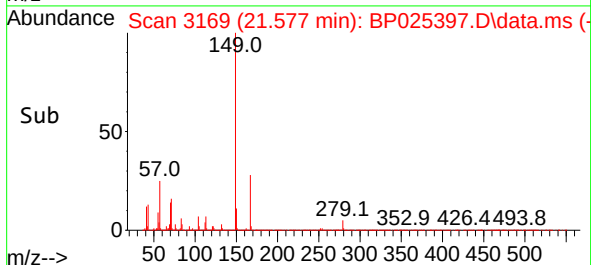
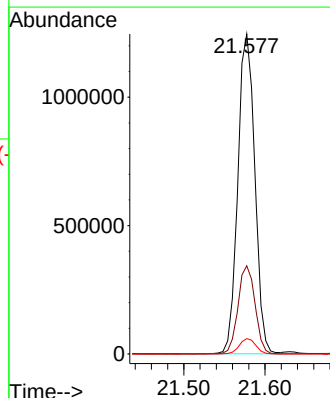
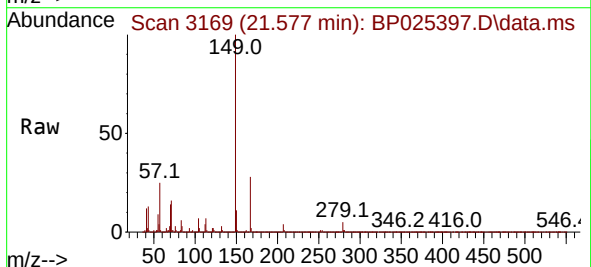
Delta R.T. -0.006 min

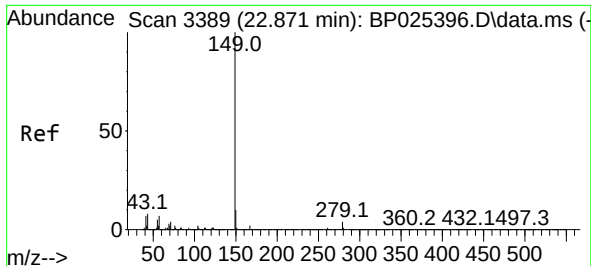
Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1805478

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.8	3.8	5.6

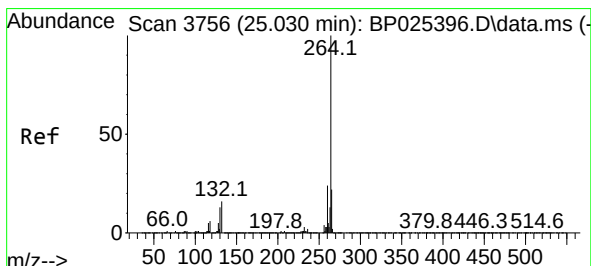
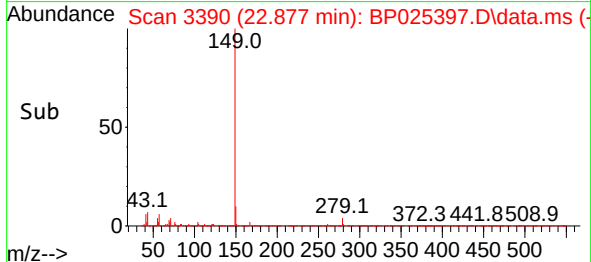
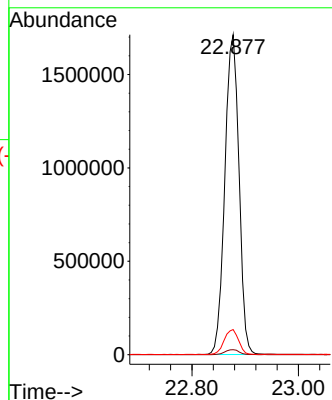
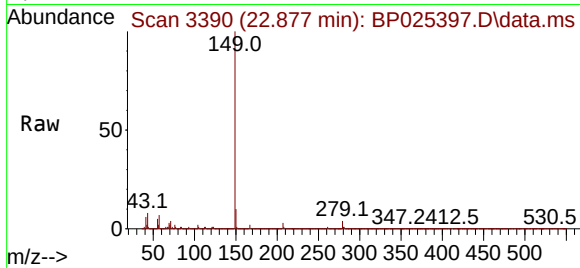




#85
Di-n-octyl phthalate
Concen: 52.690 ng
RT: 22.877 min Scan# 311
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

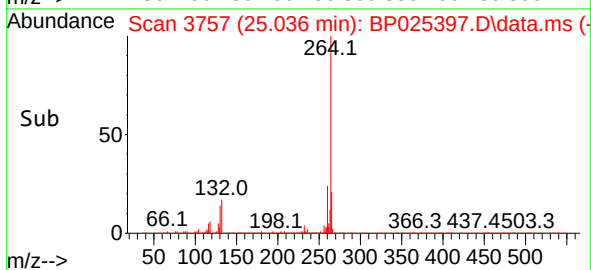
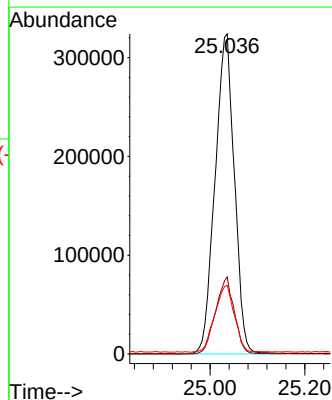
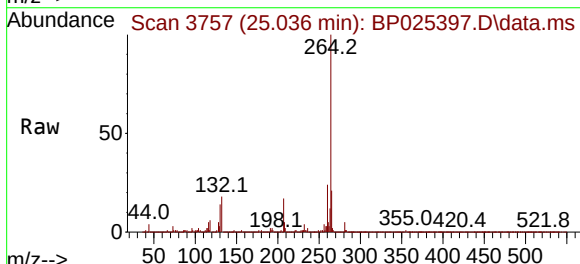
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

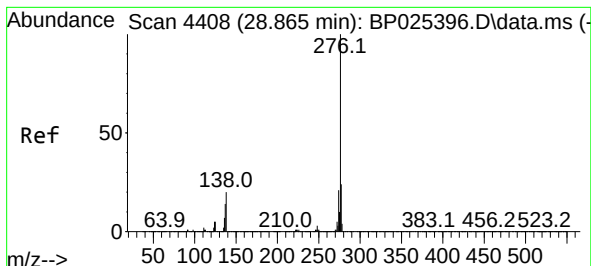
Tgt Ion:149 Resp: 3150824
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:264 Resp: 918939
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 21.464 ng

RT: 28.859 min Scan# 4408

Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

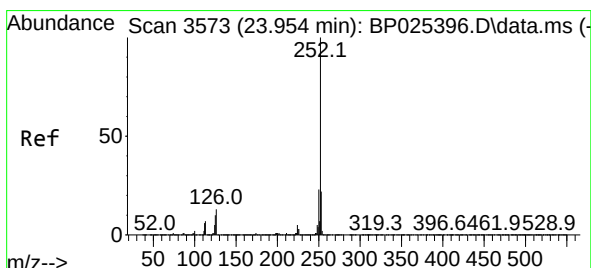
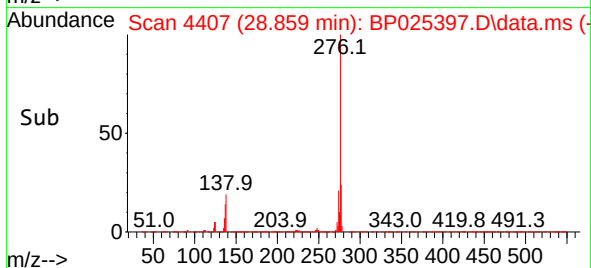
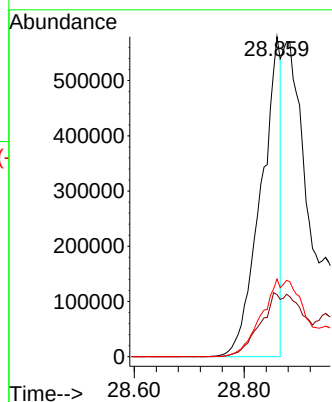
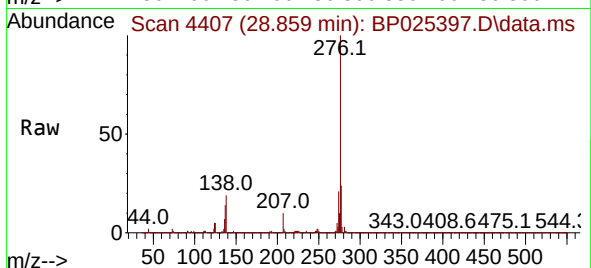
Tgt Ion:276 Resp: 1446981

Ion Ratio Lower Upper

276 100

138 20.6 12.9 19.3#

277 24.2 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 52.982 ng

RT: 23.960 min Scan# 3574

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

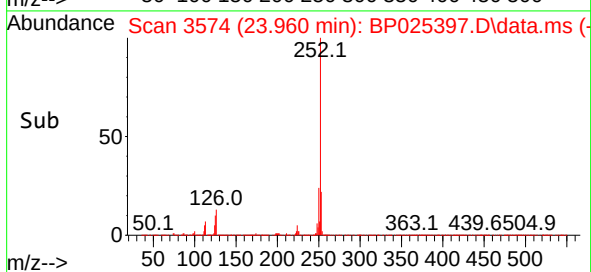
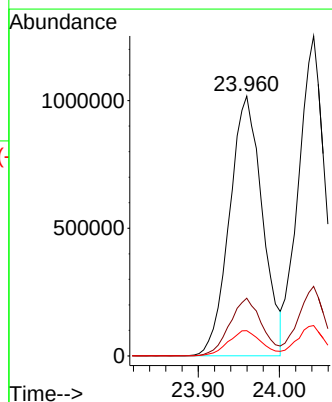
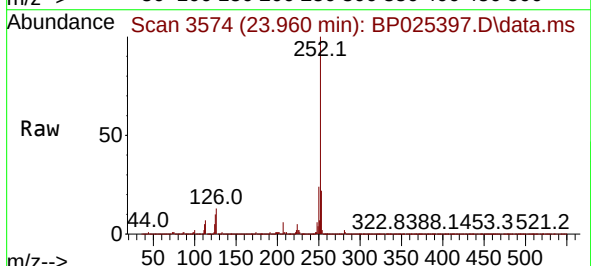
Tgt Ion:252 Resp: 2870971

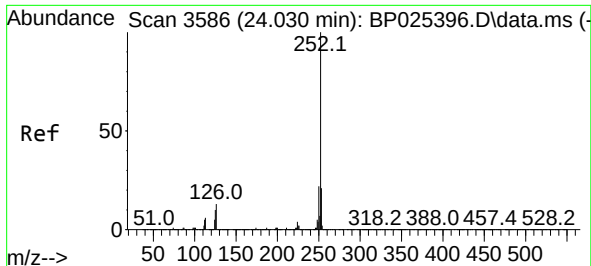
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.8 7.9 11.9

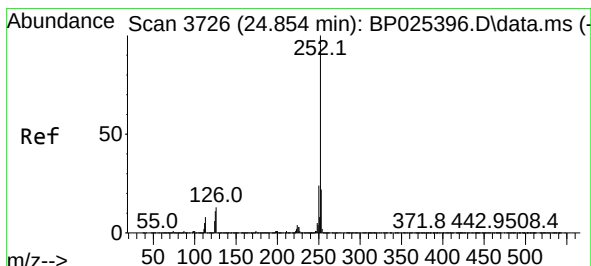
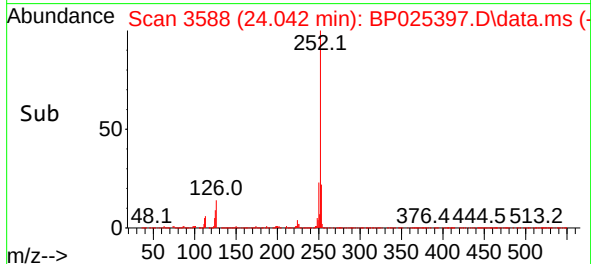
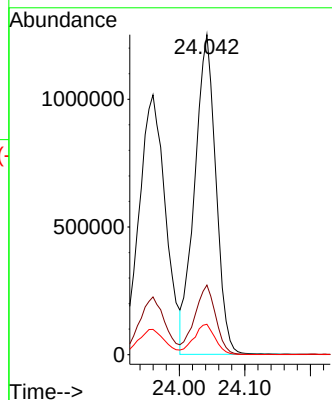
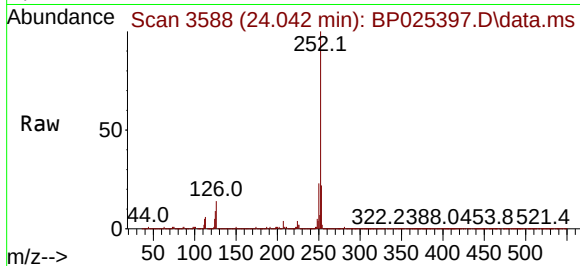




#89
Benzo(k)fluoranthene
Concen: 51.956 ng
RT: 24.042 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

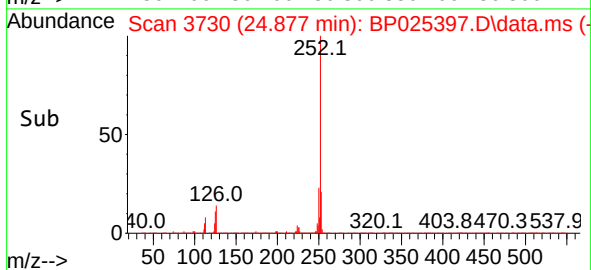
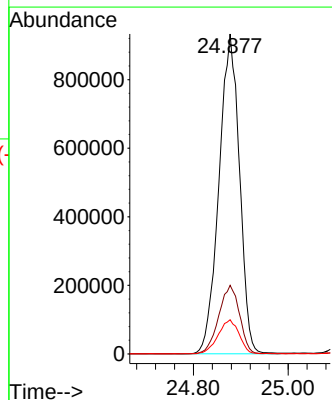
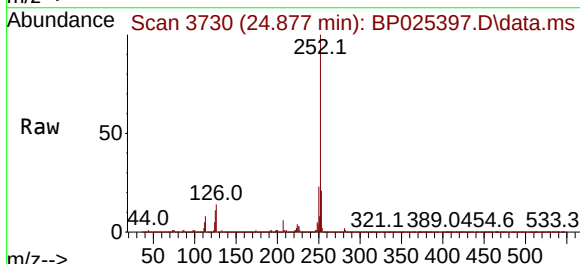
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

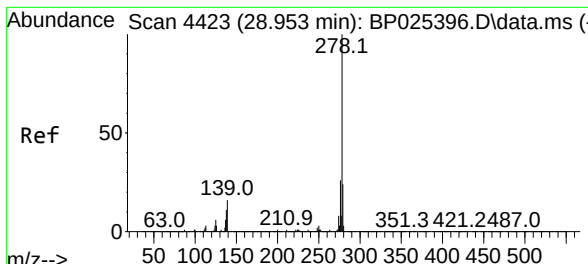
Tgt Ion:252 Resp: 2817276
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 9.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 53.100 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 2800880
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.7 8.7 13.1



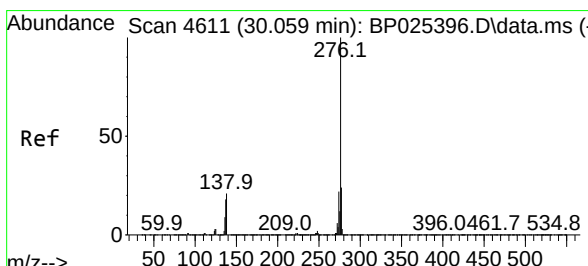
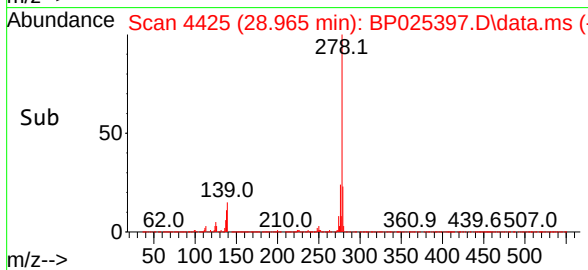
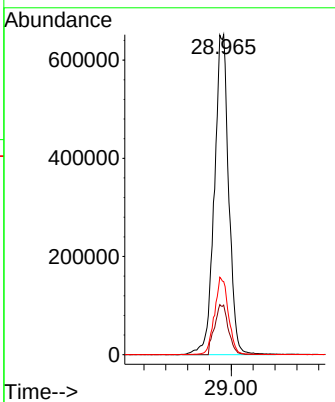
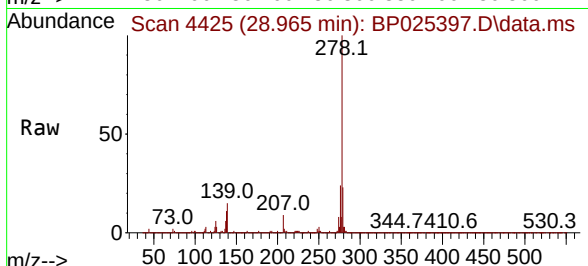


#91
 Dibenzo(a,h)anthracene
 Concen: 53.795 ng
 RT: 28.965 min Scan# 44
 Delta R.T. 0.012 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Tgt Ion: 278 Resp: 2962622

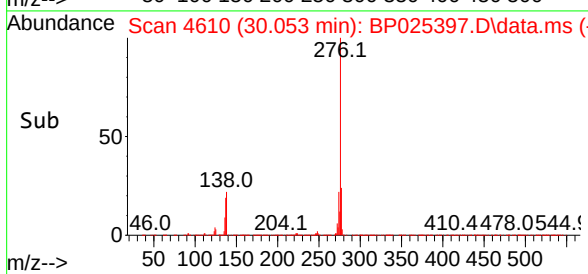
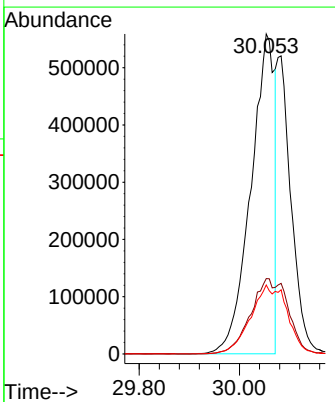
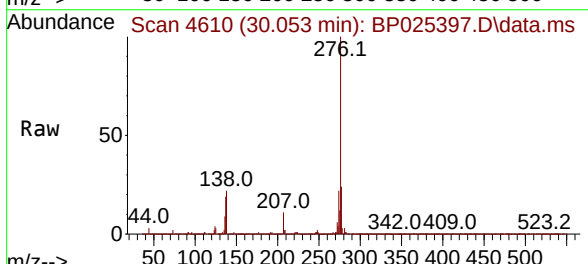
Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.0	19.4
279	22.9	19.4	29.2



#92
 Benzo(g,h,i)perylene
 Concen: 34.009 ng
 RT: 30.053 min Scan# 4610
 Delta R.T. -0.006 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Tgt Ion: 276 Resp: 1840881

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	21.6	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 14 17:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	159148	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	673018	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	436046	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	856946	20.000	ng	# 0.00
76) Chrysene-d12	21.660	240	888879	20.000	ng	0.01
86) Perylene-d12	25.030	264	1037707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1526166	159.254	ng	0.00
7) Phenol-d6	6.972	99	1989633	161.937	ng	0.00
23) Nitrobenzene-d5	8.937	82	2123522	159.609	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	936489	159.559	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	4712591	147.705	ng	0.00
79) Terphenyl-d14	19.930	244	7103816	146.217	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	291527	77.664	ng	99
3) Pyridine	3.731	79	807269	78.572	ng	97
4) n-Nitrosodimethylamine	3.637	42	344349	81.296	ng	99
6) Aniline	7.131	93	1333221	80.538	ng	100
8) 2-Chlorophenol	7.372	128	877073	81.104	ng	99
9) Benzaldehyde	6.943	77	582344	67.651	ng	98
10) Phenol	7.002	94	1040534	80.710	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	798672	79.481	ng	99
12) 1,3-Dichlorobenzene	7.684	146	950596	79.718	ng	98
13) 1,4-Dichlorobenzene	7.825	146	961421	78.882	ng	99
14) 1,2-Dichlorobenzene	8.143	146	922658	78.203	ng	99
15) Benzyl Alcohol	8.031	79	795618	81.498	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1059824	78.732	ng	99
17) 2-Methylphenol	8.225	107	734482	82.028	ng	100
18) Hexachloroethane	8.866	117	355791	79.395	ng	94
19) n-Nitroso-di-n-propyla...	8.596	70	636387	78.102	ng	99
20) 3+4-Methylphenols	8.555	107	1005632	81.023	ng	97
22) Acetophenone	8.607	105	1314548	77.886	ng	99
24) Nitrobenzene	8.978	77	947511	79.686	ng	99
25) Isophorone	9.507	82	1829675	77.708	ng	99
26) 2-Nitrophenol	9.678	139	511806	83.872	ng	99
27) 2,4-Dimethylphenol	9.743	122	842467	80.280	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	1103640	77.542	ng	99
29) 2,4-Dichlorophenol	10.213	162	844787	81.037	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	892771	78.123	ng	98
31) Naphthalene	10.613	128	2722703	77.835	ng	99
32) Benzoic acid	9.901	122	686791	88.861	ng	99
33) 4-Chloroaniline	10.713	127	1232431	79.761	ng	100
34) Hexachlorobutadiene	10.901	225	557922	78.393	ng	99
35) Caprolactam	11.519	113	302874	79.233	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	949779	79.399	ng	99
37) 2-Methylnaphthalene	12.213	142	1761325	77.372	ng	99
38) 1-Methylnaphthalene	12.437	142	1844376	76.186	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	995064	79.014	ng	100
41) Hexachlorocyclopentadiene	12.572	237	668771	87.916	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	706484	83.096	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 14 17:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

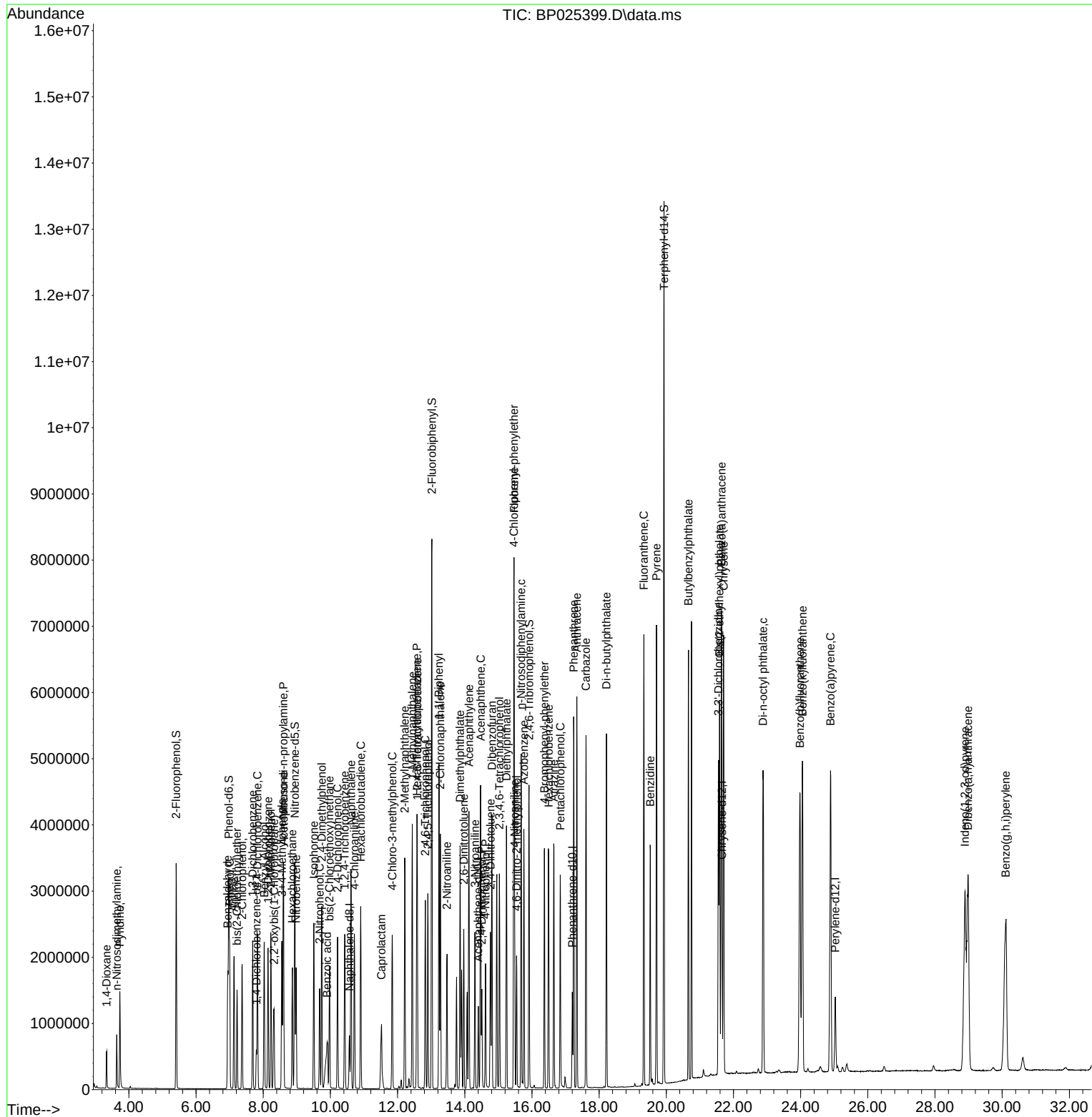
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	762861	81.870	ng	99
46) 1,1'-Biphenyl	13.231	154	2453536	77.476	ng	99
47) 2-Chloronaphthalene	13.272	162	1918120	77.804	ng	100
48) 2-Nitroaniline	13.472	65	594696	82.788	ng	96
49) Acenaphthylene	14.125	152	3194918	78.318	ng	100
50) Dimethylphthalate	13.860	163	2446951	76.632	ng	99
51) 2,6-Dinitrotoluene	13.972	165	542710	80.639	ng	99
52) Acenaphthene	14.472	154	1841448	76.902	ng	99
53) 3-Nitroaniline	14.301	138	618087	81.627	ng	100
54) 2,4-Dinitrophenol	14.507	184	339125	94.356	ng	100
55) Dibenzofuran	14.807	168	2915933	77.023	ng	99
56) 4-Nitrophenol	14.619	139	520294	83.618	ng	96
57) 2,4-Dinitrotoluene	14.766	165	791214	82.399	ng	99
58) Fluorene	15.466	166	2185593	73.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	661890	80.448	ng	100
60) Diethylphthalate	15.242	149	2494087	76.870	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	1105157	74.388	ng	97
62) 4-Nitroaniline	15.484	138	626525	80.710	ng	97
63) Azobenzene	15.760	77	2139674	77.017	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	472602	88.473	ng	93
66) n-Nitrosodiphenylamine	15.678	169	2034782	77.866	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	745915	79.144	ng	98
68) Hexachlorobenzene	16.495	284	860051	78.721	ng	97
69) Atrazine	16.654	200	783533	80.064	ng	98
70) Pentachlorophenol	16.842	266	589673	85.502	ng	98
71) Phenanthrene	17.242	178	3623454	76.972	ng	99
72) Anthracene	17.336	178	3702277	77.014	ng	99
73) Carbazole	17.607	167	3503273	77.368	ng	99
74) Di-n-butylphthalate	18.219	149	4336701	77.844	ng	100
75) Fluoranthene	19.330	202	4313301	76.815	ng	99
77) Benzidine	19.525	184	2036246	67.124	ng	99
78) Pyrene	19.707	202	4410693	76.343	ng	99
80) Butylbenzylphthalate	20.660	149	2054404	78.460	ng	97
81) Benzo(a)anthracene	21.642	228	4532763	77.322	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1705746	77.197	ng	100
83) Chrysene	21.707	228	4218161	76.835	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	3021891	78.400	ng	100
85) Di-n-octyl phthalate	22.877	149	5302080	79.974	ng	100
87) Indeno(1,2,3-cd)pyrene	28.895	276	5473121	71.894	ng	95
88) Benzo(b)fluoranthene	23.977	252	4876398	79.692	ng	100
89) Benzo(k)fluoranthene	24.054	252	4734637	77.323	ng	99
90) Benzo(a)pyrene	24.889	252	4735685	79.505	ng	99
91) Dibenzo(a,h)anthracene	28.983	278	5046260	81.142	ng	99
92) Benzo(g,h,i)perylene	30.106	276	4949477	80.973	ng	98

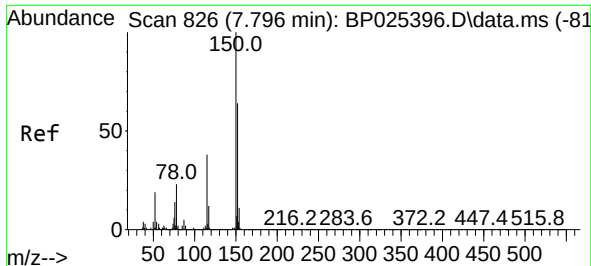
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Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

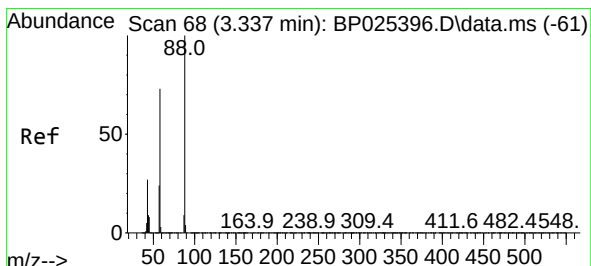
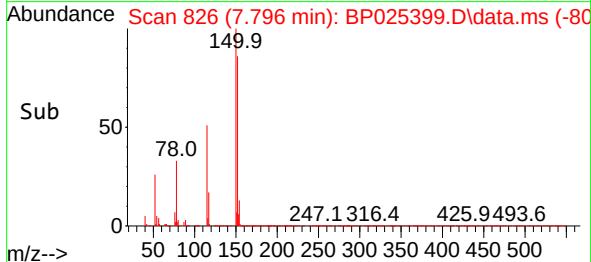
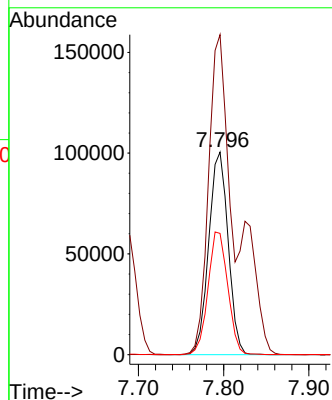
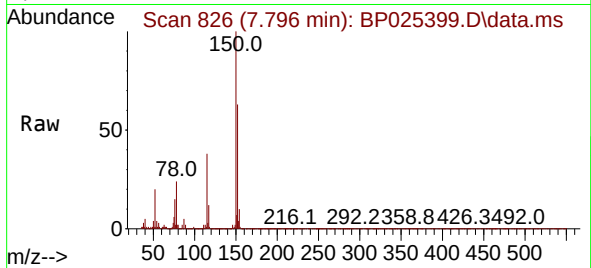




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.796 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

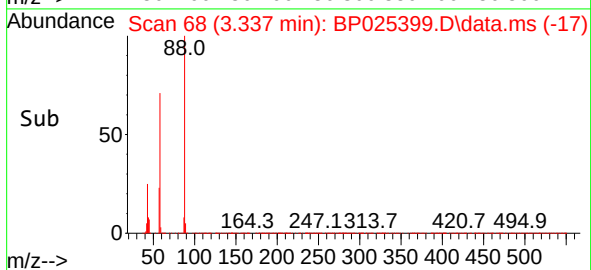
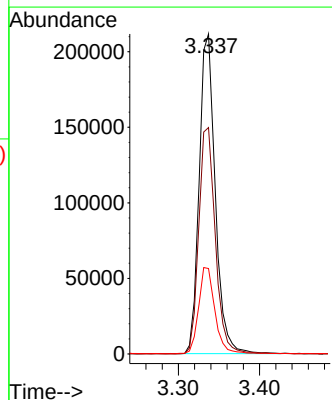
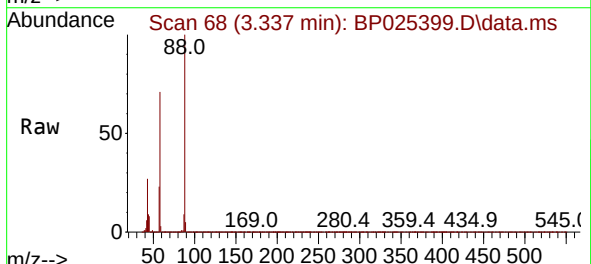
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

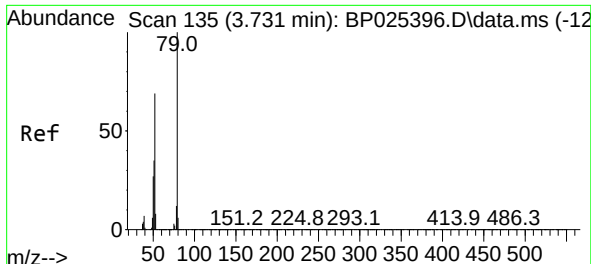
Tgt Ion:152 Resp: 159148
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.9 188.9
 115 59.9 48.5 72.7



#2
 1,4-Dioxane
 Concen: 77.664 ng
 RT: 3.337 min Scan# 68
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

Tgt Ion: 88 Resp: 291527
 Ion Ratio Lower Upper
 88 100
 58 73.3 59.2 88.8
 43 27.4 21.7 32.5

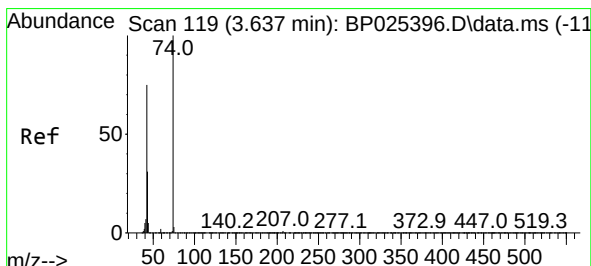
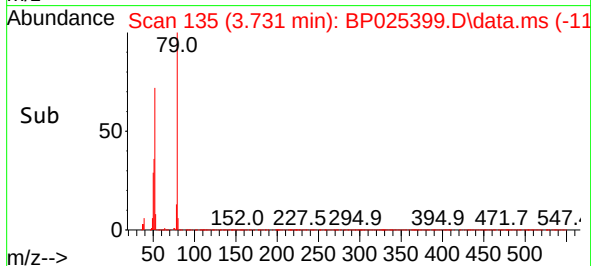
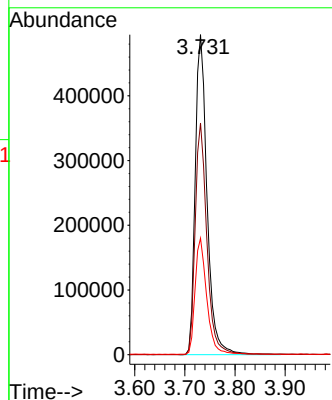
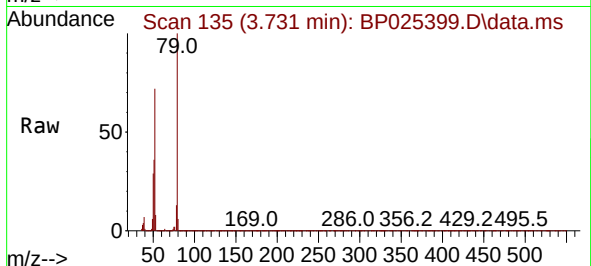




#3
Pyridine
Concen: 78.572 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

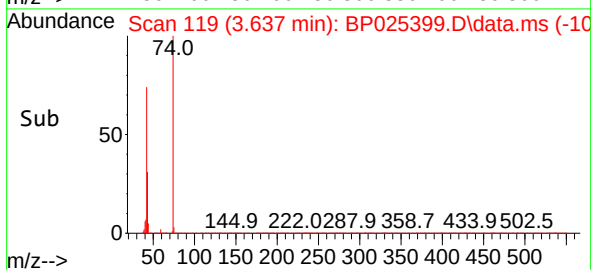
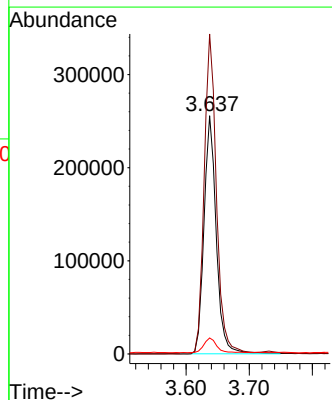
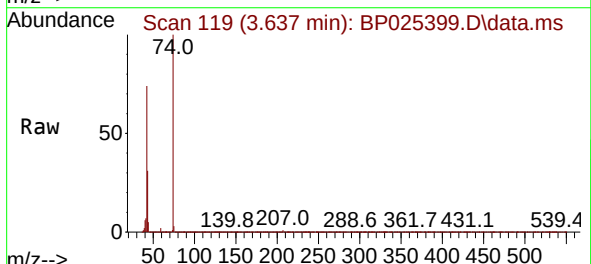
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

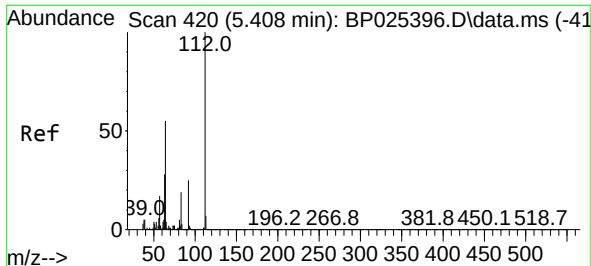
Tgt Ion: 79 Resp: 807269
Ion Ratio Lower Upper
79 100
52 72.4 55.5 83.3
51 36.4 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 81.296 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 42 Resp: 344349
Ion Ratio Lower Upper
42 100
74 134.3 107.0 160.4
44 6.7 6.2 9.4

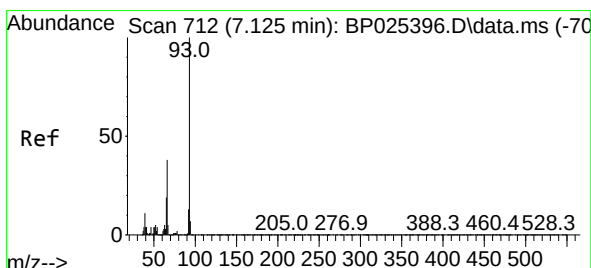
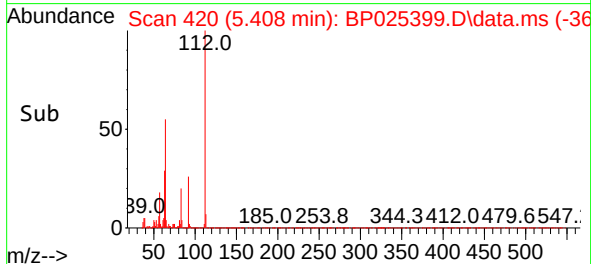
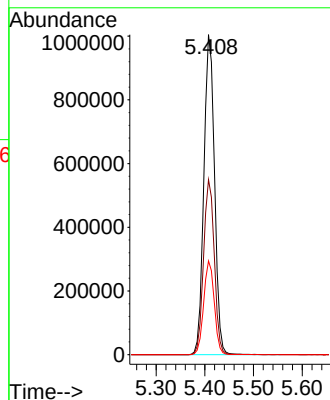
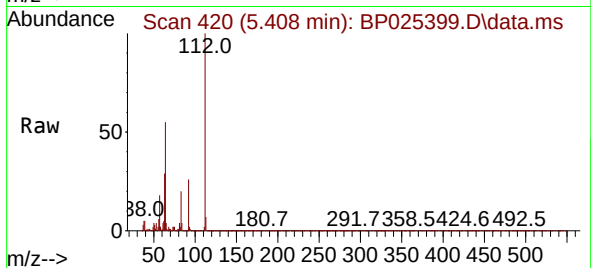




#5
2-Fluorophenol
Concen: 159.254 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

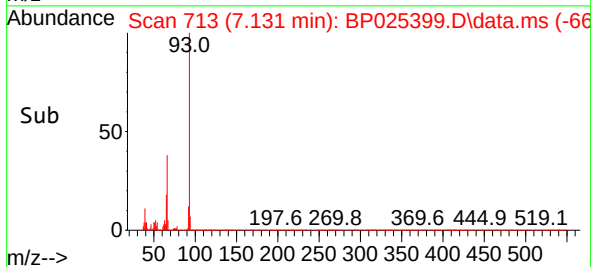
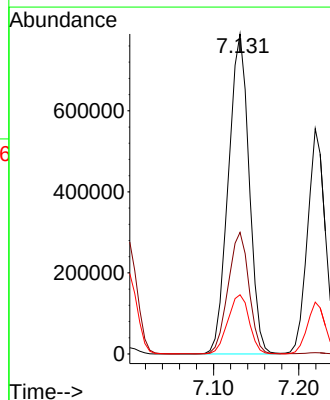
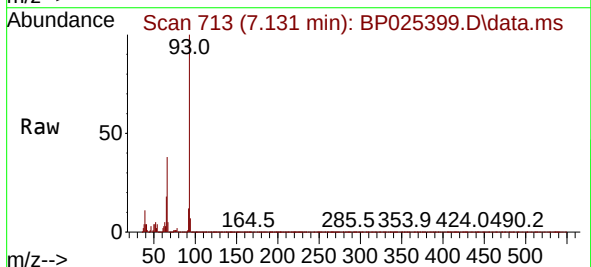
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

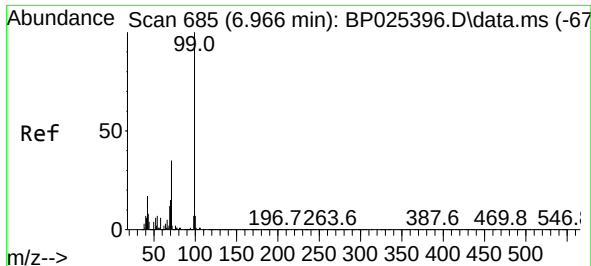
Tgt Ion:112 Resp: 1526166
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 29.3 22.7 34.1



#6
Aniline
Concen: 80.538 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1333221
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 18.5 15.3 22.9

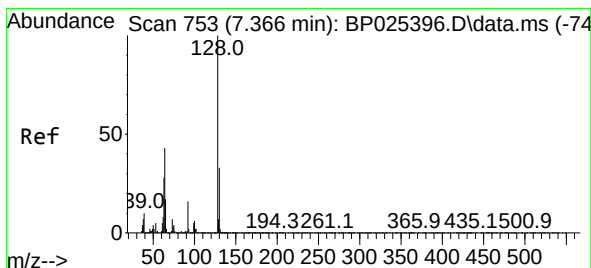
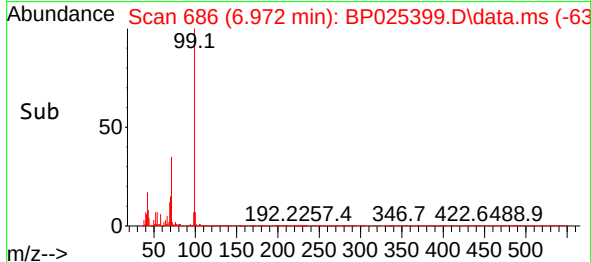
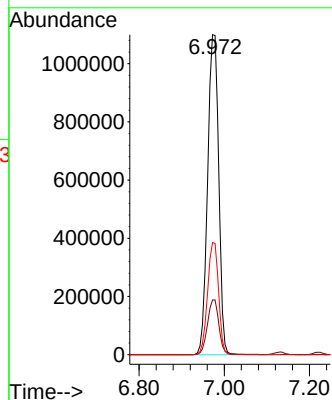
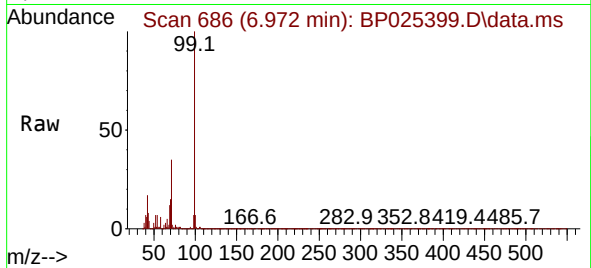




#7
Phenol-d6
Concen: 161.937 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

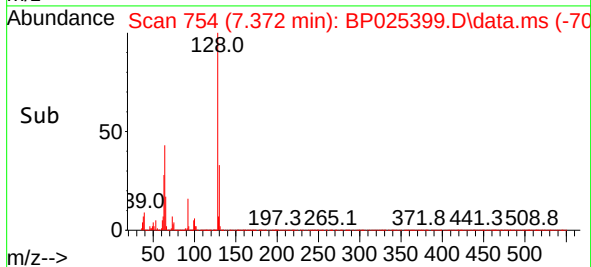
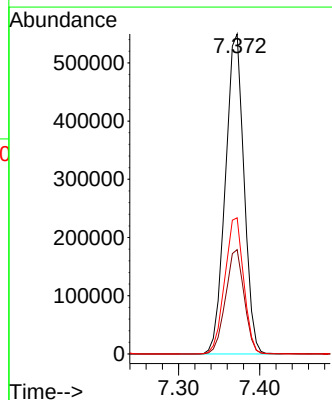
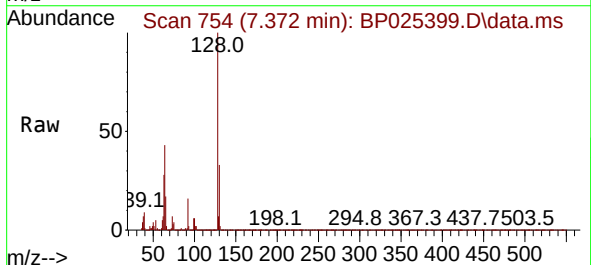
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

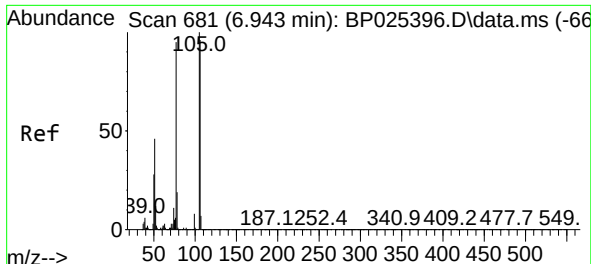
Tgt Ion: 99 Resp: 1989633
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 35.1 28.2 42.4



#8
2-Chlorophenol
Concen: 81.104 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 128 Resp: 877073
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 42.5 23.4 63.4

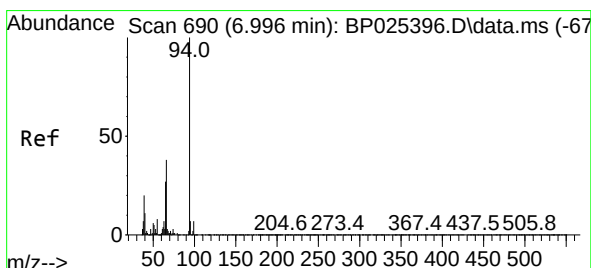
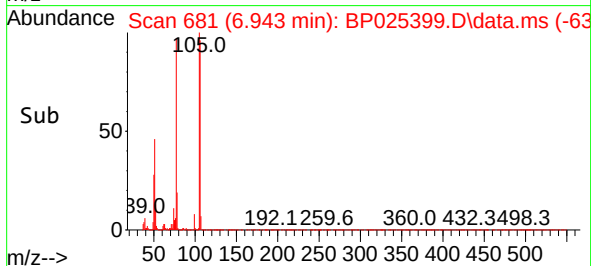
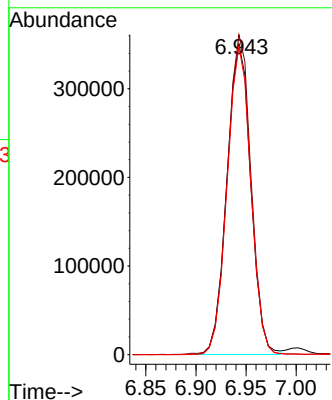
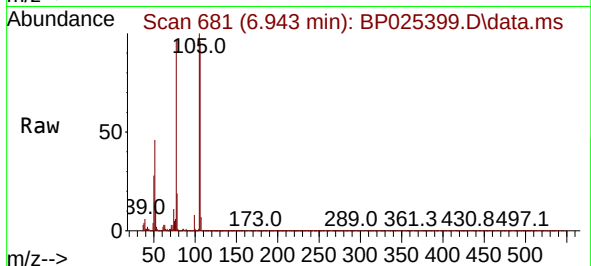




#9
Benzaldehyde
Concen: 67.651 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

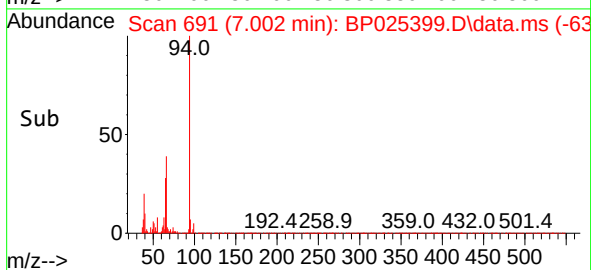
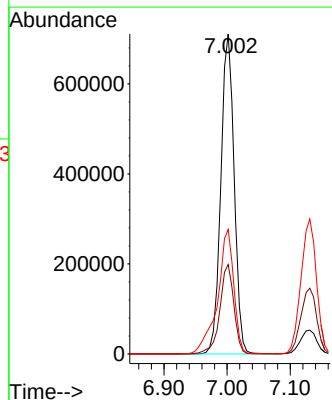
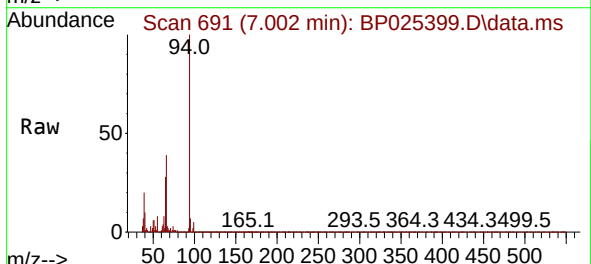
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

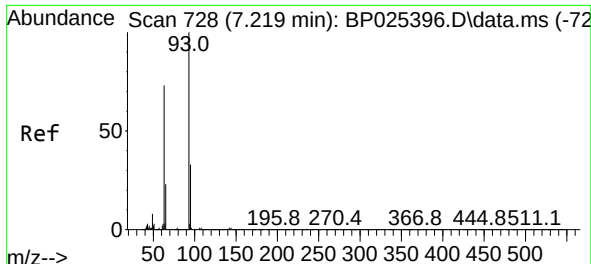
Tgt Ion: 77 Resp: 582344
Ion Ratio Lower Upper
77 100
105 103.0 84.8 124.8
106 99.3 80.5 120.5



#10
Phenol
Concen: 80.710 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 94 Resp: 1040534
Ion Ratio Lower Upper
94 100
65 28.0 6.8 46.8
66 38.9 18.2 58.2

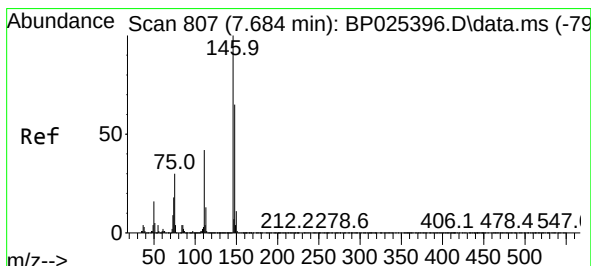
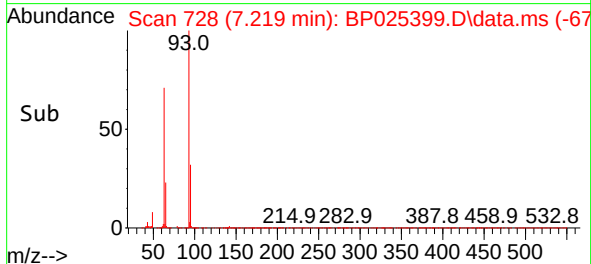
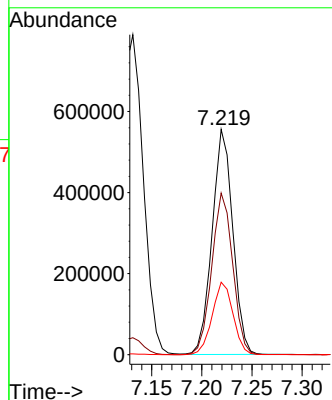
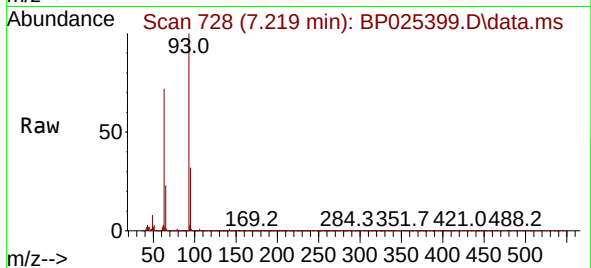




#11
 bis(2-Chloroethyl)ether
 Concen: 79.481 ng
 RT: 7.219 min Scan# 728
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

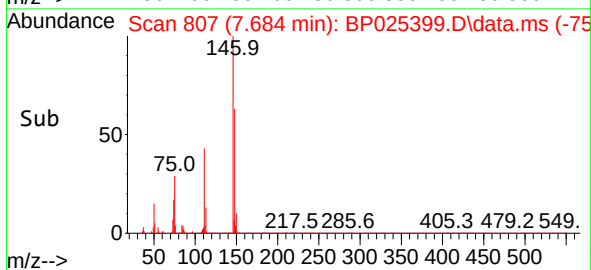
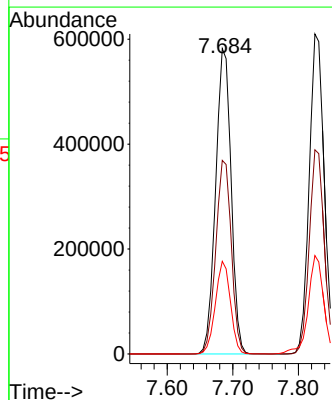
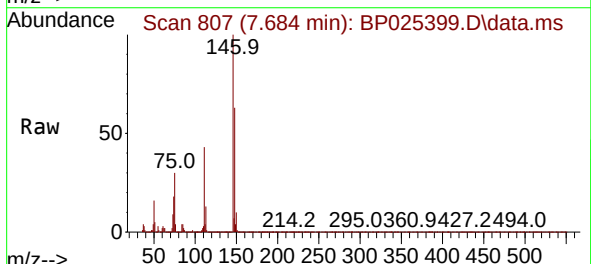
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

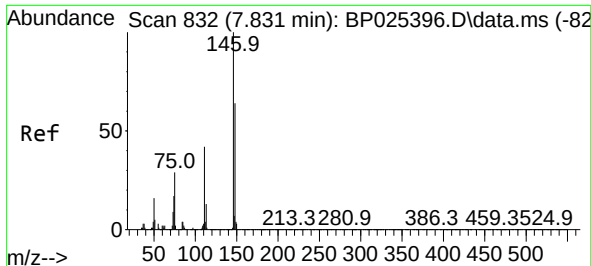
Tgt Ion: 93 Resp: 798672
 Ion Ratio Lower Upper
 93 100
 63 71.7 52.6 92.6
 95 32.2 12.7 52.7



#12
 1,3-Dichlorobenzene
 Concen: 79.718 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

Tgt Ion: 146 Resp: 950596
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.9 77.9
 75 30.3 23.7 35.5

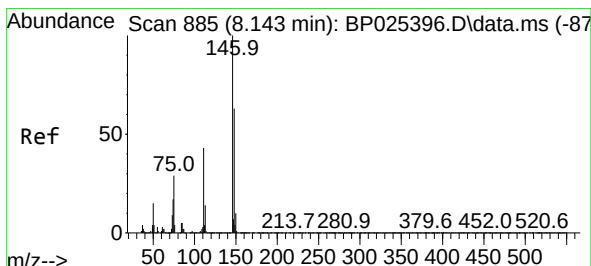
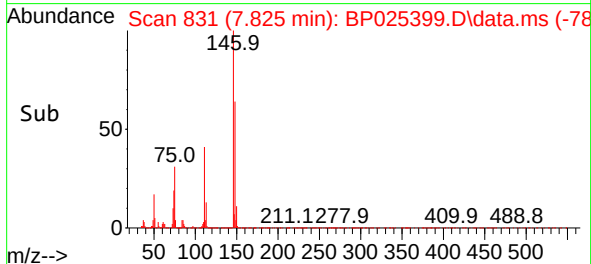
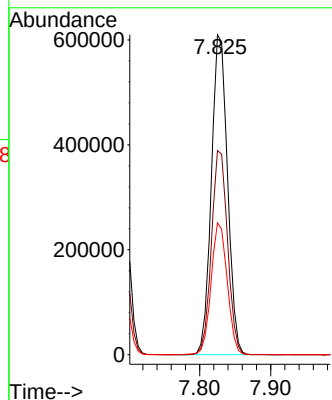
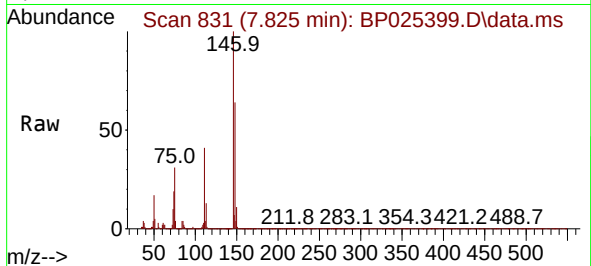




#13
1,4-Dichlorobenzene
Concen: 78.882 ng
RT: 7.825 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

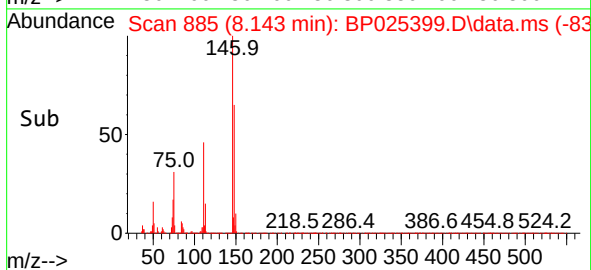
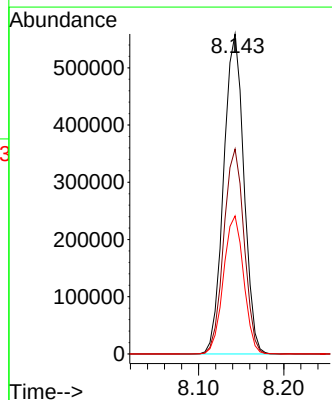
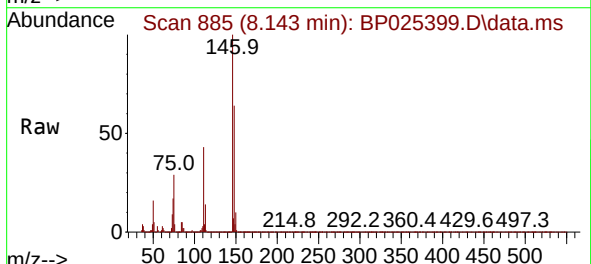
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

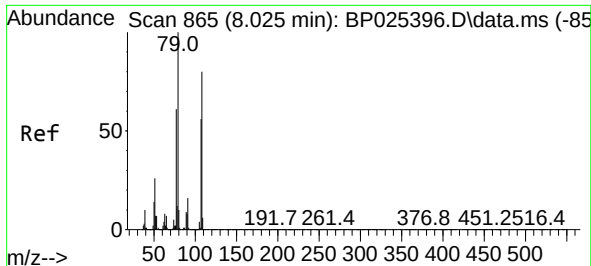
Tgt Ion:146 Resp: 961421
Ion Ratio Lower Upper
146 100
148 63.8 51.6 77.4
111 41.2 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 78.203 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 922658
Ion Ratio Lower Upper
146 100
148 64.1 50.4 75.6
111 43.1 34.5 51.7

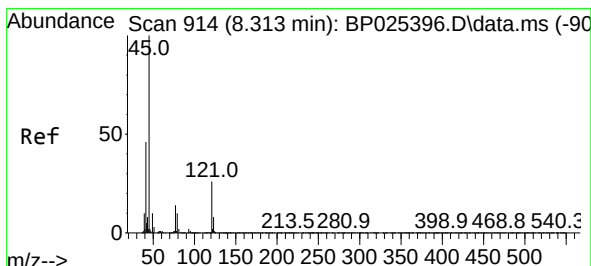
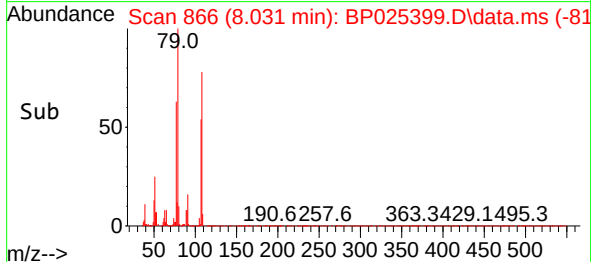
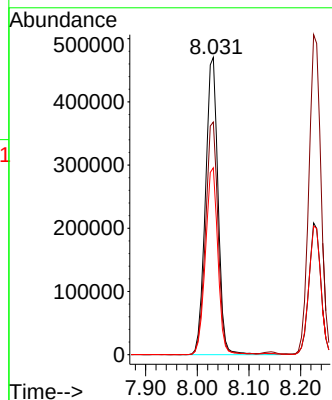
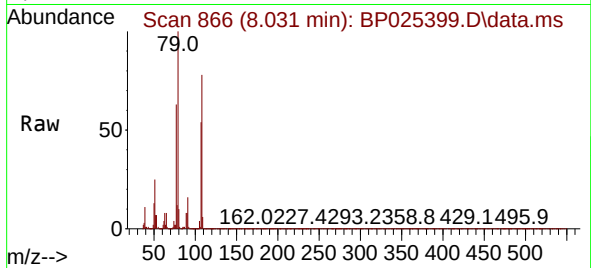




#15
Benzyl Alcohol
Concen: 81.498 ng
RT: 8.031 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

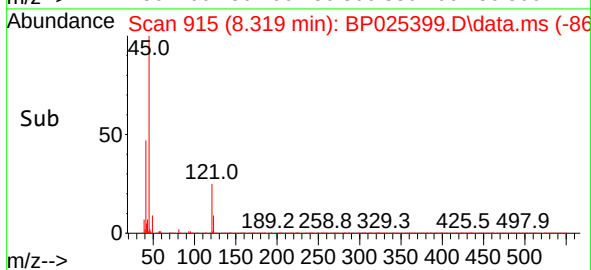
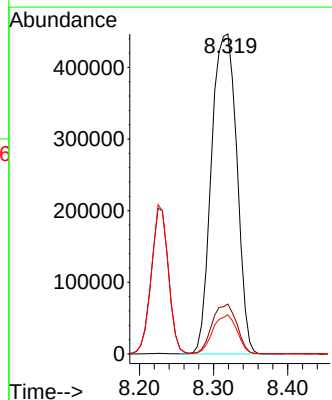
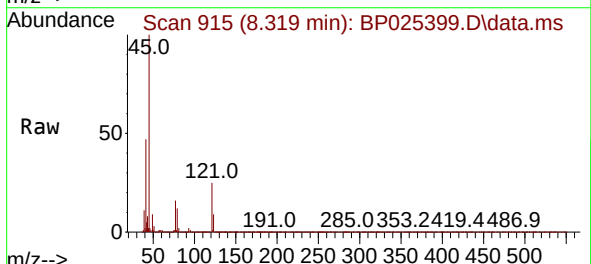
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

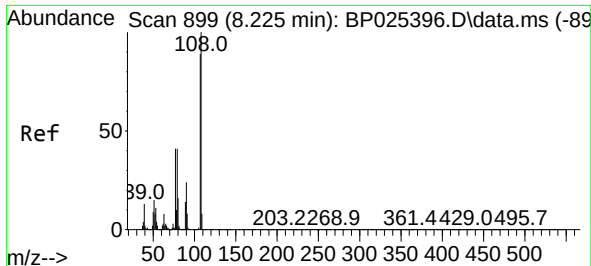
Tgt Ion: 79 Resp: 795618
Ion Ratio Lower Upper
79 100
108 78.3 63.8 95.6
77 62.8 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 78.732 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 45 Resp: 1059824
Ion Ratio Lower Upper
45 100
77 15.6 0.0 35.3
79 12.2 0.0 31.8

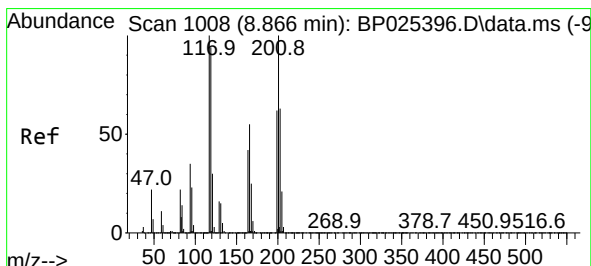
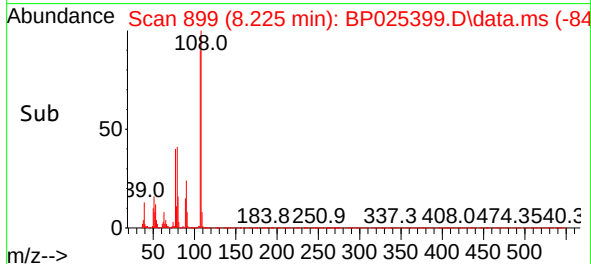
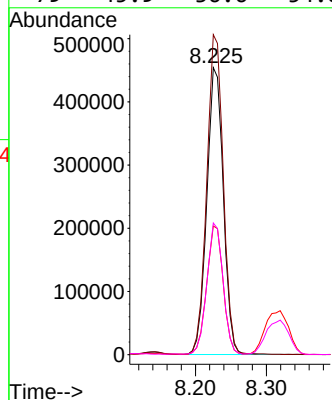
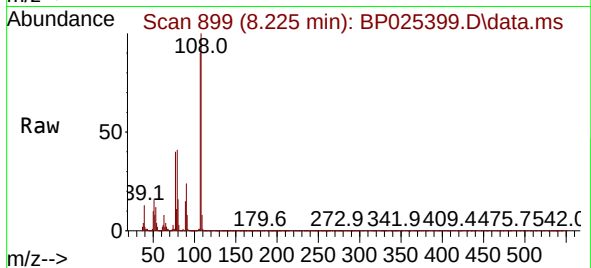




#17
2-Methylphenol
Concen: 82.028 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

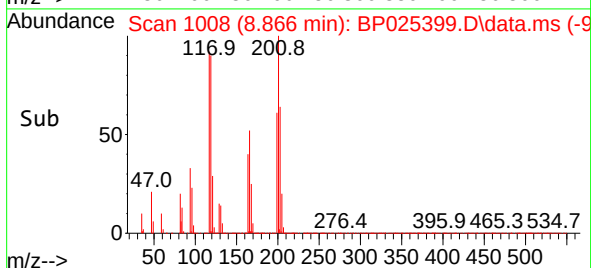
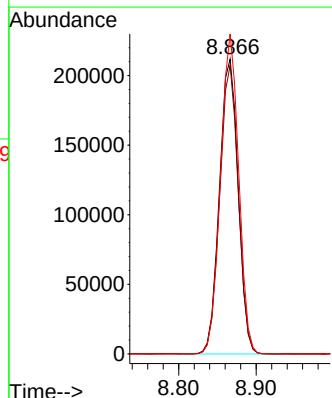
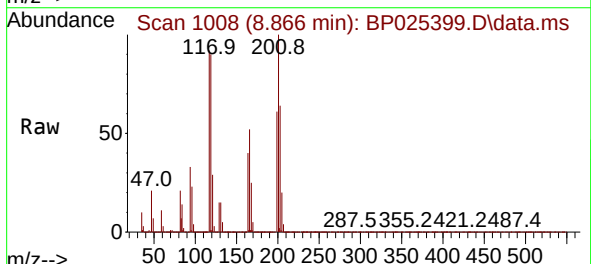
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

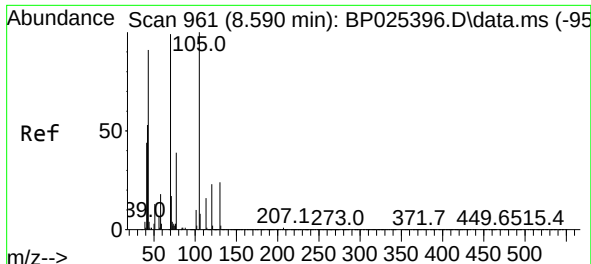
Tgt Ion:	107	Resp:	734482
Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.4	134.0
77	44.8	36.3	54.5
79	45.9	36.6	54.8



#18
Hexachloroethane
Concen: 79.395 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:	117	Resp:	355791
Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.1	112.7
201	108.5	80.1	120.1

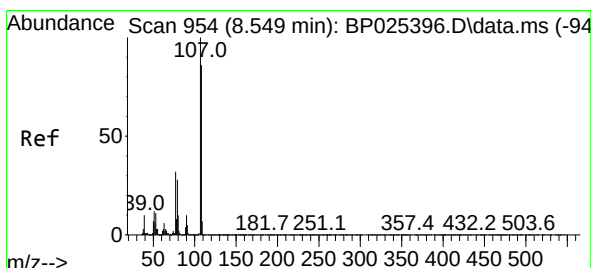
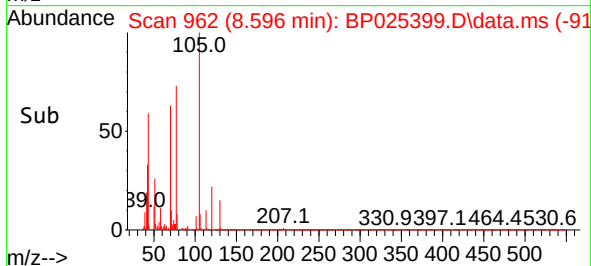
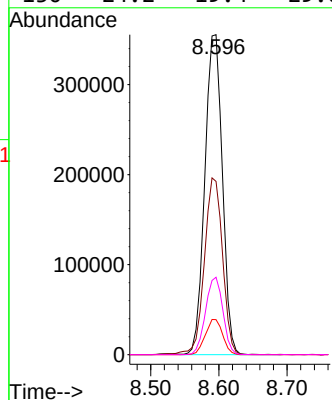
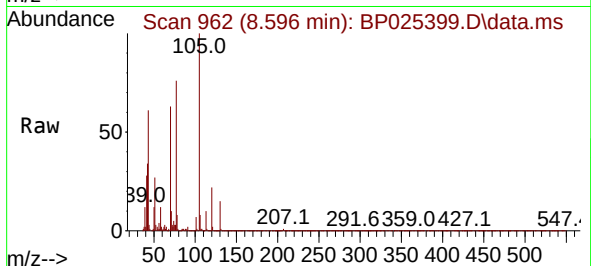




#19
n-Nitroso-di-n-propylamine
Concen: 78.102 ng
RT: 8.596 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

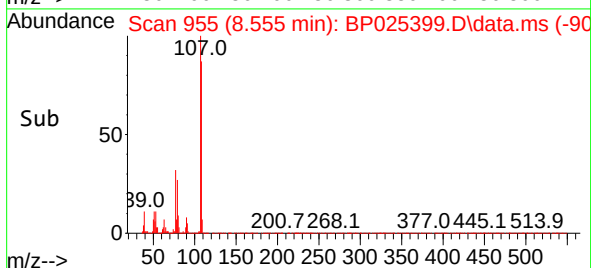
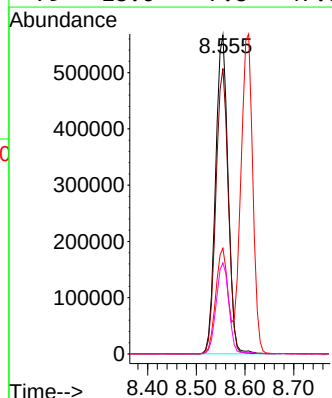
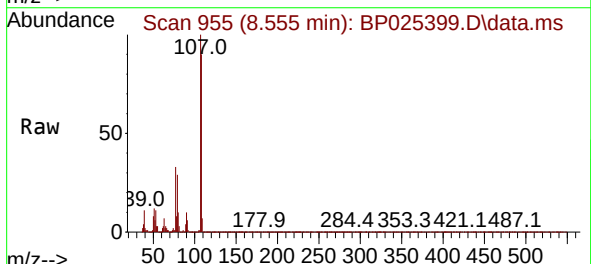
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

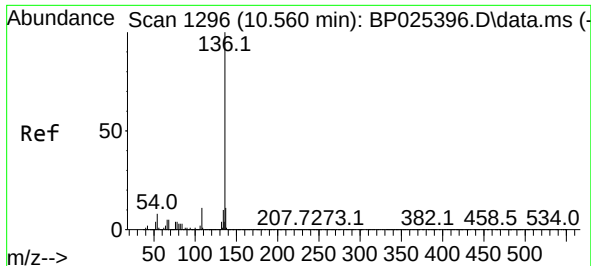
Tgt Ion: 70 Resp: 636387
Ion Ratio Lower Upper
70 100
42 54.2 43.8 65.6
101 11.0 8.5 12.7
130 24.2 19.4 29.0



#20
3+4-Methylphenols
Concen: 81.023 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 107 Resp: 1005632
Ion Ratio Lower Upper
107 100
108 89.6 66.3 106.3
77 33.2 12.3 52.3
79 28.6 7.8 47.8

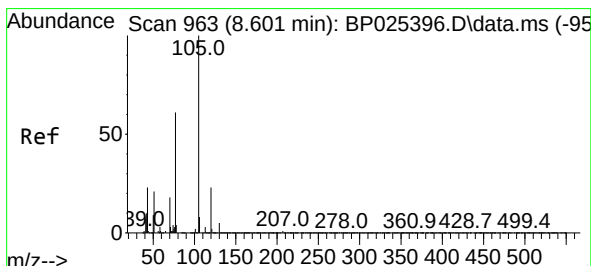
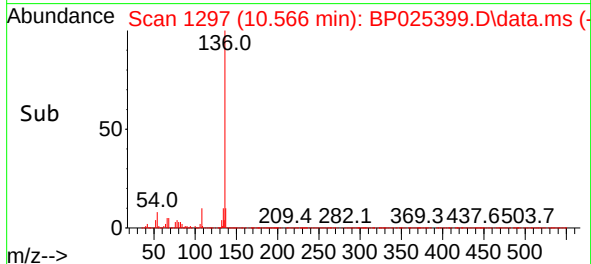
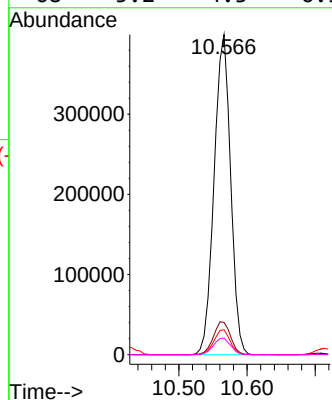
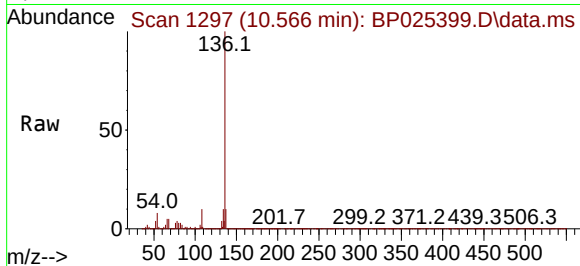




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

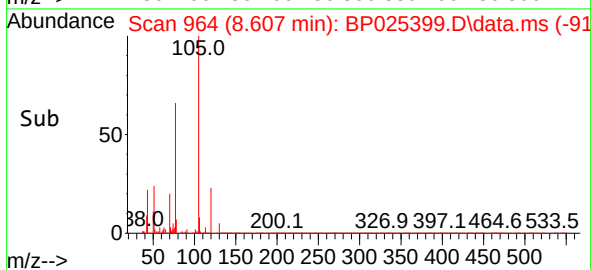
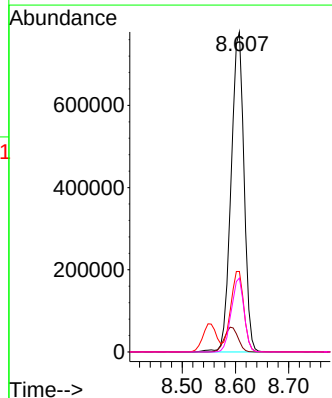
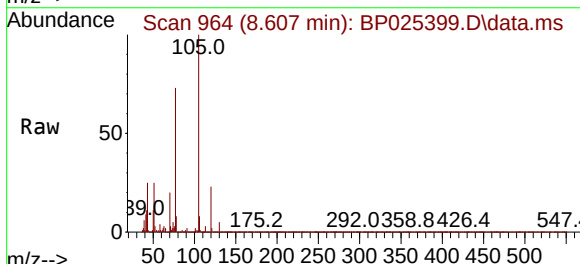
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

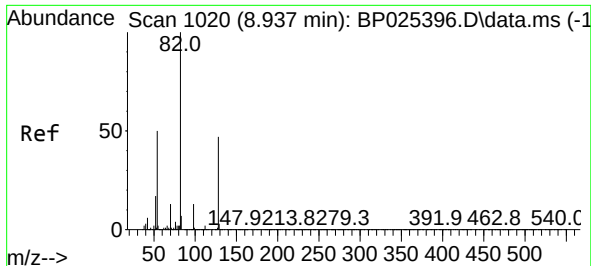
Tgt Ion:	136	Resp:	673018
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.2	13.8
54	7.8	6.0	9.0
68	5.2	4.3	6.5



#22
Acetophenone
Concen: 77.886 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:	105	Resp:	1314548
Ion	Ratio	Lower	Upper
105	100		
71	3.4	2.6	4.0
51	25.1	20.6	30.8
120	23.1	18.6	27.8



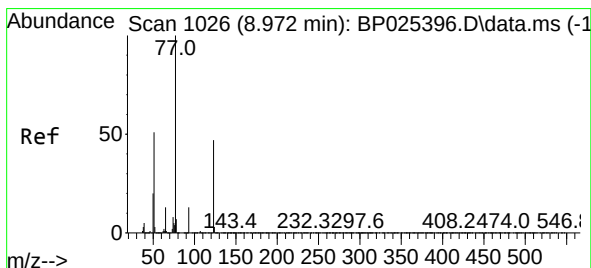
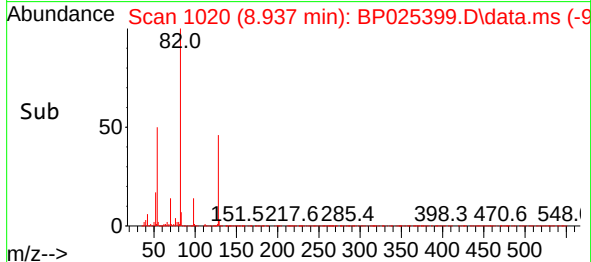
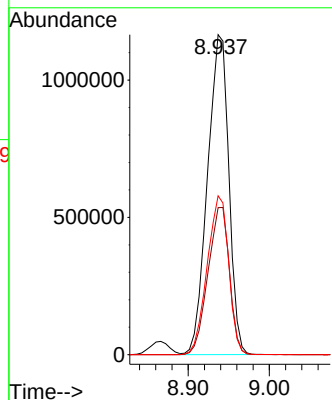
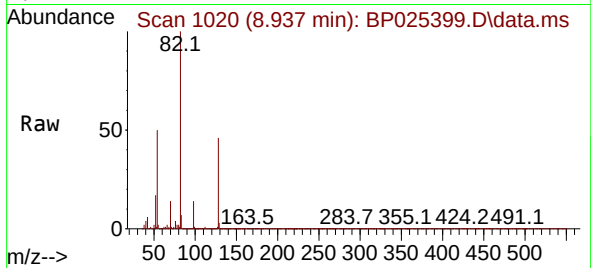


#23
Nitrobenzene-d5
Concen: 159.609 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2123522

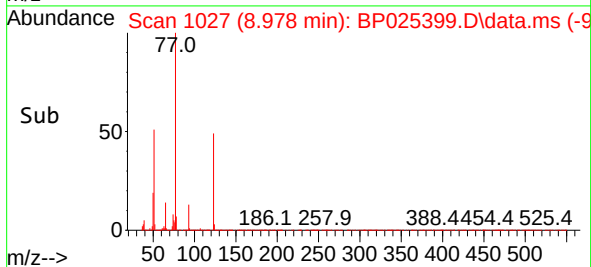
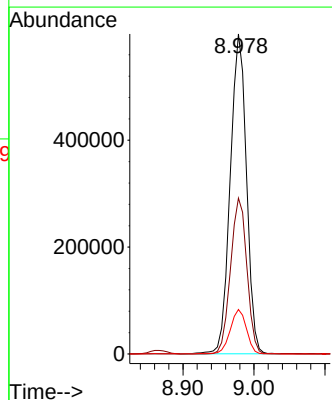
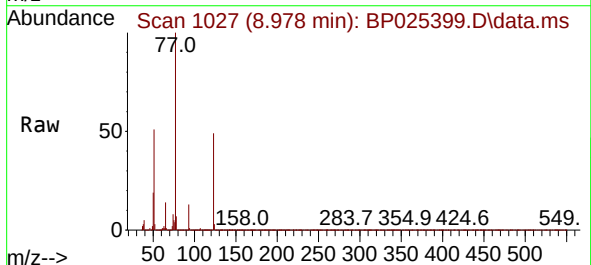
Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.7	56.5
54	49.7	39.8	59.6

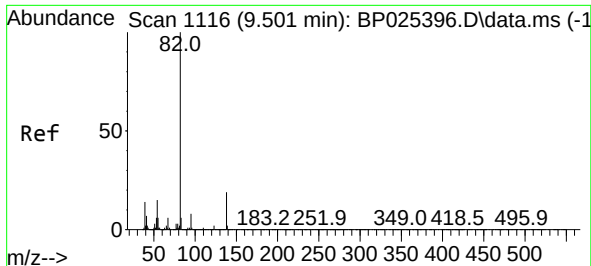


#24
Nitrobenzene
Concen: 79.686 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 77 Resp: 947511

Ion	Ratio	Lower	Upper
77	100		
123	48.7	38.6	58.0
65	13.9	10.6	15.8

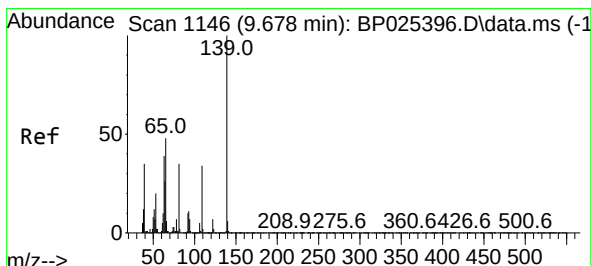
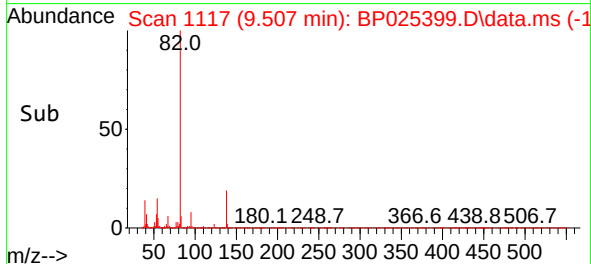
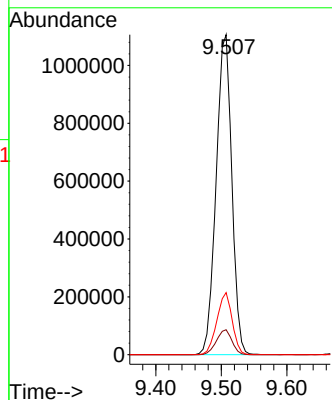
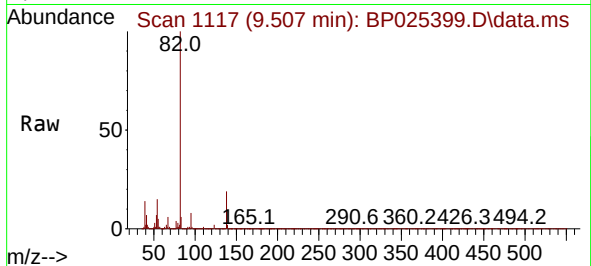




#25
Isophorone
Concen: 77.708 ng
RT: 9.507 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

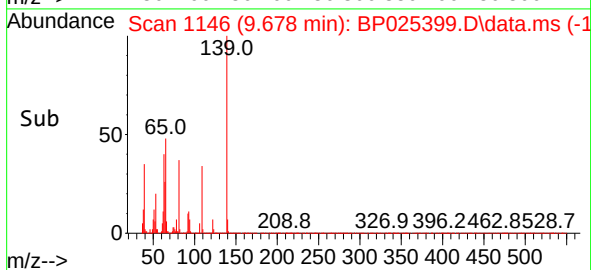
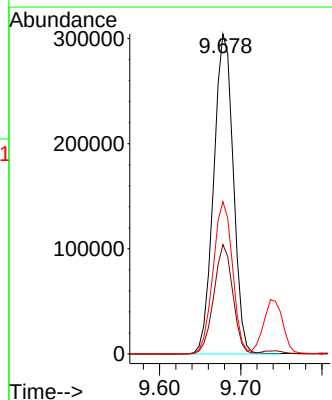
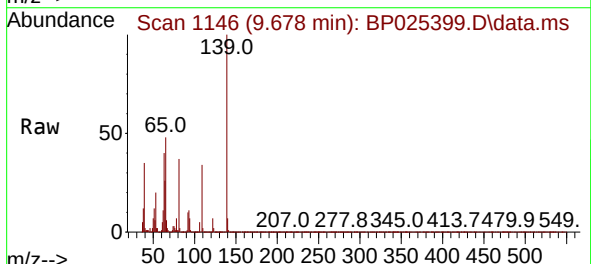
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

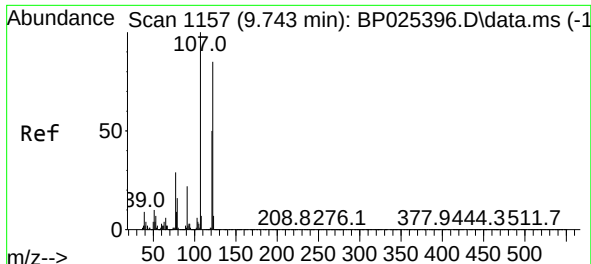
Tgt Ion: 82 Resp: 1829675
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 19.4 15.4 23.0



#26
2-Nitrophenol
Concen: 83.872 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 139 Resp: 511806
Ion Ratio Lower Upper
139 100
109 34.2 26.9 40.3
65 47.6 38.3 57.5

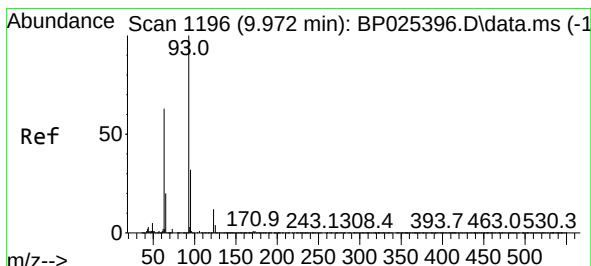
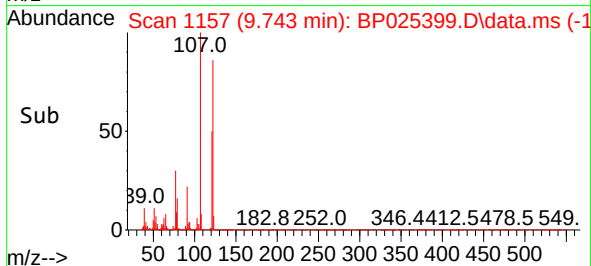
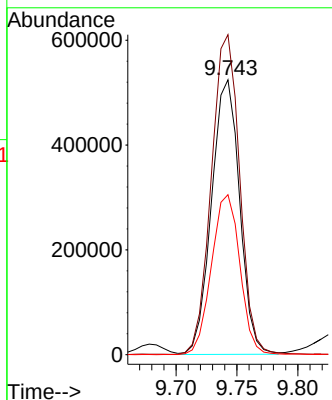
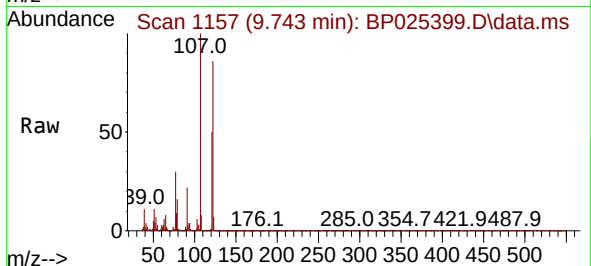




#27
2,4-Dimethylphenol
Concen: 80.280 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

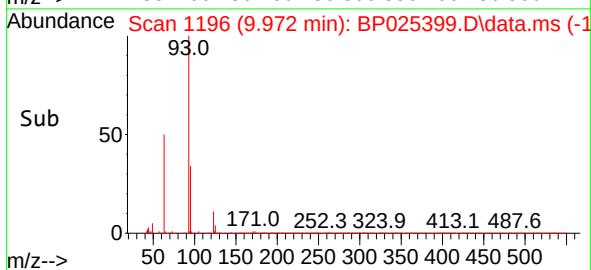
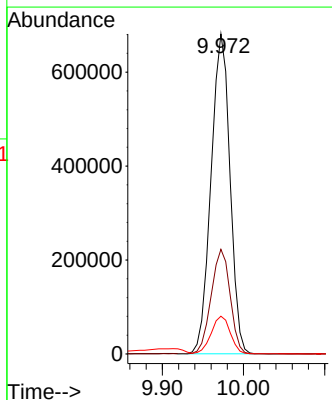
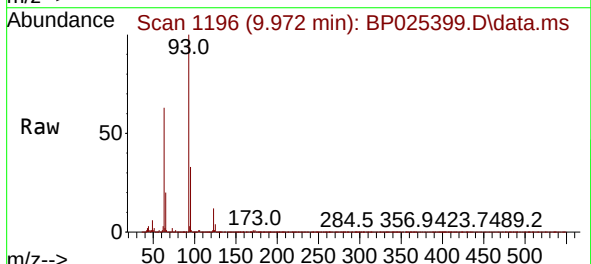
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

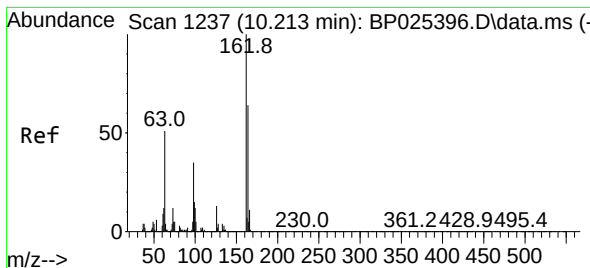
Tgt Ion:122 Resp: 842467
Ion Ratio Lower Upper
122 100
107 116.4 93.7 140.5
121 58.2 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 77.542 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1103640
Ion Ratio Lower Upper
93 100
95 32.7 25.4 38.0
123 11.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 81.037 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

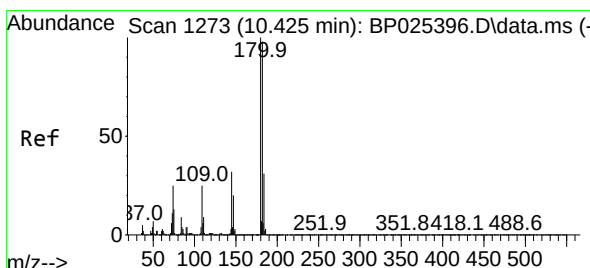
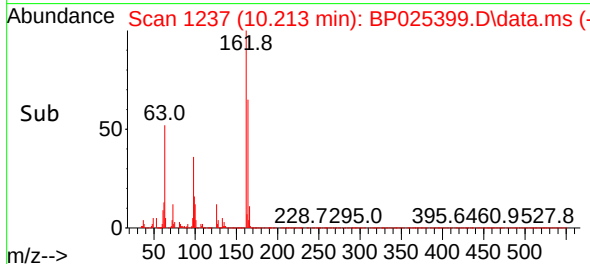
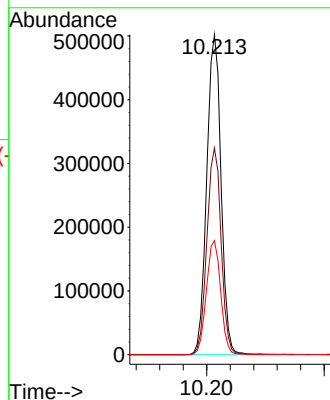
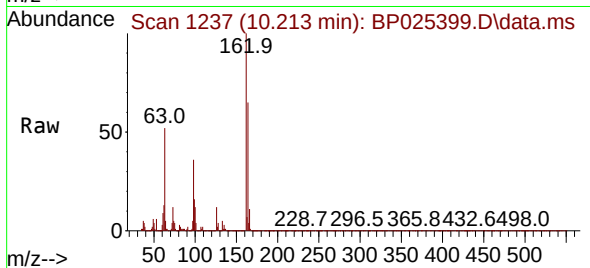
Tgt Ion:162 Resp: 844787

Ion Ratio Lower Upper

162 100

164 64.6 44.4 84.4

98 35.6 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 78.123 ng

RT: 10.425 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

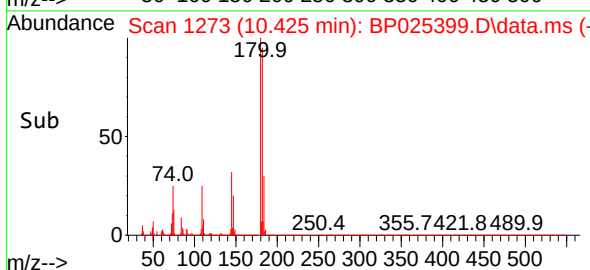
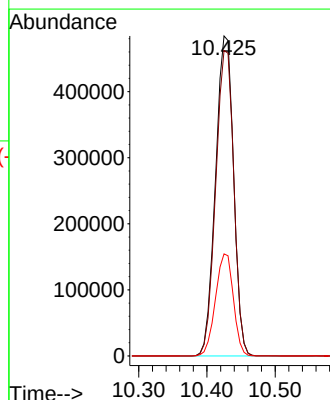
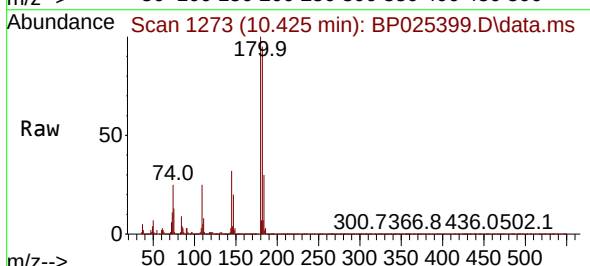
Tgt Ion:180 Resp: 892771

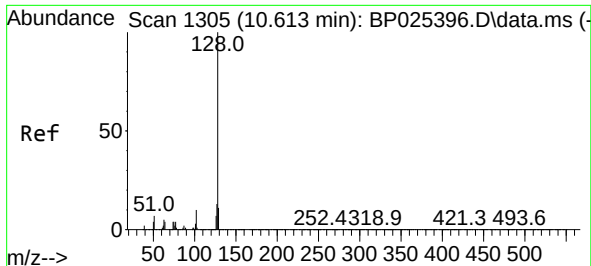
Ion Ratio Lower Upper

180 100

182 95.4 78.0 117.0

145 31.9 25.9 38.9

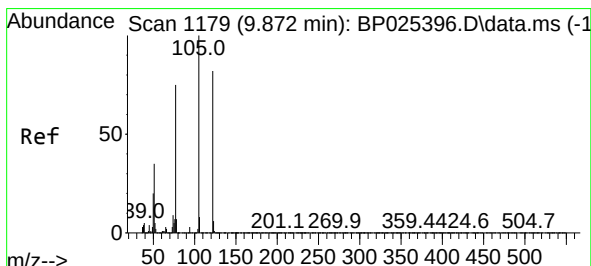
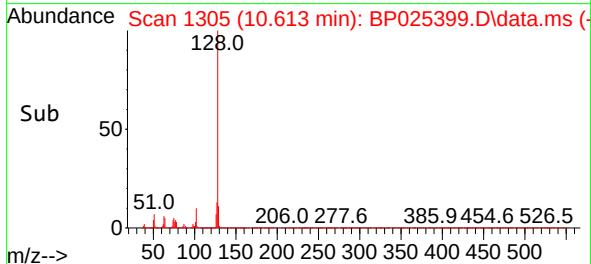
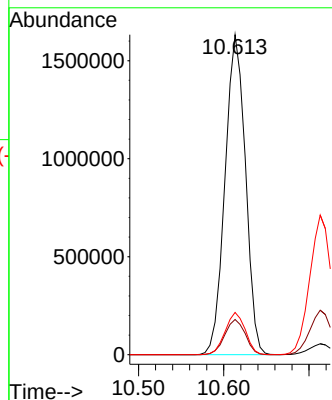
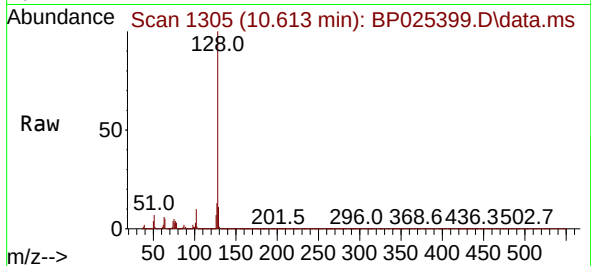




#31
Naphthalene
Concen: 77.835 ng
RT: 10.613 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

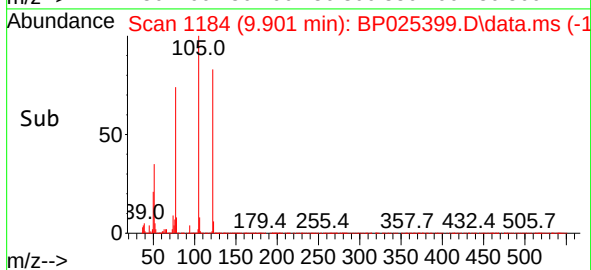
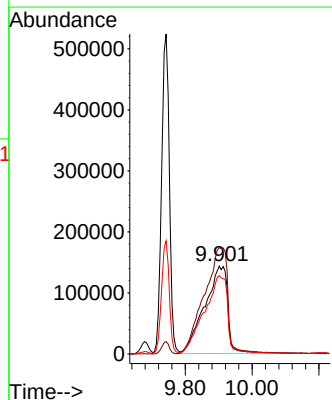
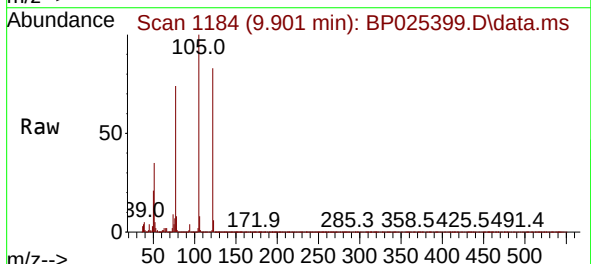
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

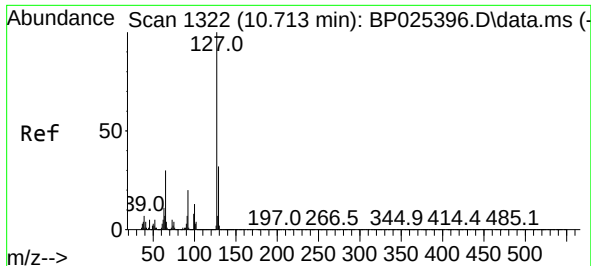
Tgt Ion:128 Resp: 2722703
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 88.861 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:122 Resp: 686791
Ion Ratio Lower Upper
122 100
105 121.0 100.6 140.6
77 89.3 71.5 111.5



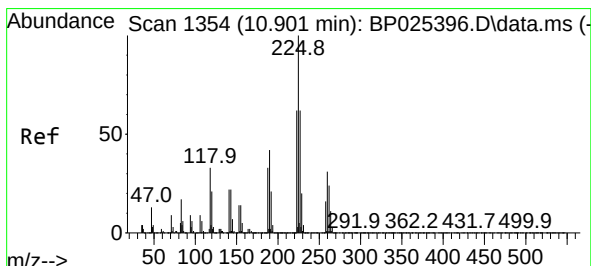
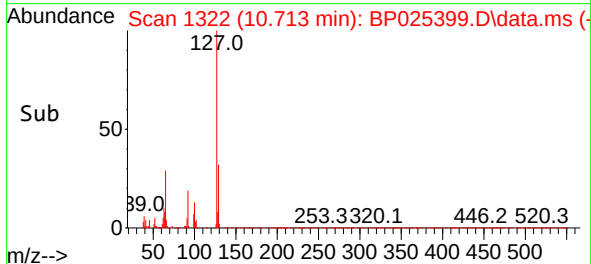
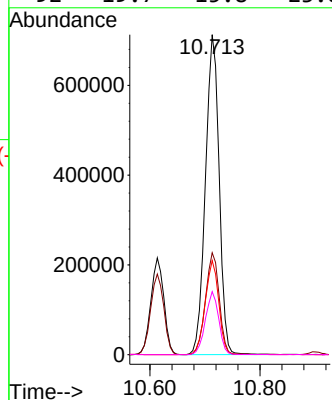
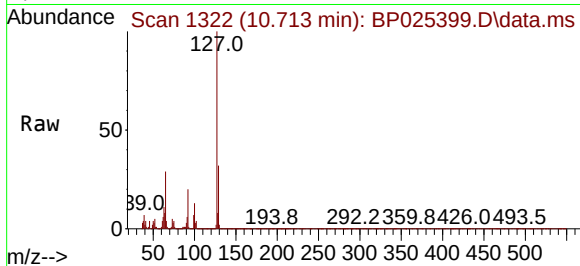


#33
4-Chloroaniline
Concen: 79.761 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1232431

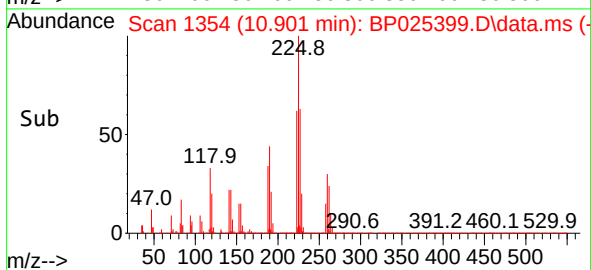
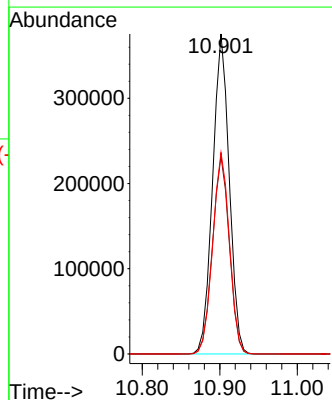
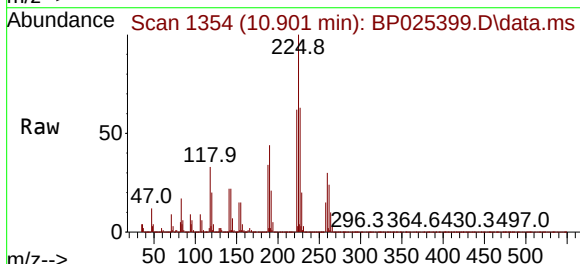
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	29.4	23.8	35.6
92	19.7	15.8	23.8

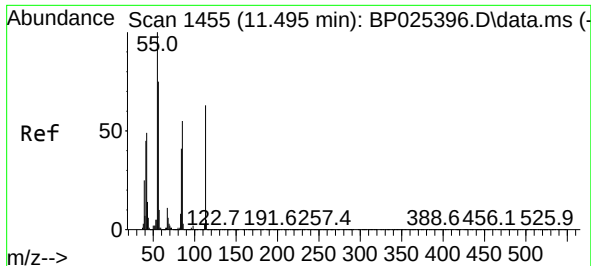


#34
Hexachlorobutadiene
Concen: 78.393 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:225 Resp: 557922

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.0	75.0
227	62.9	49.7	74.5

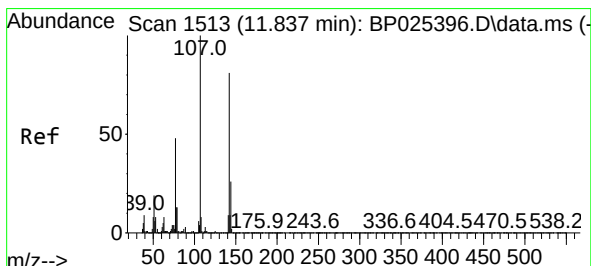
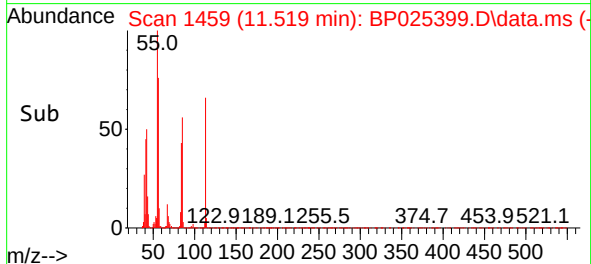
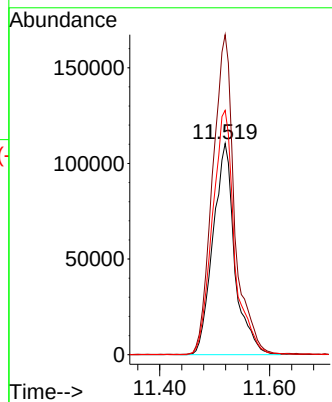
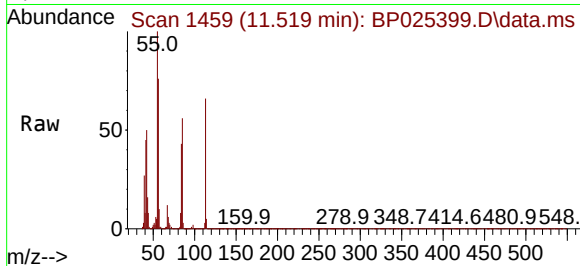




#35
Caprolactam
Concen: 79.233 ng
RT: 11.519 min Scan# 1455
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

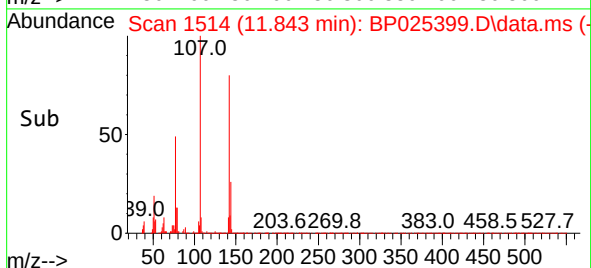
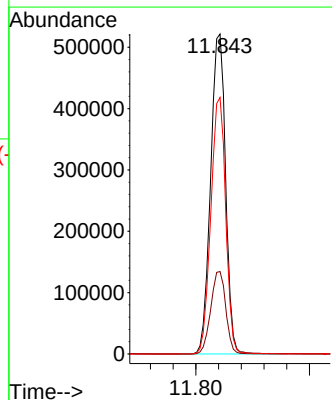
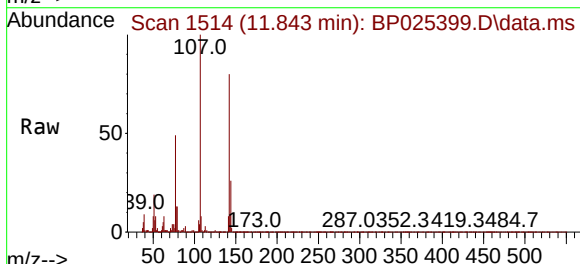
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

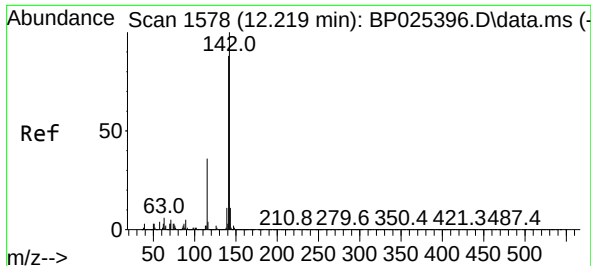
Tgt Ion:113 Resp: 302874
Ion Ratio Lower Upper
113 100
55 151.5 140.0 180.0
56 115.6 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 79.399 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 949779
Ion Ratio Lower Upper
107 100
144 25.7 21.0 31.4
142 80.2 64.6 97.0

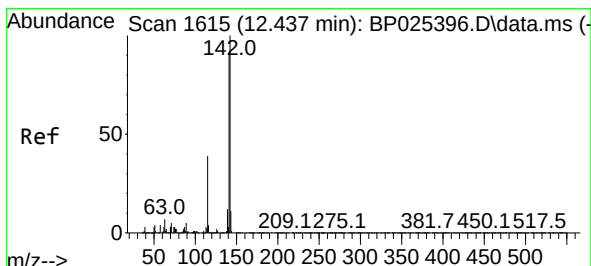
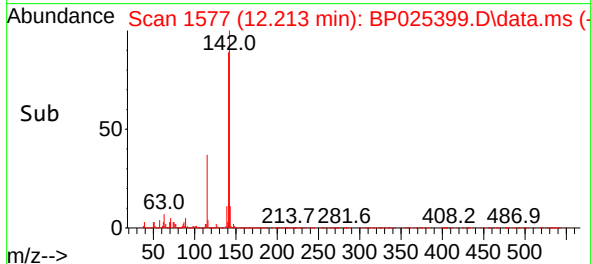
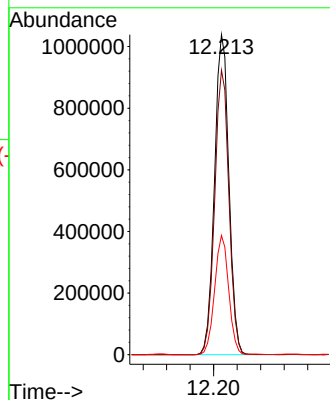
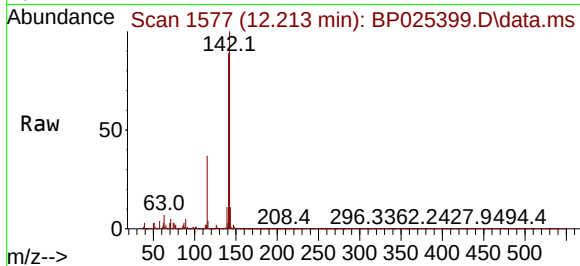




#37
2-Methylnaphthalene
Concen: 77.372 ng
RT: 12.213 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

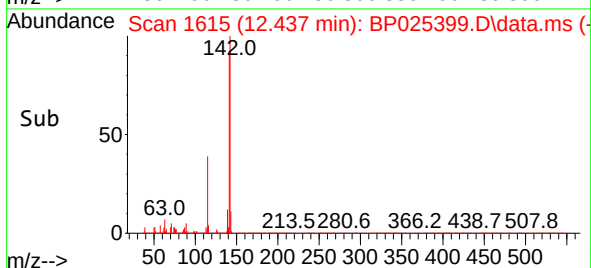
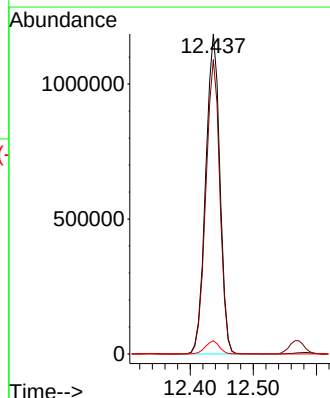
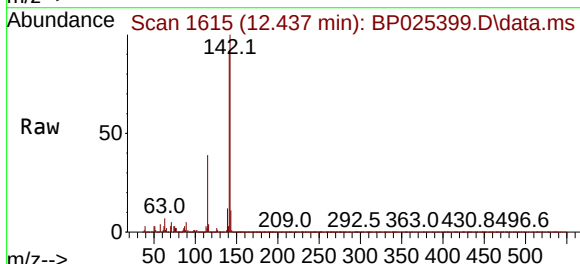
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

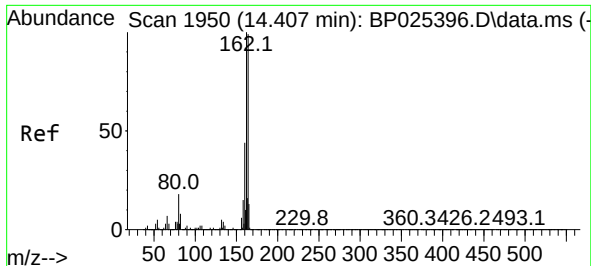
Tgt Ion:142 Resp: 1761325
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5
115 37.2 28.9 43.3



#38
1-Methylnaphthalene
Concen: 76.186 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:142 Resp: 1844376
Ion Ratio Lower Upper
142 100
141 92.0 73.1 109.7
116 4.1 3.2 4.8

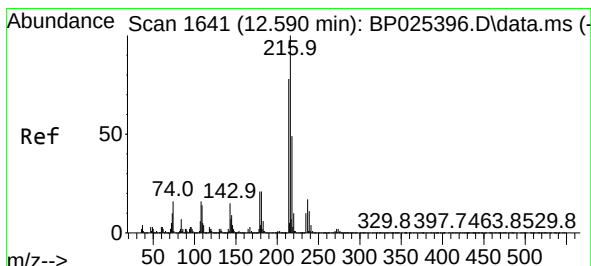
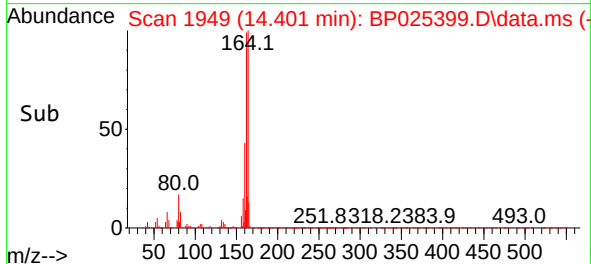
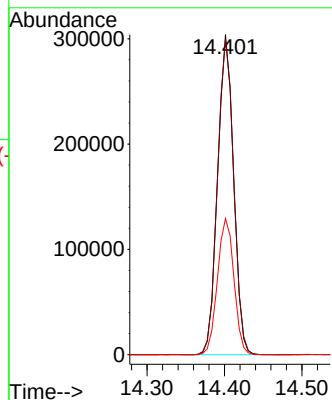
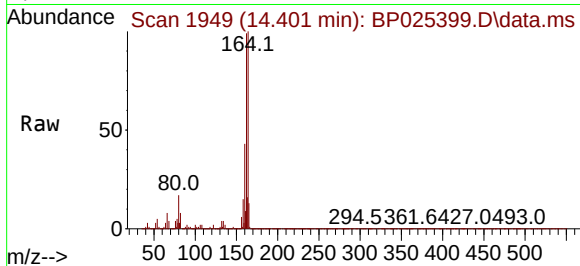




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

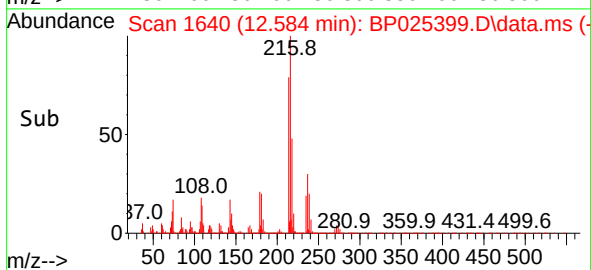
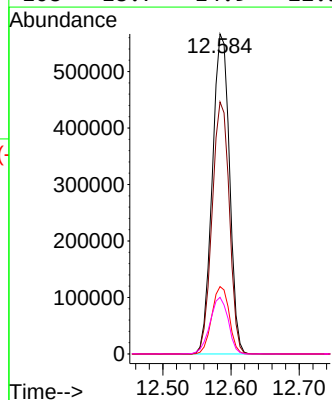
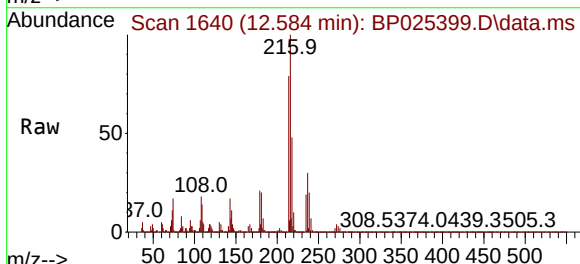
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

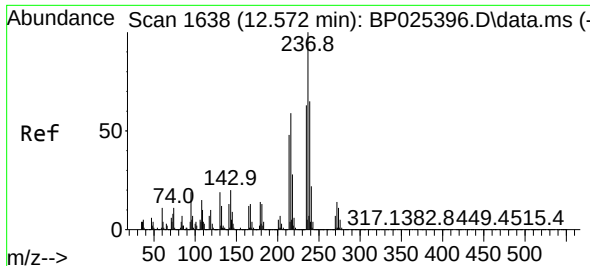
Tgt Ion:164 Resp: 436046
Ion Ratio Lower Upper
164 100
162 98.6 81.0 121.6
160 42.6 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.014 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:216 Resp: 995064
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 21.2 17.1 25.7
108 18.7 14.9 22.3

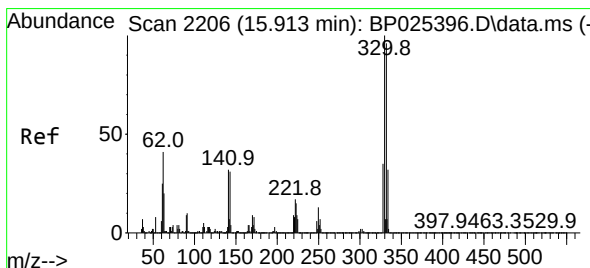
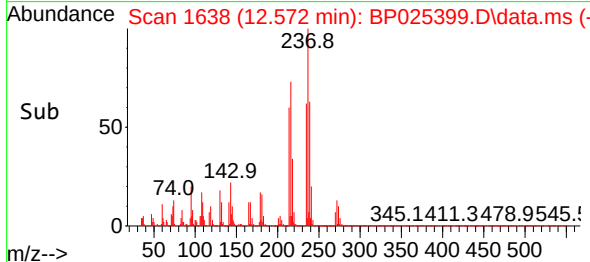
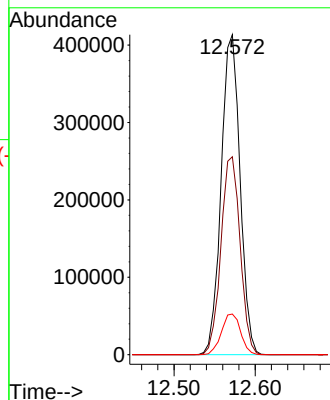
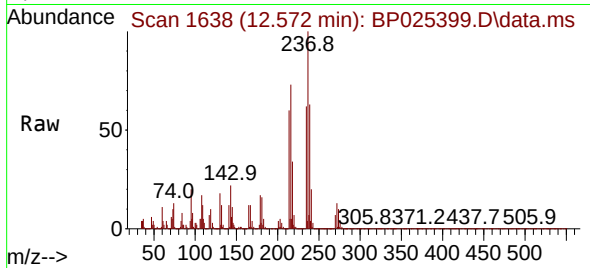




#41
Hexachlorocyclopentadiene
Concen: 87.916 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

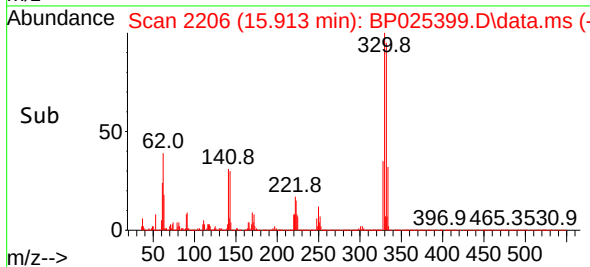
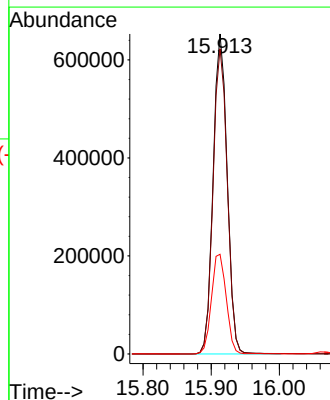
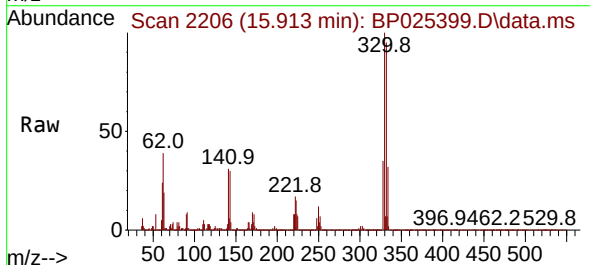
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

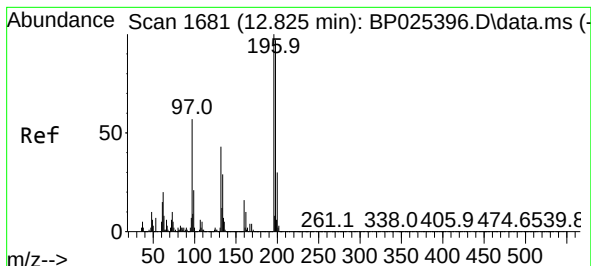
Tgt Ion:237 Resp: 668771
Ion Ratio Lower Upper
237 100
235 61.9 42.7 82.7
272 12.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 159.559 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:330 Resp: 936489
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 32.8 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 83.096 ng

RT: 12.825 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

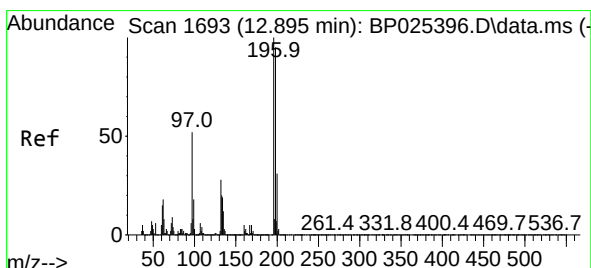
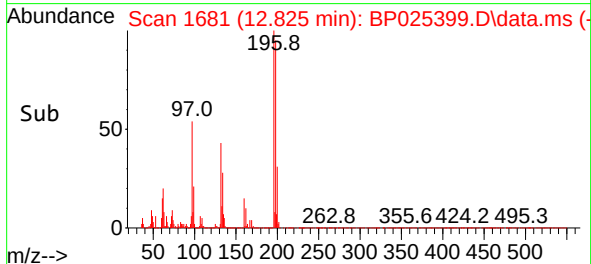
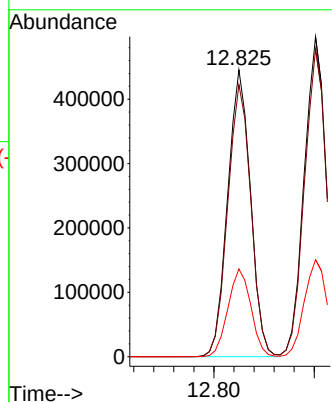
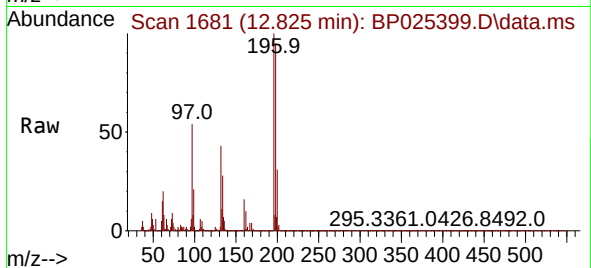
Tgt Ion:196 Resp: 706484

Ion Ratio Lower Upper

196 100

198 94.8 77.2 115.8

200 30.5 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 81.870 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Tgt Ion:196 Resp: 762861

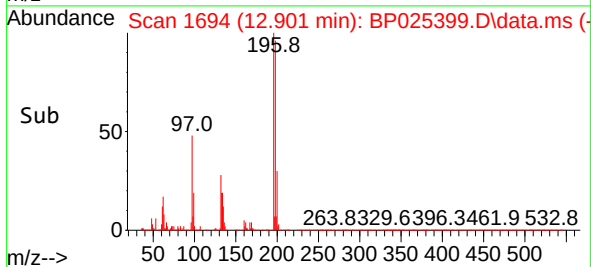
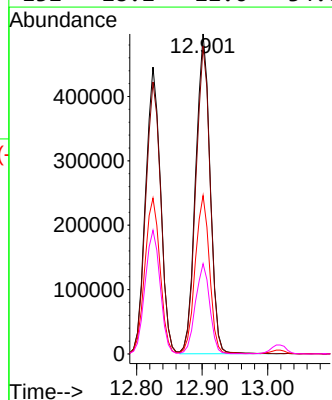
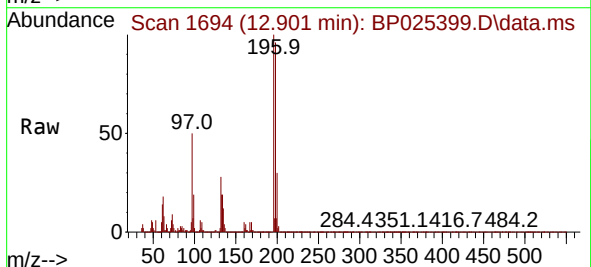
Ion Ratio Lower Upper

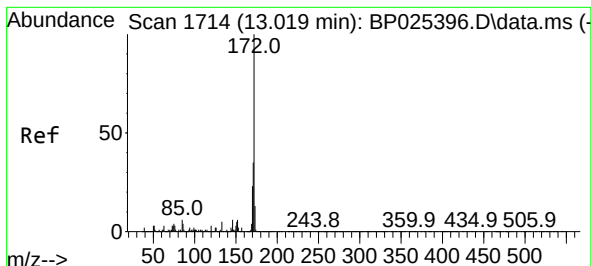
196 100

198 96.1 76.2 114.2

97 49.5 41.2 61.8

132 28.2 22.6 34.0

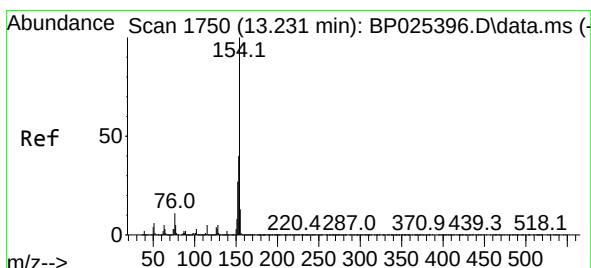
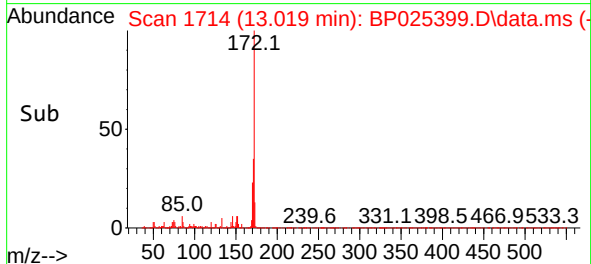
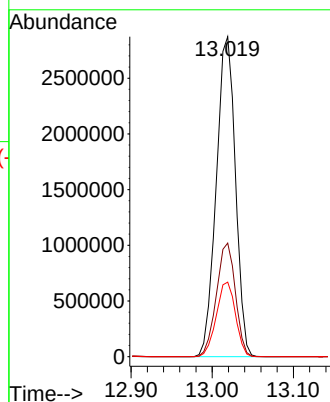
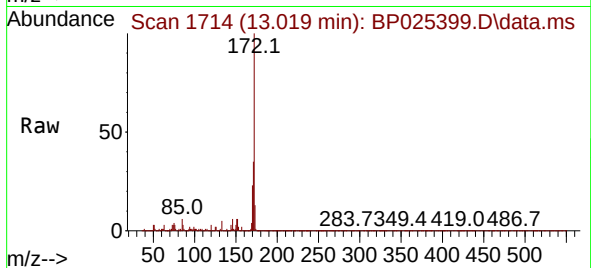




#45
2-Fluorobiphenyl
Concen: 147.705 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

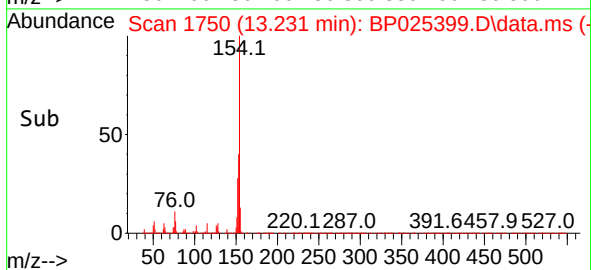
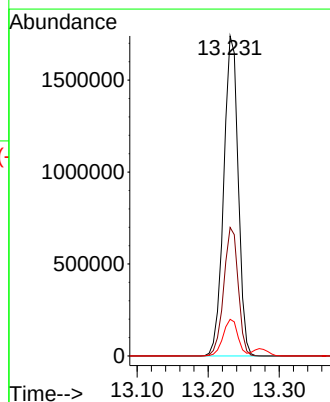
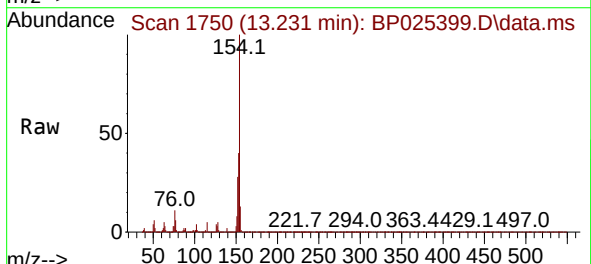
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

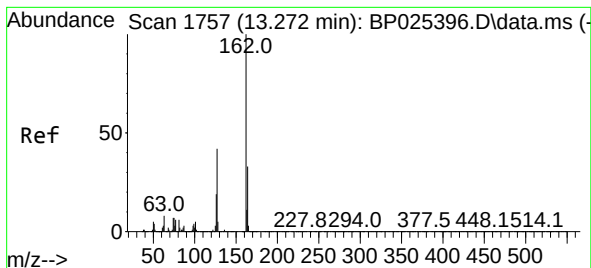
Tgt Ion:172 Resp: 4712591
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 77.476 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 2453536
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.5 0.0 31.1

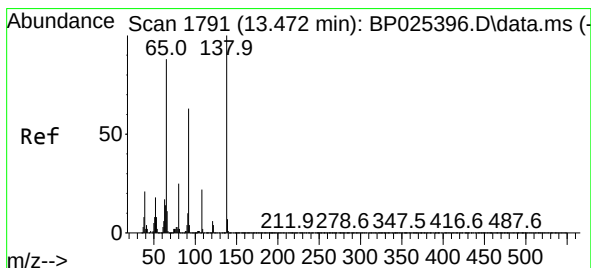
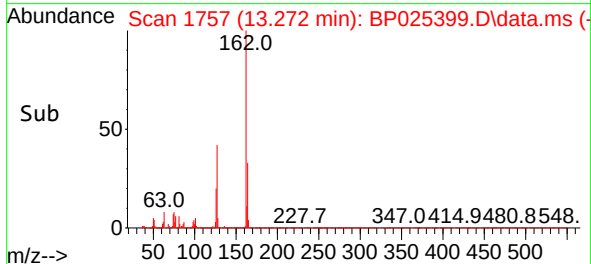
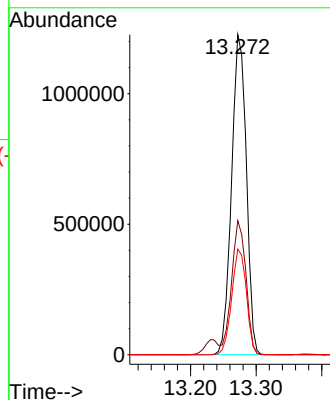
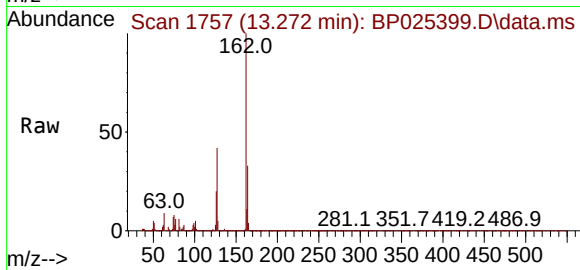




#47
2-Chloronaphthalene
Concen: 77.804 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

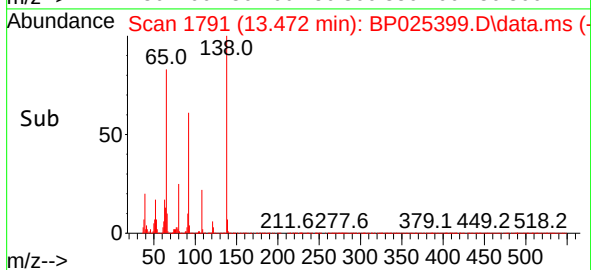
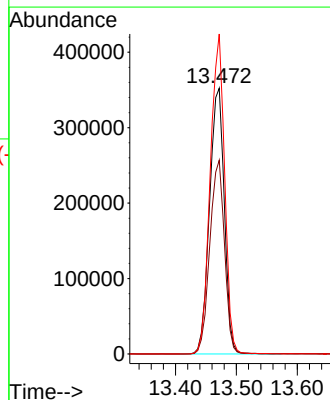
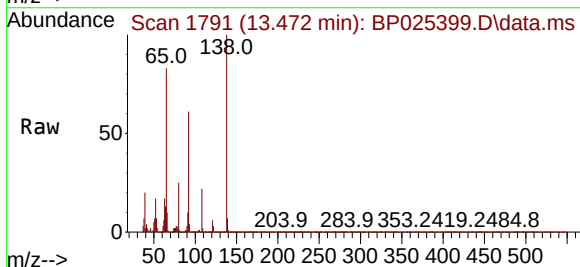
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

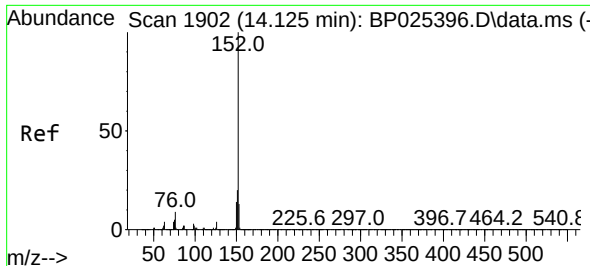
Tgt Ion:162 Resp: 1918120
Ion Ratio Lower Upper
162 100
127 41.9 33.4 50.2
164 33.0 26.2 39.2



#48
2-Nitroaniline
Concen: 82.788 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 65 Resp: 594696
Ion Ratio Lower Upper
65 100
92 72.9 57.6 86.4
138 120.4 91.0 136.6

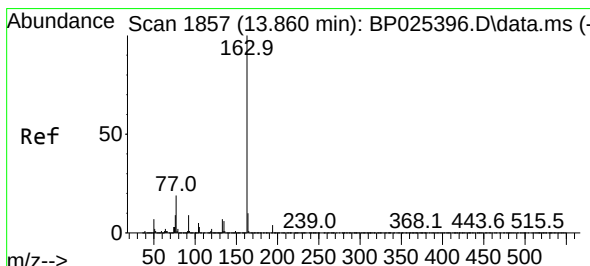
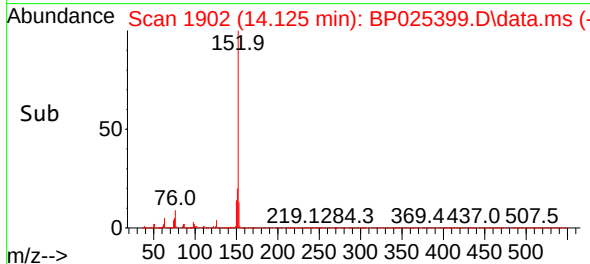
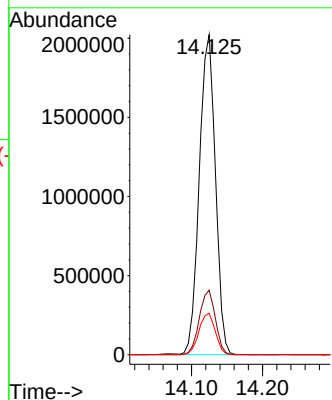
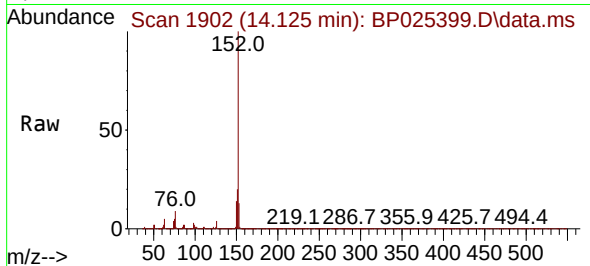




#49
Acenaphthylene
Concen: 78.318 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

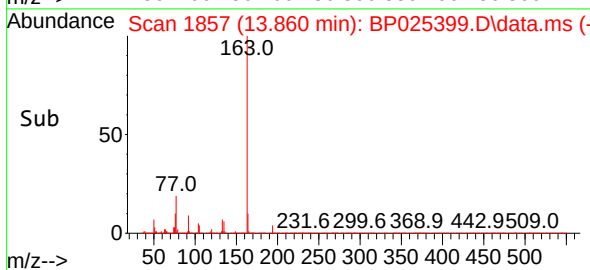
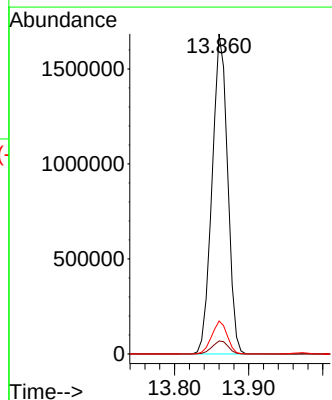
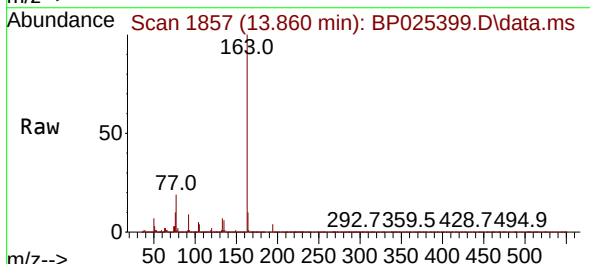
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

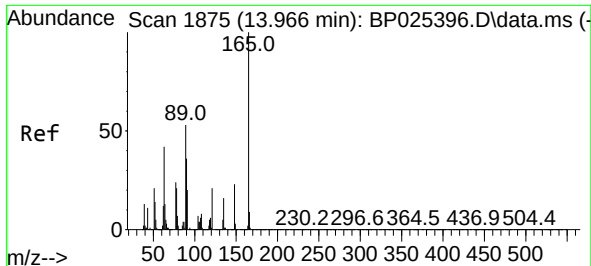
Tgt Ion:152 Resp: 3194918
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.0 10.6 15.8



#50
Dimethylphthalate
Concen: 76.632 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:163 Resp: 2446951
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.3 7.9 11.9

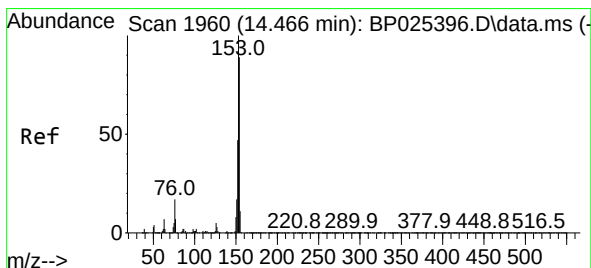
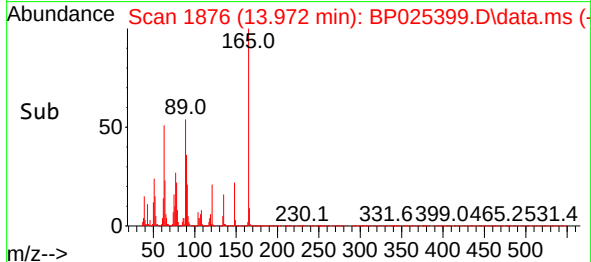
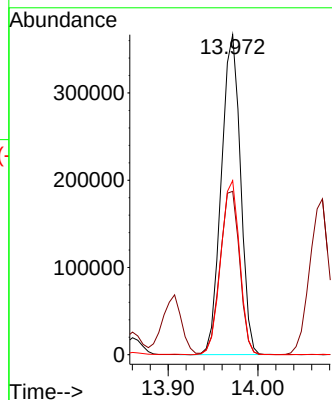
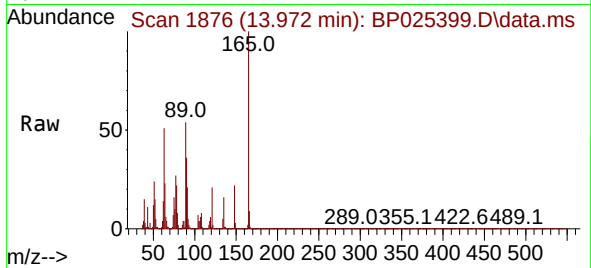




#51
2,6-Dinitrotoluene
Concen: 80.639 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

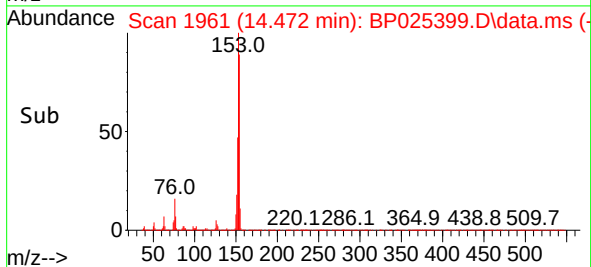
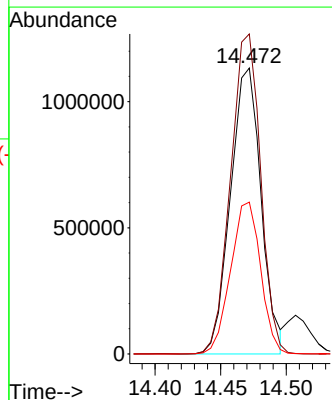
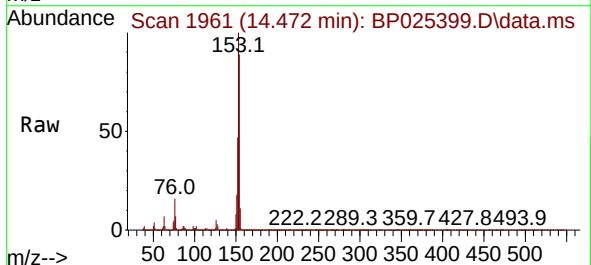
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

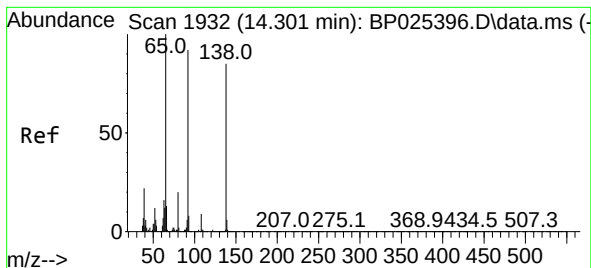
Tgt Ion:165 Resp: 542710
Ion Ratio Lower Upper
165 100
63 51.0 40.9 61.3
89 54.4 42.1 63.1



#52
Acenaphthene
Concen: 76.902 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 1841448
Ion Ratio Lower Upper
154 100
153 111.9 90.2 135.2
152 53.1 42.1 63.1

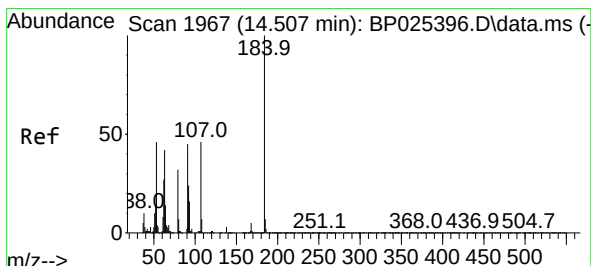
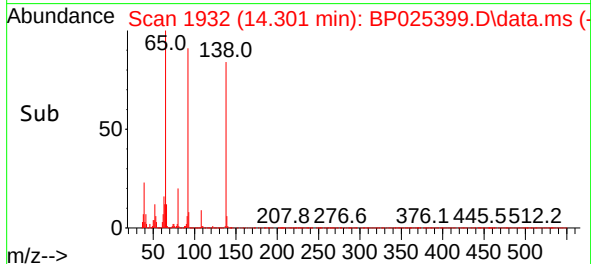
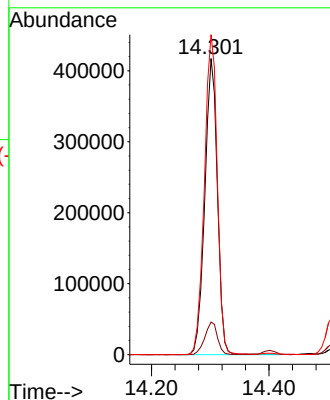
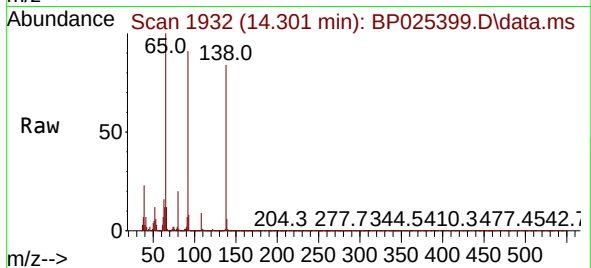




#53
3-Nitroaniline
Concen: 81.627 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

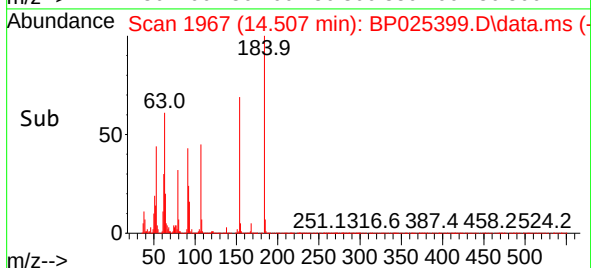
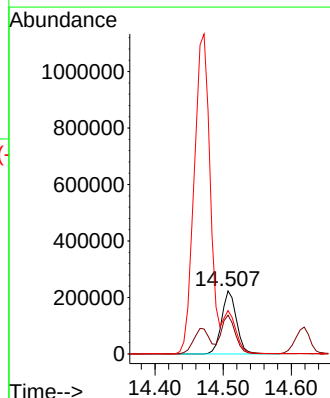
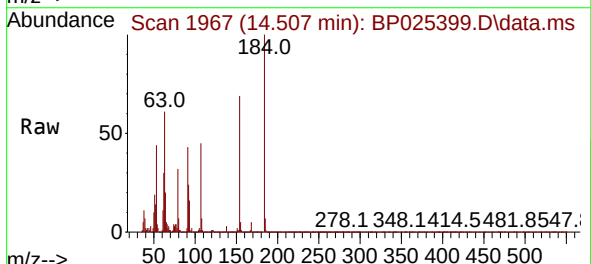
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

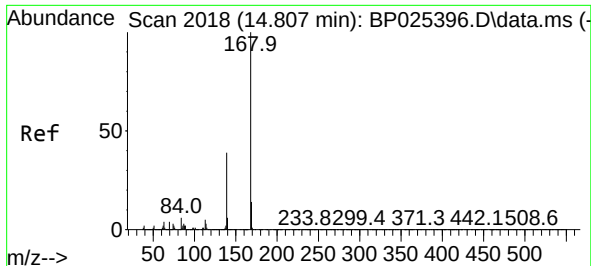
Tgt Ion:138 Resp: 618087
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 108.1 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 94.356 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:184 Resp: 339125
Ion Ratio Lower Upper
184 100
63 61.4 49.4 74.2
154 68.6 54.6 82.0

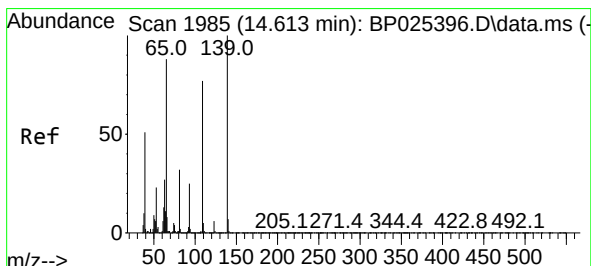
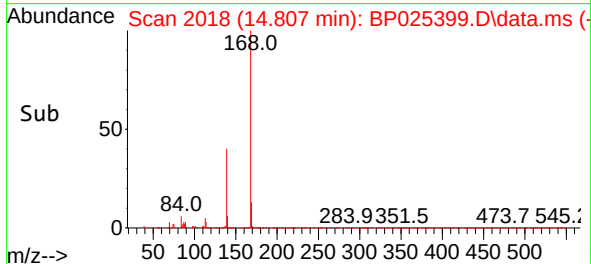
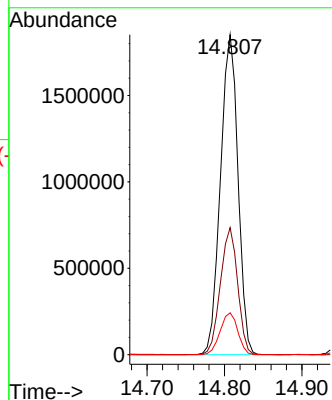
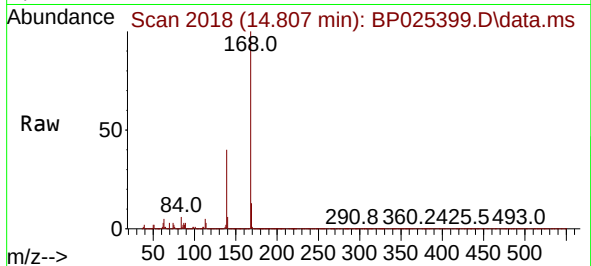




#55
Dibenzofuran
Concen: 77.023 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

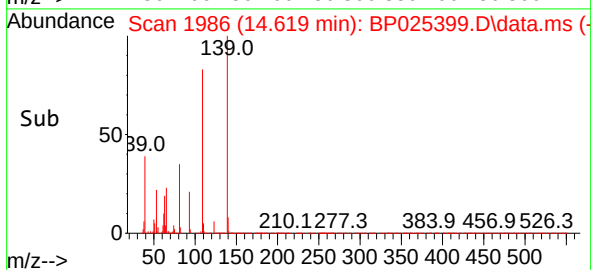
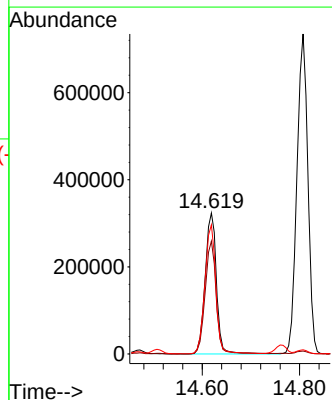
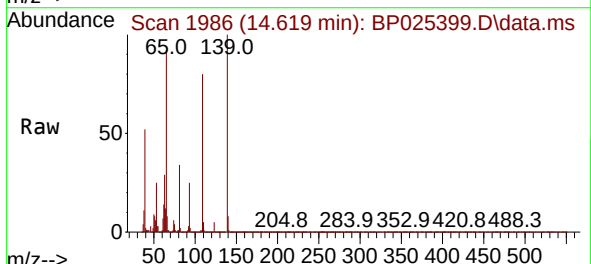
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

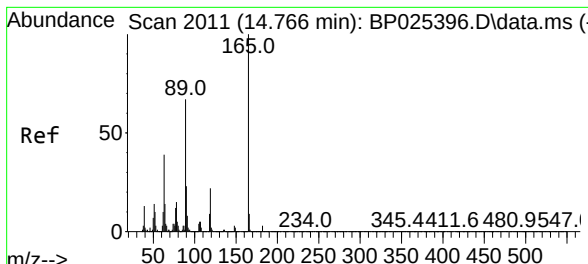
Tgt Ion:168 Resp: 2915933
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.1 10.9 16.3



#56
4-Nitrophenol
Concen: 83.618 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 520294
Ion Ratio Lower Upper
139 100
109 80.0 56.6 96.6
65 91.5 68.2 108.2

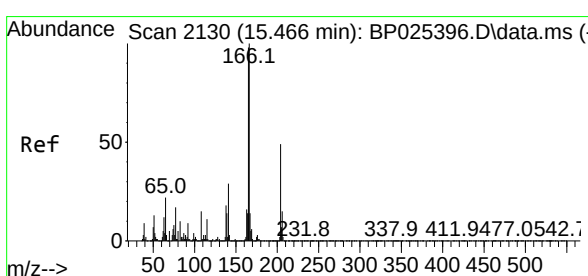
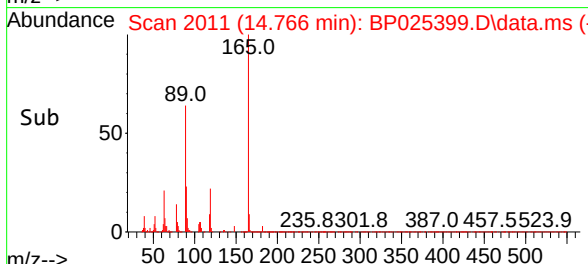
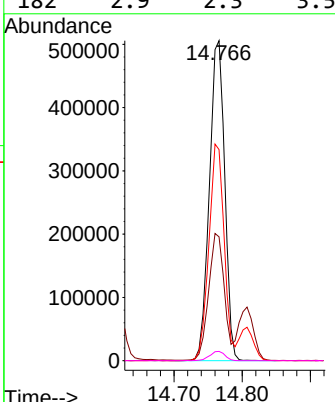
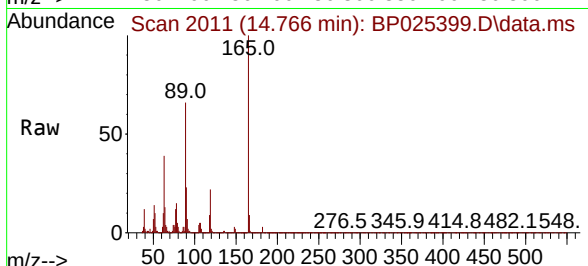




#57
 2,4-Dinitrotoluene
 Concen: 82.399 ng
 RT: 14.766 min Scan# 2011
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

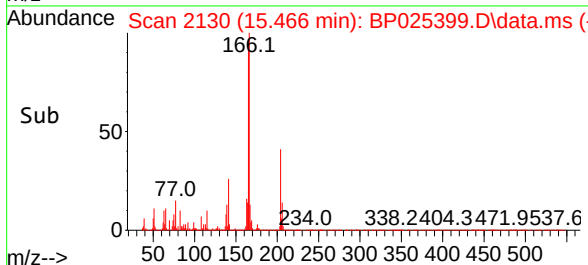
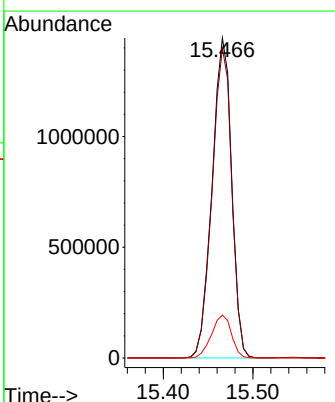
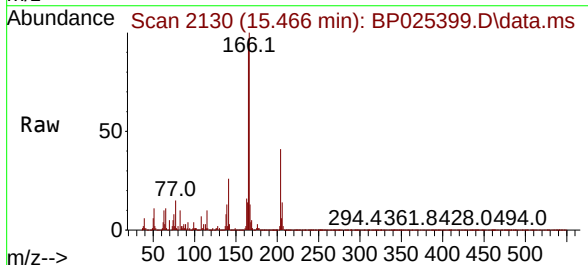
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

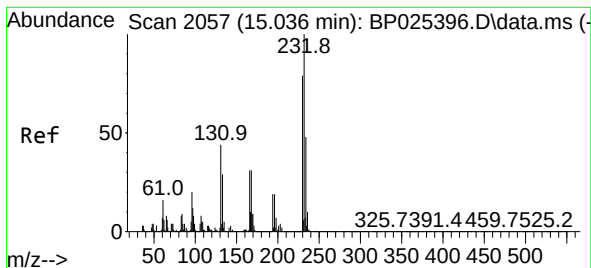
Tgt Ion:	165	Resp:	791214
Ion	Ratio	Lower	Upper
165	100		
63	38.7	31.4	47.2
89	66.0	53.3	79.9
182	2.9	2.3	3.5



#58
 Fluorene
 Concen: 73.164 ng
 RT: 15.466 min Scan# 2130
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

Tgt Ion:	166	Resp:	2185593
Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	13.4	11.0	16.4



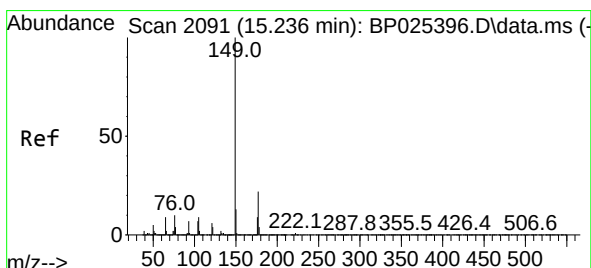
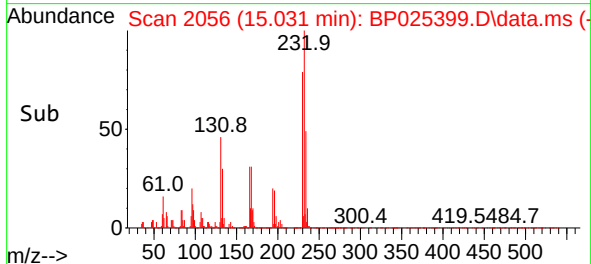
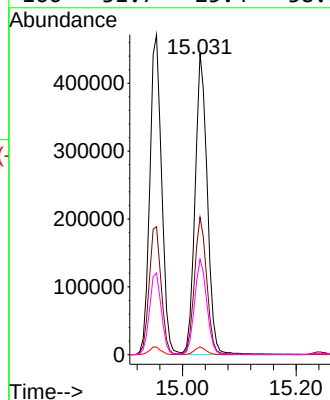
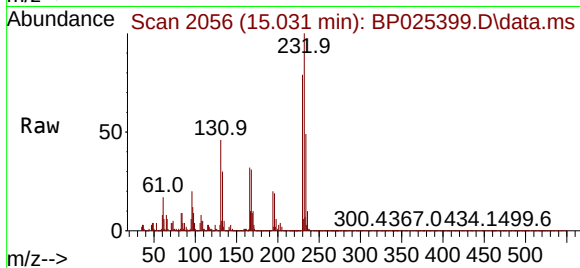


#59
2,3,4,6-Tetrachlorophenol
Concen: 80.448 ng
RT: 15.031 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 661890

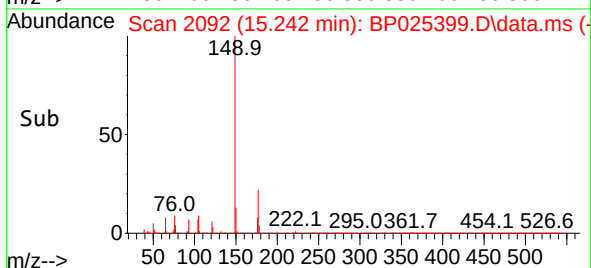
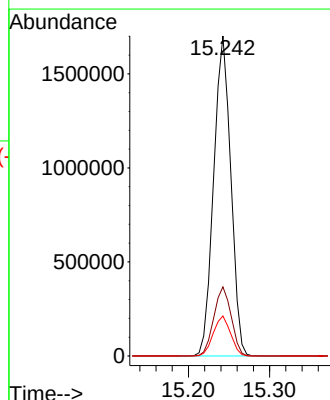
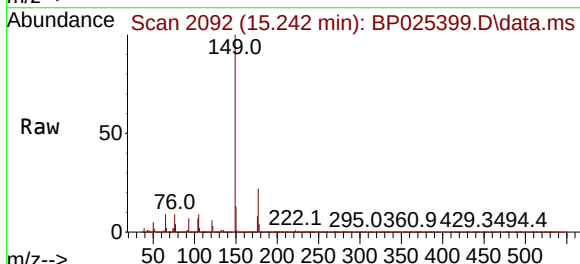
Ion	Ratio	Lower	Upper
232	100		
131	45.9	37.0	55.6
130	2.5	1.9	2.9
166	31.7	25.4	38.0

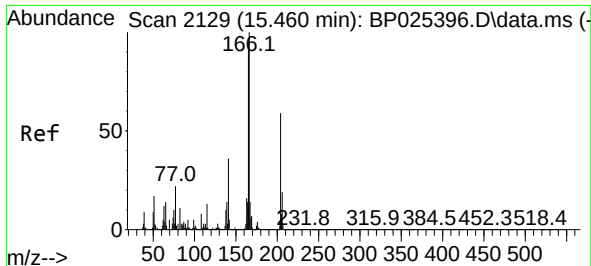


#60
Diethylphthalate
Concen: 76.870 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2494087

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.5	10.3	15.5

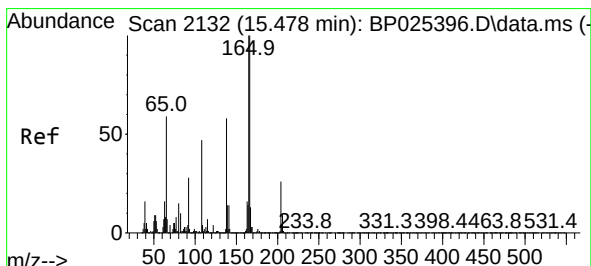
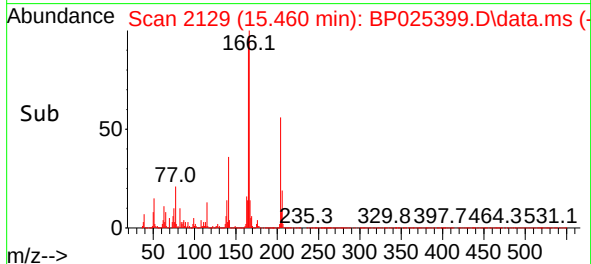
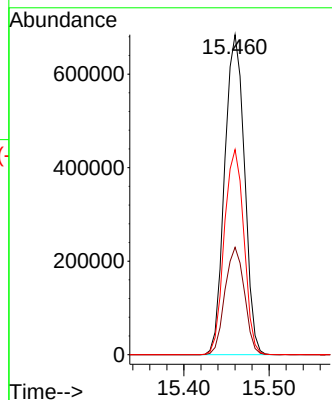
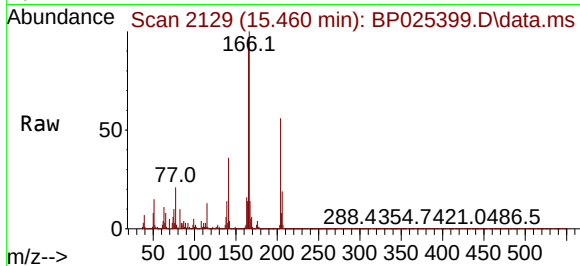




#61
4-Chlorophenyl-phenylether
Concen: 74.388 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

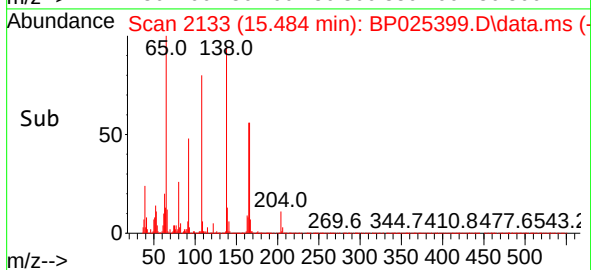
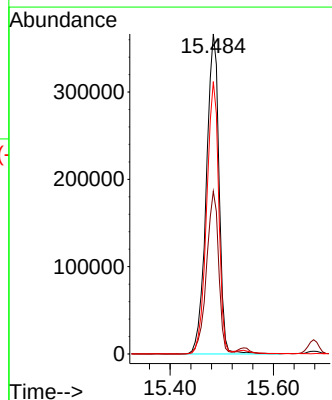
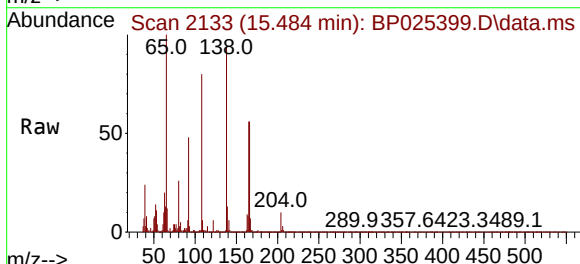
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

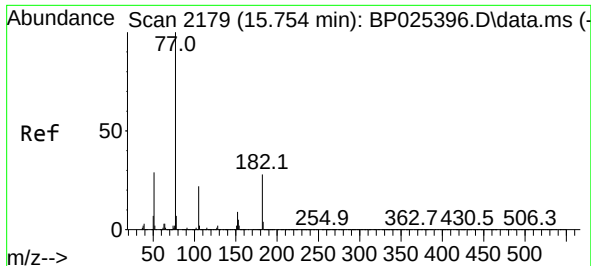
Tgt Ion:204 Resp: 1105157
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 64.1 49.4 74.2



#62
4-Nitroaniline
Concen: 80.710 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

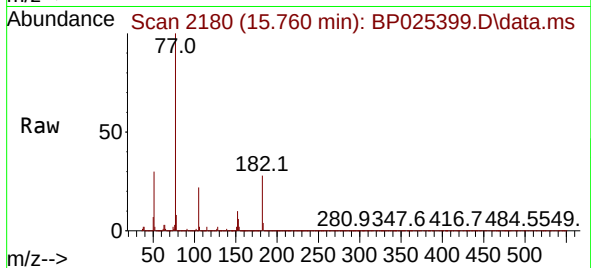
Tgt Ion:138 Resp: 626525
Ion Ratio Lower Upper
138 100
92 50.8 29.1 69.1
108 85.1 61.5 101.5



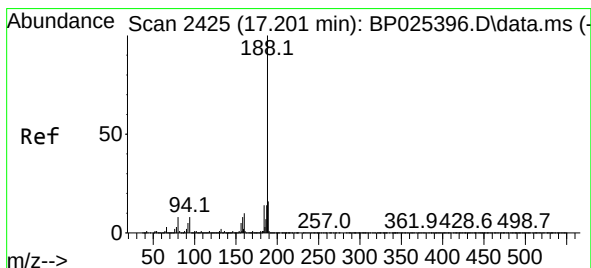
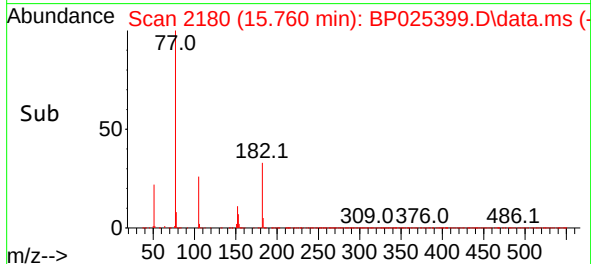
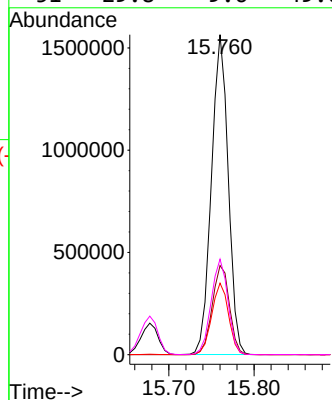


#63
Azobenzene
Concen: 77.017 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

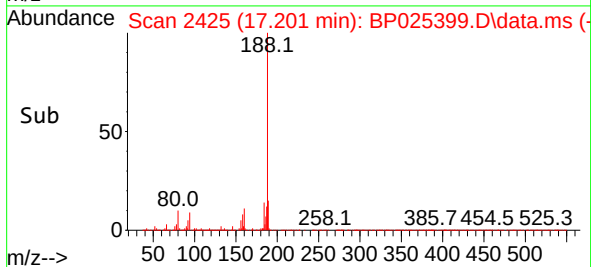
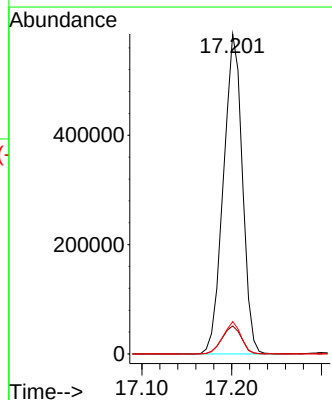
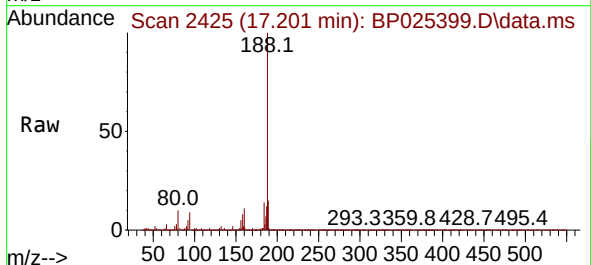


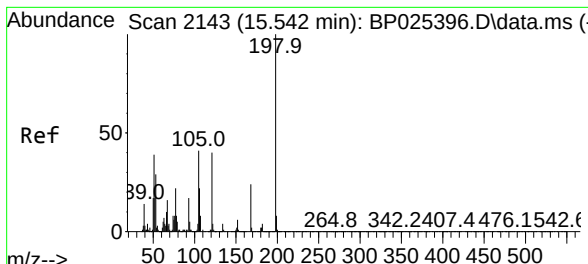
Tgt Ion: 77 Resp: 2139674
Ion Ratio Lower Upper
77 100
182 27.9 7.5 47.5
105 22.3 2.1 42.1
51 29.8 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 188 Resp: 856946
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 10.1 6.7 10.1#

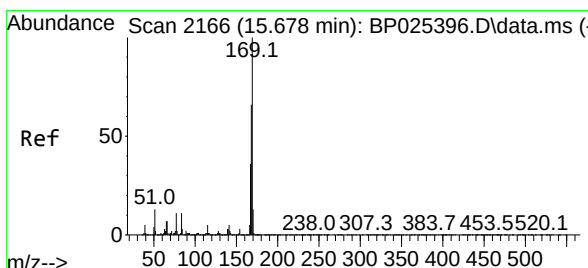
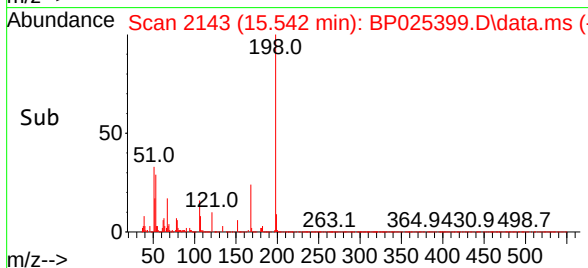
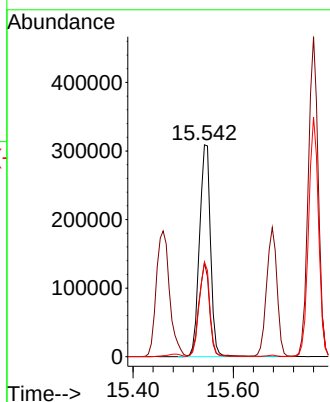
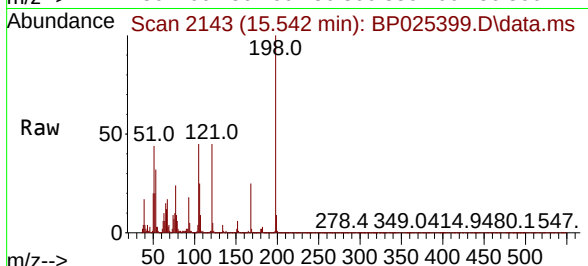




#65
4,6-Dinitro-2-methylphenol
Concen: 88.473 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

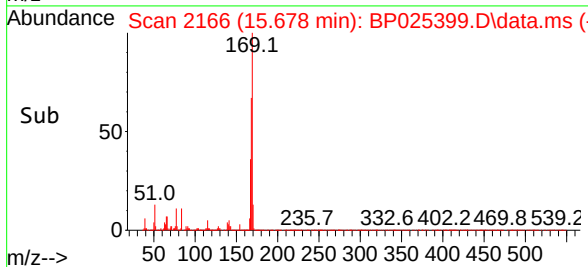
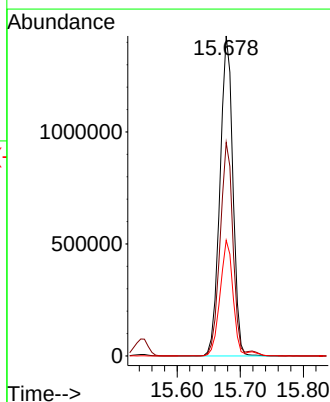
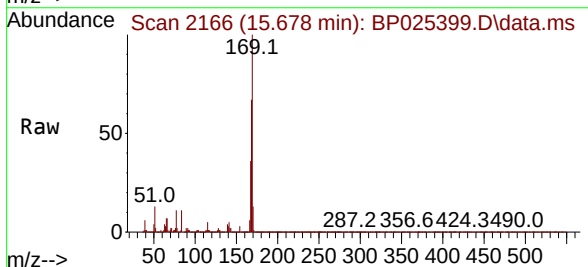
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

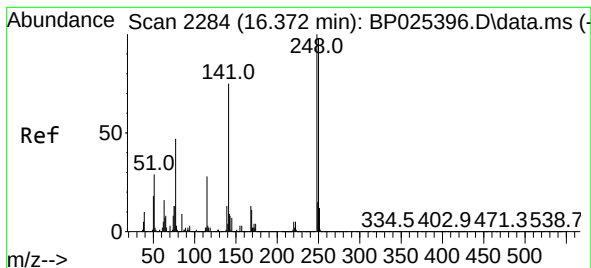
Tgt Ion:198 Resp: 472602
Ion Ratio Lower Upper
198 100
51 44.3 19.6 59.6
105 44.6 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 77.866 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:169 Resp: 2034782
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 36.2 28.7 43.1

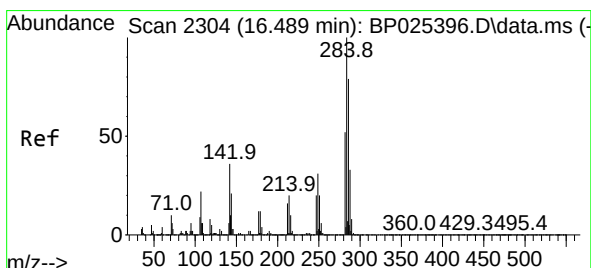
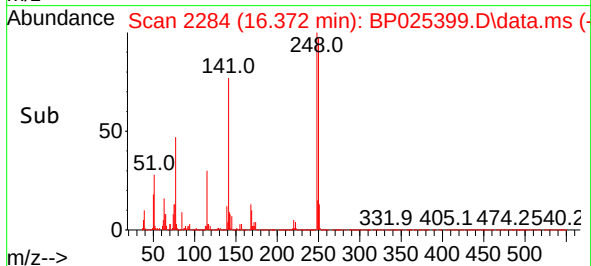
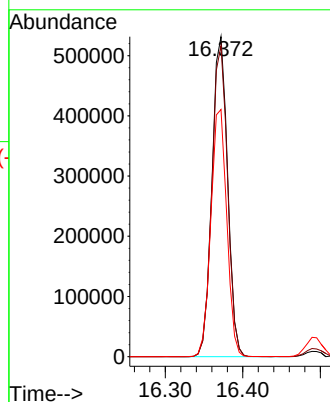
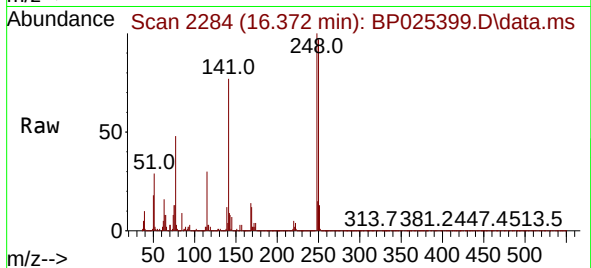




#67
4-Bromophenyl-phenylether
Concen: 79.144 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

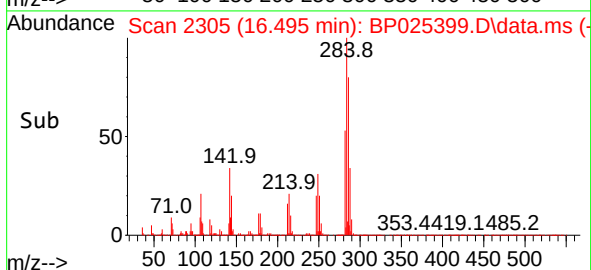
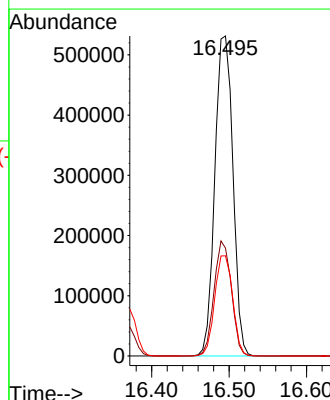
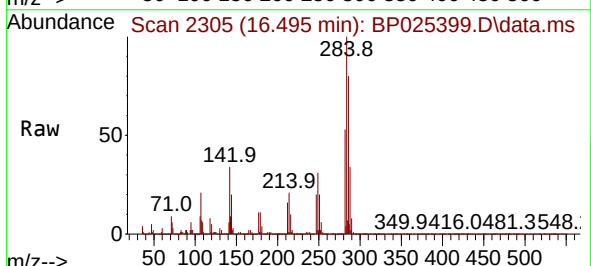
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

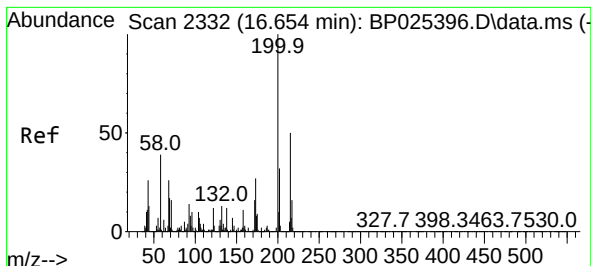
Tgt Ion:	248	Resp:	745915
Ion Ratio	Lower	Upper	
248	100		
250	97.2	78.2	117.2
141	77.2	59.6	89.4



#68
Hexachlorobenzene
Concen: 78.721 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:	284	Resp:	860051
Ion Ratio	Lower	Upper	
284	100		
142	33.7	29.1	43.7
249	31.3	25.0	37.4





#69

Atrazine

Concen: 80.064 ng

RT: 16.654 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

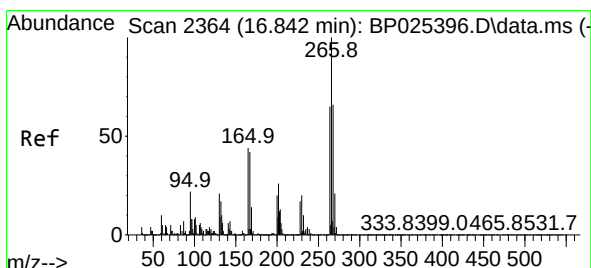
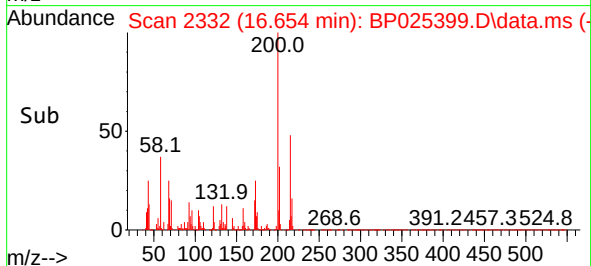
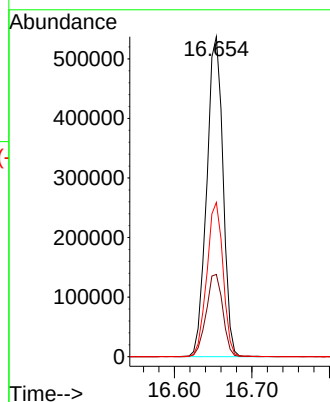
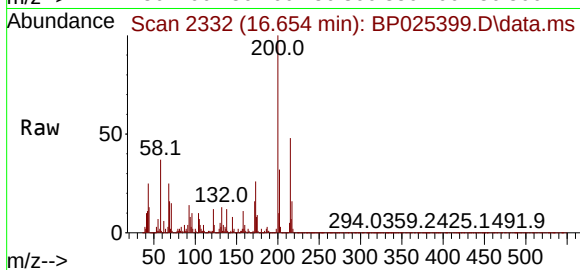
Tgt Ion:200 Resp: 783533

Ion Ratio Lower Upper

200 100

173 25.7 6.7 46.7

215 48.2 29.7 69.7



#70

Pentachlorophenol

Concen: 85.502 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

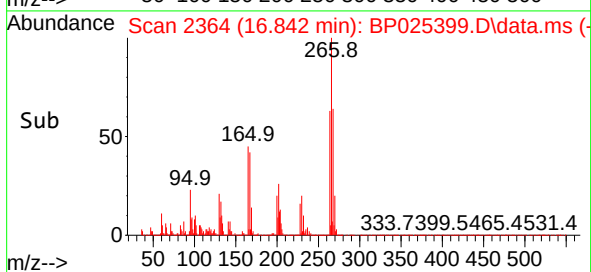
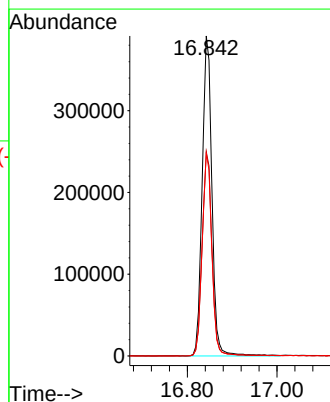
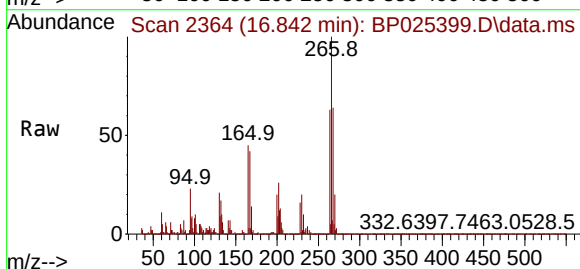
Tgt Ion:266 Resp: 589673

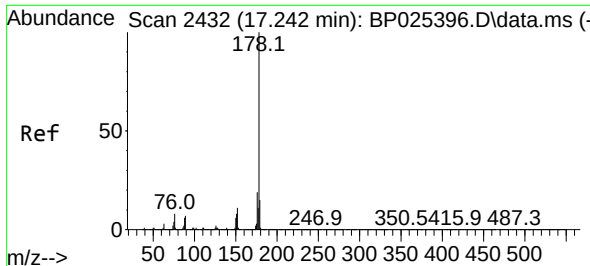
Ion Ratio Lower Upper

266 100

268 63.8 52.6 79.0

264 63.4 52.0 78.0

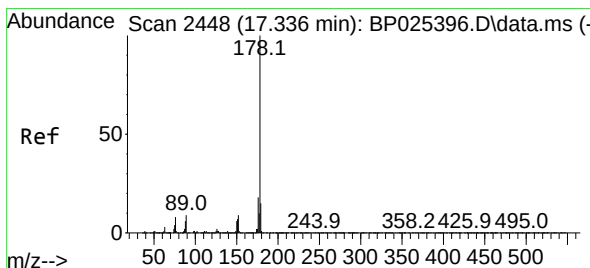
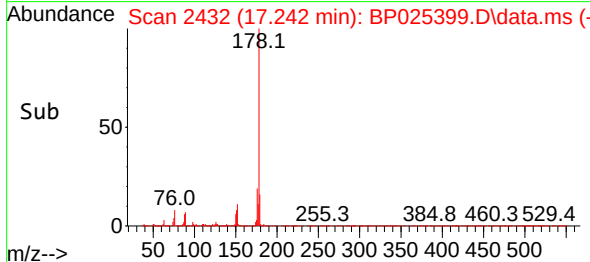
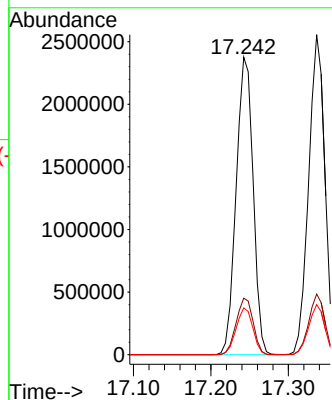
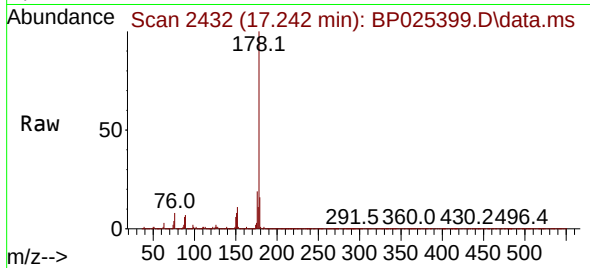




#71
Phenanthrene
Concen: 76.972 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

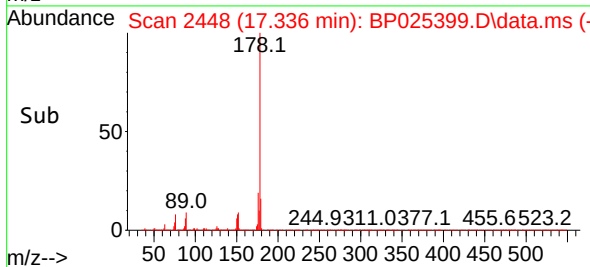
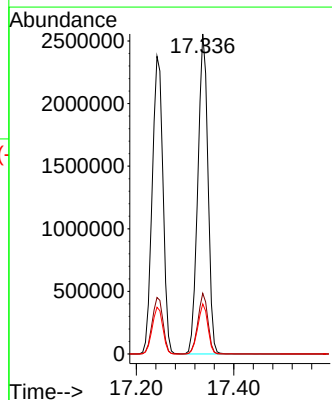
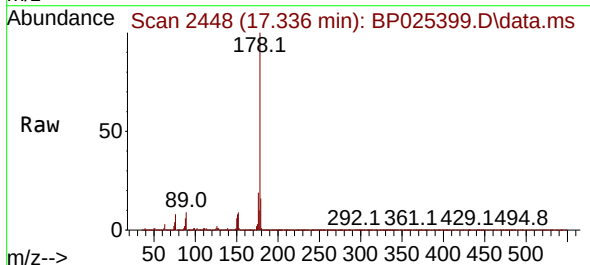
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

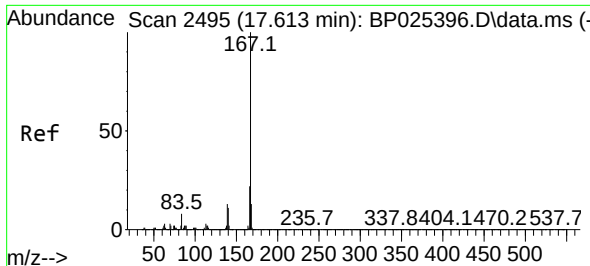
Tgt Ion:178 Resp: 3623454
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.2 18.4



#72
Anthracene
Concen: 77.014 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:178 Resp: 3702277
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.7 12.2 18.2

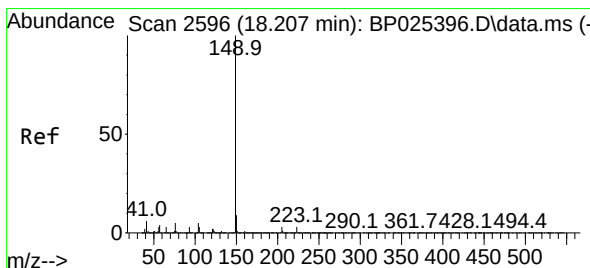
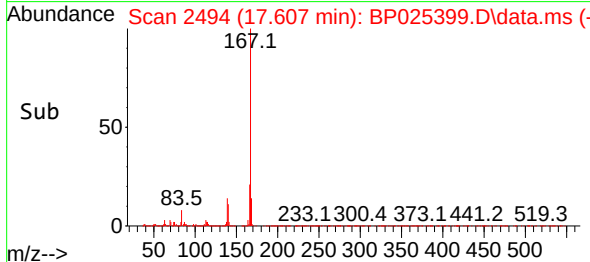
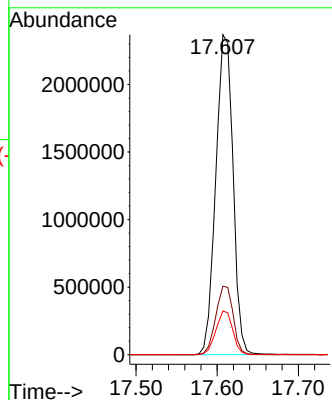
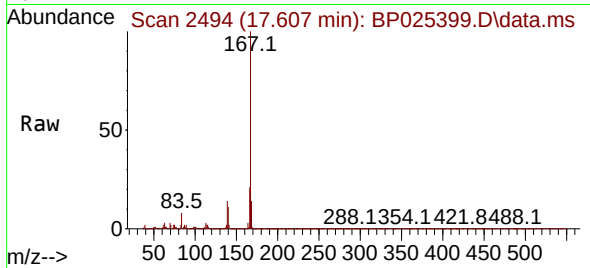




#73
Carbazole
Concen: 77.368 ng
RT: 17.607 min Scan# 2495
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

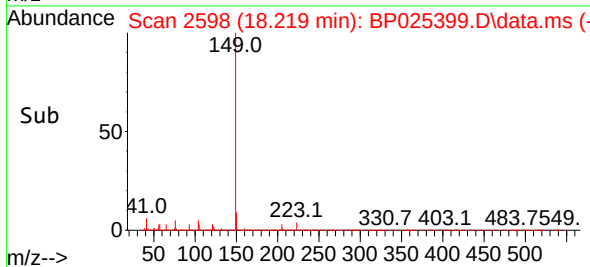
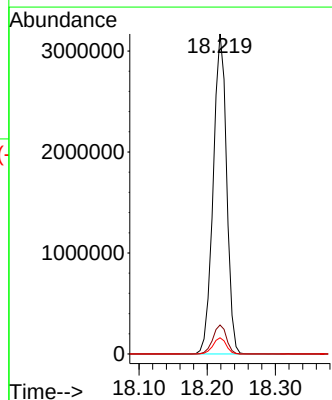
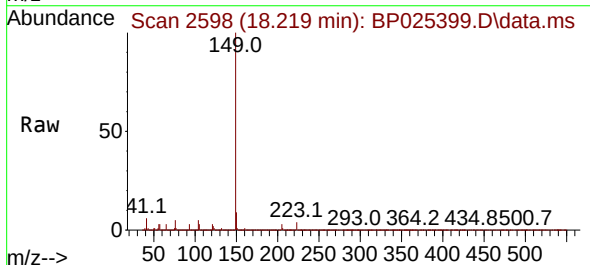
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

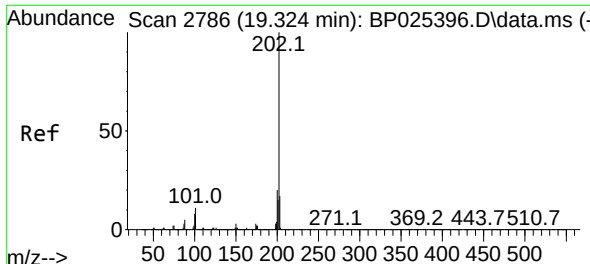
Tgt Ion:167 Resp: 3503273
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.7 10.6 16.0



#74
Di-n-butylphthalate
Concen: 77.844 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 4336701
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.0 4.2 6.2

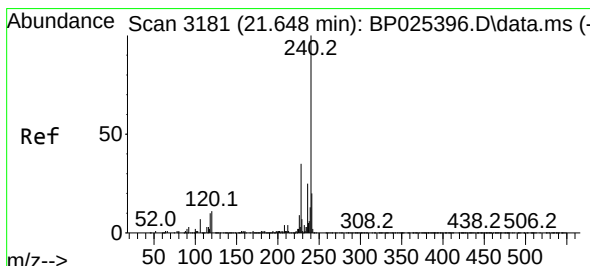
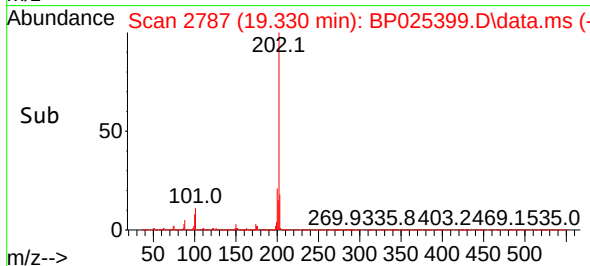
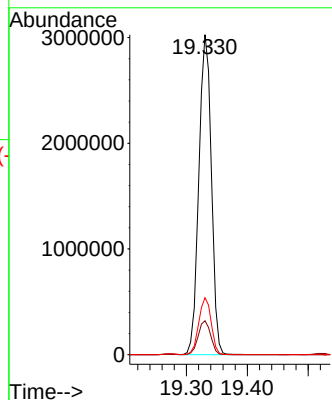
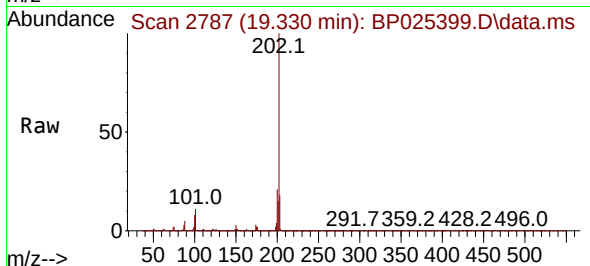




#75
Fluoranthene
Concen: 76.815 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

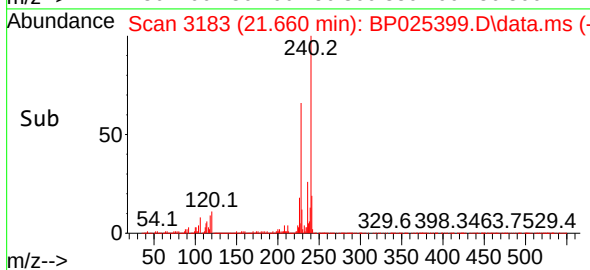
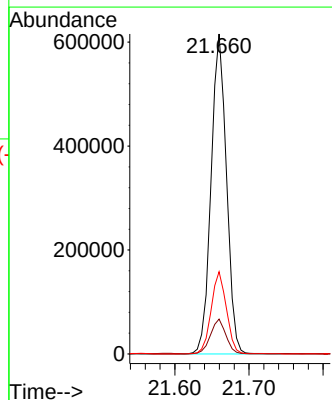
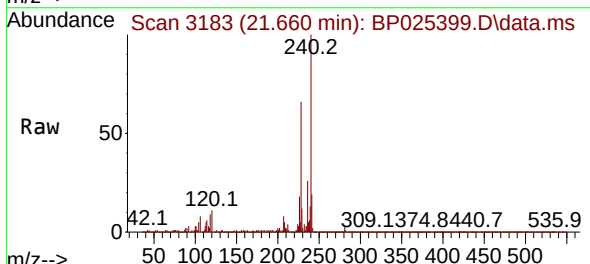
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

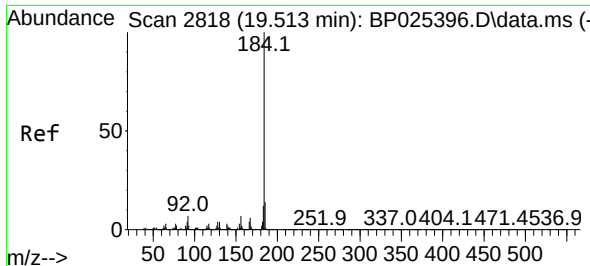
Tgt Ion:202 Resp: 4313301
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.1
203 17.8 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:240 Resp: 888879
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 25.7 19.8 29.8

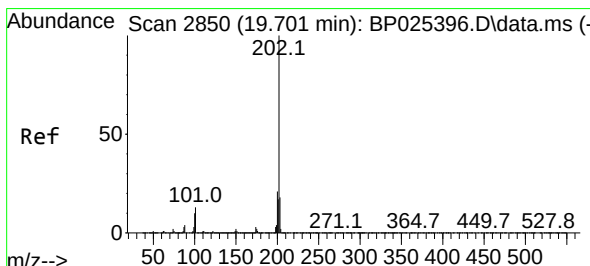
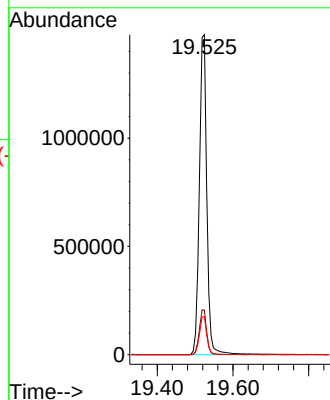
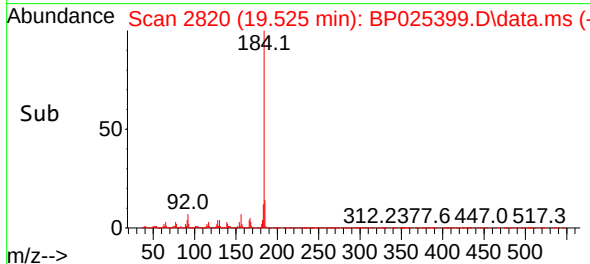
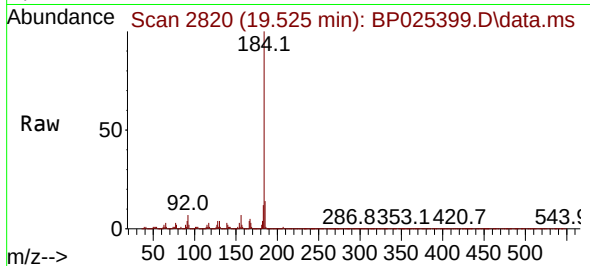




#77
Benzidine
Concen: 67.124 ng
RT: 19.525 min Scan# 2820
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

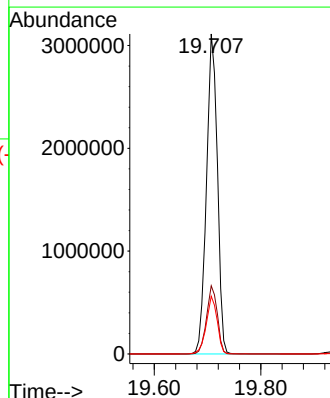
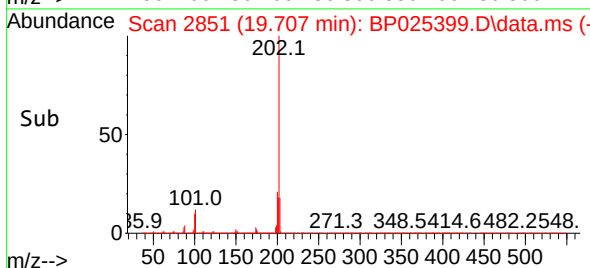
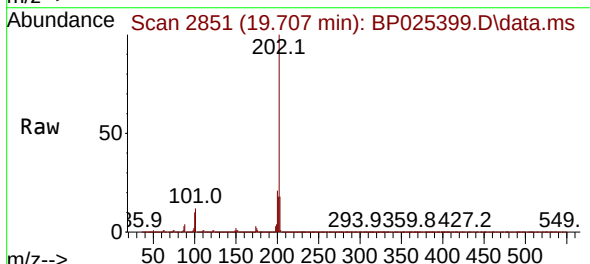
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

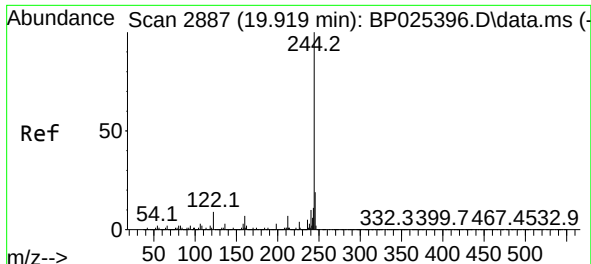
Tgt Ion:184 Resp: 2036246
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 11.9 9.4 14.2



#78
Pyrene
Concen: 76.343 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:202 Resp: 4410693
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 18.1 14.2 21.2

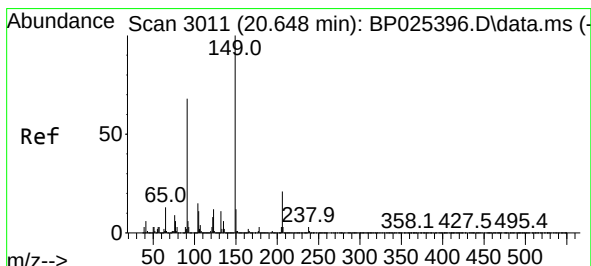
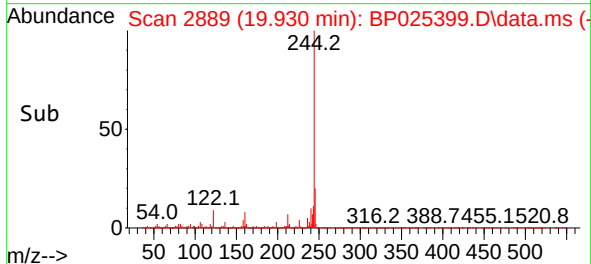
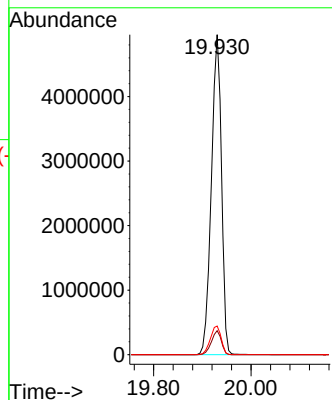
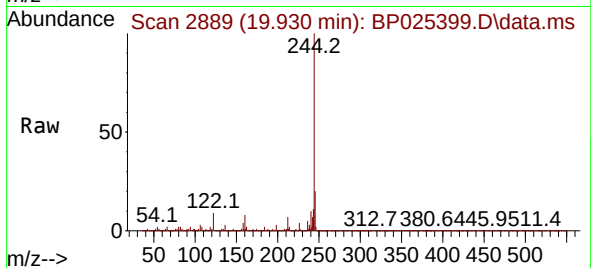




#79
 Terphenyl-d14
 Concen: 146.217 ng
 RT: 19.930 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

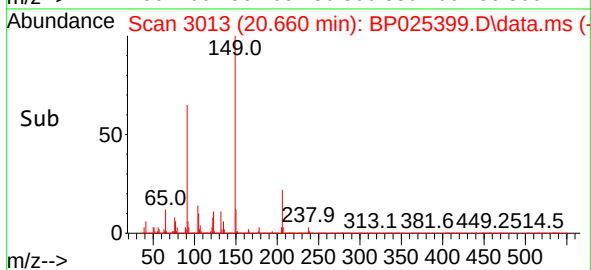
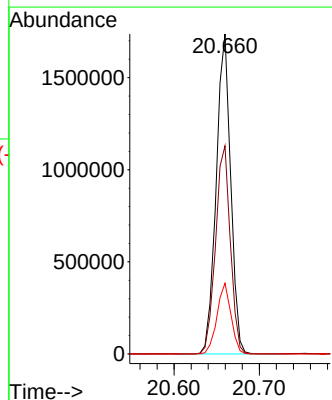
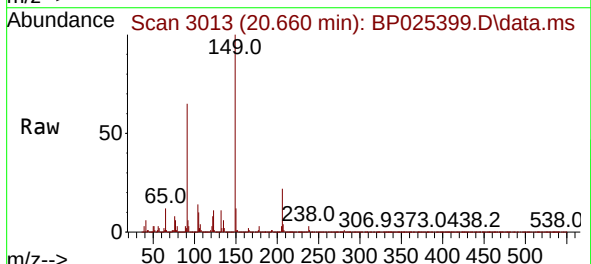
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

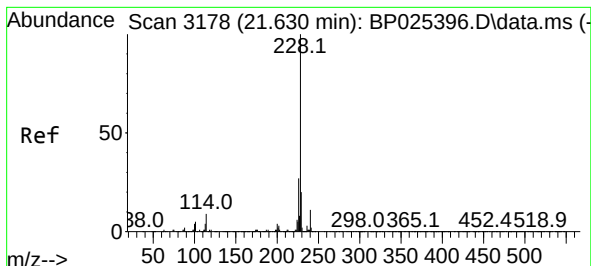
Tgt Ion:244 Resp: 7103816
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 9.0 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 78.460 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2054404
 Ion Ratio Lower Upper
 149 100
 91 65.0 54.2 81.2
 206 22.1 16.6 24.8





#81

Benzo(a)anthracene

Concen: 77.322 ng

RT: 21.642 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

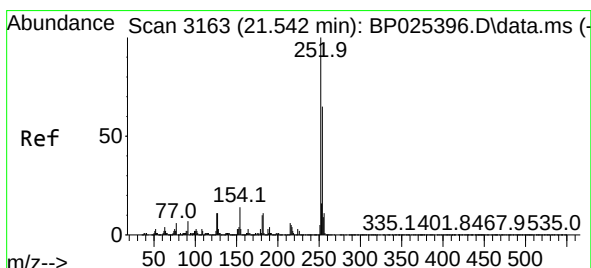
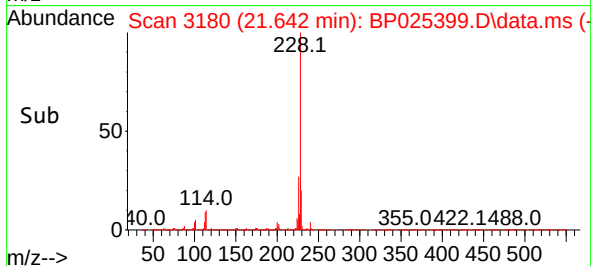
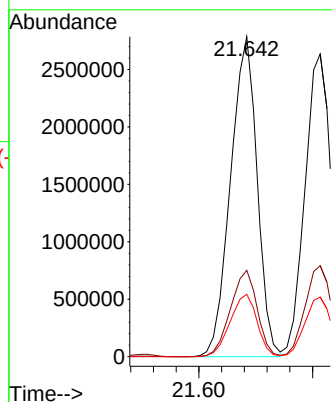
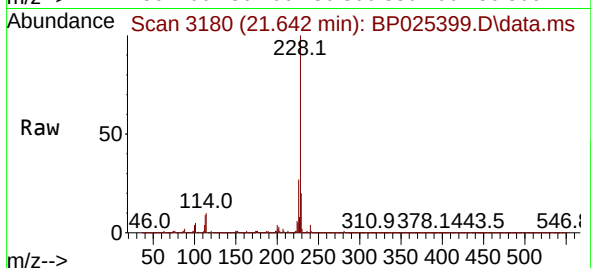
Tgt Ion:228 Resp: 4532763

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 19.5 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 77.197 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.012 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

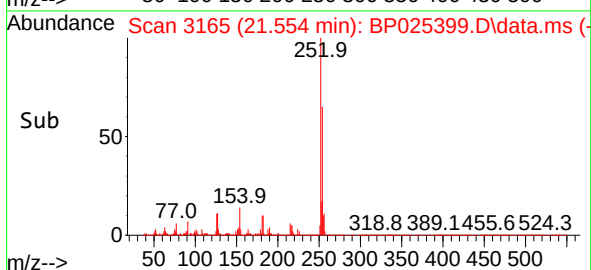
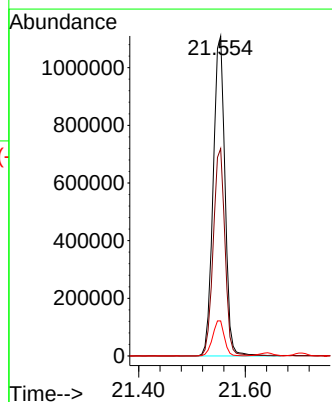
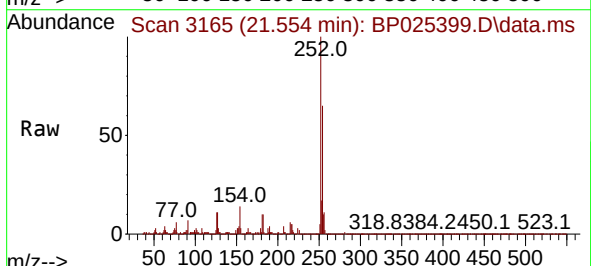
Tgt Ion:252 Resp: 1705746

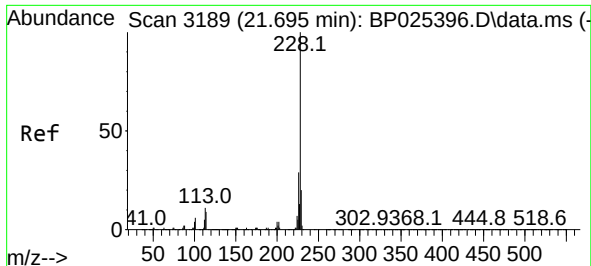
Ion Ratio Lower Upper

252 100

254 64.8 51.8 77.6

126 11.0 9.1 13.7

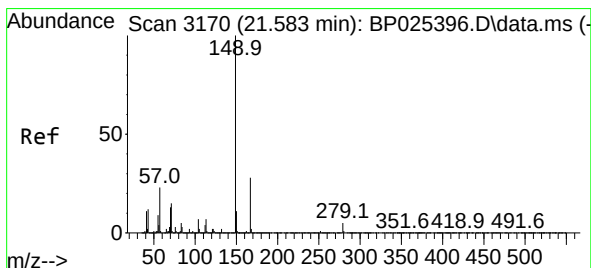
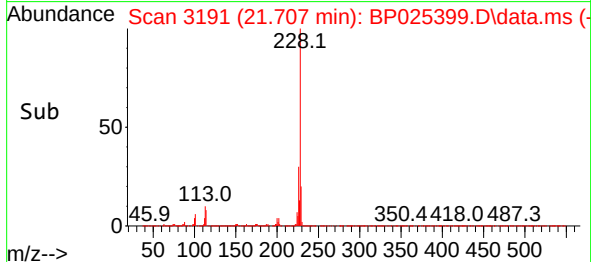
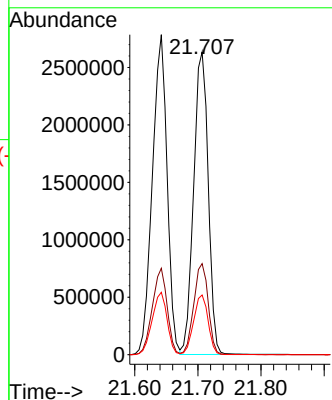
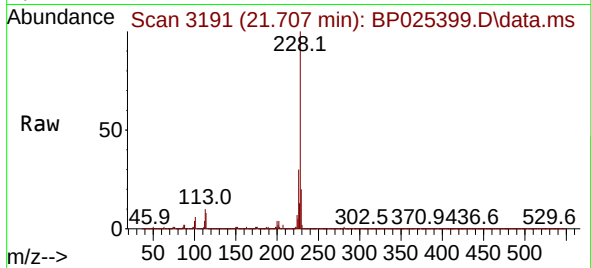




#83
Chrysene
Concen: 76.835 ng
RT: 21.707 min Scan# 3189
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

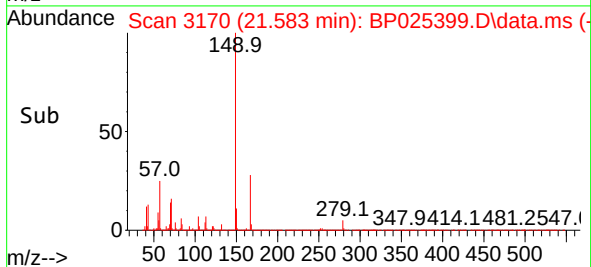
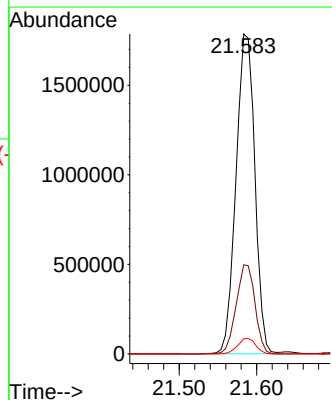
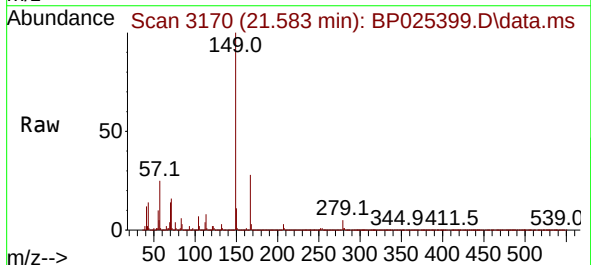
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

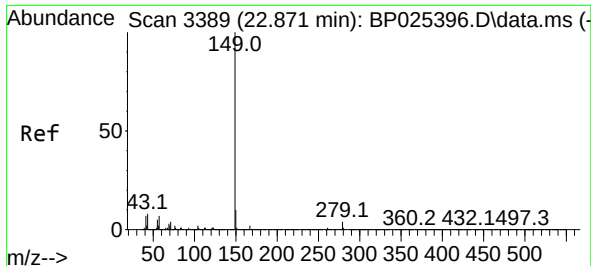
Tgt Ion:228 Resp: 4218161
Ion Ratio Lower Upper
228 100
226 30.1 23.2 34.8
229 19.7 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 78.400 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 3021891
Ion Ratio Lower Upper
149 100
167 27.8 22.1 33.1
279 4.8 3.8 5.6

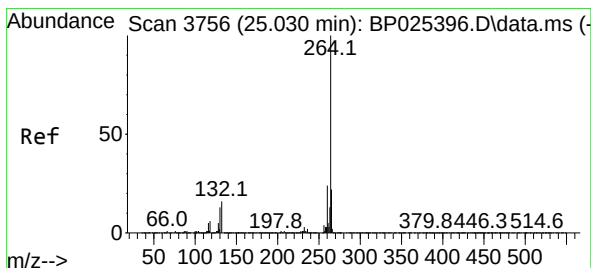
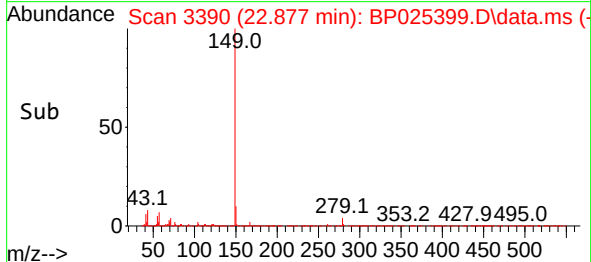
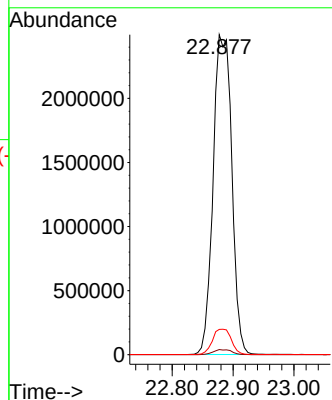
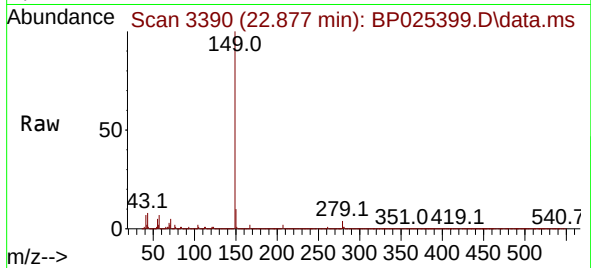




#85
Di-n-octyl phthalate
Concen: 79.974 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

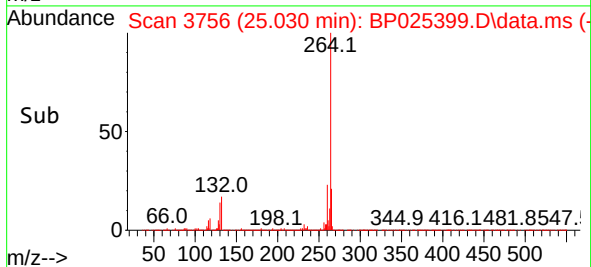
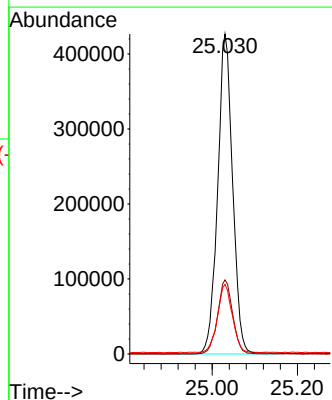
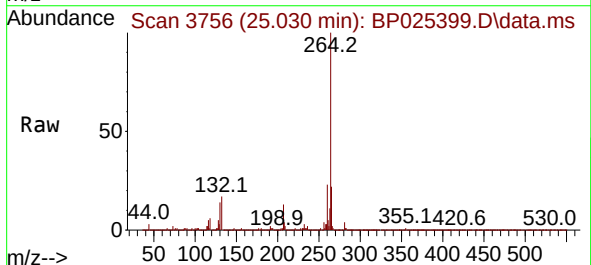
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

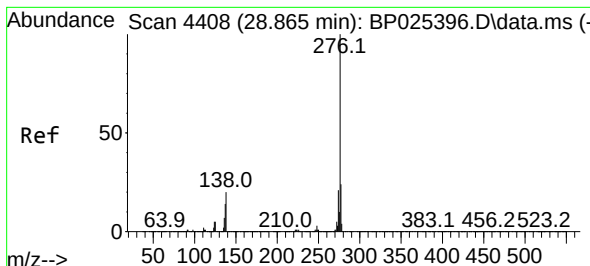
Tgt Ion:149 Resp: 5302080
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:264 Resp: 1037707
Ion Ratio Lower Upper
264 100
260 23.2 19.3 28.9
265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 71.894 ng

RT: 28.895 min Scan# 4408

Delta R.T. 0.029 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

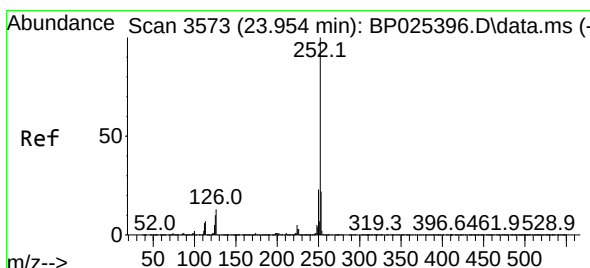
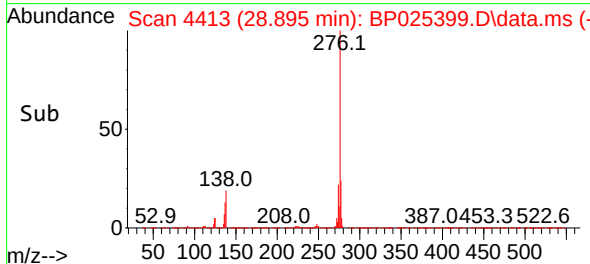
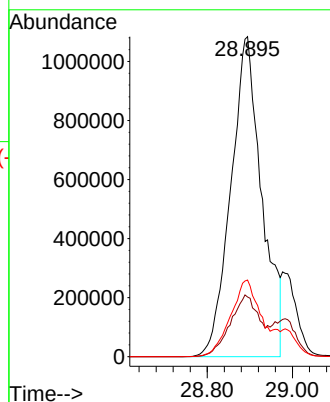
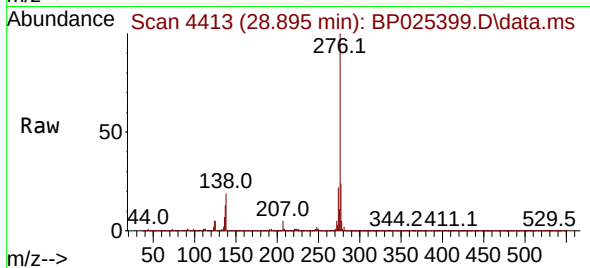
Tgt Ion:276 Resp: 5473121

Ion Ratio Lower Upper

276 100

138 19.0 12.9 19.3

277 23.1 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 79.692 ng

RT: 23.977 min Scan# 3577

Delta R.T. 0.024 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

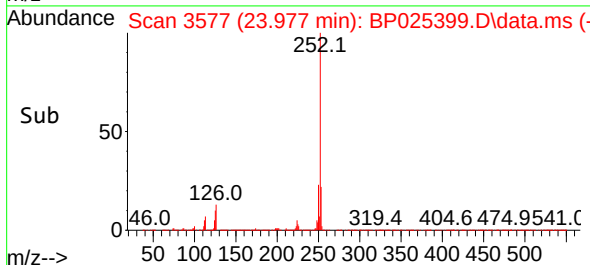
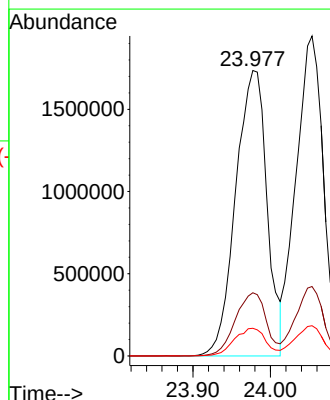
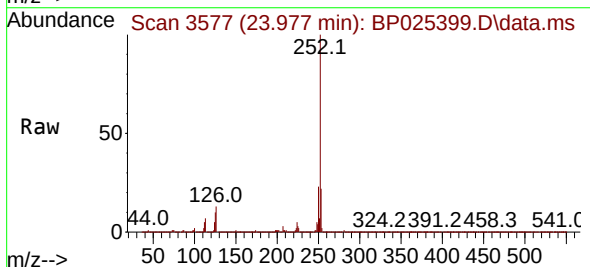
Tgt Ion:252 Resp: 4876398

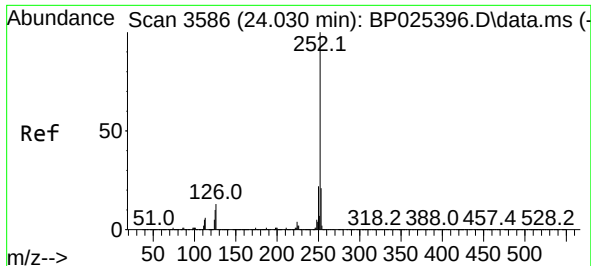
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.7 7.9 11.9

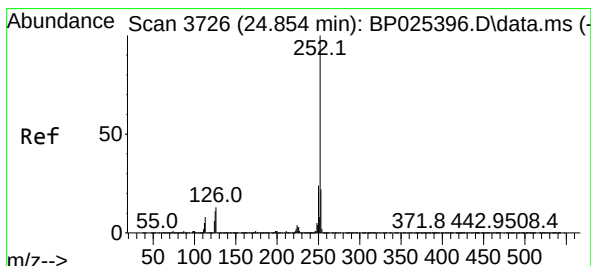
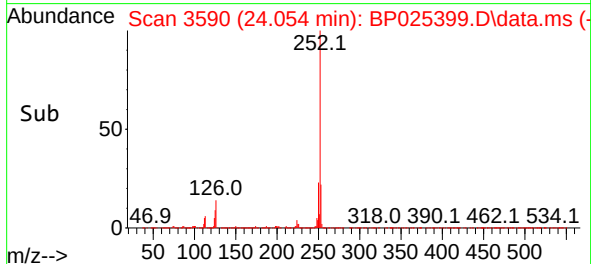
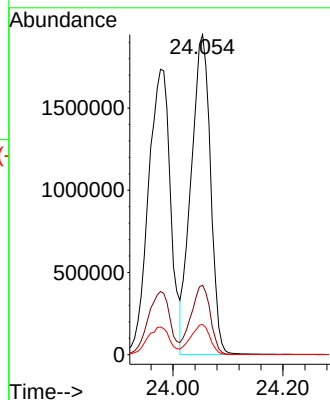
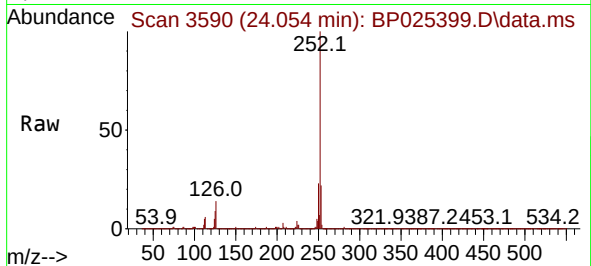




#89
Benzo(k)fluoranthene
Concen: 77.323 ng
RT: 24.054 min Scan# 31
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

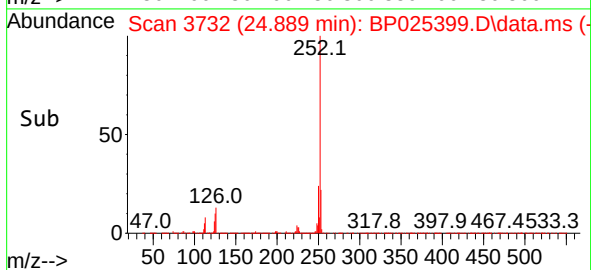
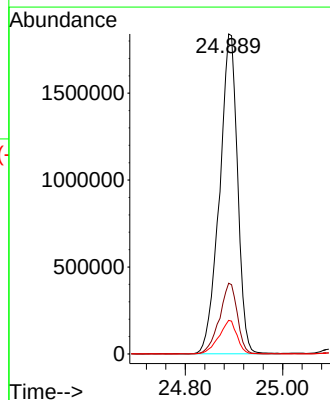
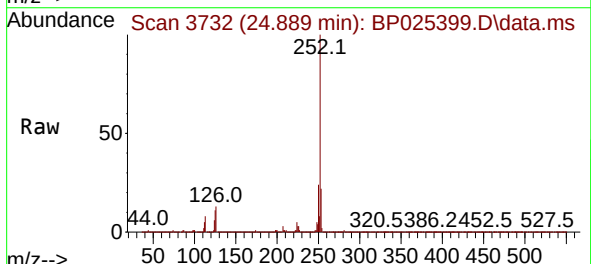
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

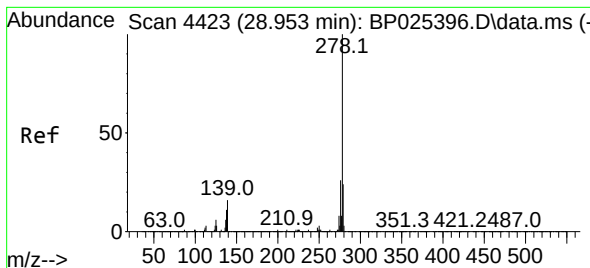
Tgt Ion:252 Resp: 4734637
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 9.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 79.505 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.035 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 4735685
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 81.142 ng

RT: 28.983 min Scan# 4423

Delta R.T. 0.029 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

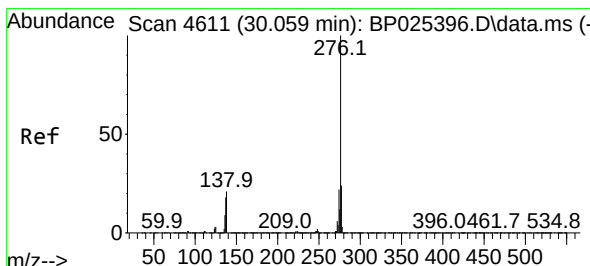
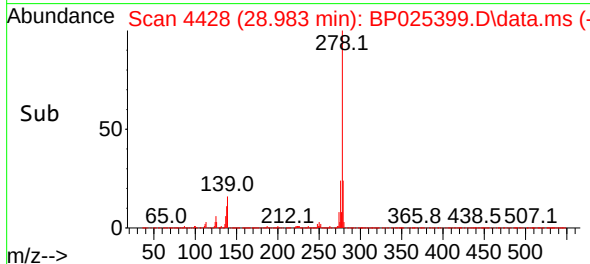
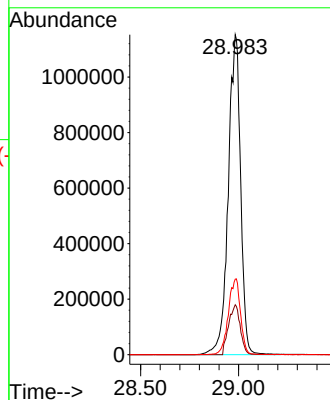
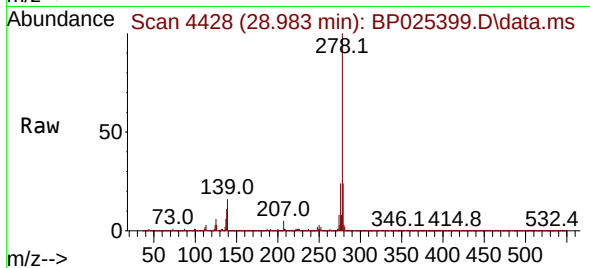
BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:278 Resp: 5046260

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.0	19.4
279	23.6	19.4	29.2



#92

Benzo(g,h,i)perylene

Concen: 80.973 ng

RT: 30.106 min Scan# 4619

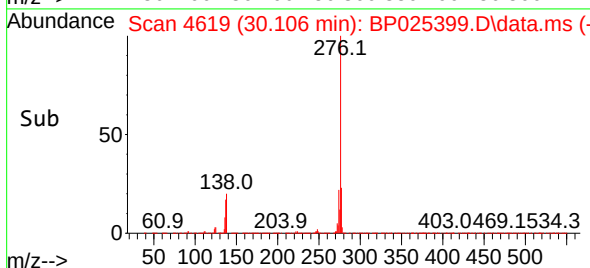
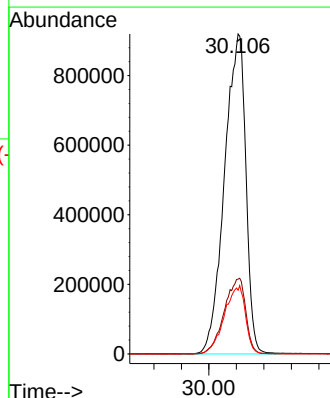
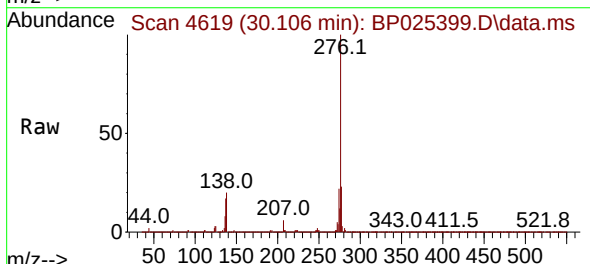
Delta R.T. 0.047 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Tgt Ion:276 Resp: 4949477

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	19.9	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	174007	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	750079	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	503239	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1034378	20.000	ng	0.01
76) Chrysene-d12	21.654	240	1060337	20.000	ng	0.00
86) Perylene-d12	25.024	264	1200519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	727486	69.430	ng	0.00
7) Phenol-d6	6.966	99	962695	71.663	ng	0.00
23) Nitrobenzene-d5	8.937	82	984441	66.391	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	484870	71.582	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2430828	66.016	ng	0.00
79) Terphenyl-d14	19.936	244	3848160	66.399	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	138687	33.792	ng	99
3) Pyridine	3.731	79	403298	35.901	ng	98
4) n-Nitrosodimethylamine	3.631	42	176521	38.115	ng	98
6) Aniline	7.125	93	690437	38.147	ng	99
8) 2-Chlorophenol	7.366	128	455230	38.501	ng	99
9) Benzaldehyde	6.943	77	321335	34.142	ng	96
10) Phenol	6.996	94	541123	38.388	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	421318	38.348	ng	99
12) 1,3-Dichlorobenzene	7.684	146	492014	37.738	ng	100
13) 1,4-Dichlorobenzene	7.825	146	504919	37.890	ng	97
14) 1,2-Dichlorobenzene	8.143	146	487845	37.818	ng	99
15) Benzyl Alcohol	8.025	79	416544	39.025	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	563276	38.271	ng	99
17) 2-Methylphenol	8.225	107	380608	38.877	ng	100
18) Hexachloroethane	8.866	117	186691	38.103	ng	97
19) n-Nitroso-di-n-propyla...	8.590	70	340533	38.270	ng	99
20) 3+4-Methylphenols	8.549	107	524095	38.620	ng	99
22) Acetophenone	8.602	105	718869	38.216	ng	# 99
24) Nitrobenzene	8.978	77	494466	37.313	ng	98
25) Isophorone	9.501	82	993378	37.855	ng	99
26) 2-Nitrophenol	9.678	139	263348	38.722	ng	97
27) 2,4-Dimethylphenol	9.743	122	455078	38.910	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	599862	37.816	ng	99
29) 2,4-Dichlorophenol	10.213	162	449034	38.649	ng	98
30) 1,2,4-Trichlorobenzene	10.431	180	474183	37.231	ng	98
31) Naphthalene	10.613	128	1459279	37.431	ng	99
32) Benzoic acid	9.884	122	330207	38.242	ng	96
33) 4-Chloroaniline	10.713	127	655135	38.043	ng	99
34) Hexachlorobutadiene	10.901	225	293728	37.031	ng	98
35) Caprolactam	11.501	113	163211	38.310	ng	98
36) 4-Chloro-3-methylphenol	11.837	107	517126	38.789	ng	98
37) 2-Methylnaphthalene	12.219	142	960146	37.845	ng	99
38) 1-Methylnaphthalene	12.443	142	1012844	37.539	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	550777	37.895	ng	100
41) Hexachlorocyclopentadiene	12.572	237	351819	40.074	ng	100
43) 2,4,6-Trichlorophenol	12.831	196	382393	38.972	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

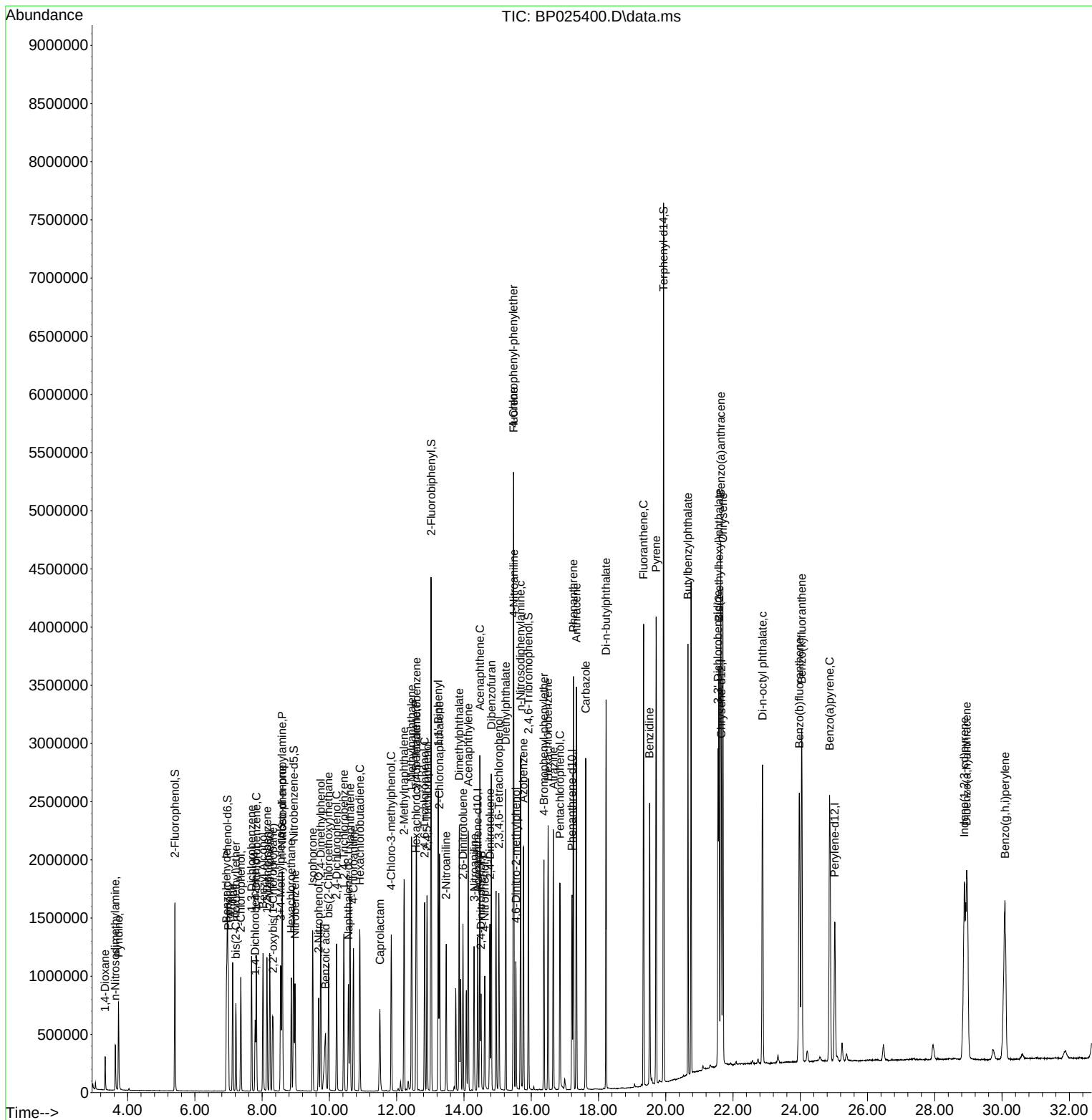
Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

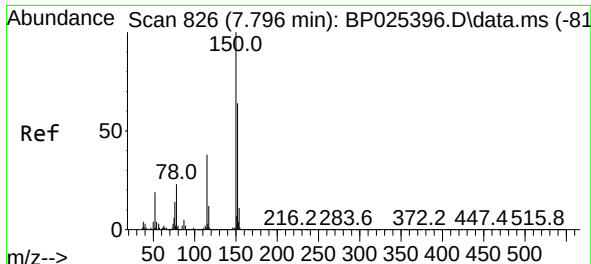
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	420565	39.108	ng	99
46) 1,1'-Biphenyl	13.237	154	1376834	37.672	ng	99
47) 2-Chloronaphthalene	13.272	162	1072147	37.682	ng	99
48) 2-Nitroaniline	13.472	65	323995	39.081	ng	99
49) Acenaphthylene	14.125	152	1775899	37.720	ng	100
50) Dimethylphthalate	13.860	163	1406620	38.170	ng	100
51) 2,6-Dinitrotoluene	13.972	165	304562	39.211	ng	98
52) Acenaphthene	14.472	154	1039167	37.603	ng	99
53) 3-Nitroaniline	14.301	138	349791	40.027	ng	98
54) 2,4-Dinitrophenol	14.507	184	172743	41.646	ng	100
55) Dibenzofuran	14.813	168	1630744	37.324	ng	100
56) 4-Nitrophenol	14.619	139	284585	39.630	ng	99
57) 2,4-Dinitrotoluene	14.772	165	448143	40.439	ng	98
58) Fluorene	15.478	166	1275341	36.992	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	371715	39.147	ng	99
60) Diethylphthalate	15.242	149	1415787	37.810	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	627477	36.596	ng	99
62) 4-Nitroaniline	15.484	138	346865	38.717	ng	99
63) Azobenzene	15.766	77	1235242	38.526	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	256111	39.721	ng	99
66) n-Nitrosodiphenylamine	15.684	169	1174244	37.227	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	422072	37.101	ng	96
68) Hexachlorobenzene	16.501	284	488749	37.062	ng	98
69) Atrazine	16.660	200	449555	38.057	ng	100
70) Pentachlorophenol	16.854	266	322435	38.733	ng	98
71) Phenanthrene	17.254	178	2070873	36.445	ng	99
72) Anthracene	17.342	178	2179669	37.563	ng	100
73) Carbazole	17.619	167	2028595	37.116	ng	100
74) Di-n-butylphthalate	18.225	149	2528547	37.602	ng	100
75) Fluoranthene	19.342	202	2540417	37.481	ng	99
77) Benzidine	19.519	184	1529656	42.271	ng	99
78) Pyrene	19.713	202	2577810	37.404	ng	99
80) Butylbenzylphthalate	20.660	149	1199445	38.401	ng	98
81) Benzo(a)anthracene	21.636	228	2583866	36.950	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1002597	38.038	ng	99
83) Chrysene	21.701	228	2446197	37.353	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1780746	38.729	ng	100
85) Di-n-octyl phthalate	22.877	149	2998528	37.915	ng	100
87) Indeno(1,2,3-cd)pyrene	28.877	276	3267965	37.119	ng	94
88) Benzo(b)fluoranthene	23.971	252	2616701	36.964	ng	100
89) Benzo(k)fluoranthene	24.042	252	2653905	37.464	ng	99
90) Benzo(a)pyrene	24.871	252	2560692	37.160	ng	100
91) Dibenzo(a,h)anthracene	28.948	278	2697336	37.490	ng	99
92) Benzo(g,h,i)perylene	30.089	276	2632085	37.216	ng	98

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

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

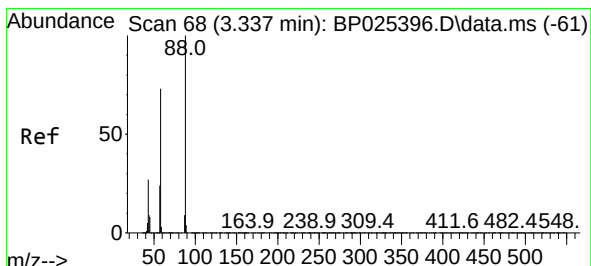
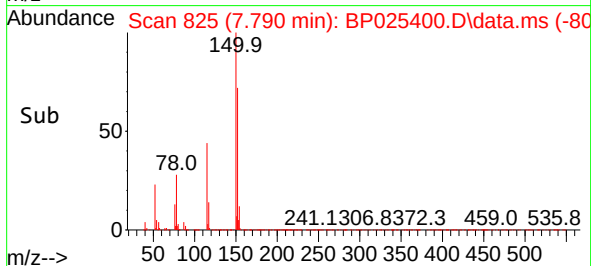
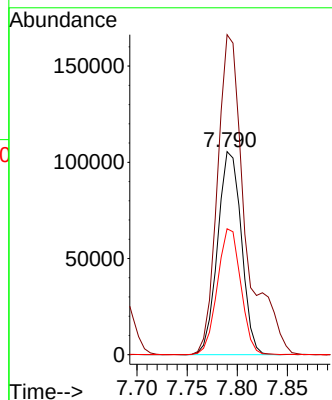
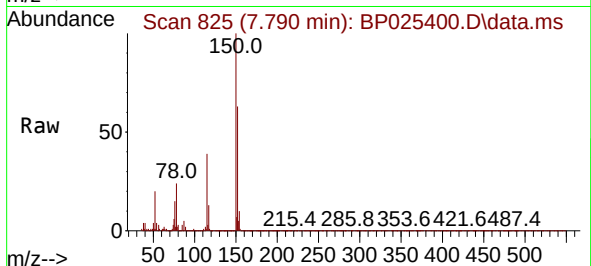




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

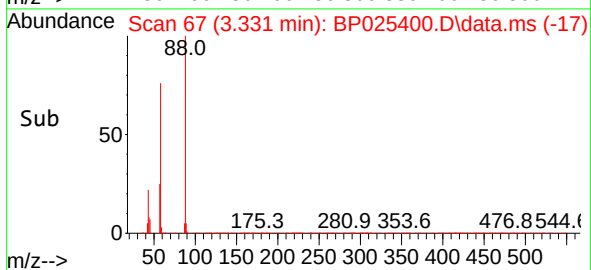
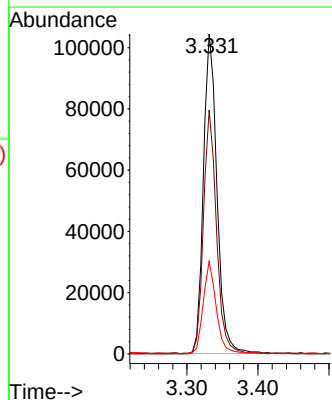
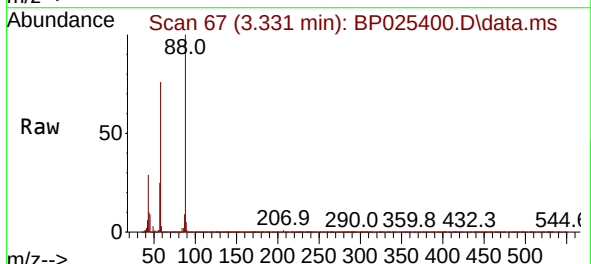
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

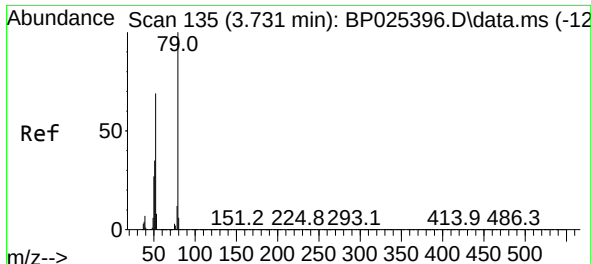
Tgt Ion:152 Resp: 174007
Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 62.0 48.5 72.7



#2
1,4-Dioxane
Concen: 33.792 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 88 Resp: 138687
Ion Ratio Lower Upper
88 100
58 73.7 59.2 88.8
43 27.9 21.7 32.5

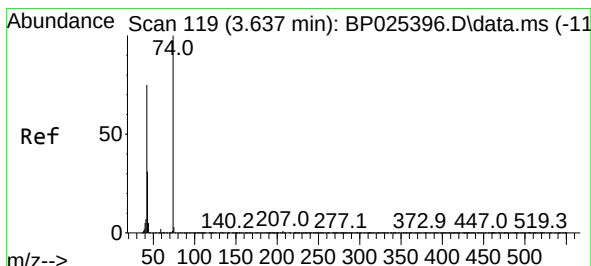
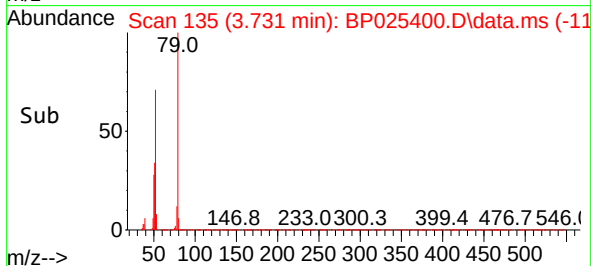
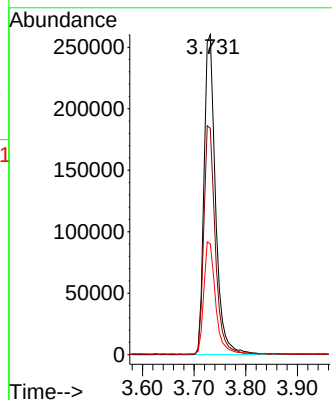
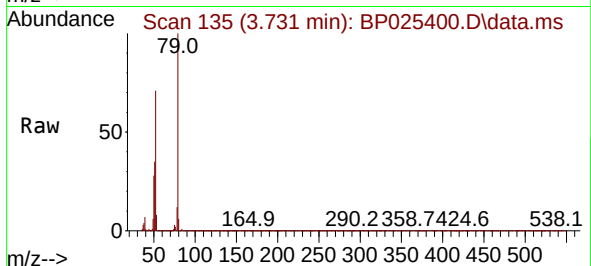




#3
Pyridine
Concen: 35.901 ng
RT: 3.731 min Scan# 118
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

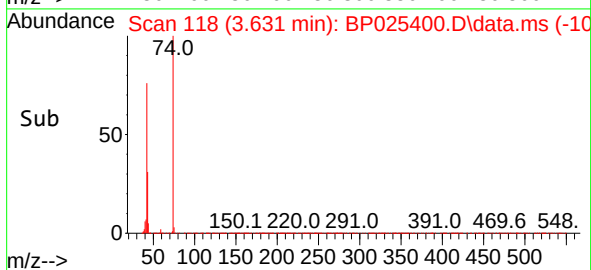
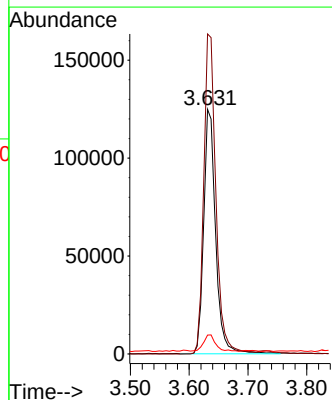
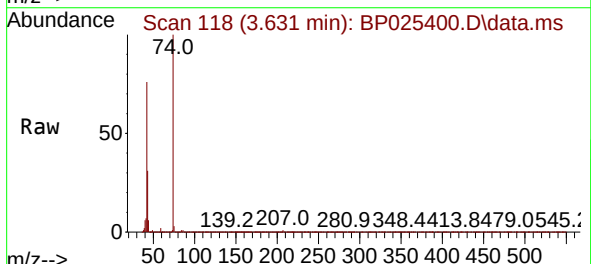
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

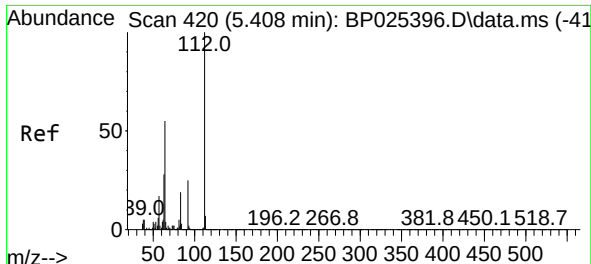
Tgt Ion: 79 Resp: 403298
Ion Ratio Lower Upper
79 100
52 70.8 55.5 83.3
51 34.7 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 38.115 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 42 Resp: 176521
Ion Ratio Lower Upper
42 100
74 130.8 107.0 160.4
44 7.7 6.2 9.4

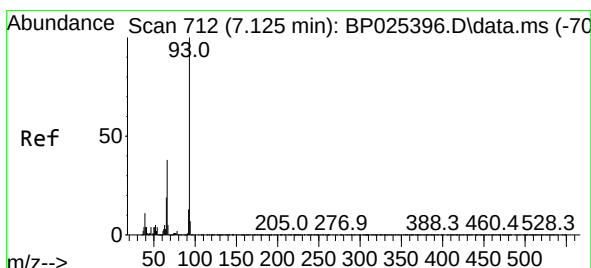
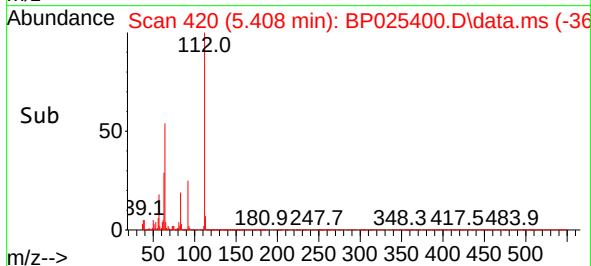
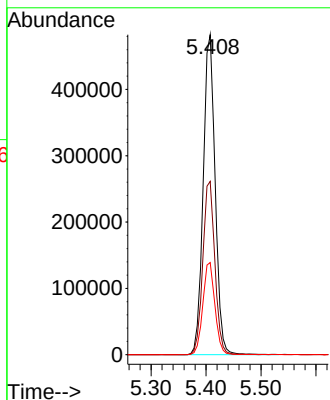
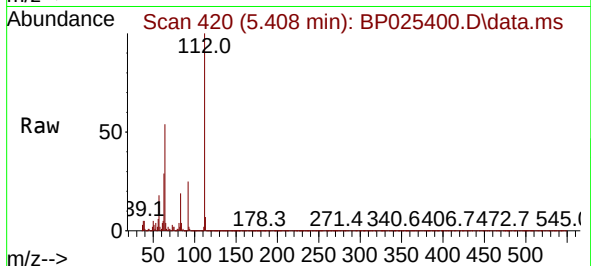




#5
2-Fluorophenol
Concen: 69.430 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

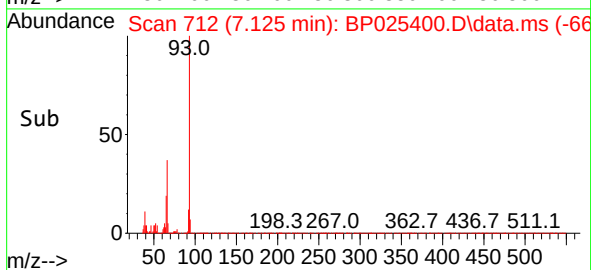
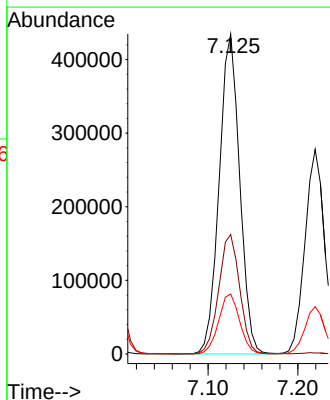
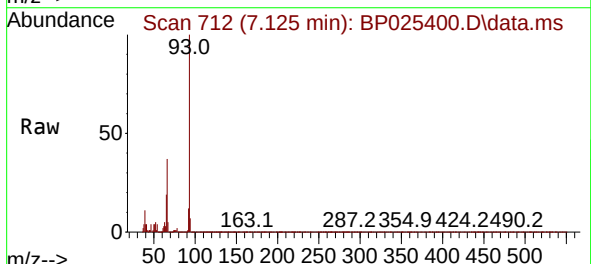
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

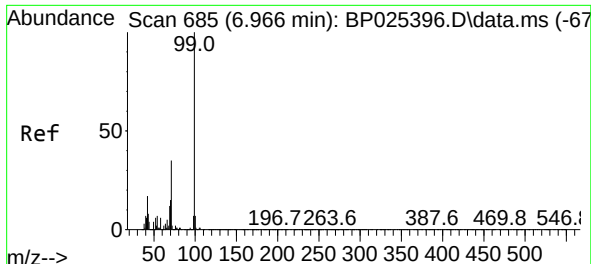
Tgt Ion:112 Resp: 727486
Ion Ratio Lower Upper
112 100
64 54.2 43.8 65.8
63 28.8 22.7 34.1



#6
Aniline
Concen: 38.147 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 690437
Ion Ratio Lower Upper
93 100
66 37.3 30.4 45.6
65 18.7 15.3 22.9

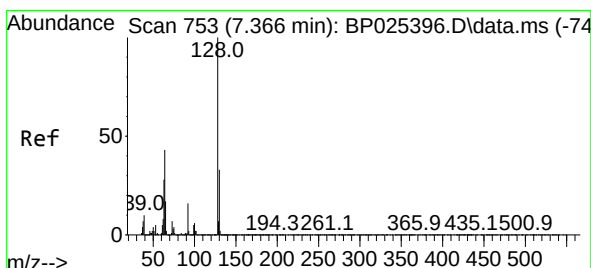
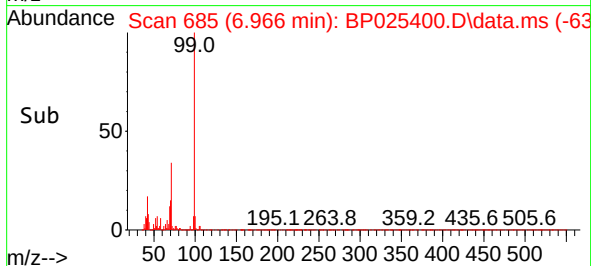
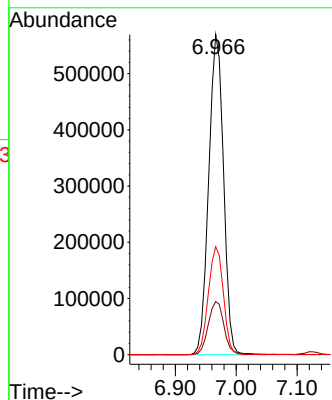
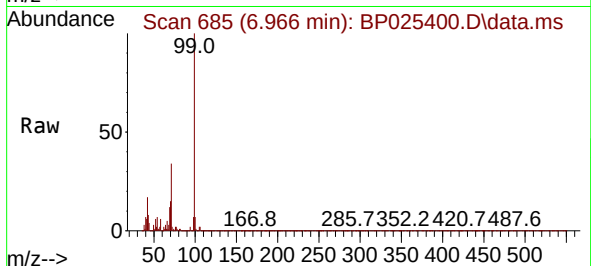




#7
Phenol-d6
Concen: 71.663 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

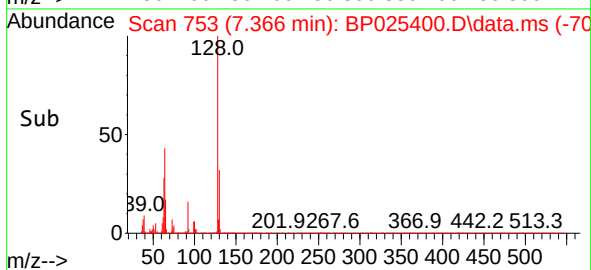
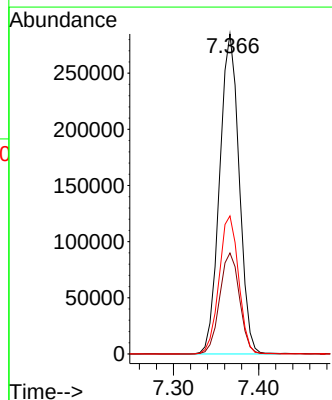
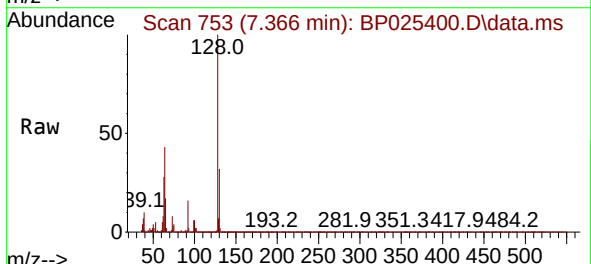
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

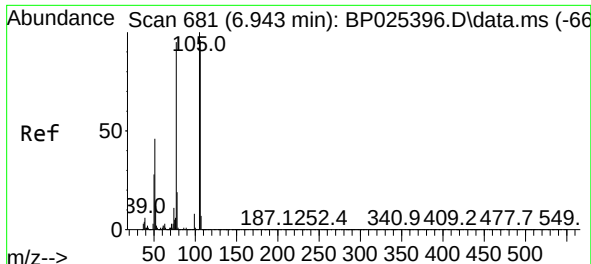
Tgt Ion:	99	Resp:	962695
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.7	20.5
71	33.7	28.2	42.4



#8
2-Chlorophenol
Concen: 38.501 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:	128	Resp:	455230
Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.6	52.6
64	43.2	23.4	63.4

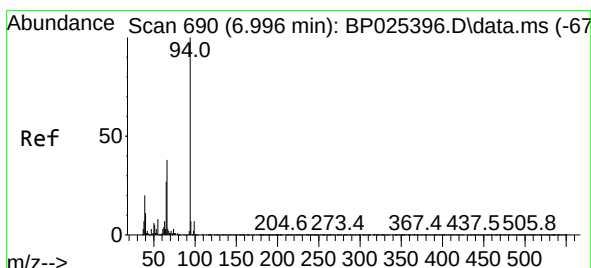
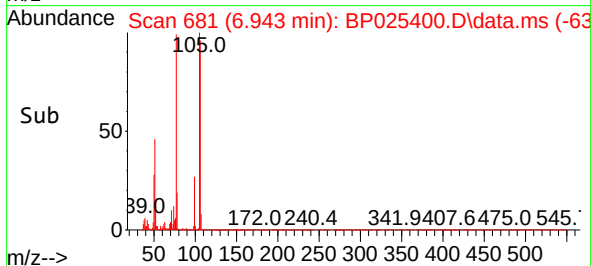
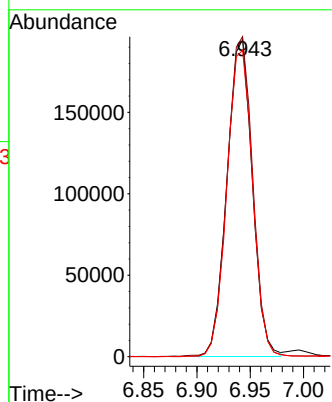
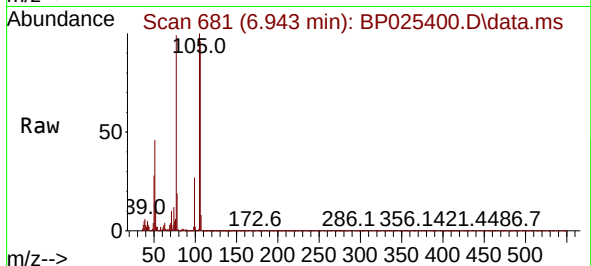




#9
Benzaldehyde
Concen: 34.142 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

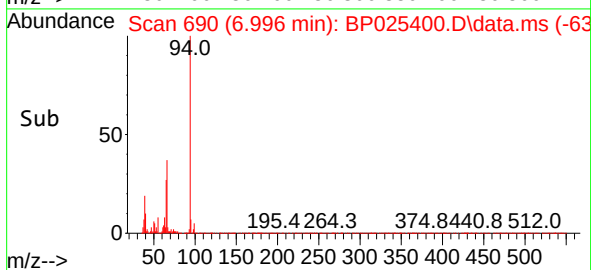
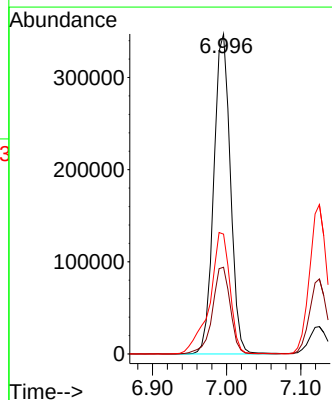
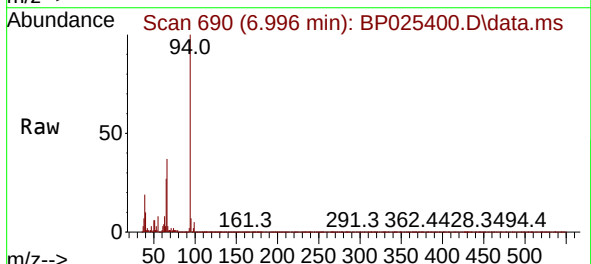
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

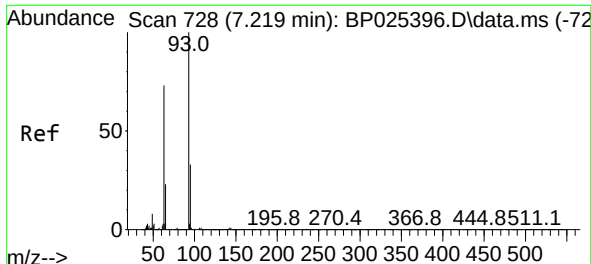
Tgt Ion: 77 Resp: 321335
Ion Ratio Lower Upper
77 100
105 100.9 84.8 124.8
106 96.6 80.5 120.5



#10
Phenol
Concen: 38.388 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 94 Resp: 541123
Ion Ratio Lower Upper
94 100
65 27.1 6.8 46.8
66 37.5 18.2 58.2



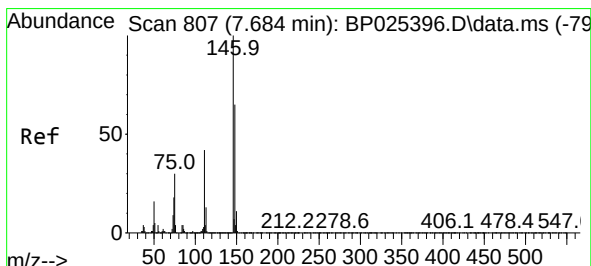
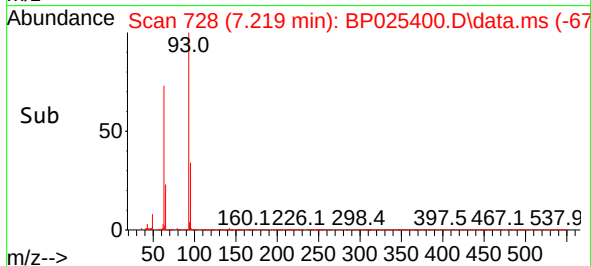
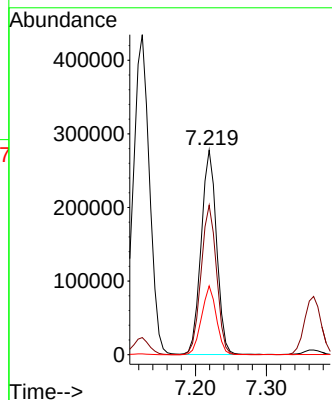
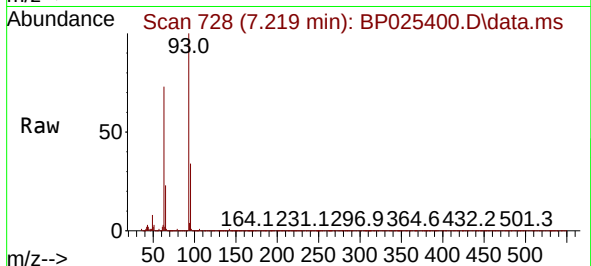


#11
bis(2-Chloroethyl)ether
Concen: 38.348 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 93 Resp: 421318

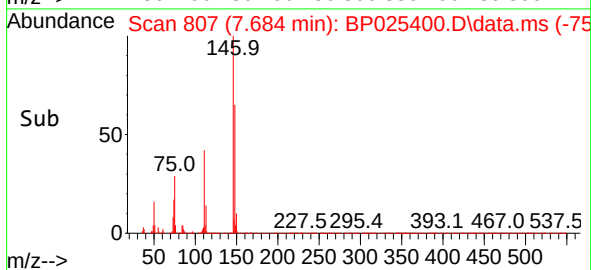
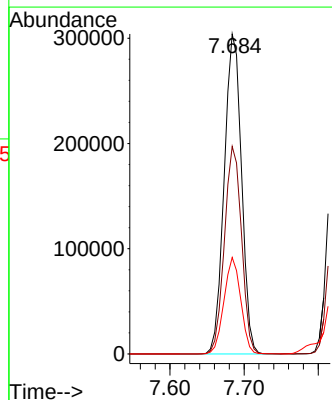
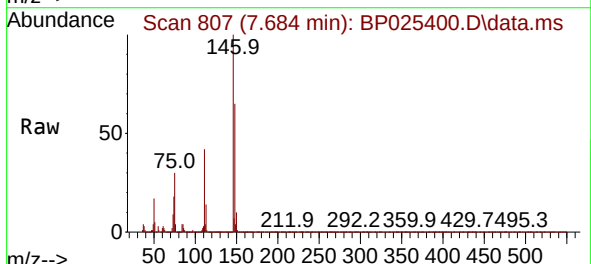
Ion	Ratio	Lower	Upper
93	100		
63	73.1	52.6	92.6
95	33.6	12.7	52.7

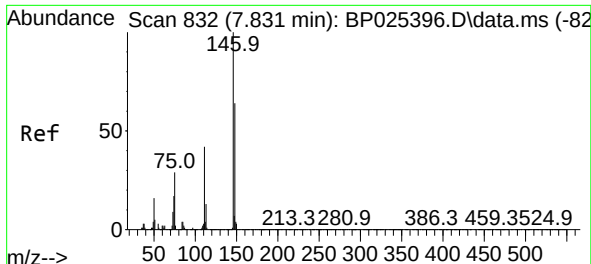


#12
1,3-Dichlorobenzene
Concen: 37.738 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 146 Resp: 492014

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	30.1	23.7	35.5

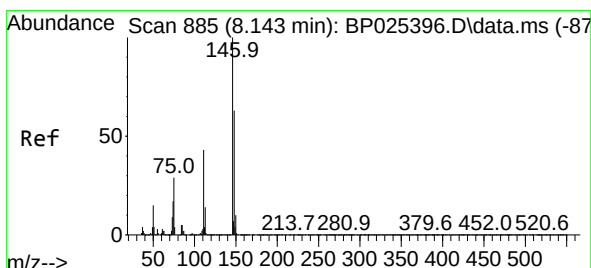
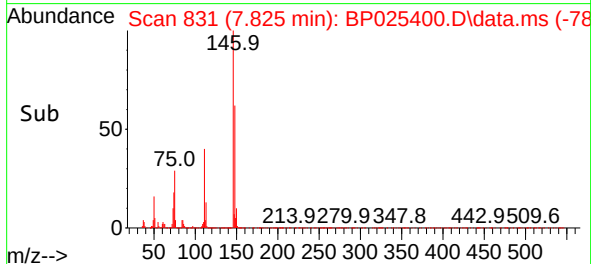
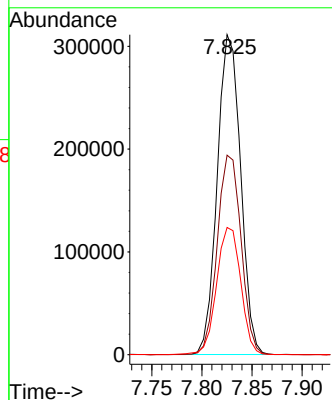
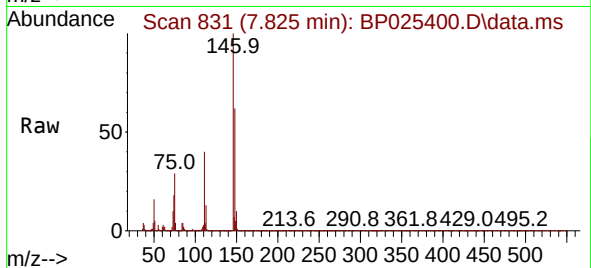




#13
1,4-Dichlorobenzene
Concen: 37.890 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

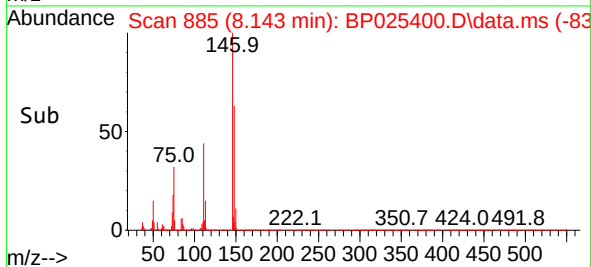
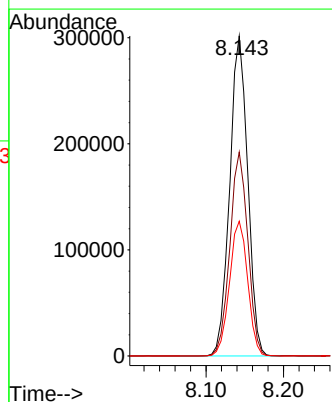
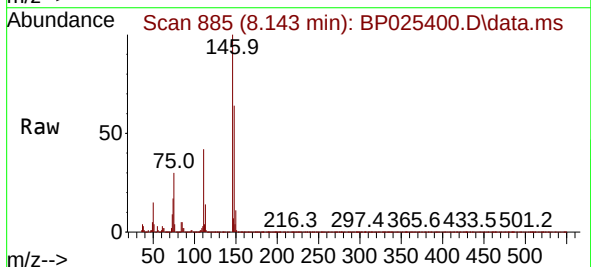
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

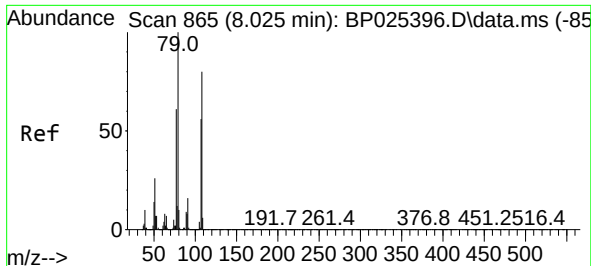
Tgt Ion:146 Resp: 504919
Ion Ratio Lower Upper
146 100
148 62.3 51.6 77.4
111 39.8 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 37.818 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 487845
Ion Ratio Lower Upper
146 100
148 63.7 50.4 75.6
111 42.1 34.5 51.7

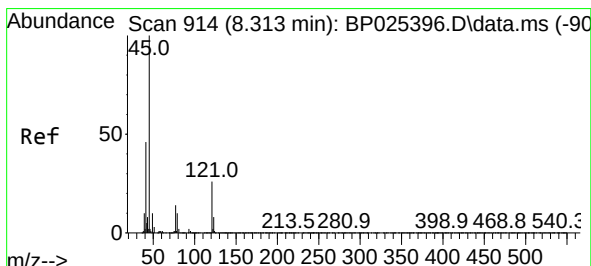
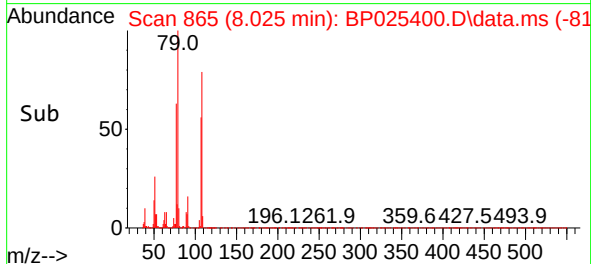
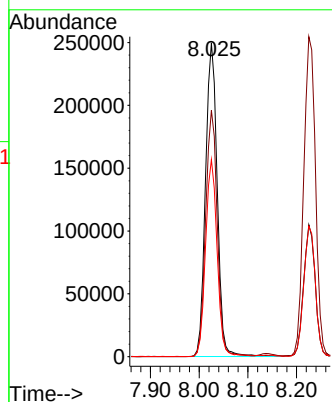
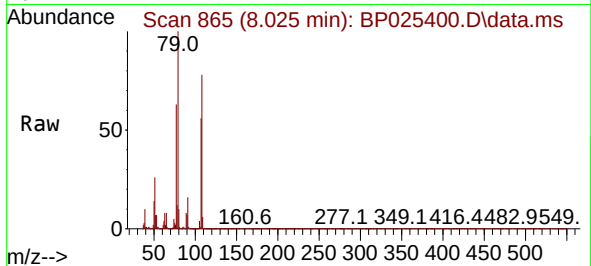




#15
Benzyl Alcohol
Concen: 39.025 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

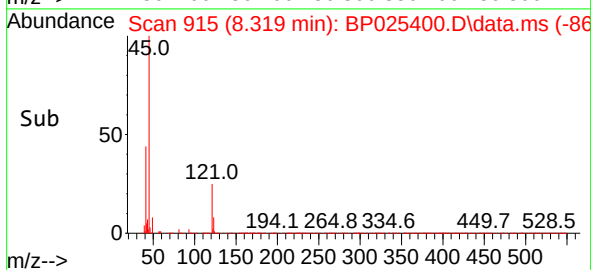
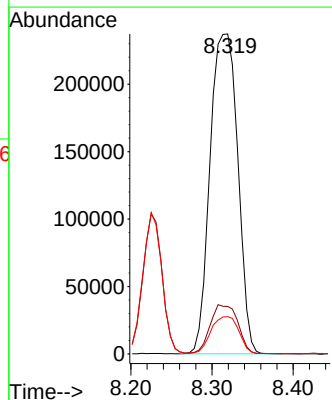
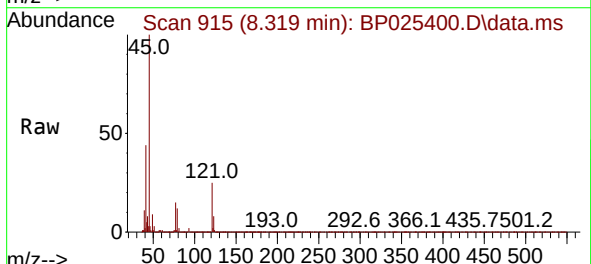
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

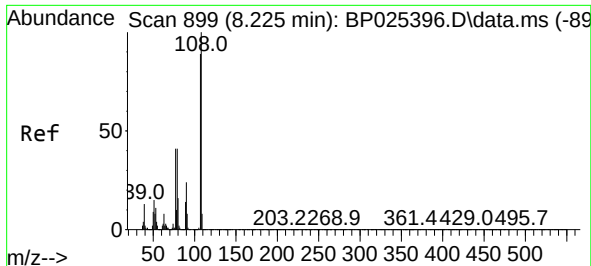
Tgt Ion: 79 Resp: 416544
Ion Ratio Lower Upper
79 100
108 78.5 63.8 95.6
77 62.8 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.271 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 45 Resp: 563276
Ion Ratio Lower Upper
45 100
77 14.8 0.0 35.3
79 11.7 0.0 31.8

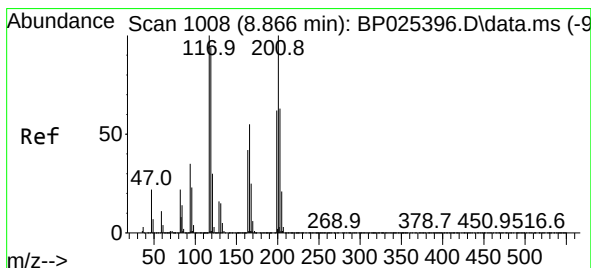
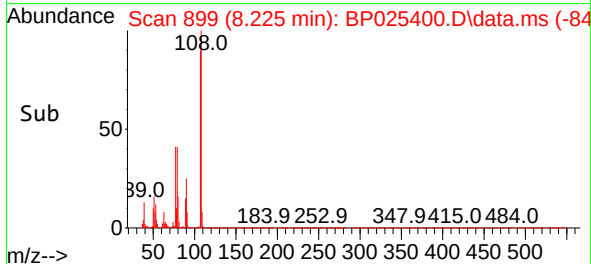
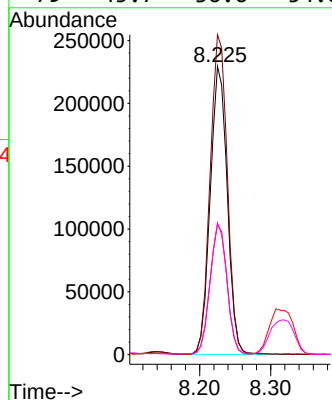
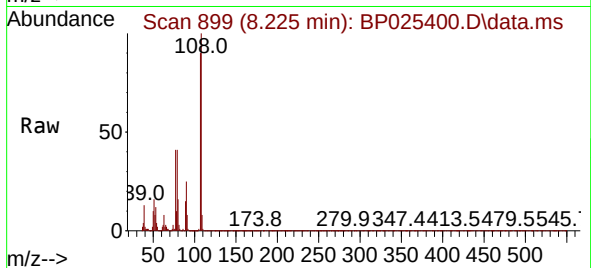




#17
2-Methylphenol
Concen: 38.877 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

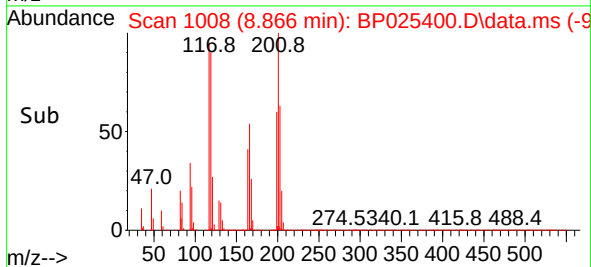
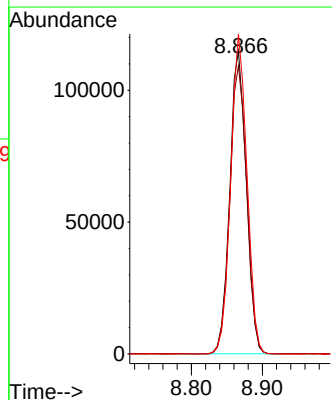
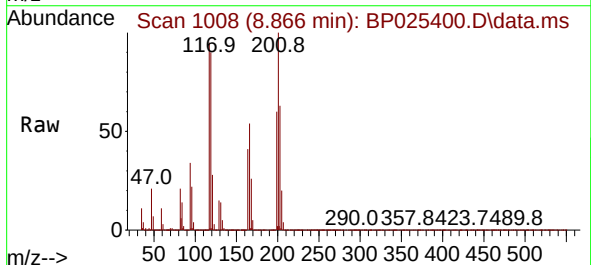
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

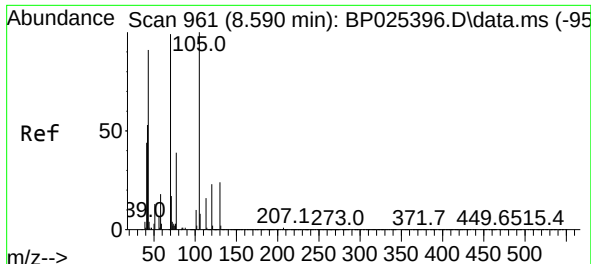
Tgt Ion:	107	Resp:	380608
Ion	Ratio	Lower	Upper
107	100		
108	111.0	89.4	134.0
77	45.3	36.3	54.5
79	45.7	36.6	54.8



#18
Hexachloroethane
Concen: 38.103 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:	117	Resp:	186691
Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.1	112.7
201	105.6	80.1	120.1

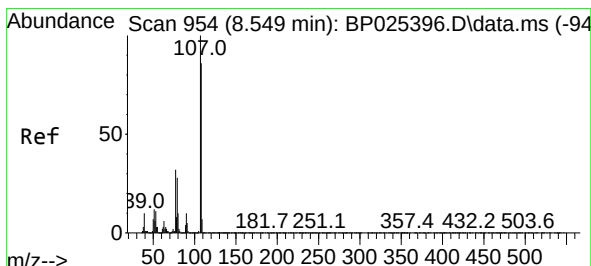
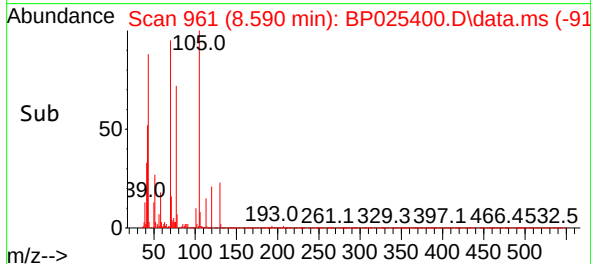
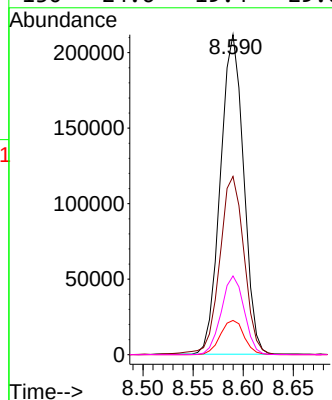
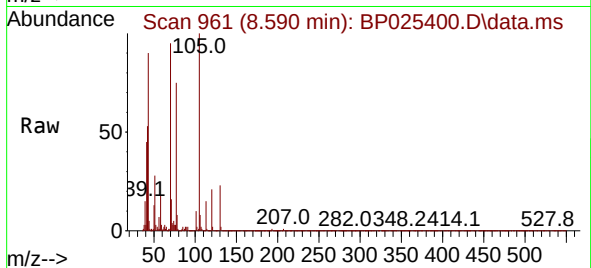




#19
n-Nitroso-di-n-propylamine
Concen: 38.270 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

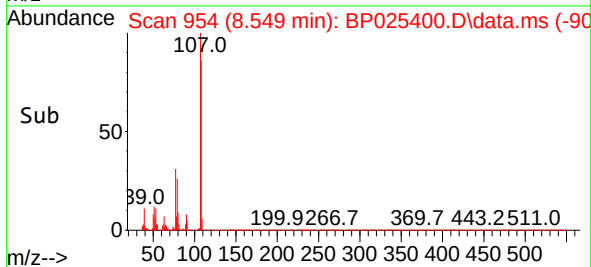
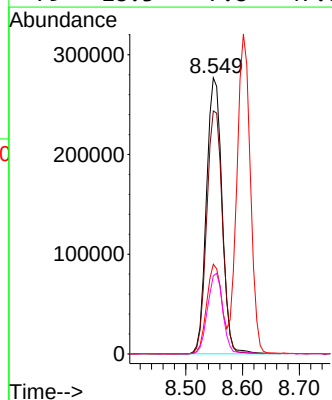
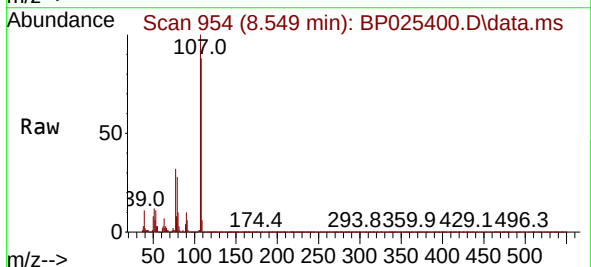
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

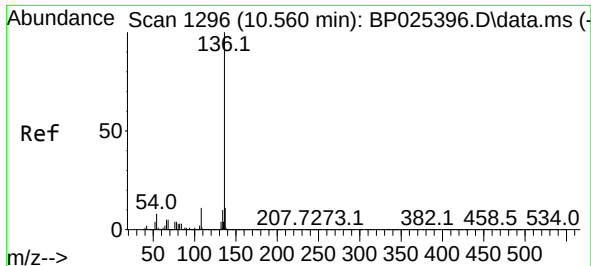
Tgt Ion: 70 Resp: 340533
Ion Ratio Lower Upper
70 100
42 55.7 43.8 65.6
101 10.7 8.5 12.7
130 24.6 19.4 29.0



#20
3+4-Methylphenols
Concen: 38.620 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 107 Resp: 524095
Ion Ratio Lower Upper
107 100
108 88.0 66.3 106.3
77 32.5 12.3 52.3
79 28.3 7.8 47.8

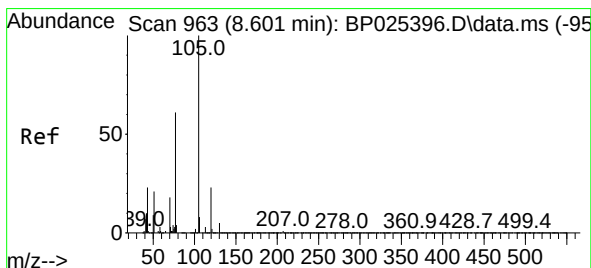
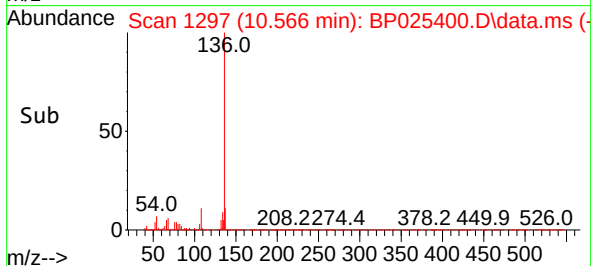
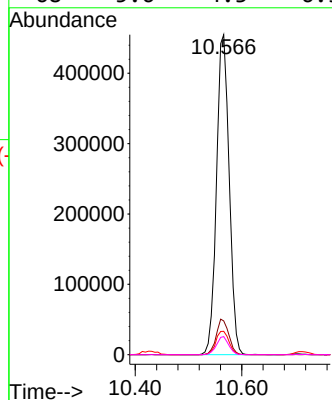
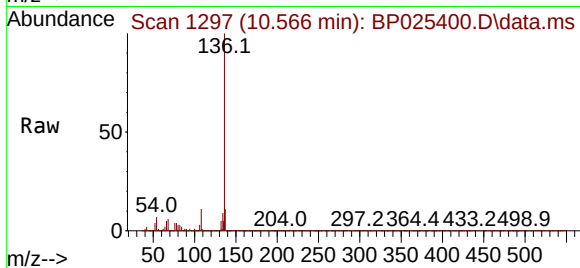




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

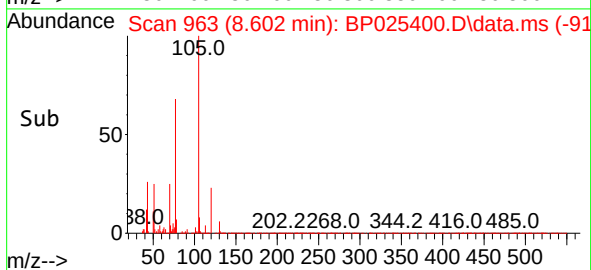
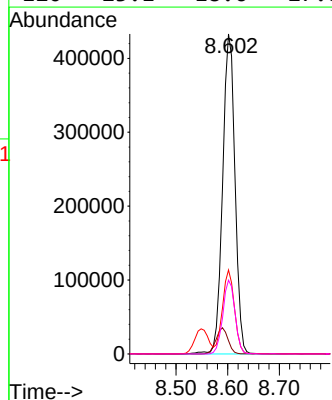
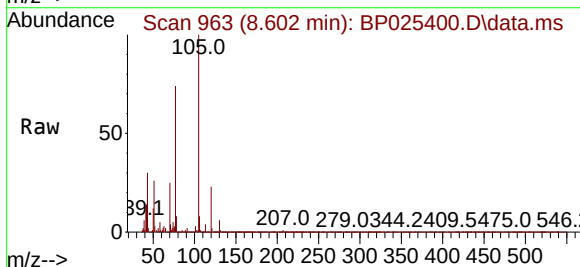
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

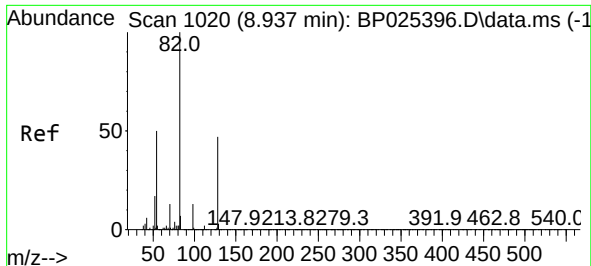
Tgt Ion:	136	Resp:	750079
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.3	6.0	9.0
68	5.6	4.3	6.5



#22
Acetophenone
Concen: 38.216 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:	105	Resp:	718869
Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	26.2	20.6	30.8
120	23.1	18.6	27.8

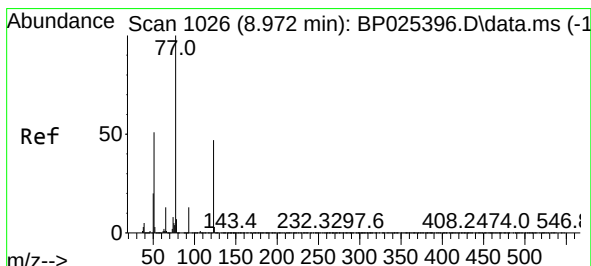
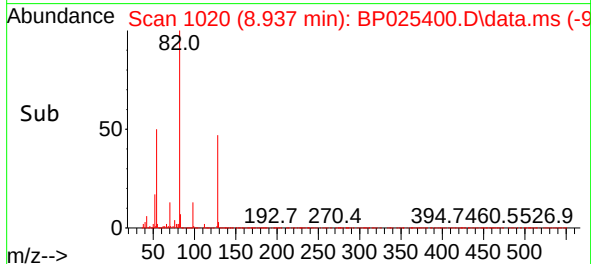
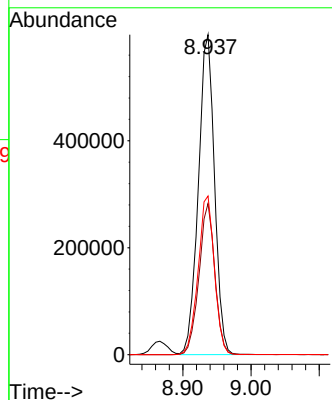
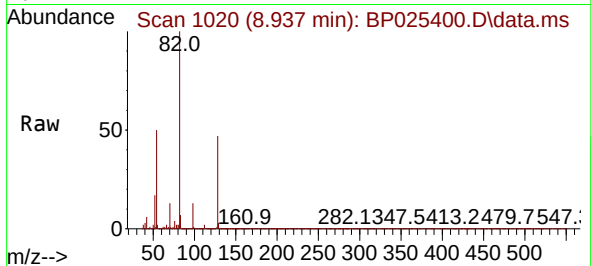




#23
Nitrobenzene-d5
Concen: 66.391 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

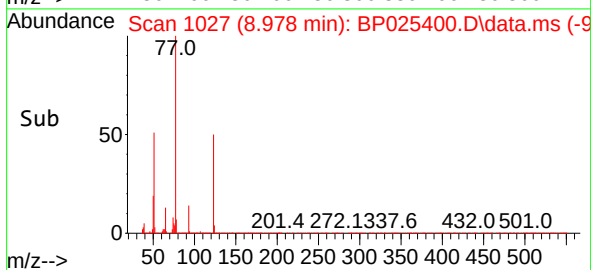
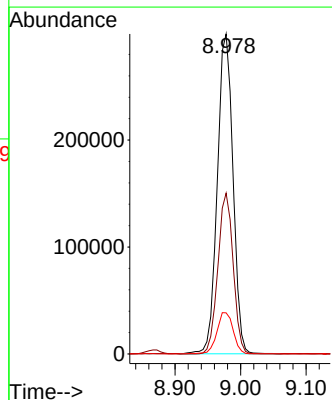
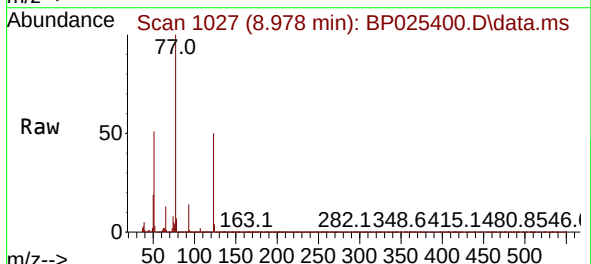
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

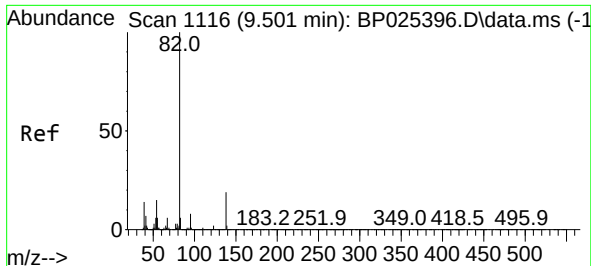
Tgt Ion: 82 Resp: 984441
Ion Ratio Lower Upper
82 100
128 47.3 37.7 56.5
54 49.6 39.8 59.6



#24
Nitrobenzene
Concen: 37.313 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 77 Resp: 494466
Ion Ratio Lower Upper
77 100
123 50.3 38.6 58.0
65 12.9 10.6 15.8

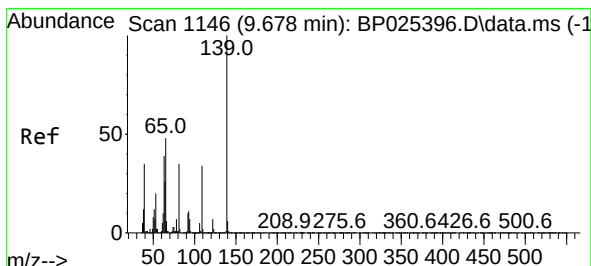
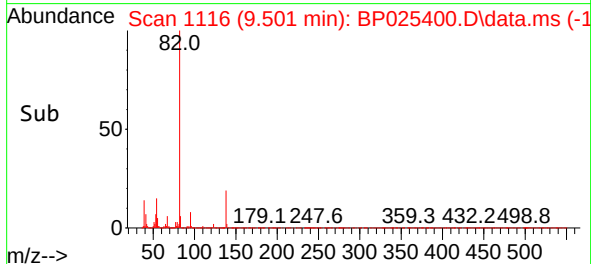
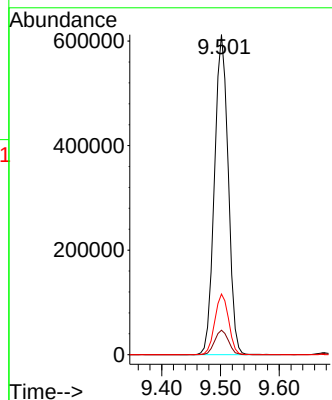
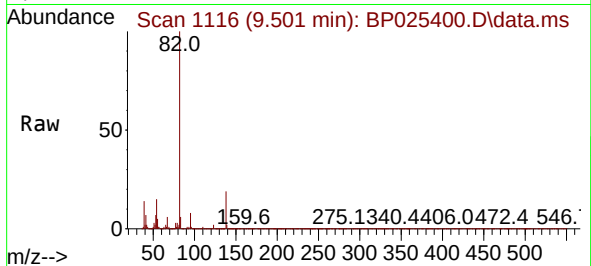




#25
Isophorone
Concen: 37.855 ng
RT: 9.501 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

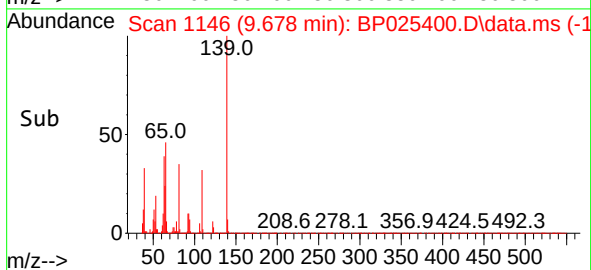
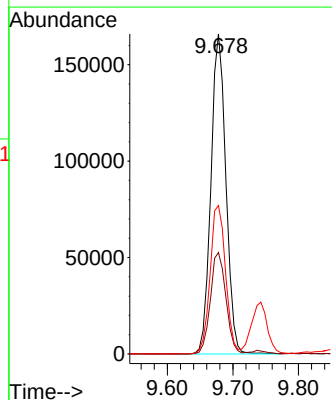
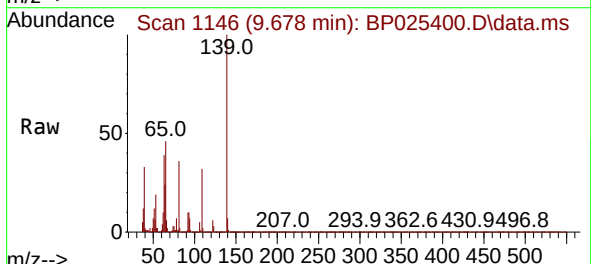
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

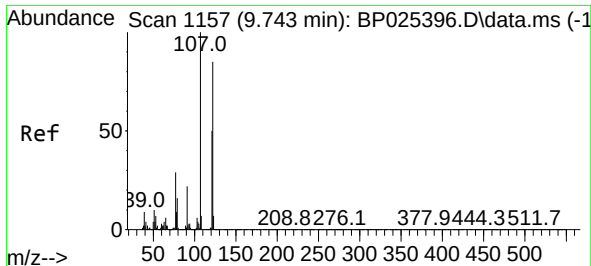
Tgt Ion: 82 Resp: 993378
Ion Ratio Lower Upper
82 100
95 7.7 6.4 9.6
138 18.9 15.4 23.0



#26
2-Nitrophenol
Concen: 38.722 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 139 Resp: 263348
Ion Ratio Lower Upper
139 100
109 31.7 26.9 40.3
65 46.4 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 38.910 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

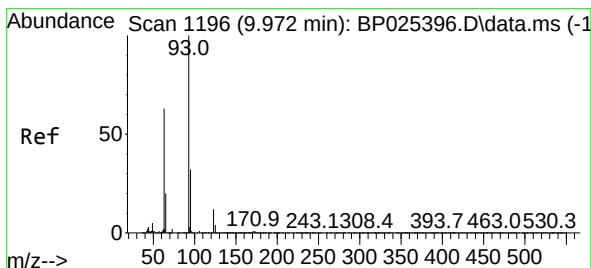
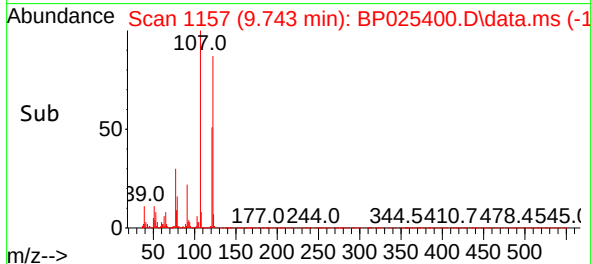
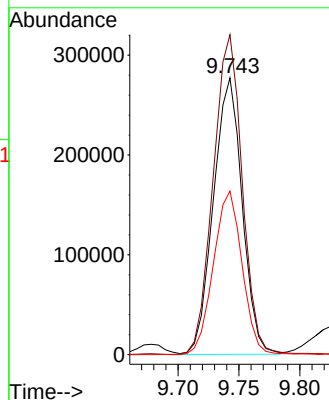
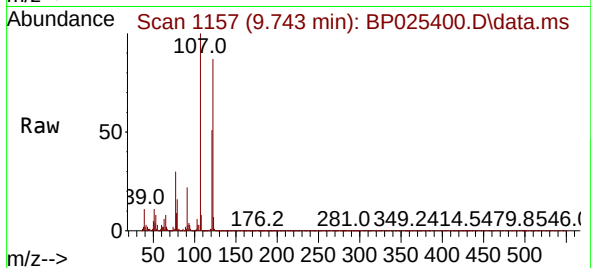
Tgt Ion:122 Resp: 455078

Ion Ratio Lower Upper

122 100

107 115.6 93.7 140.5

121 59.1 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 37.816 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

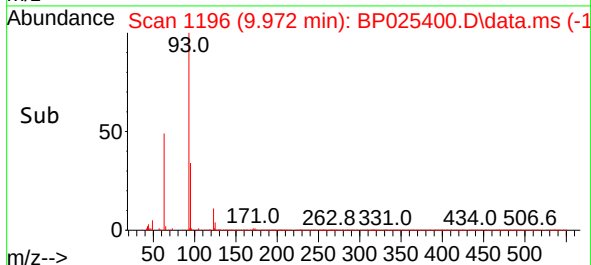
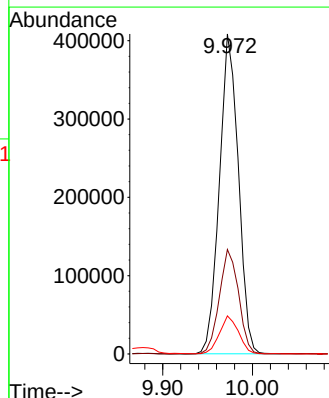
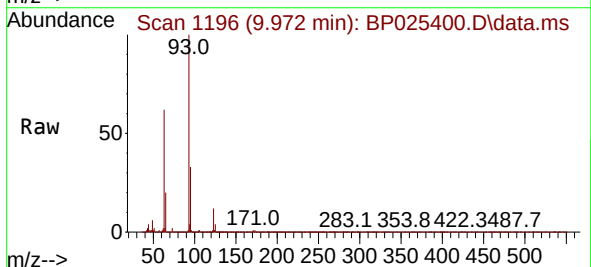
Tgt Ion: 93 Resp: 599862

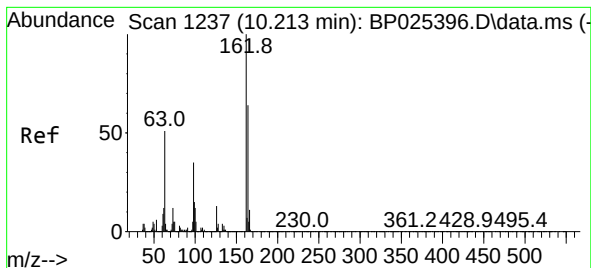
Ion Ratio Lower Upper

93 100

95 32.7 25.4 38.0

123 11.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 38.649 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

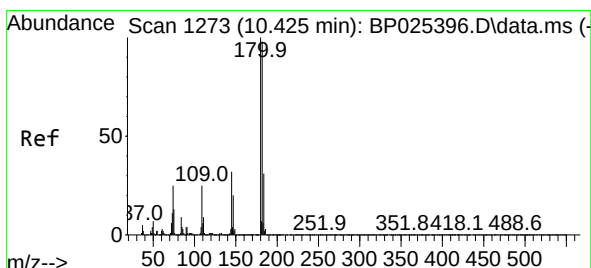
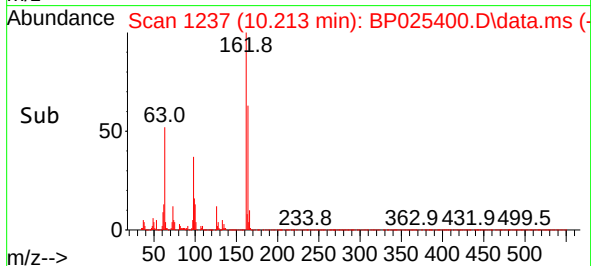
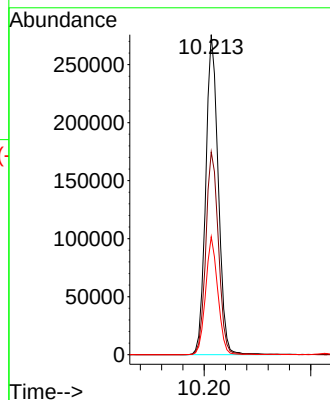
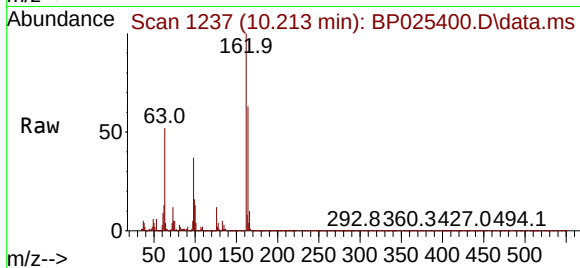
Tgt Ion:162 Resp: 449034

Ion Ratio Lower Upper

162 100

164 63.3 44.4 84.4

98 36.9 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 37.231 ng

RT: 10.431 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

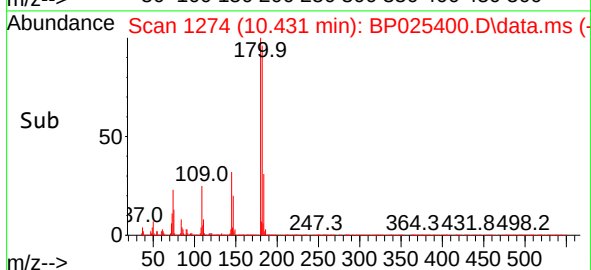
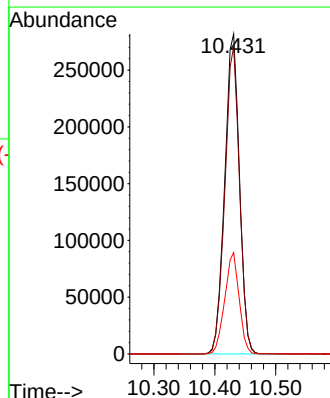
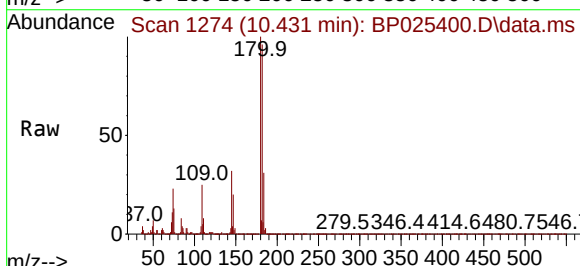
Tgt Ion:180 Resp: 474183

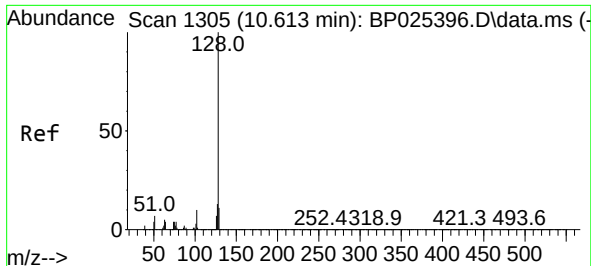
Ion Ratio Lower Upper

180 100

182 95.9 78.0 117.0

145 31.7 25.9 38.9

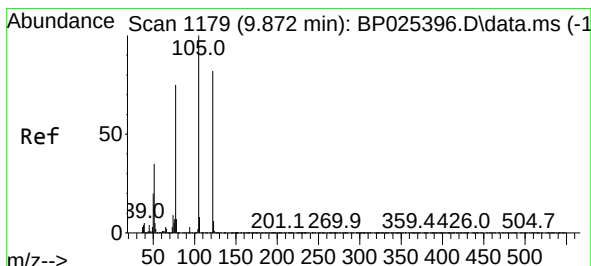
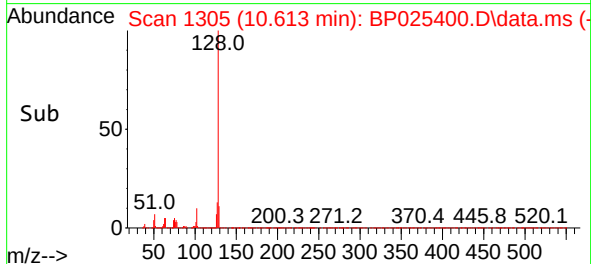
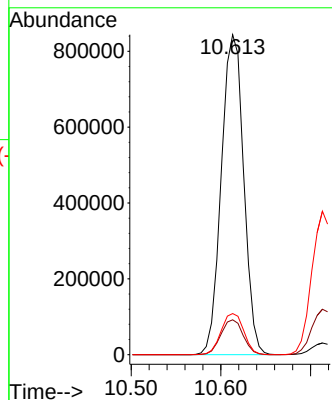
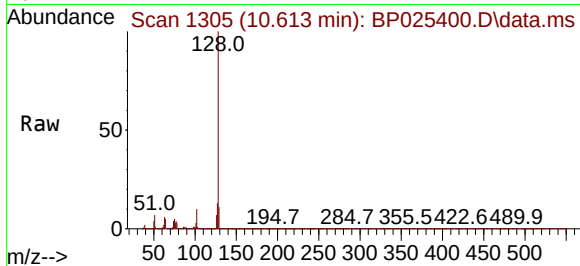




#31
Naphthalene
Concen: 37.431 ng
RT: 10.613 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

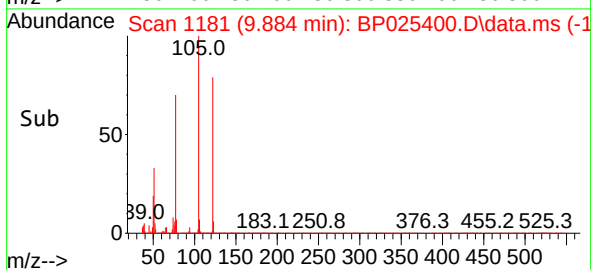
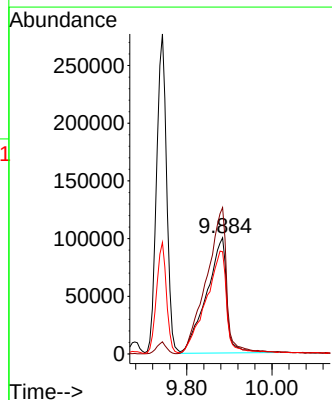
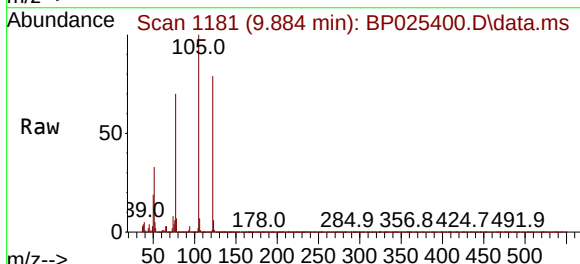
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

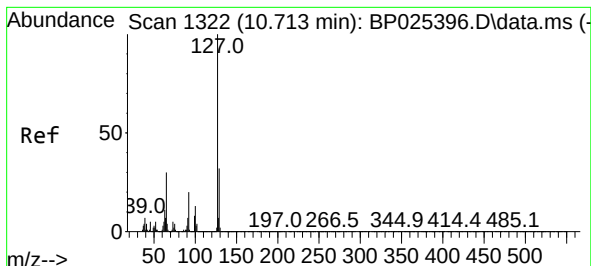
Tgt Ion:128 Resp: 1459279
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.8 10.7 16.1



#32
Benzoic acid
Concen: 38.242 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:122 Resp: 330207
Ion Ratio Lower Upper
122 100
105 126.0 100.6 140.6
77 88.0 71.5 111.5





#33

4-Chloroaniline

Concen: 38.043 ng

RT: 10.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:127 Resp: 655135

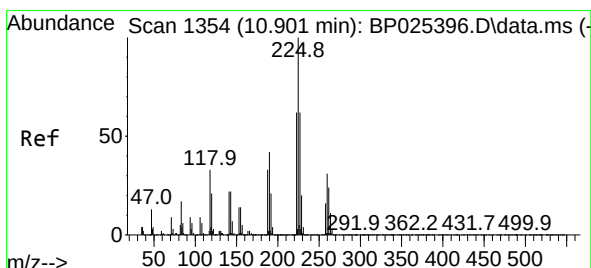
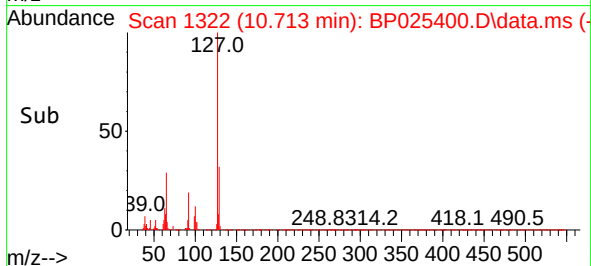
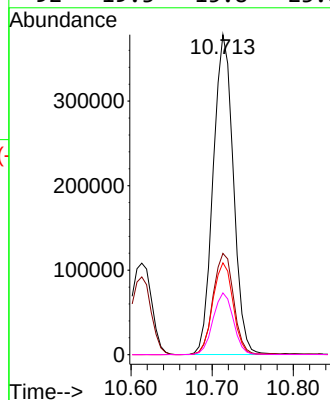
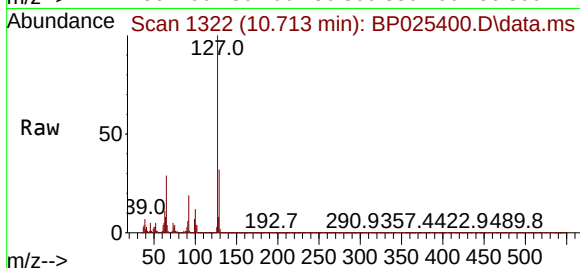
Ion Ratio Lower Upper

127 100

129 31.7 25.4 38.2

65 28.7 23.8 35.6

92 19.3 15.8 23.8



#34

Hexachlorobutadiene

Concen: 37.031 ng

RT: 10.901 min Scan# 1354

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

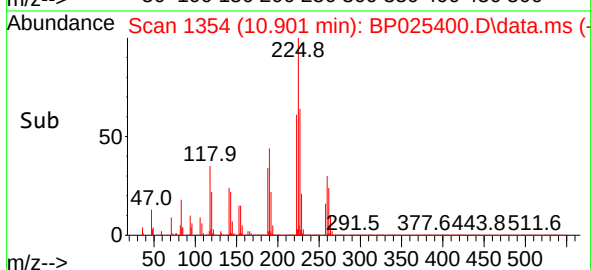
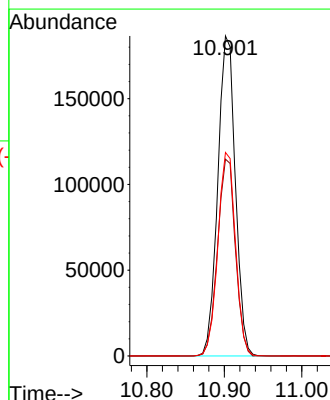
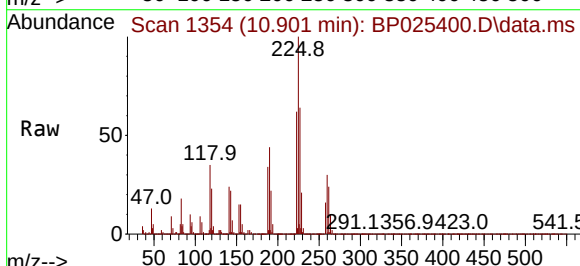
Tgt Ion:225 Resp: 293728

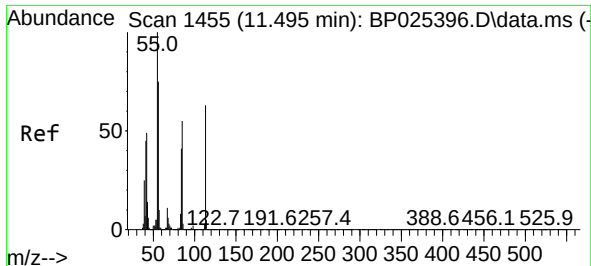
Ion Ratio Lower Upper

225 100

223 61.5 50.0 75.0

227 63.6 49.7 74.5

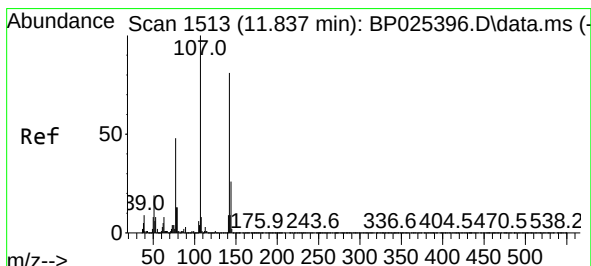
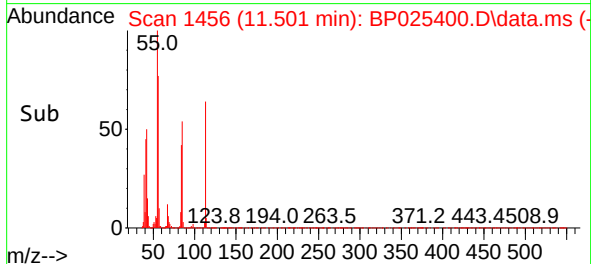
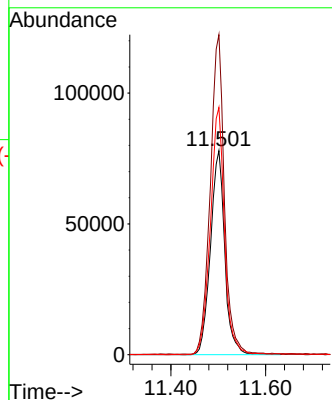
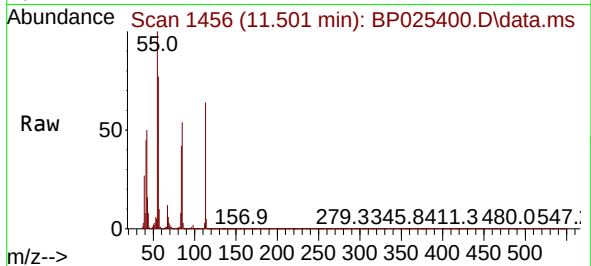




#35
Caprolactam
Concen: 38.310 ng
RT: 11.501 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

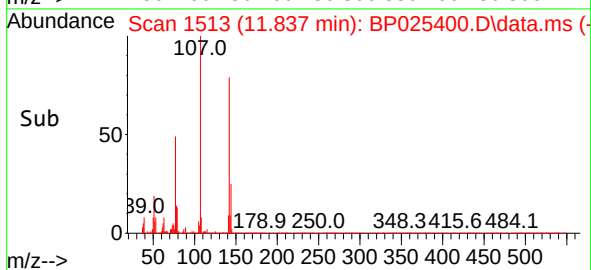
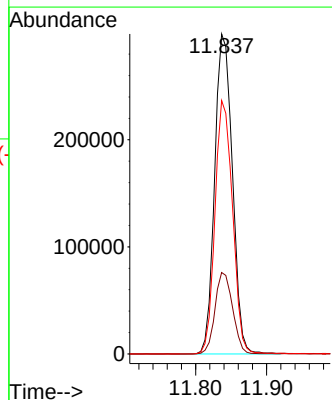
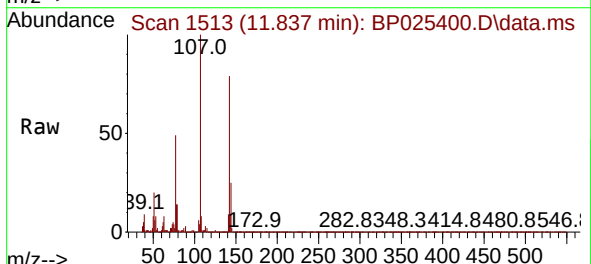
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

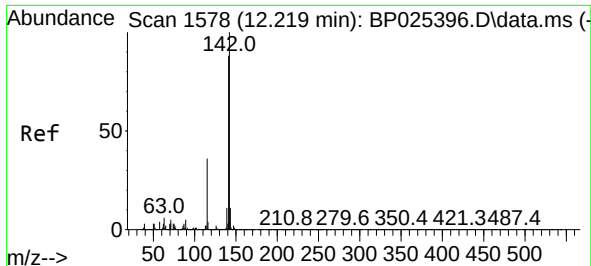
Tgt Ion:113 Resp: 163211
Ion Ratio Lower Upper
113 100
55 156.9 140.0 180.0
56 121.2 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 38.789 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 517126
Ion Ratio Lower Upper
107 100
144 25.4 21.0 31.4
142 79.2 64.6 97.0

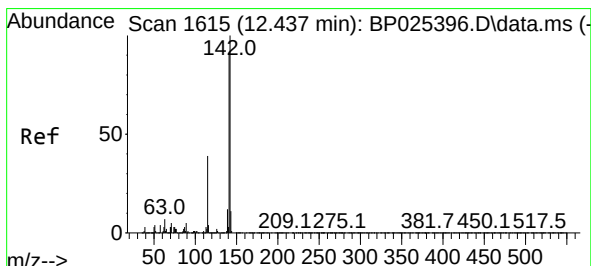
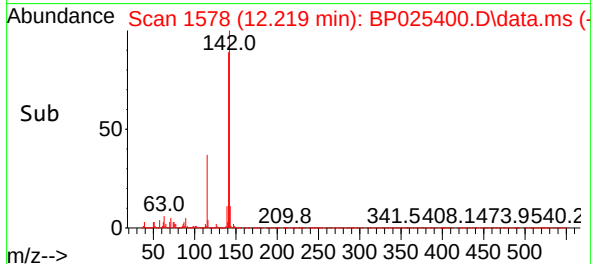
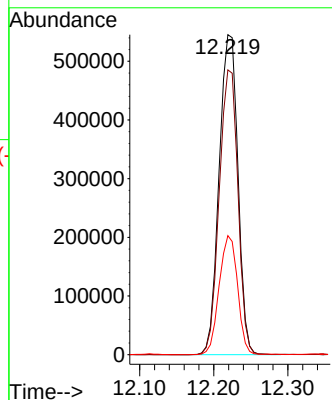
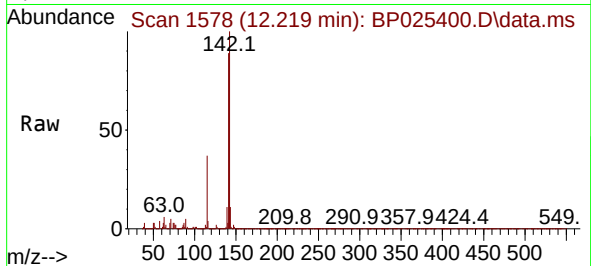




#37
2-Methylnaphthalene
Concen: 37.845 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

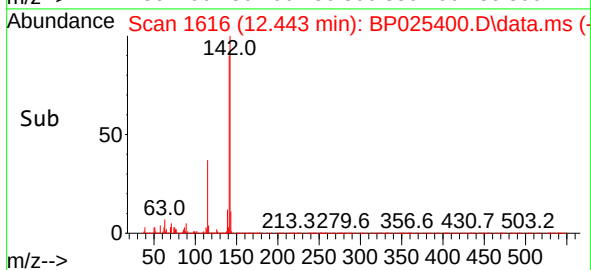
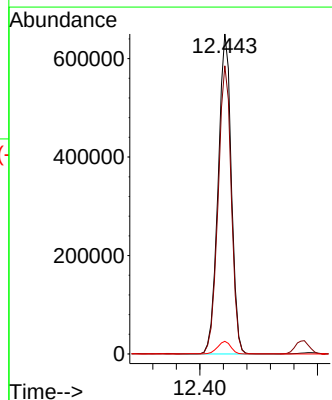
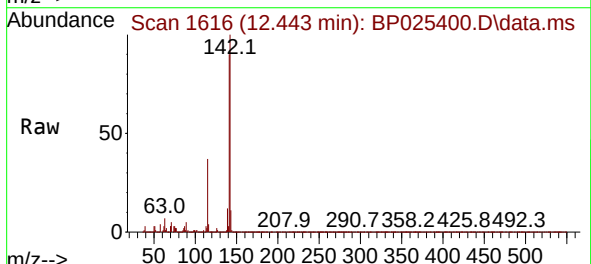
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

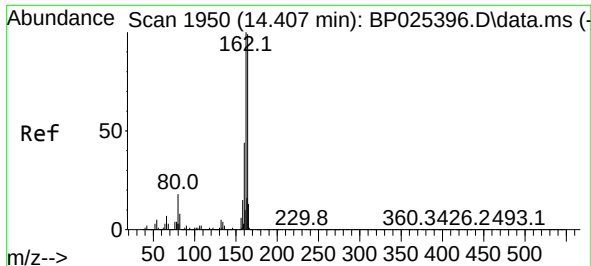
Tgt Ion:142 Resp: 960146
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 37.2 28.9 43.3



#38
1-Methylnaphthalene
Concen: 37.539 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:142 Resp: 1012844
Ion Ratio Lower Upper
142 100
141 90.0 73.1 109.7
116 3.9 3.2 4.8

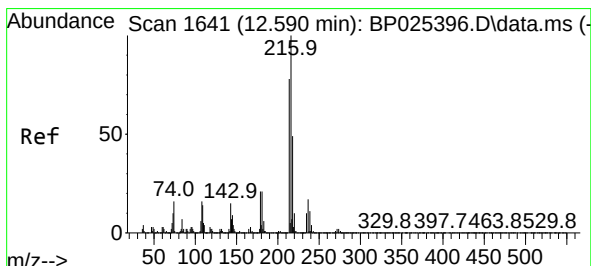
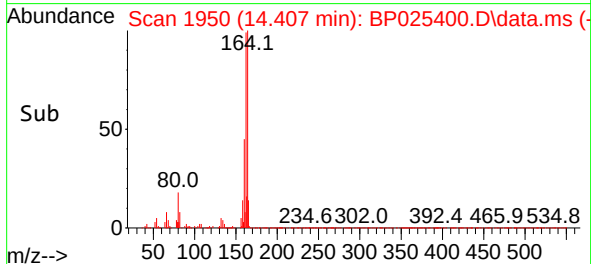
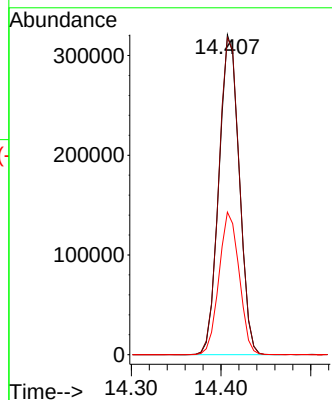
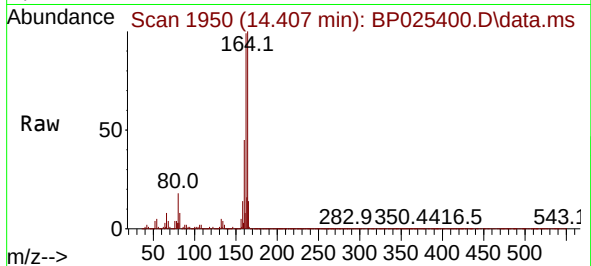




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

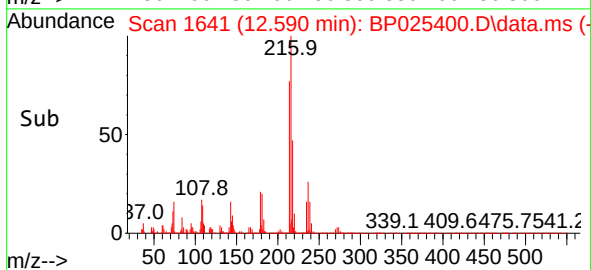
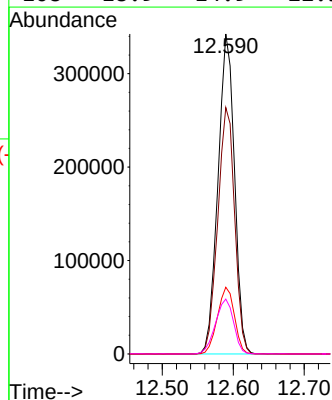
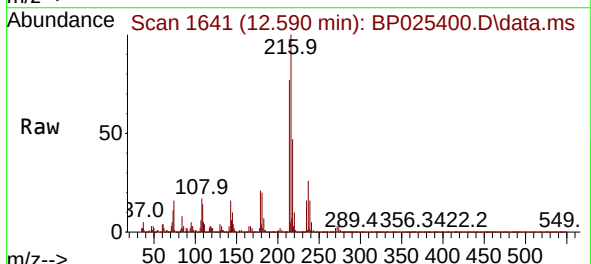
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

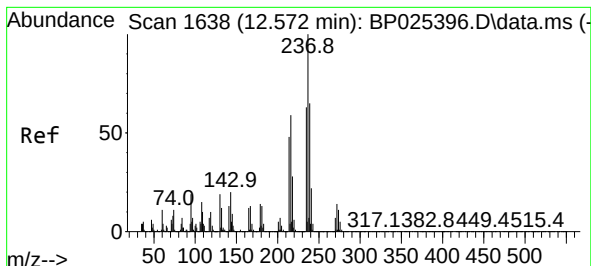
Tgt Ion:164 Resp: 503239
Ion Ratio Lower Upper
164 100
162 99.1 81.0 121.6
160 44.5 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.895 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:216 Resp: 550777
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 21.4 17.1 25.7
108 18.9 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 40.074 ng

RT: 12.572 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

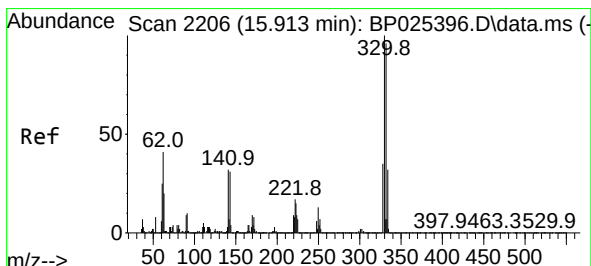
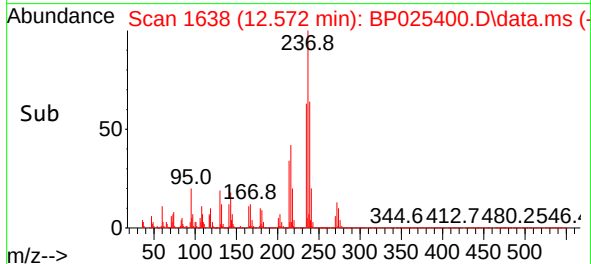
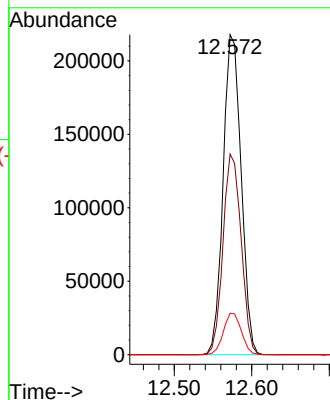
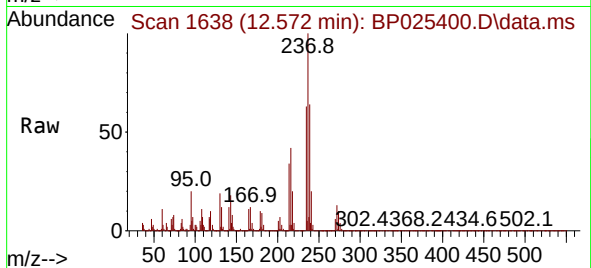
Tgt Ion:237 Resp: 351819

Ion Ratio Lower Upper

237 100

235 62.7 42.7 82.7

272 13.0 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 71.582 ng

RT: 15.919 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

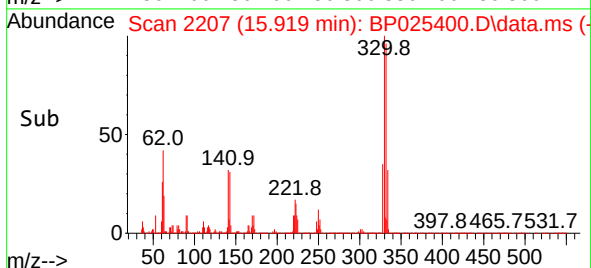
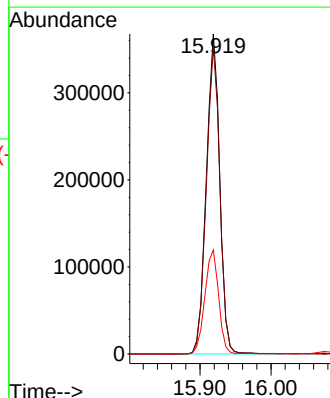
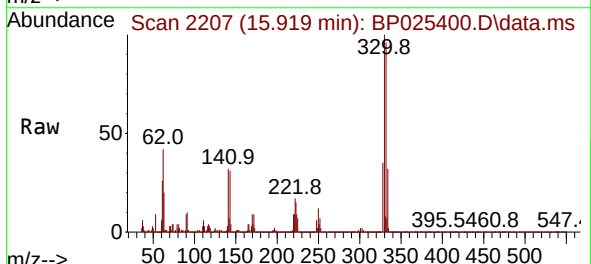
Tgt Ion:330 Resp: 484870

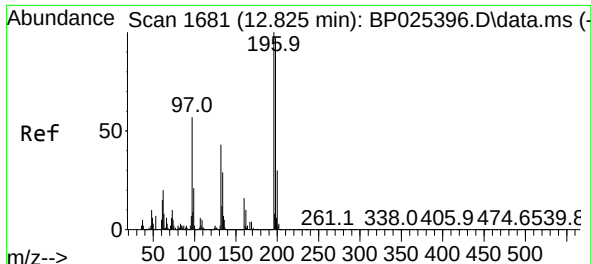
Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

141 33.4 26.6 39.8

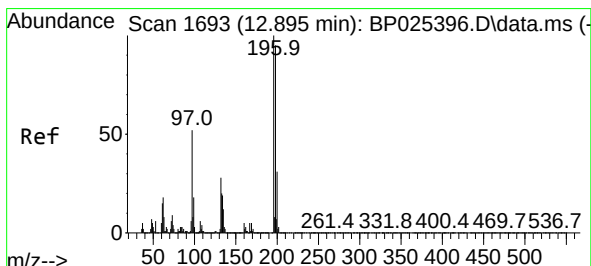
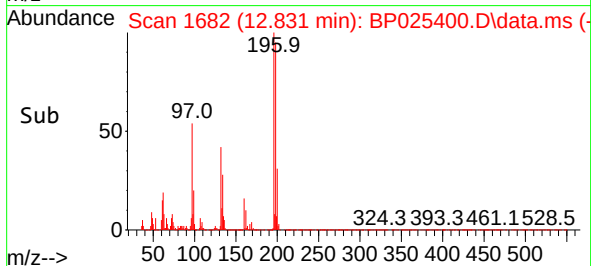
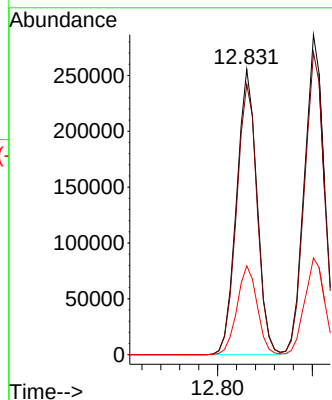
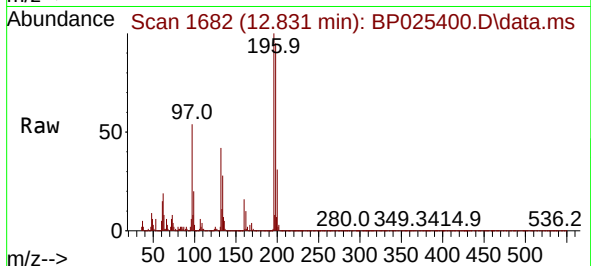




#43
2,4,6-Trichlorophenol
Concen: 38.972 ng
RT: 12.831 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

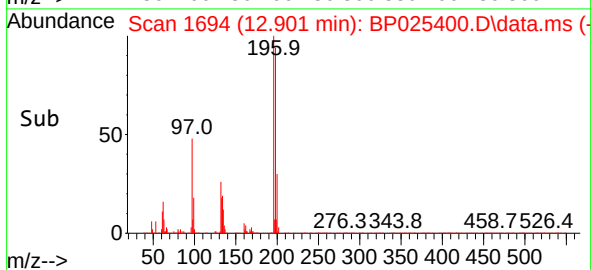
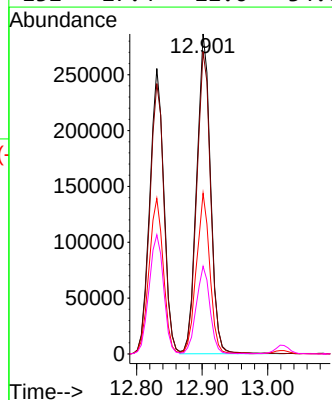
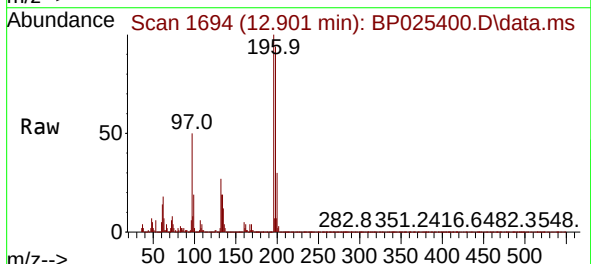
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

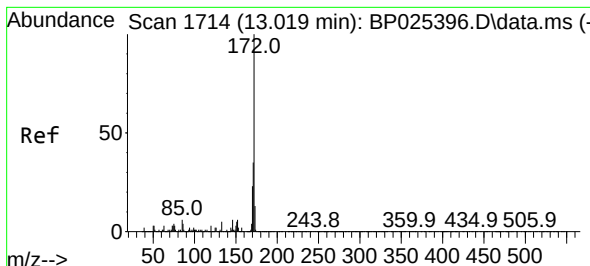
Tgt Ion:196 Resp: 382393
Ion Ratio Lower Upper
196 100
198 94.8 77.2 115.8
200 31.1 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 39.108 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:196 Resp: 420565
Ion Ratio Lower Upper
196 100
198 94.5 76.2 114.2
97 50.2 41.2 61.8
132 27.4 22.6 34.0

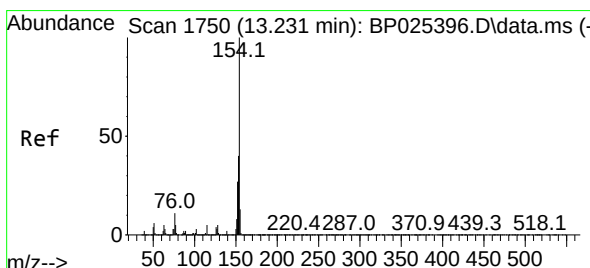
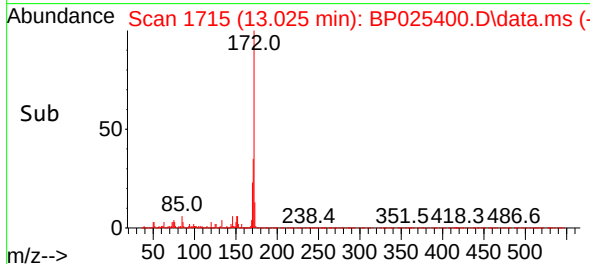
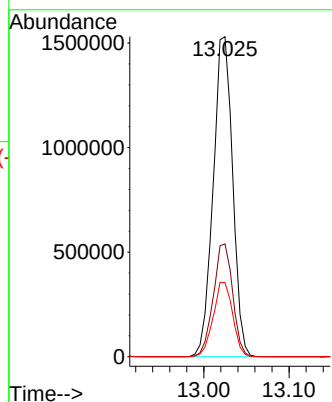
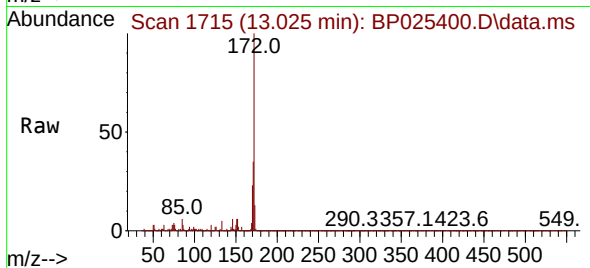




#45
2-Fluorobiphenyl
Concen: 66.016 ng
RT: 13.025 min Scan# 1715
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

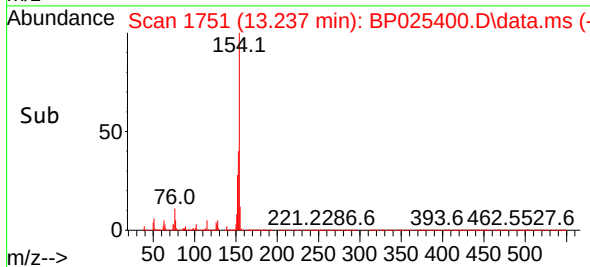
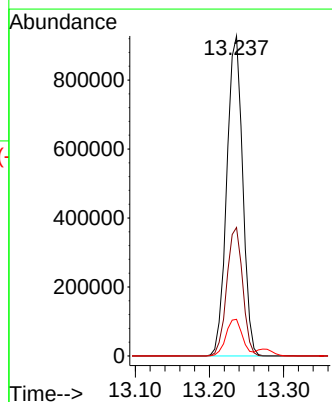
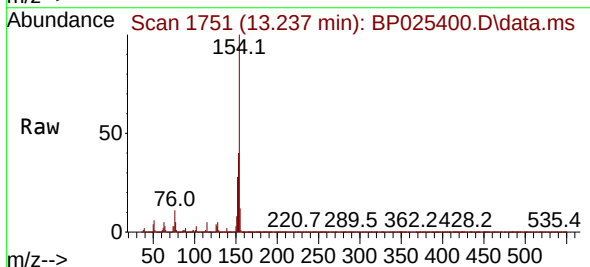
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

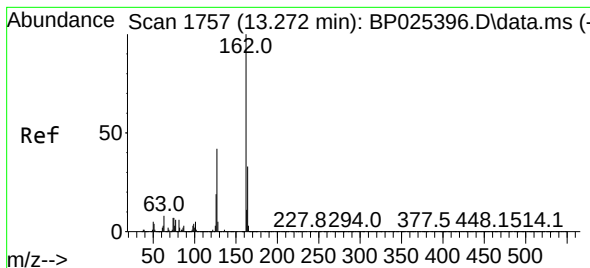
Tgt Ion:172 Resp: 2430828
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.1 18.6 28.0



#46
1,1'-Biphenyl
Concen: 37.672 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1376834
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.4 0.0 31.1

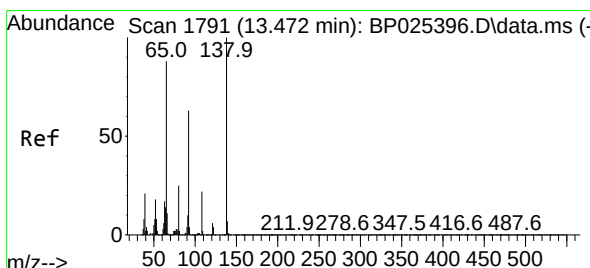
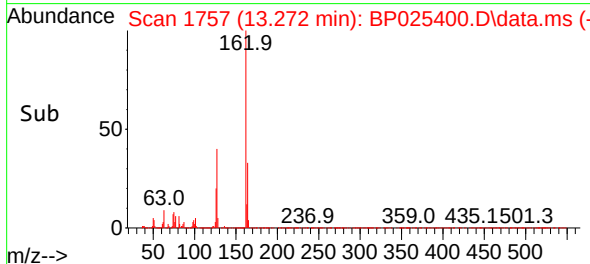
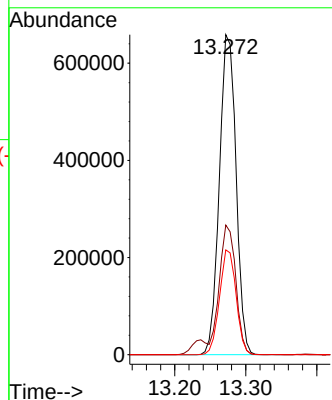
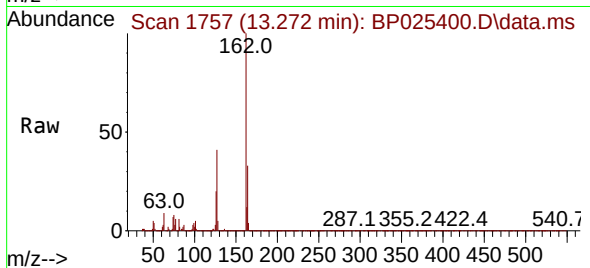




#47
2-Chloronaphthalene
Concen: 37.682 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

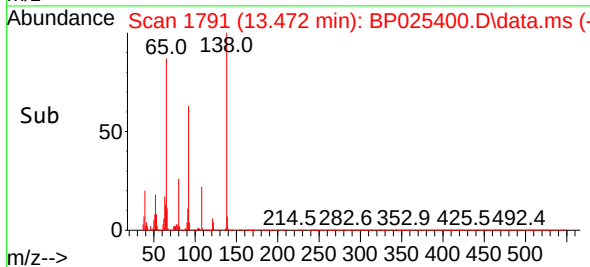
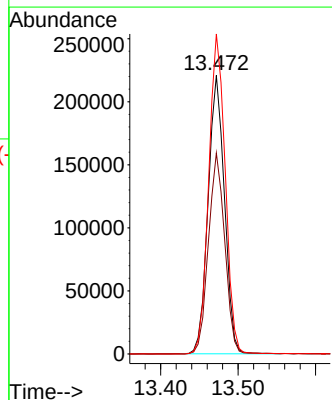
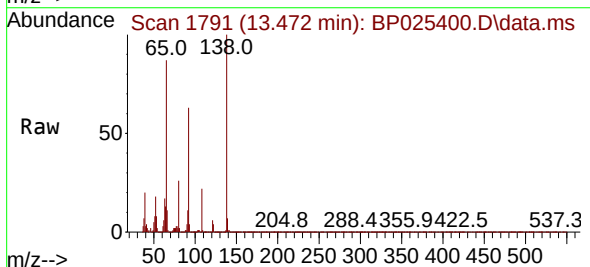
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

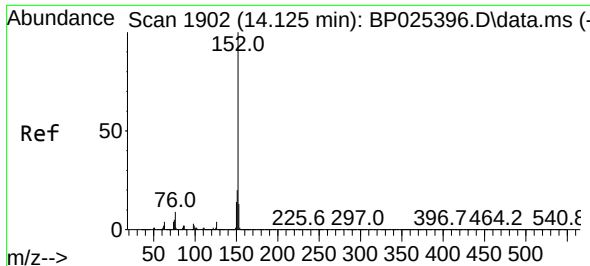
Tgt Ion:162 Resp: 1072147
Ion Ratio Lower Upper
162 100
127 40.5 33.4 50.2
164 32.8 26.2 39.2



#48
2-Nitroaniline
Concen: 39.081 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 65 Resp: 323995
Ion Ratio Lower Upper
65 100
92 72.2 57.6 86.4
138 114.9 91.0 136.6

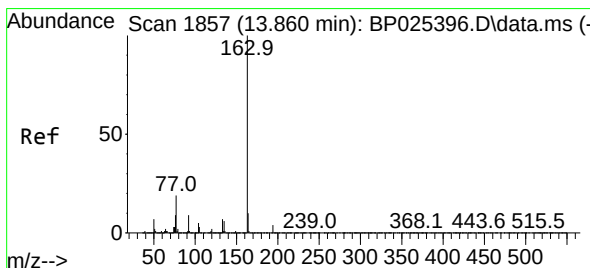
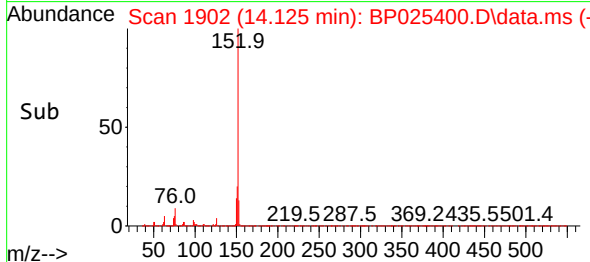
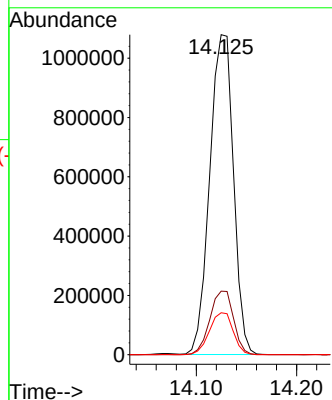
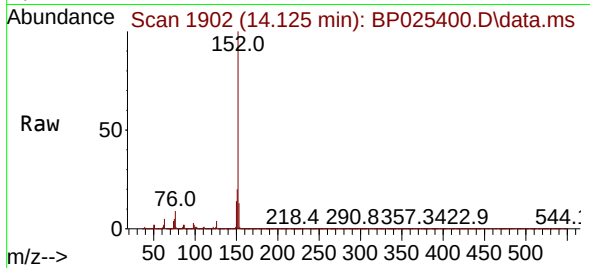




#49
Acenaphthylene
Concen: 37.720 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

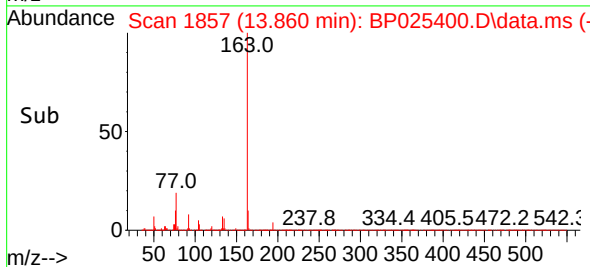
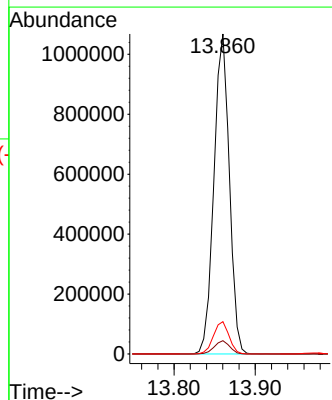
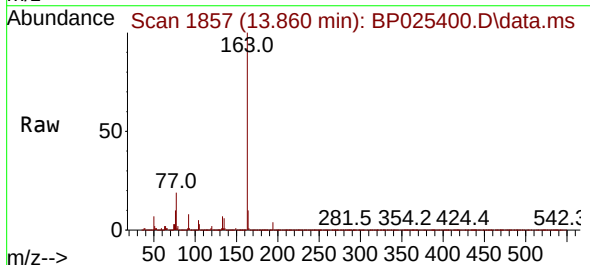
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

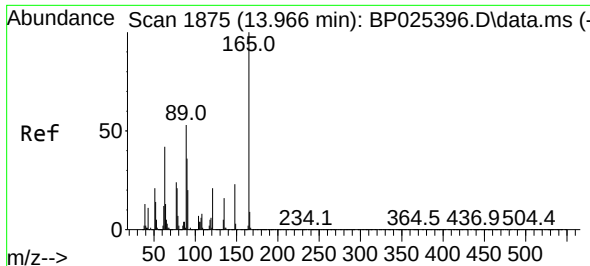
Tgt Ion:152 Resp: 1775899
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 38.170 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:163 Resp: 1406620
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.1 7.9 11.9

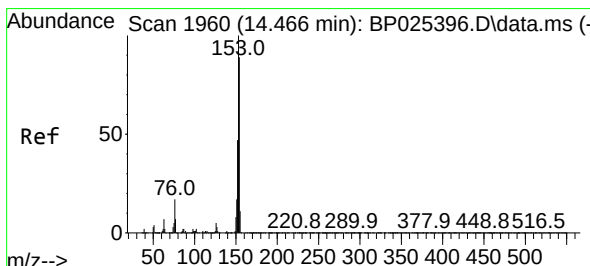
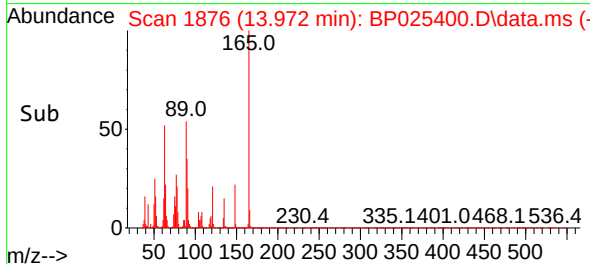
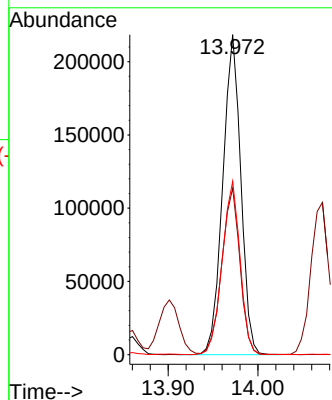
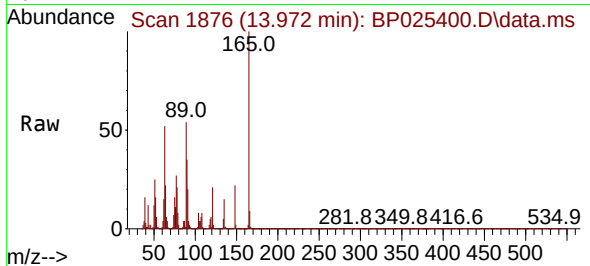




#51
2,6-Dinitrotoluene
Concen: 39.211 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

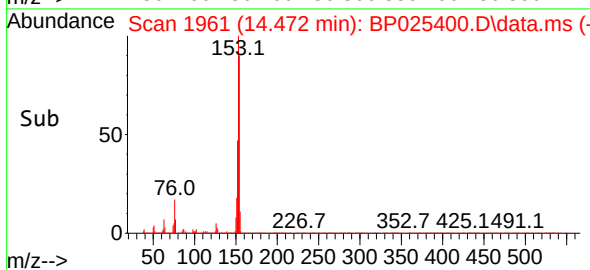
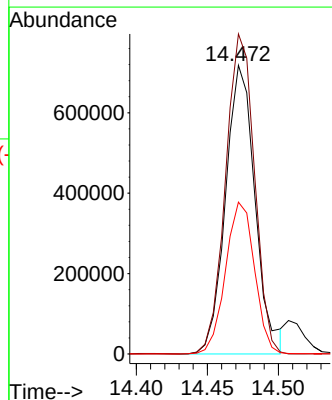
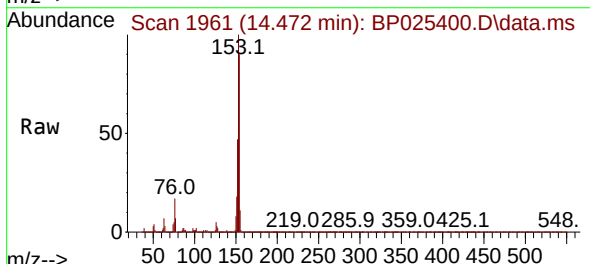
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

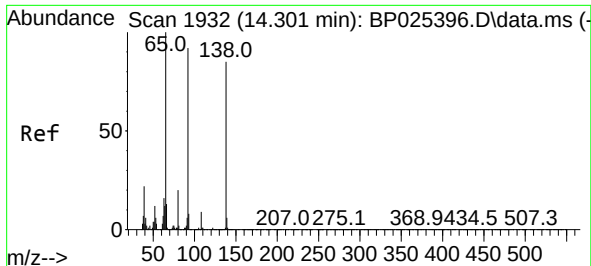
Tgt Ion:165 Resp: 304562
Ion Ratio Lower Upper
165 100
63 52.1 40.9 61.3
89 54.2 42.1 63.1



#52
Acenaphthene
Concen: 37.603 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1039167
Ion Ratio Lower Upper
154 100
153 110.9 90.2 135.2
152 52.6 42.1 63.1

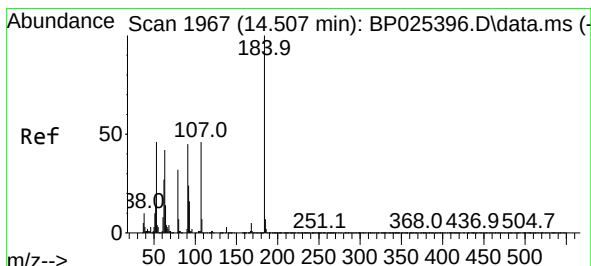
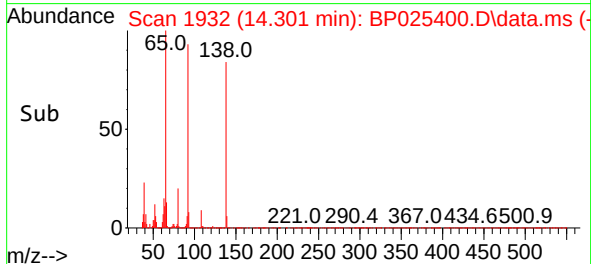
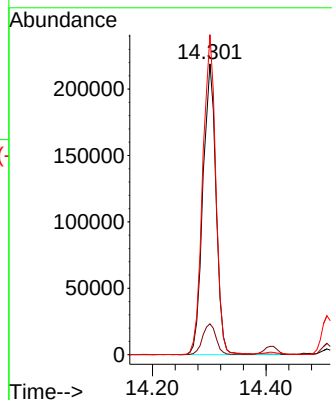
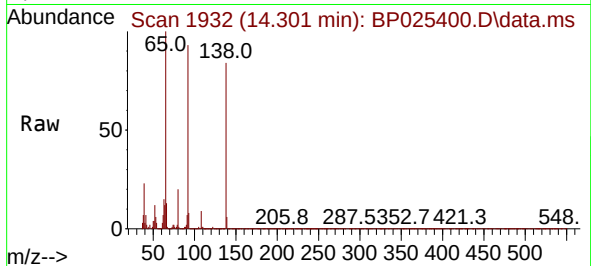




#53
3-Nitroaniline
Concen: 40.027 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

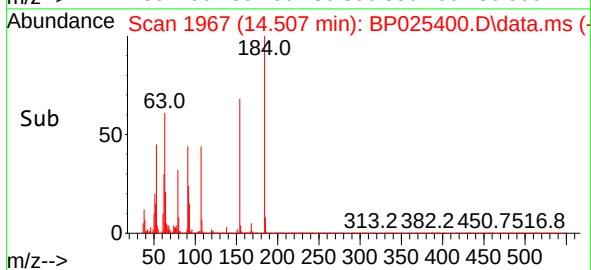
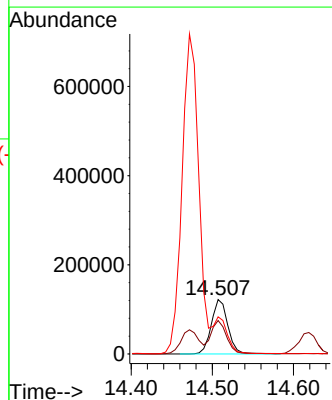
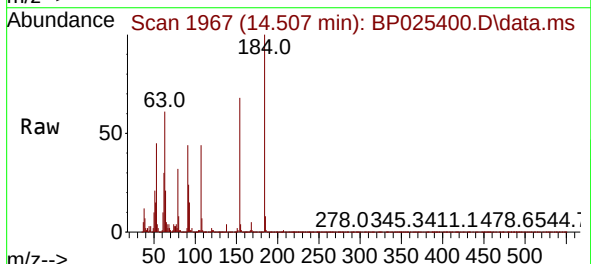
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

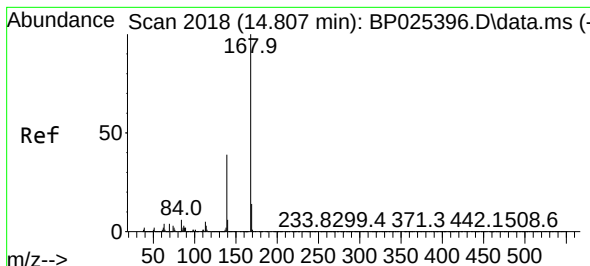
Tgt Ion:138 Resp: 349791
Ion Ratio Lower Upper
138 100
108 10.6 8.3 12.5
92 110.0 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 41.646 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:184 Resp: 172743
Ion Ratio Lower Upper
184 100
63 61.3 49.4 74.2
154 68.1 54.6 82.0

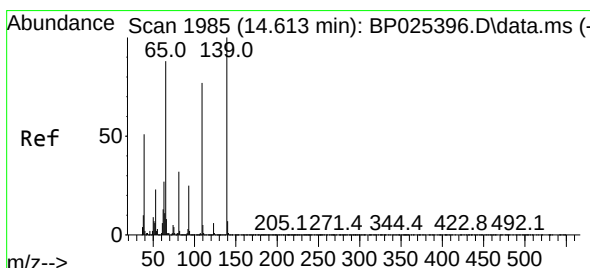
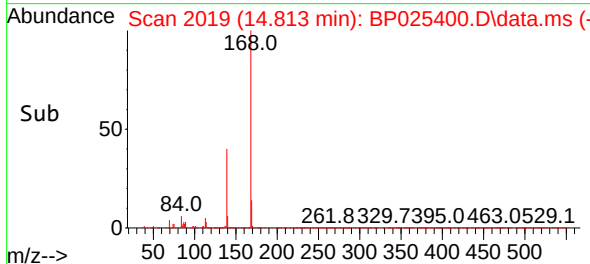
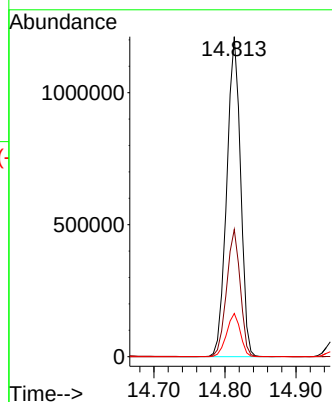
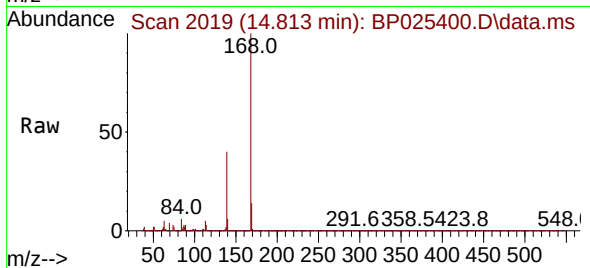




#55
Dibenzofuran
Concen: 37.324 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

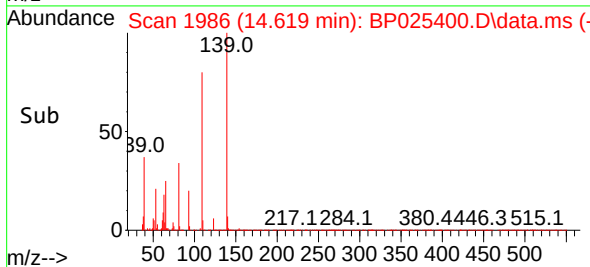
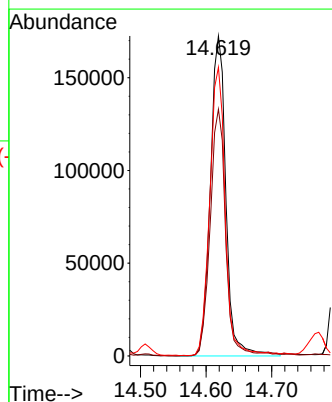
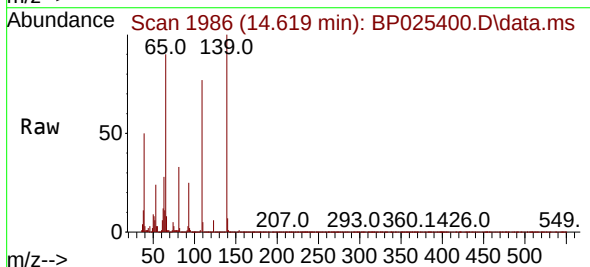
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

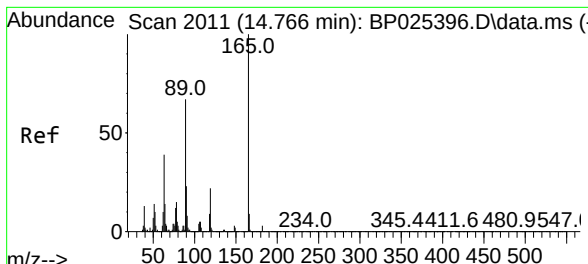
Tgt Ion:168 Resp: 1630744
Ion Ratio Lower Upper
168 100
139 39.8 31.5 47.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 39.630 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:139 Resp: 284585
Ion Ratio Lower Upper
139 100
109 77.1 56.6 96.6
65 90.2 68.2 108.2



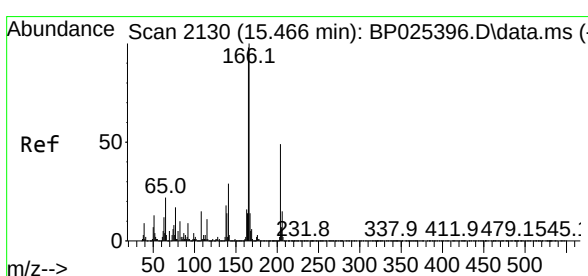
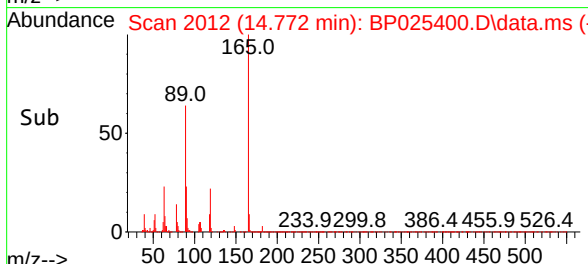
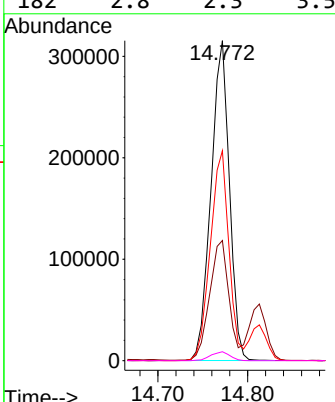
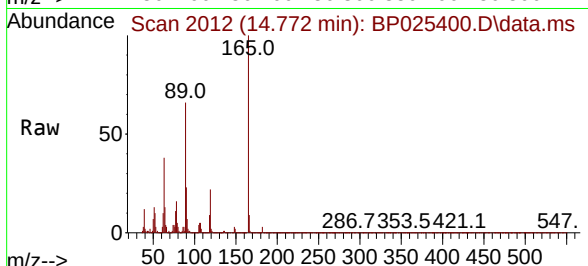


#57
 2,4-Dinitrotoluene
 Concen: 40.439 ng
 RT: 14.772 min Scan# 2011
 Delta R.T. 0.006 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

Instrument : BNA_P
 ClientSampleId : ICVBP081425

Tgt Ion:165 Resp: 448143

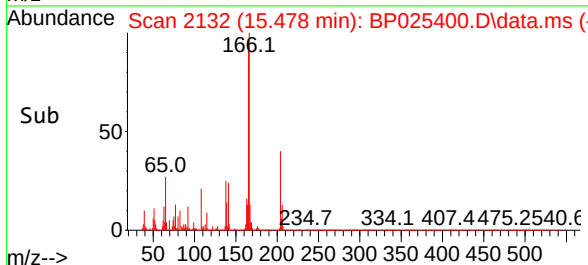
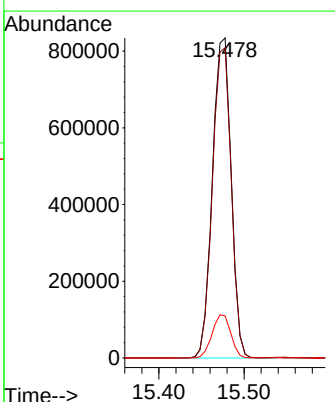
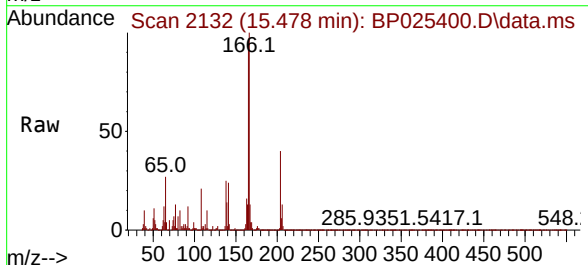
Ion	Ratio	Lower	Upper
165	100		
63	37.5	31.4	47.2
89	65.6	53.3	79.9
182	2.8	2.3	3.5

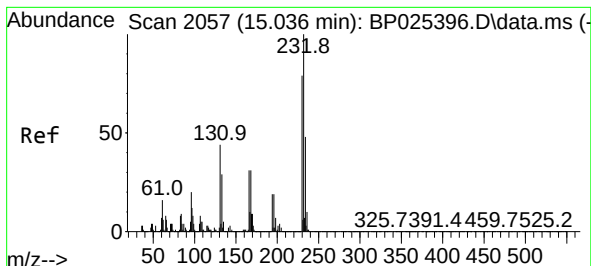


#58
 Fluorene
 Concen: 36.992 ng
 RT: 15.478 min Scan# 2132
 Delta R.T. 0.012 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

Tgt Ion:166 Resp: 1275341

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.8	118.2
167	13.2	11.0	16.4

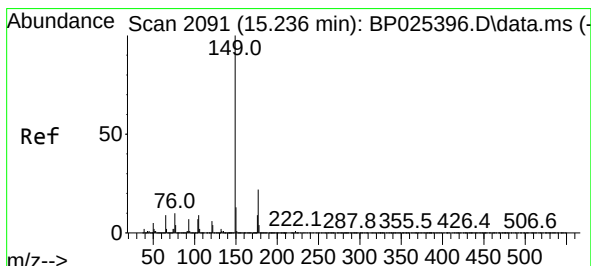
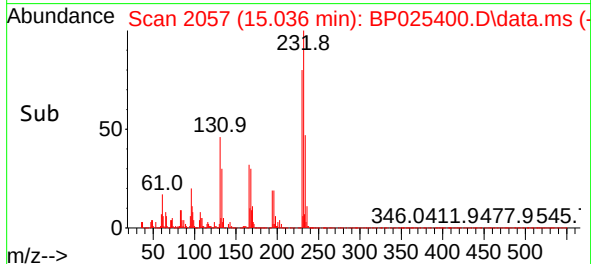
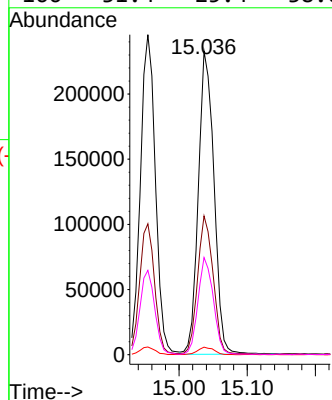
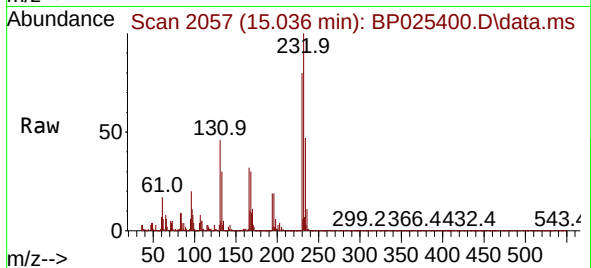




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.147 ng
RT: 15.036 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

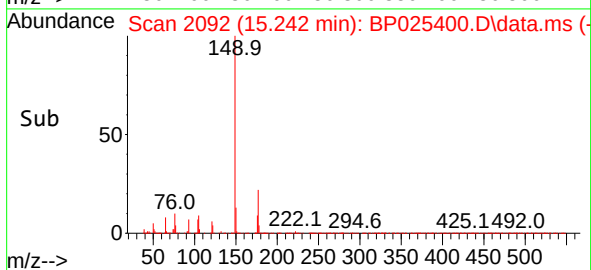
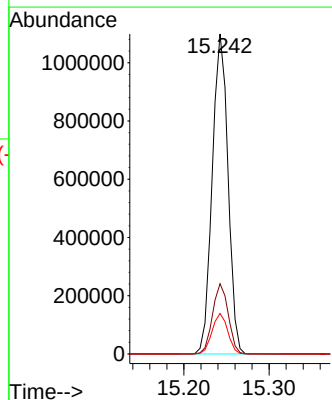
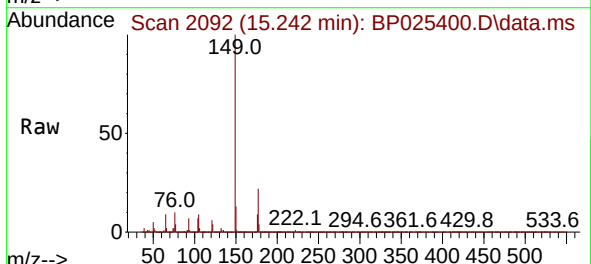
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

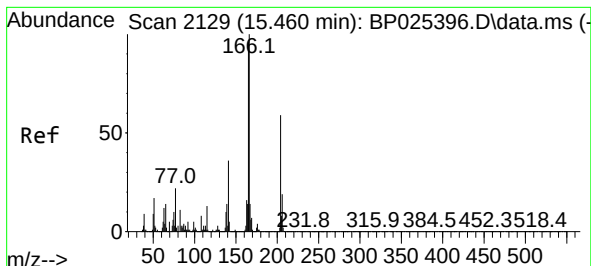
Tgt Ion:232	Resp:	371715
Ion Ratio	Lower	Upper
232	100	
131	45.3	37.0 55.6
130	2.6	1.9 2.9
166	31.4	25.4 38.0



#60
Diethylphthalate
Concen: 37.810 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149	Resp:	1415787
Ion Ratio	Lower	Upper
149	100	
177	22.0	17.3 25.9
150	12.7	10.3 15.5

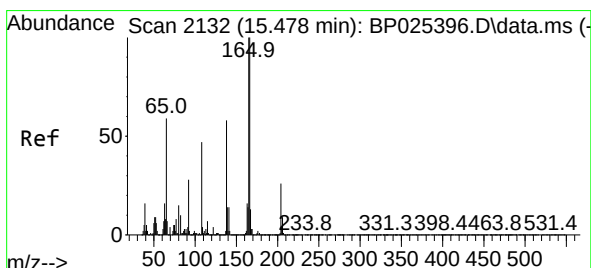
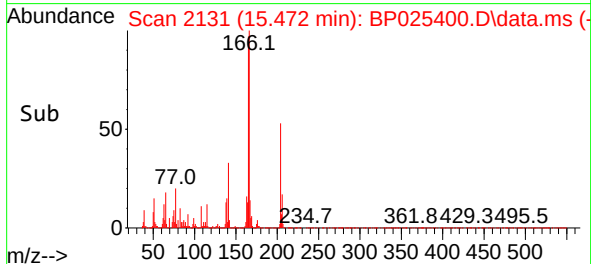
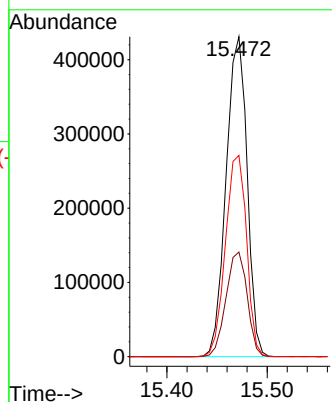
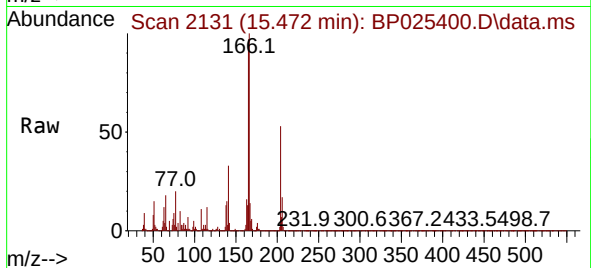




#61
4-Chlorophenyl-phenylether
Concen: 36.596 ng
RT: 15.472 min Scan# 2130
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

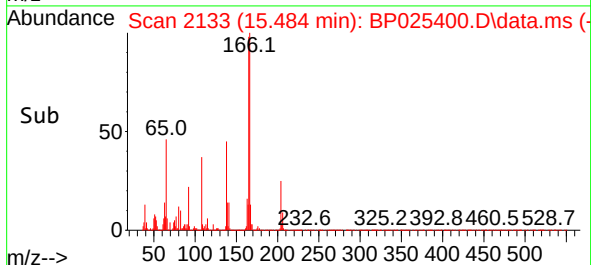
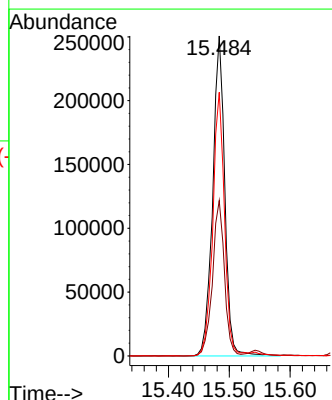
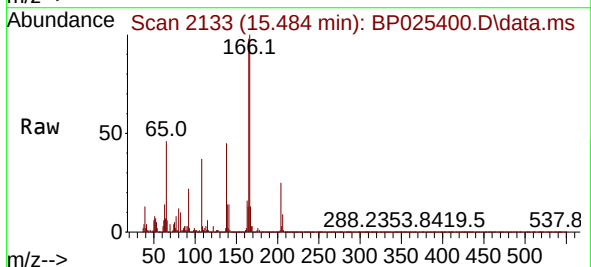
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

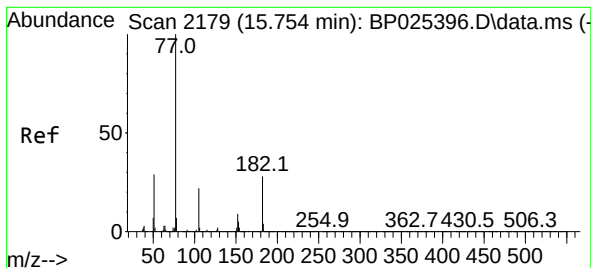
Tgt Ion:204 Resp: 627477
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.8
141 62.9 49.4 74.2



#62
4-Nitroaniline
Concen: 38.717 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:138 Resp: 346865
Ion Ratio Lower Upper
138 100
92 48.5 29.1 69.1
108 82.4 61.5 101.5

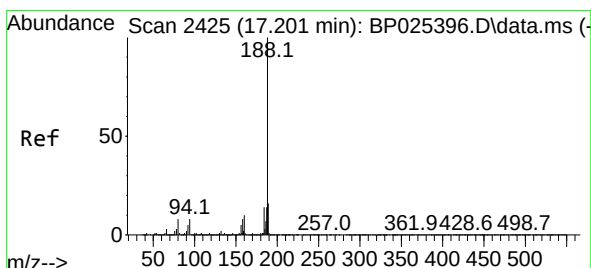
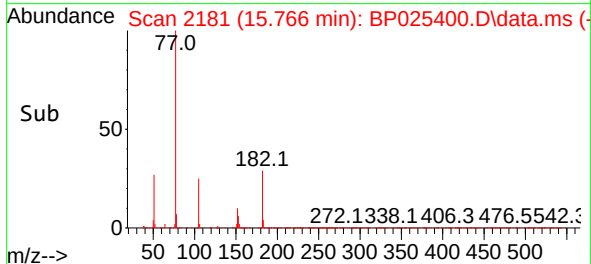
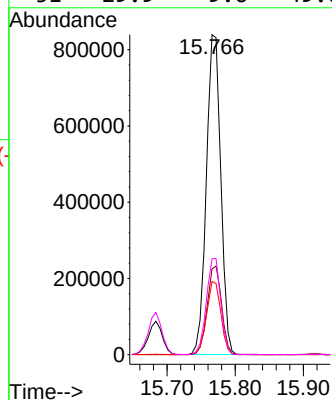
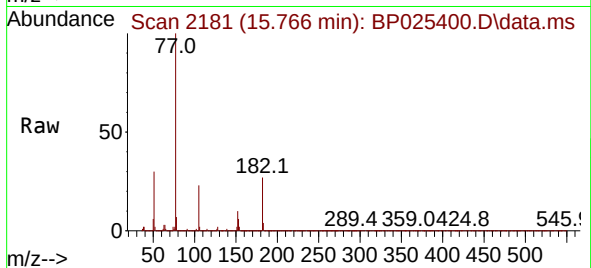




#63
Azobenzene
Concen: 38.526 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

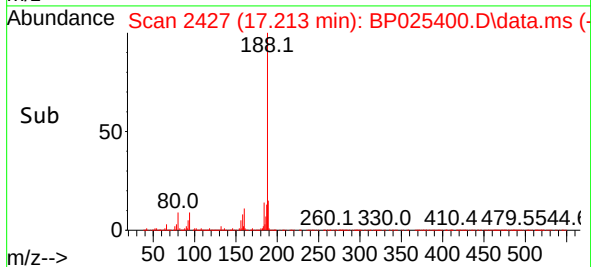
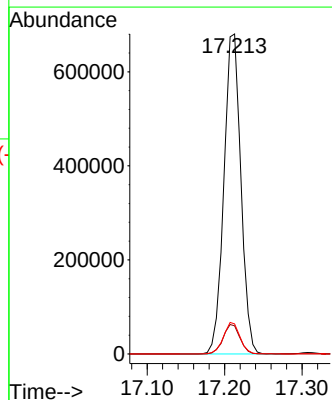
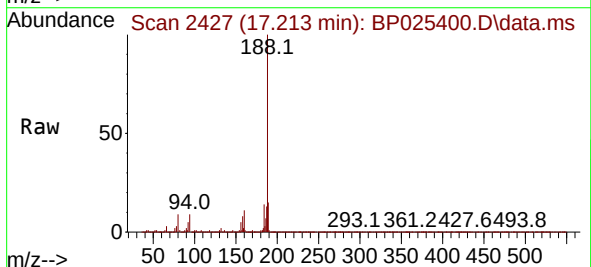
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

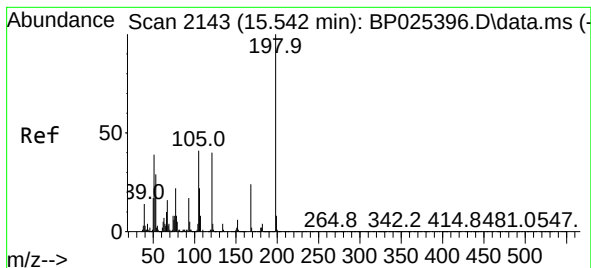
Tgt Ion: 77 Resp: 1235242
Ion Ratio Lower Upper
77 100
182 26.8 7.5 47.5
105 22.8 2.1 42.1
51 29.9 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 188 Resp: 1034378
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.4 6.7 10.1

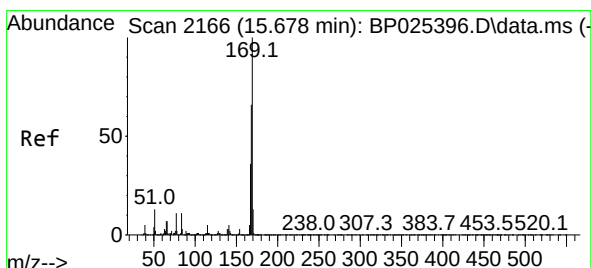
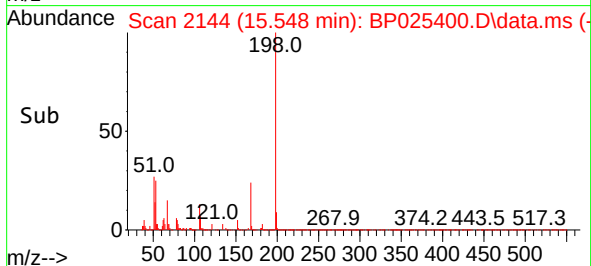
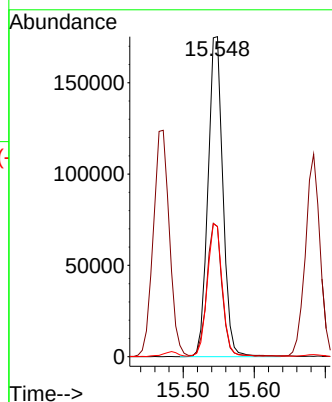
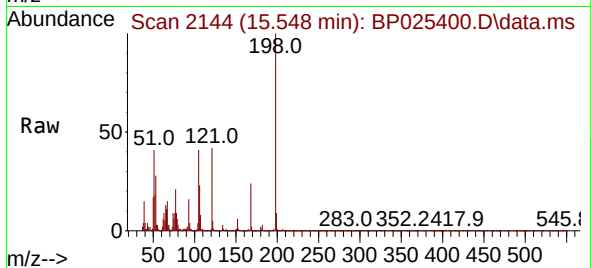




#65
4,6-Dinitro-2-methylphenol
Concen: 39.721 ng
RT: 15.548 min Scan# 2144
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

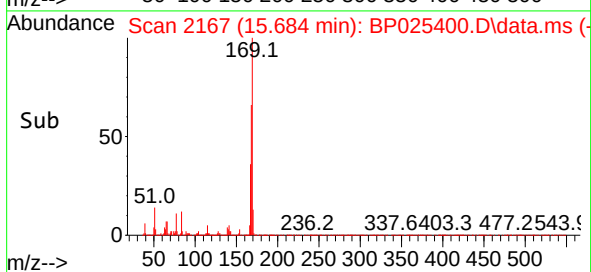
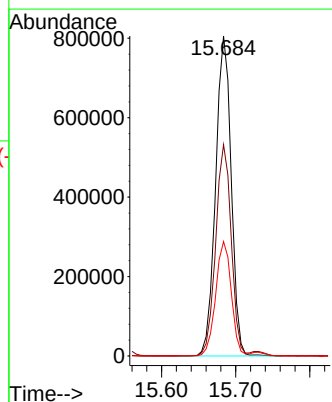
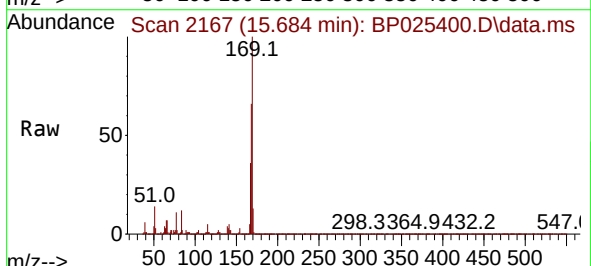
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

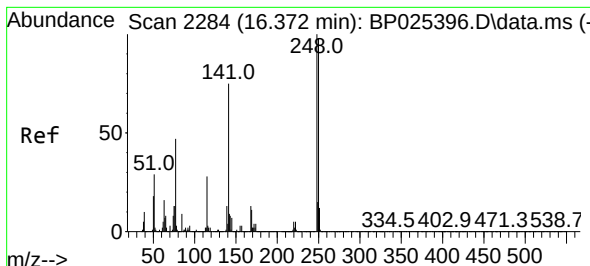
Tgt Ion:198 Resp: 256111
Ion Ratio Lower Upper
198 100
51 40.6 19.6 59.6
105 40.7 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 37.227 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:169 Resp: 1174244
Ion Ratio Lower Upper
169 100
168 66.0 53.2 79.8
167 35.7 28.7 43.1

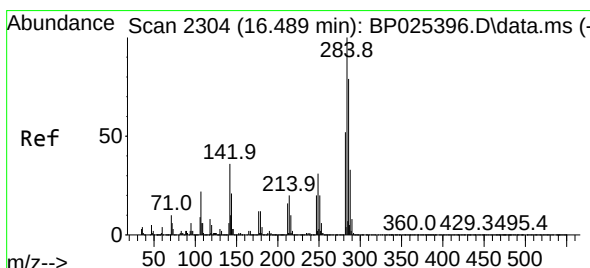
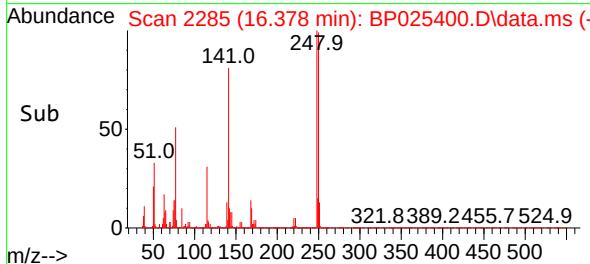
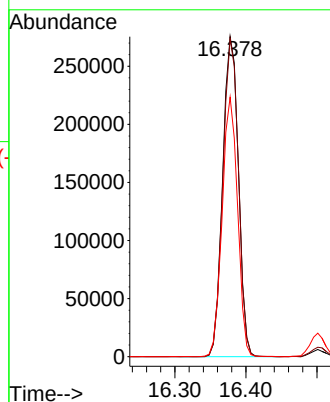
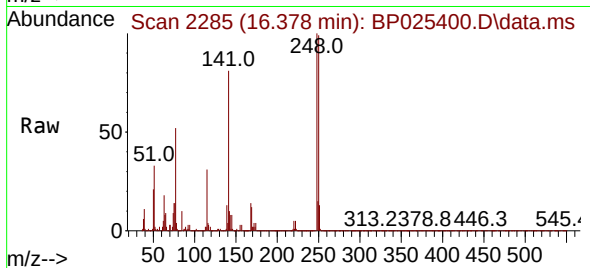




#67
4-Bromophenyl-phenylether
Concen: 37.101 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

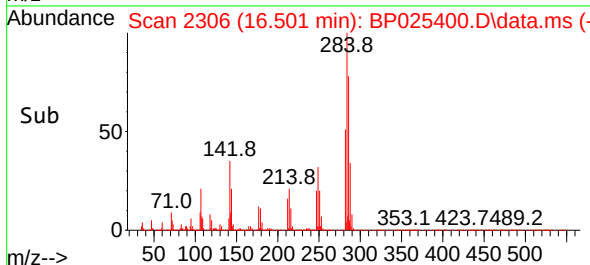
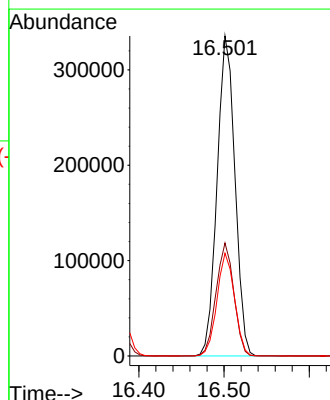
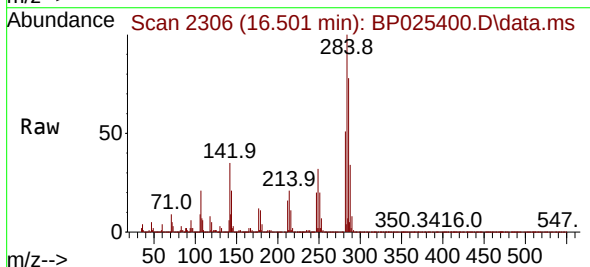
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

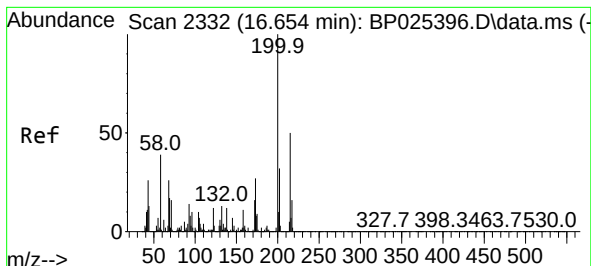
Tgt Ion:248 Resp: 422072
Ion Ratio Lower Upper
248 100
250 99.4 78.2 117.2
141 81.1 59.6 89.4



#68
Hexachlorobenzene
Concen: 37.062 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:284 Resp: 488749
Ion Ratio Lower Upper
284 100
142 35.3 29.1 43.7
249 32.1 25.0 37.4





#69

Atrazine

Concen: 38.057 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

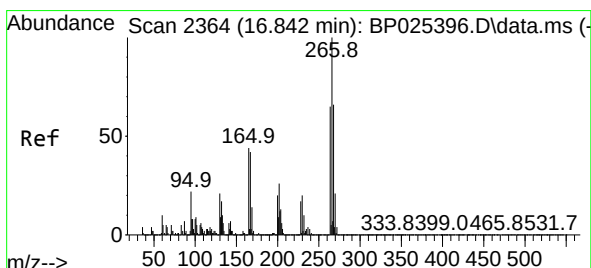
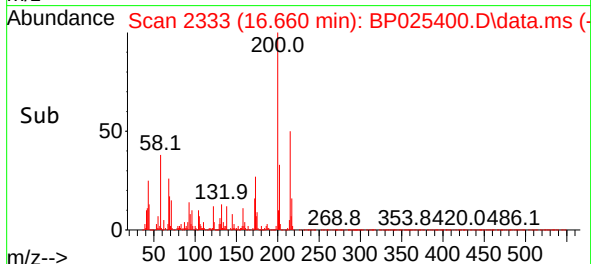
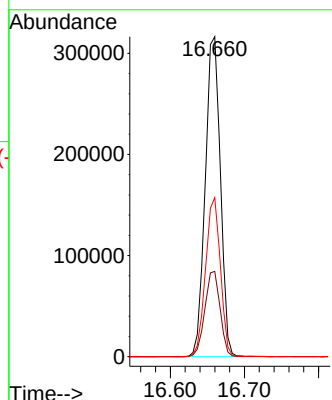
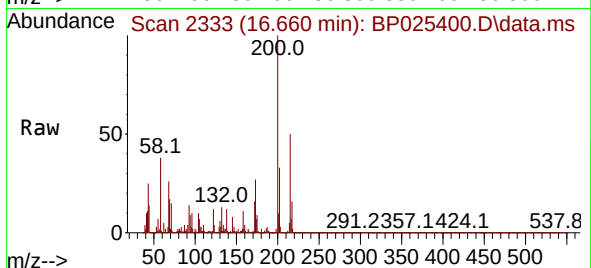
Tgt Ion:200 Resp: 449555

Ion Ratio Lower Upper

200 100

173 26.7 6.7 46.7

215 49.7 29.7 69.7



#70

Pentachlorophenol

Concen: 38.733 ng

RT: 16.854 min Scan# 2366

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

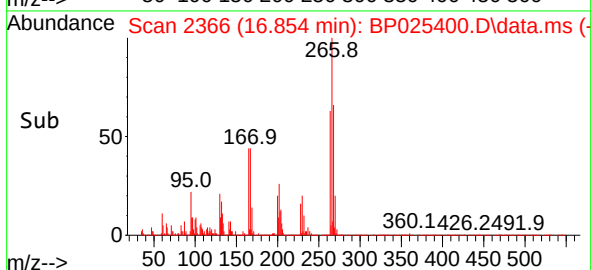
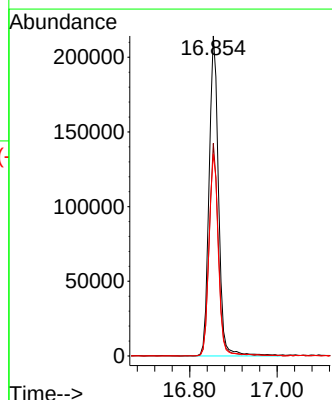
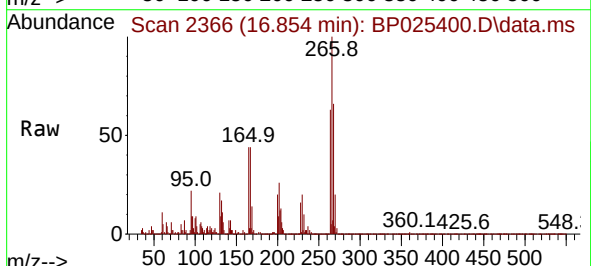
Tgt Ion:266 Resp: 322435

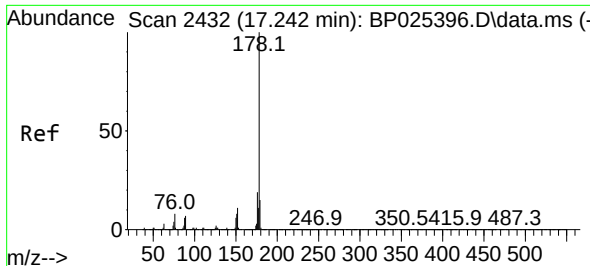
Ion Ratio Lower Upper

266 100

268 66.4 52.6 79.0

264 63.2 52.0 78.0

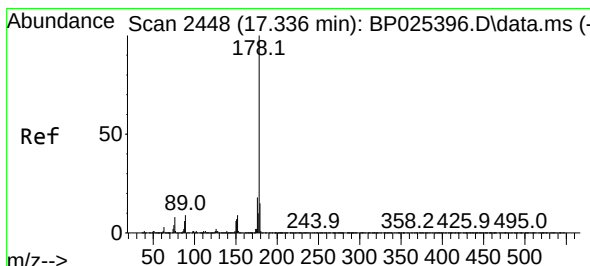
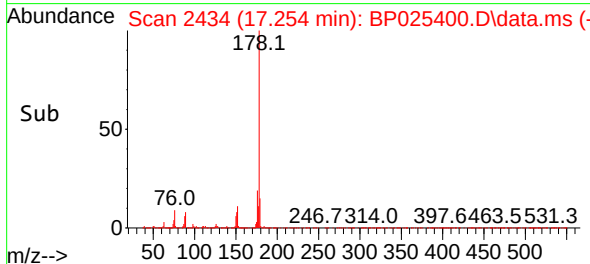
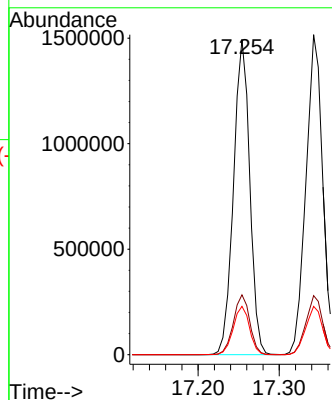
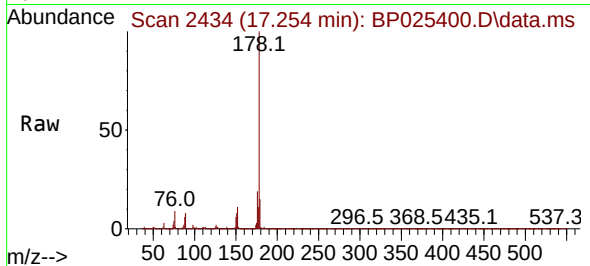




#71
Phenanthrene
Concen: 36.445 ng
RT: 17.254 min Scan# 2432
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

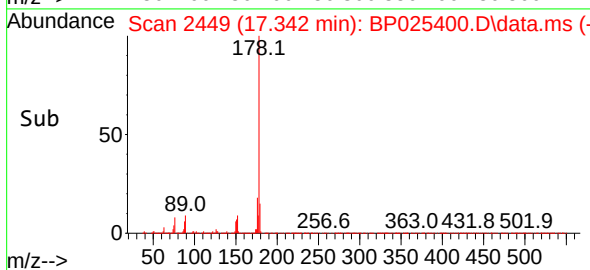
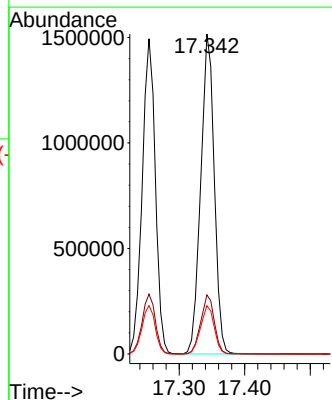
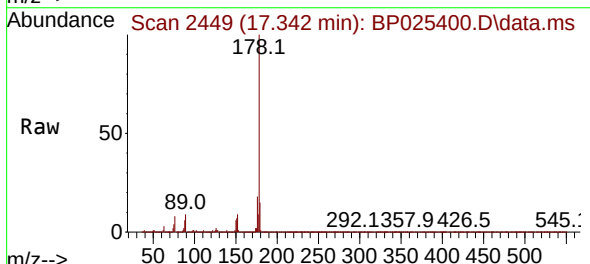
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

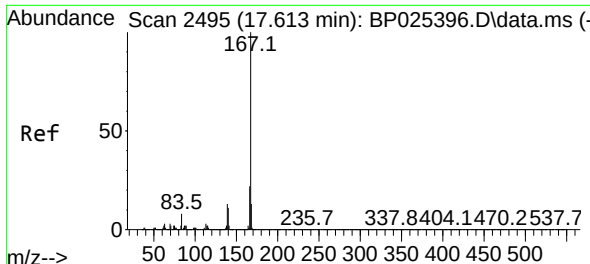
Tgt Ion:178 Resp: 2070873
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.2 18.4



#72
Anthracene
Concen: 37.563 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:178 Resp: 2179669
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.1 12.2 18.2

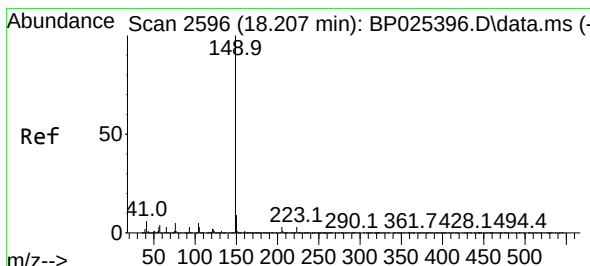
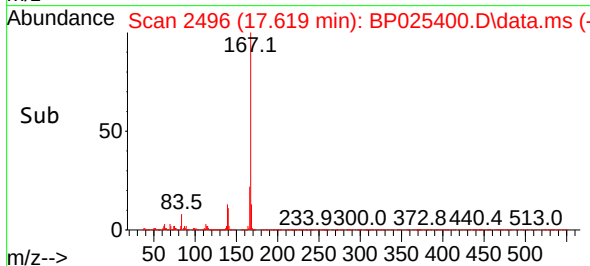
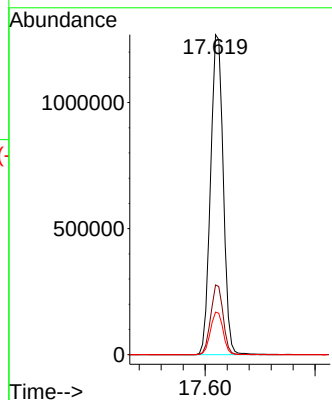
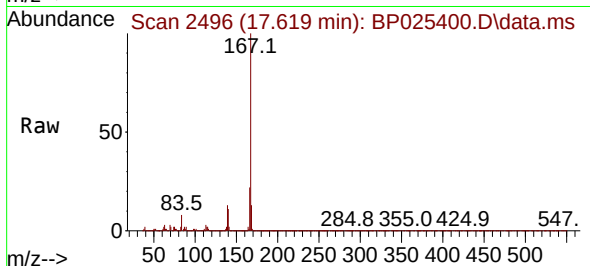




#73
 Carbazole
 Concen: 37.116 ng
 RT: 17.619 min Scan# 2495
 Delta R.T. 0.006 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

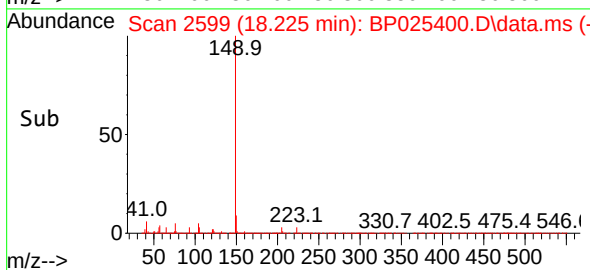
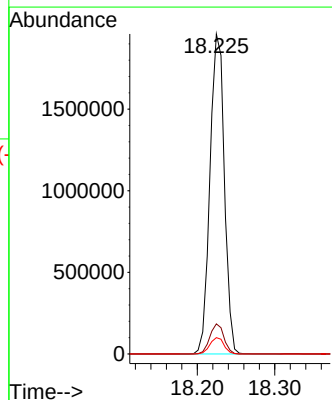
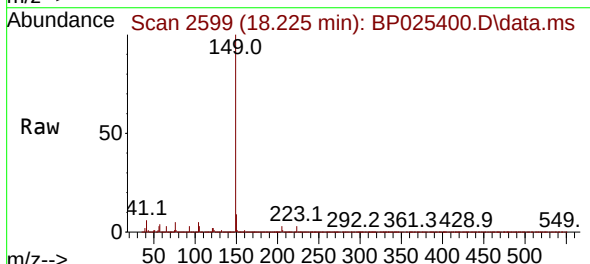
Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

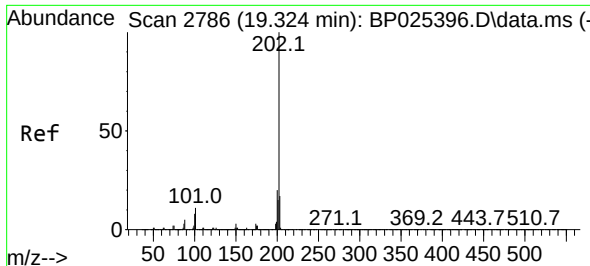
Tgt Ion:167 Resp: 2028595
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.5 26.3
 139 13.3 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 37.602 ng
 RT: 18.225 min Scan# 2599
 Delta R.T. 0.018 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 2528547
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 5.1 4.2 6.2

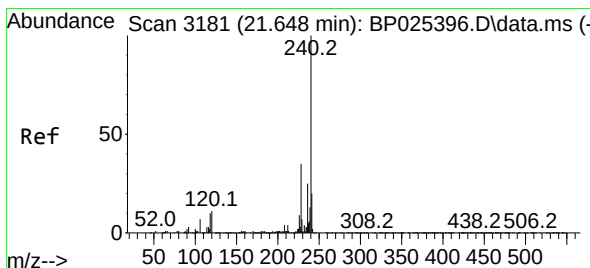
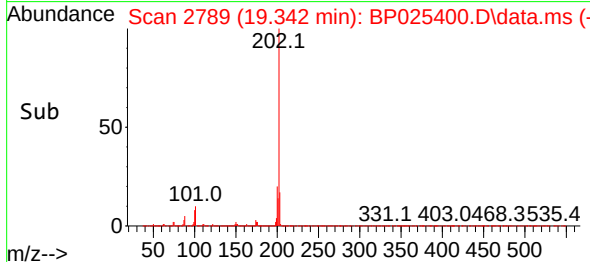
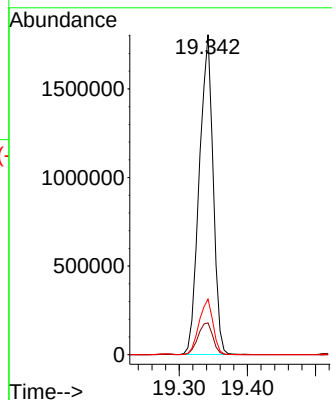
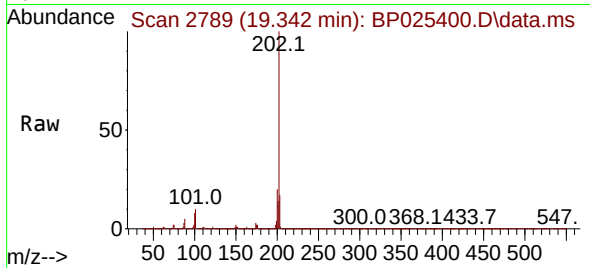




#75
Fluoranthene
Concen: 37.481 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

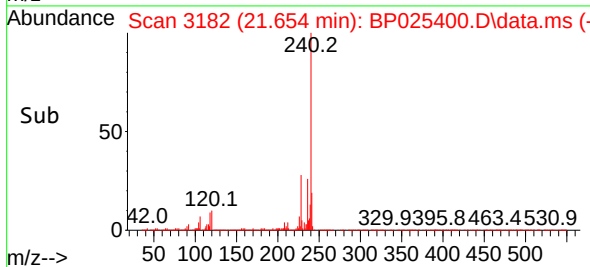
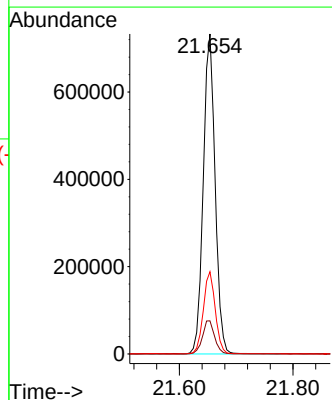
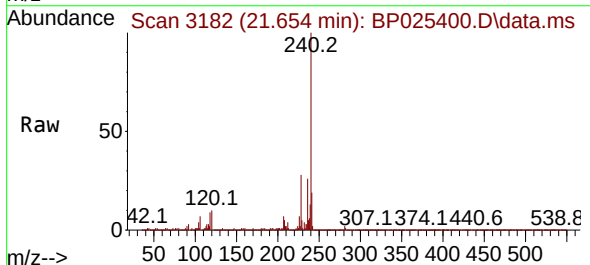
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

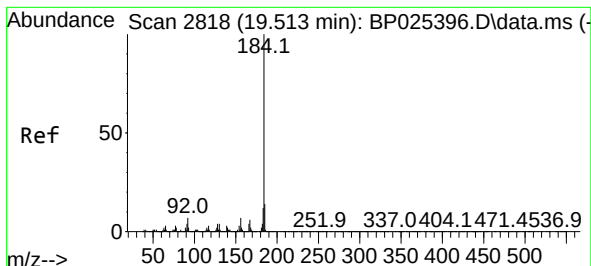
Tgt Ion:202 Resp: 2540417
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:240 Resp: 1060337
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.7 19.8 29.8





#77

Benzidine

Concen: 42.271 ng

RT: 19.519 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

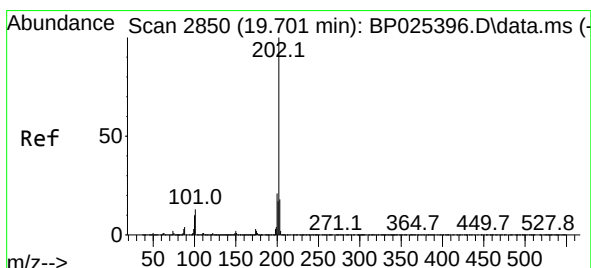
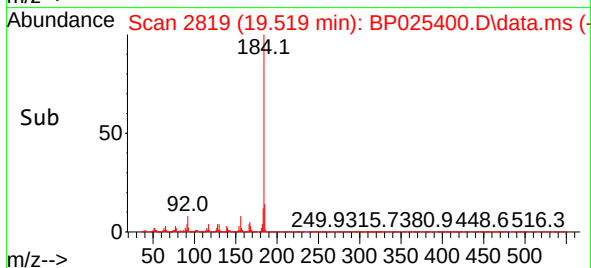
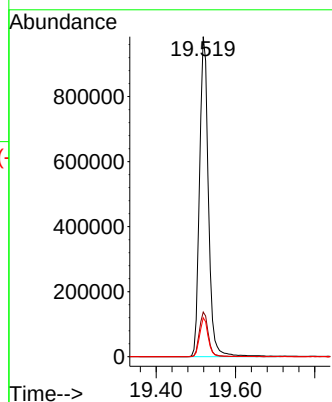
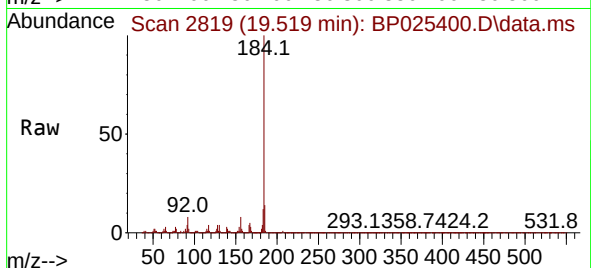
Tgt Ion:184 Resp: 1529656

Ion Ratio Lower Upper

184 100

185 13.9 11.5 17.3

183 12.1 9.4 14.2



#78

Pyrene

Concen: 37.404 ng

RT: 19.713 min Scan# 2852

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

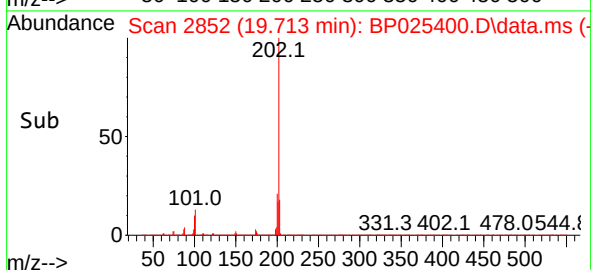
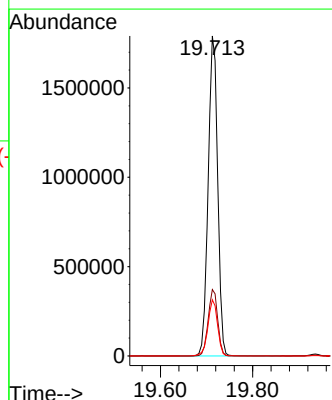
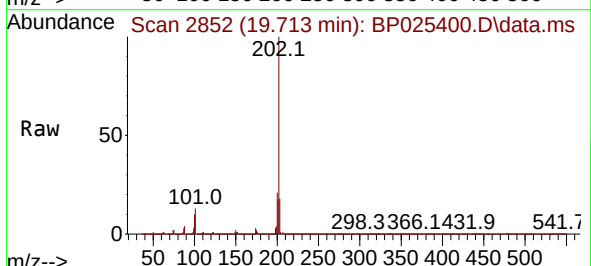
Tgt Ion:202 Resp: 2577810

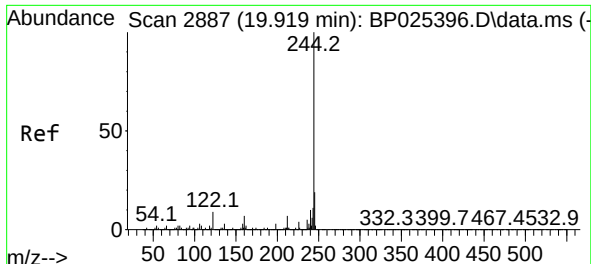
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.5 14.2 21.2

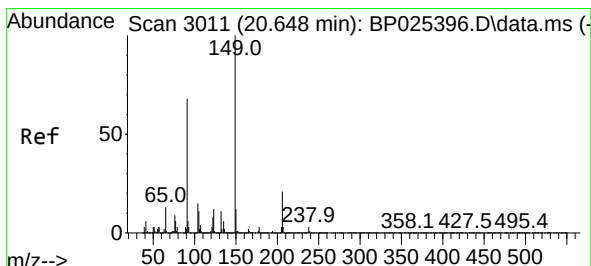
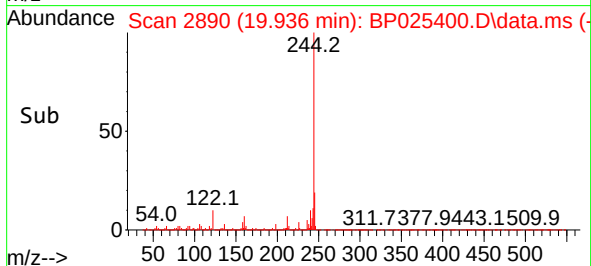
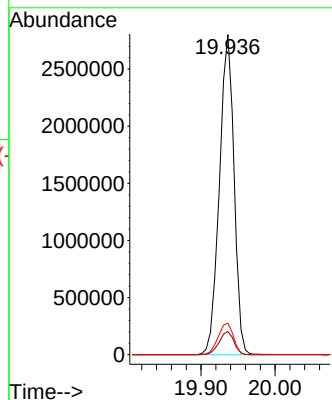
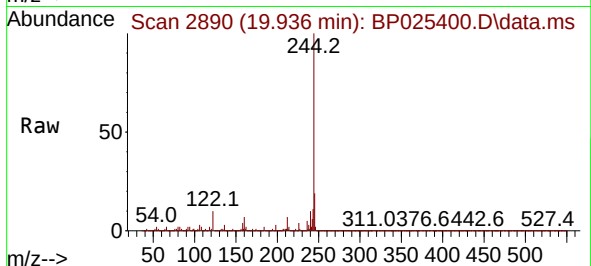




#79
 Terphenyl-d14
 Concen: 66.399 ng
 RT: 19.936 min Scan# 2887
 Delta R.T. 0.018 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

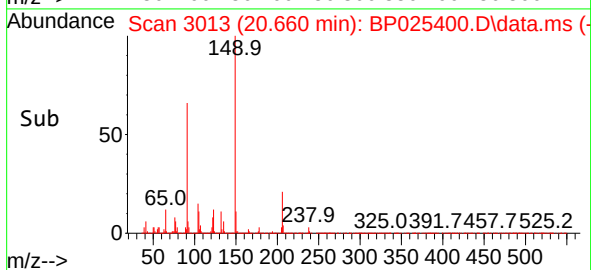
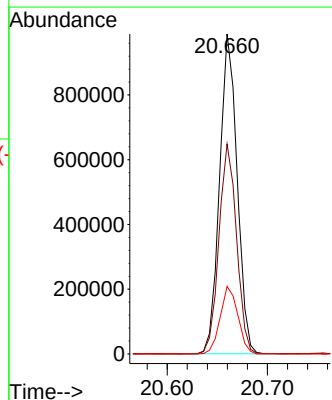
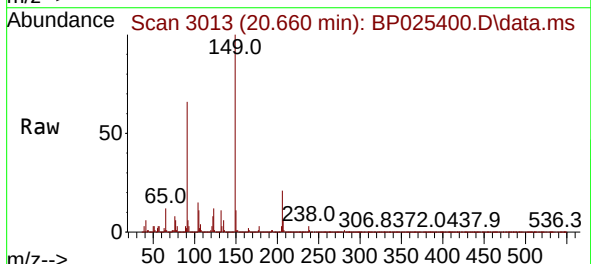
Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

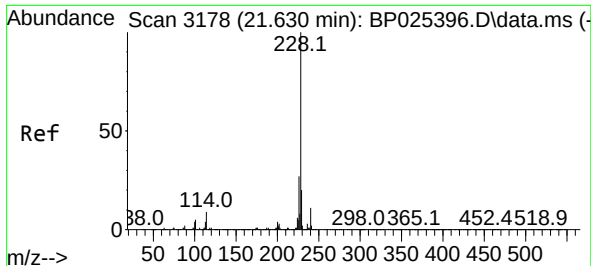
Tgt Ion:244 Resp: 3848160
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.9 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 38.401 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1199445
 Ion Ratio Lower Upper
 149 100
 91 65.6 54.2 81.2
 206 21.1 16.6 24.8

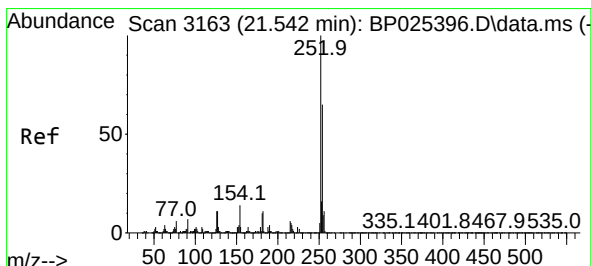
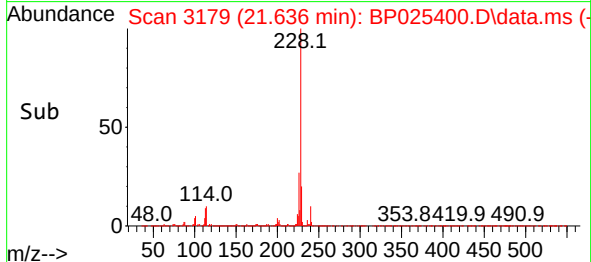
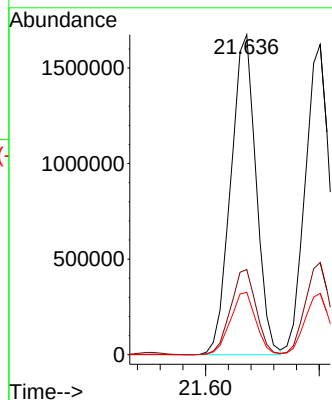
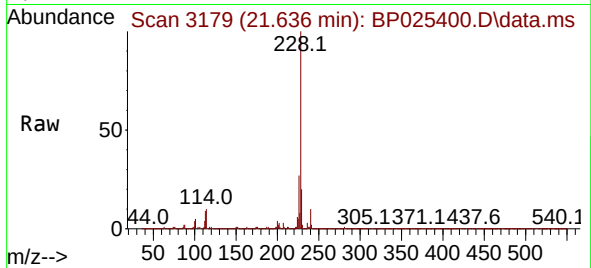




#81
Benzo(a)anthracene
Concen: 36.950 ng
RT: 21.636 min Scan# 3178
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

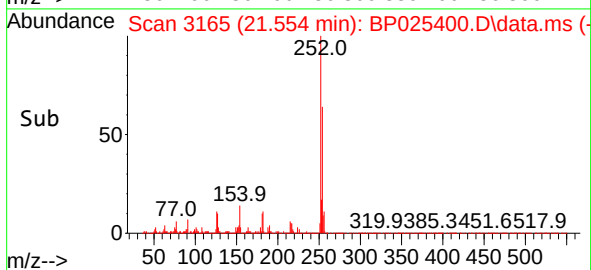
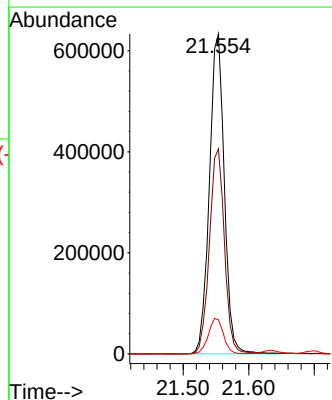
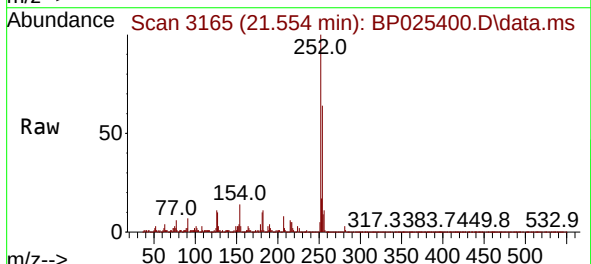
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

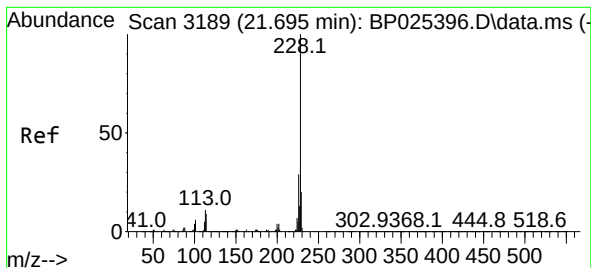
Tgt Ion:228 Resp: 2583866
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.5 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 38.038 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 1002597
Ion Ratio Lower Upper
252 100
254 64.1 51.8 77.6
126 10.7 9.1 13.7





#83

Chrysene

Concen: 37.353 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

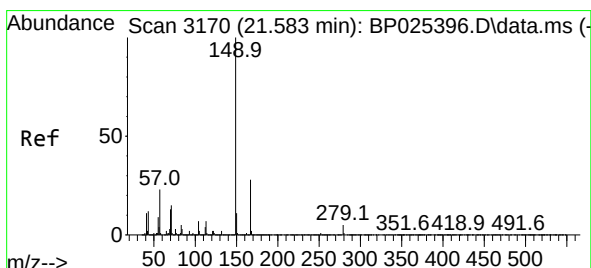
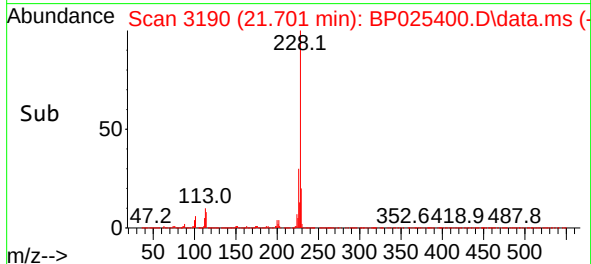
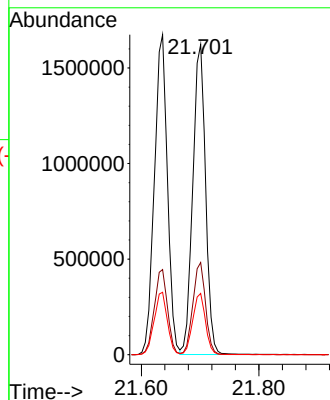
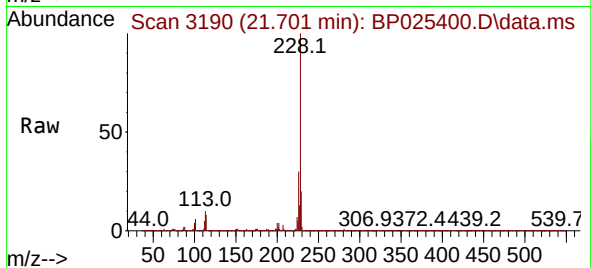
Tgt Ion:228 Resp: 2446197

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.729 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

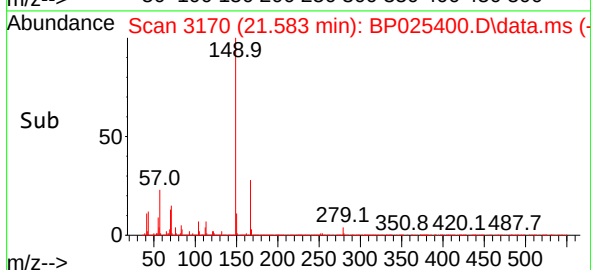
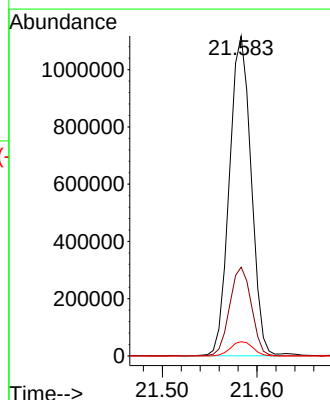
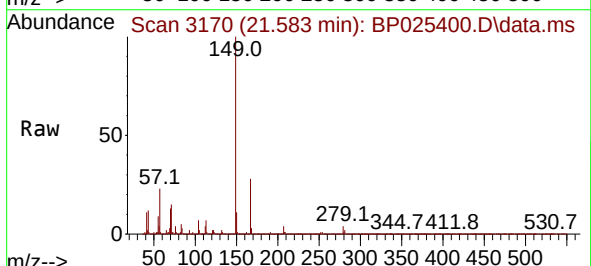
Tgt Ion:149 Resp: 1780746

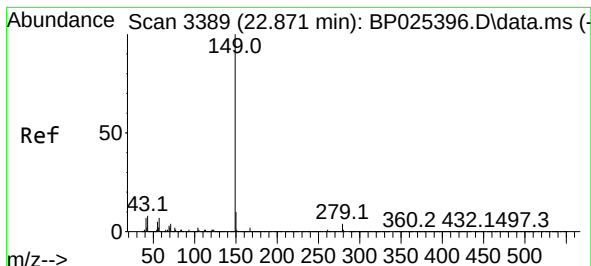
Ion Ratio Lower Upper

149 100

167 27.8 22.1 33.1

279 4.5 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 37.915 ng

RT: 22.877 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

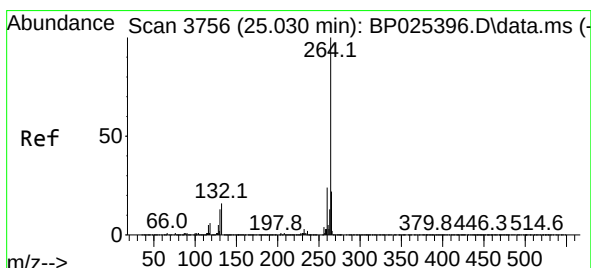
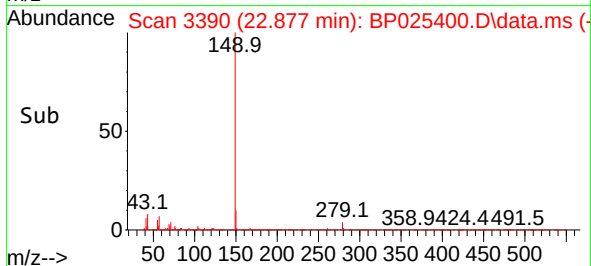
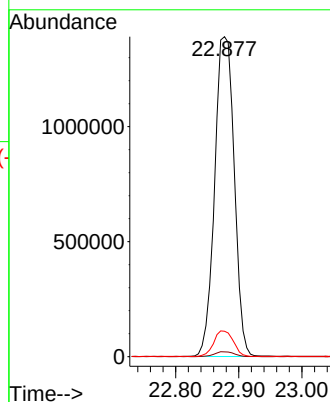
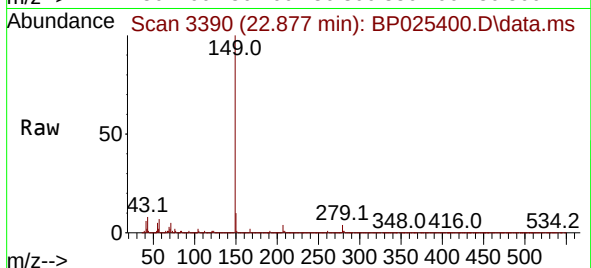
Tgt Ion:149 Resp: 2998528

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.0 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.024 min Scan# 3755

Delta R.T. -0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

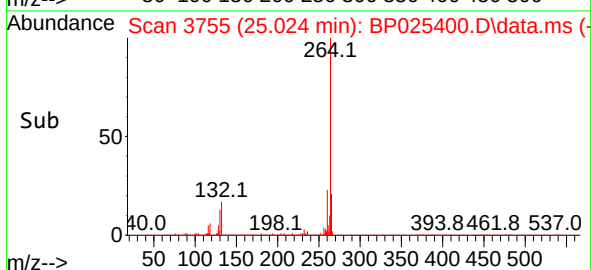
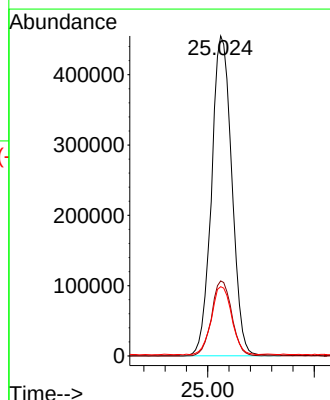
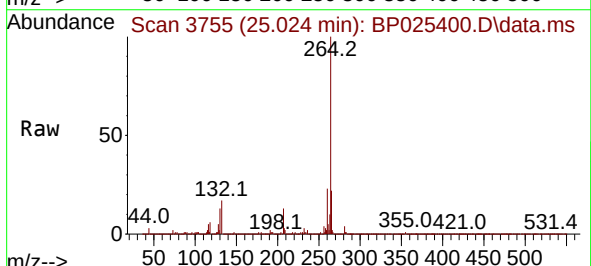
Tgt Ion:264 Resp: 1200519

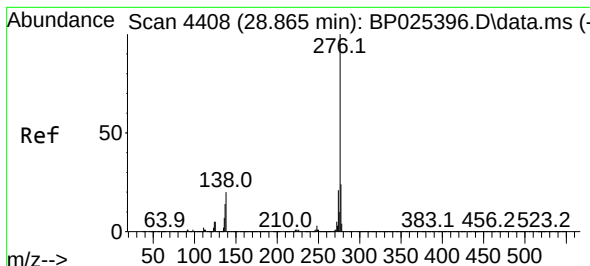
Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 21.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.119 ng

RT: 28.877 min Scan# 4408

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

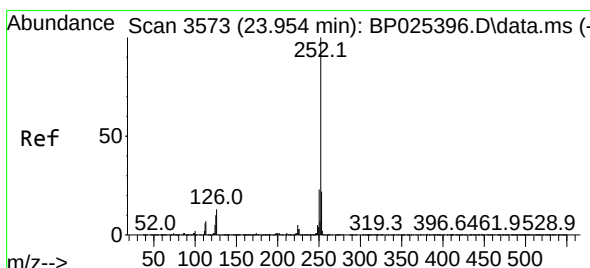
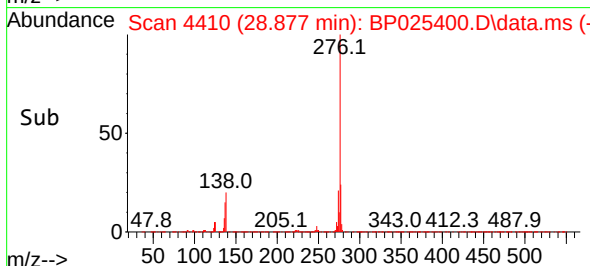
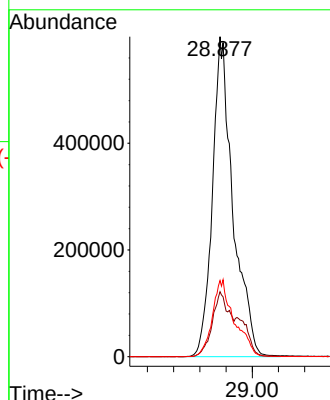
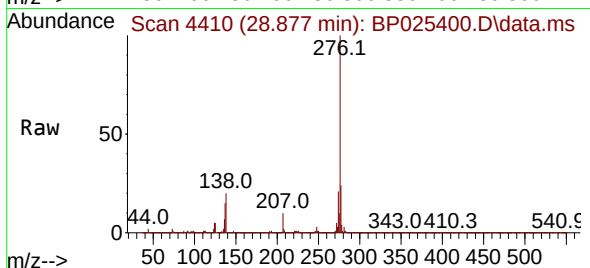
Tgt Ion:276 Resp: 3267965

Ion Ratio Lower Upper

276 100

138 17.0 12.9 19.3

277 25.5 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 36.964 ng

RT: 23.971 min Scan# 3576

Delta R.T. 0.018 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

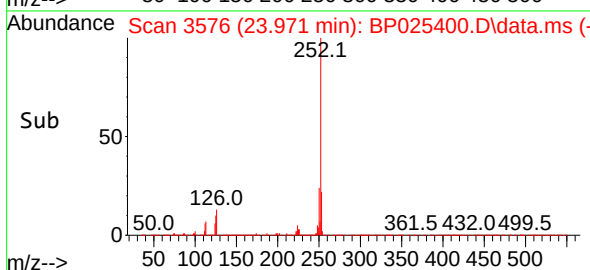
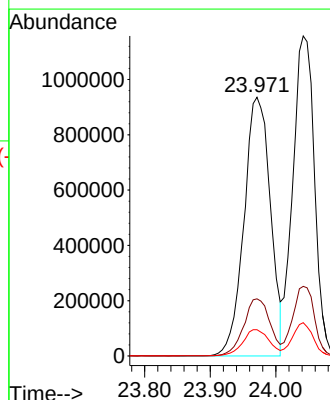
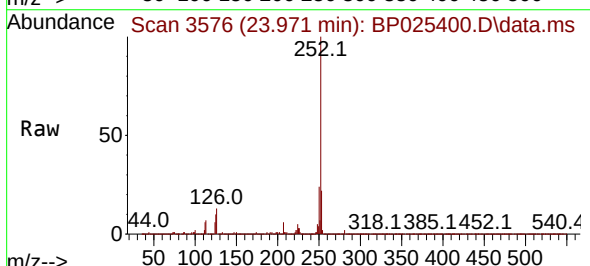
Tgt Ion:252 Resp: 2616701

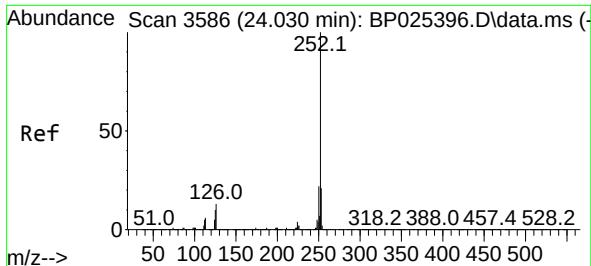
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.2 7.9 11.9

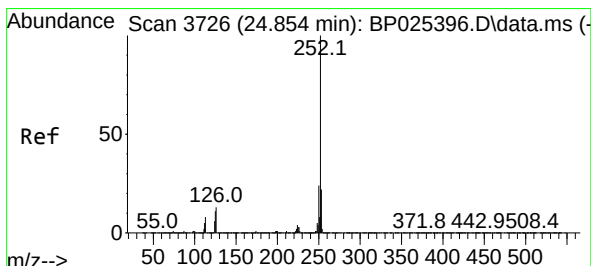
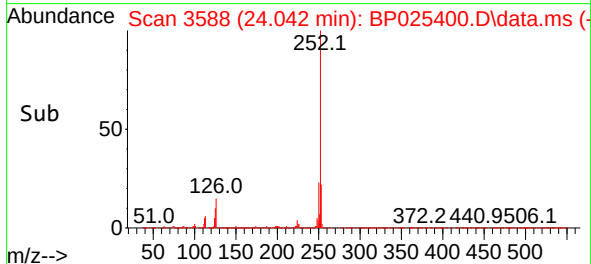
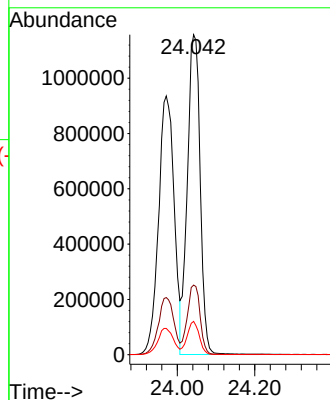
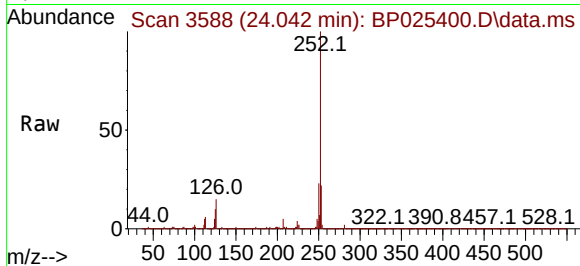




#89
Benzo(k)fluoranthene
Concen: 37.464 ng
RT: 24.042 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

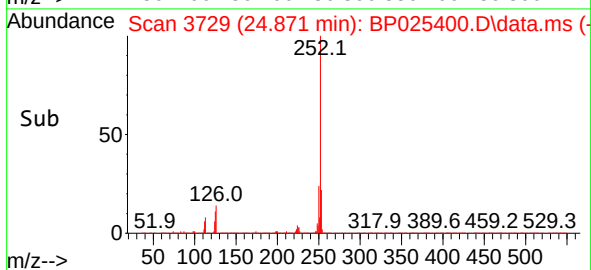
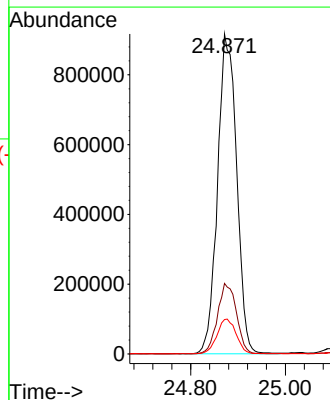
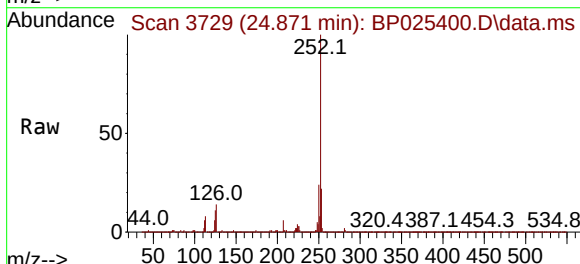
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

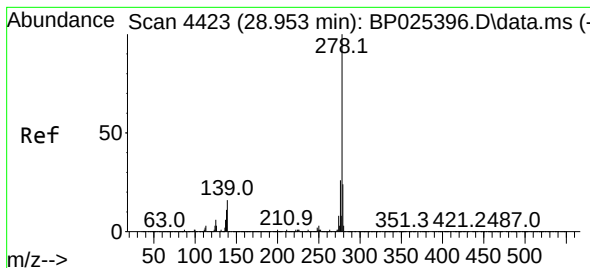
Tgt Ion:252 Resp: 2653905
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 10.4 7.8 11.6



#90
Benzo(a)pyrene
Concen: 37.160 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

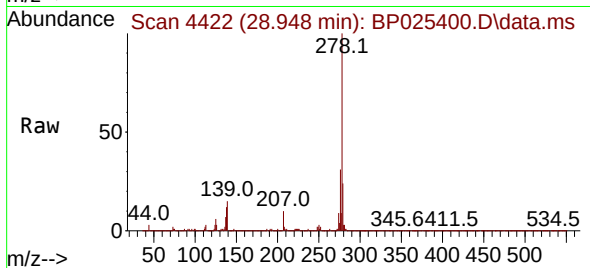
Tgt Ion:252 Resp: 2560692
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.7 8.7 13.1



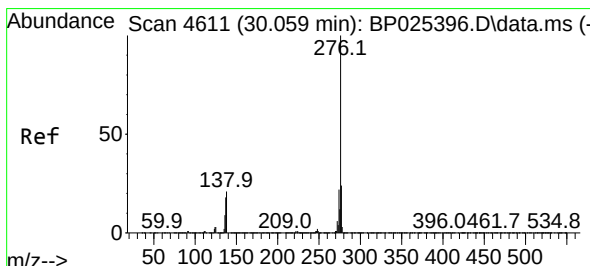
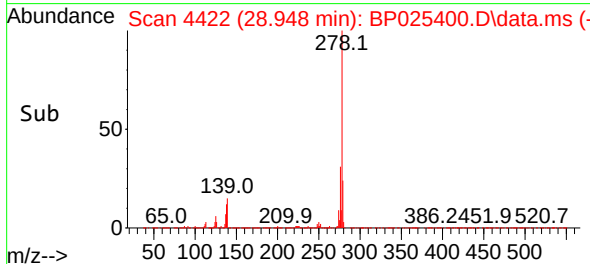
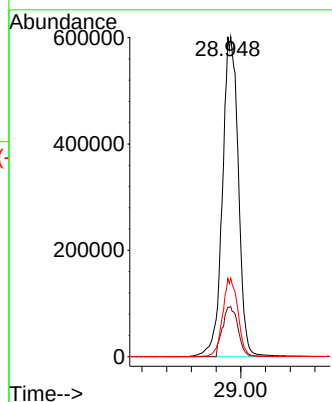


#91
Dibenzo(a,h)anthracene
Concen: 37.490 ng
RT: 28.948 min Scan# 4423
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

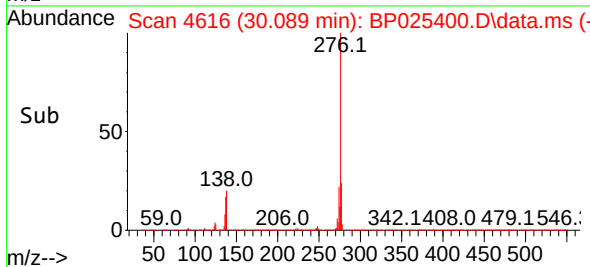
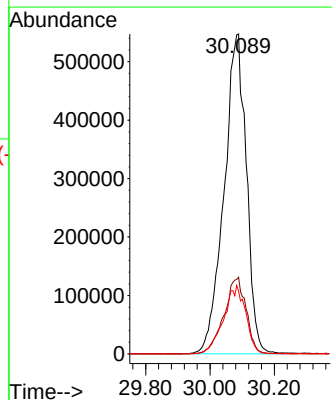
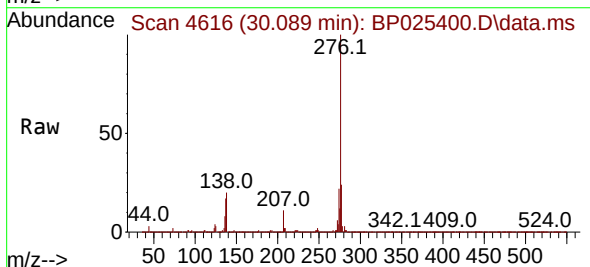


Tgt Ion:278 Resp: 2697336
Ion Ratio Lower Upper
278 100
139 15.4 13.0 19.4
279 24.4 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 37.216 ng
RT: 30.089 min Scan# 4616
Delta R.T. 0.029 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:276 Resp: 2632085
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.0
138 19.6 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025422.D
 Acq On : 15 Aug 2025 10:36
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	163210	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	699113	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	458301	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	913689	20.000	ng	0.00
76) Chrysene-d12	21.648	240	958309	20.000	ng	0.00
86) Perylene-d12	25.012	264	1096861	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	763443	77.682	ng	0.00
7) Phenol-d6	6.966	99	991544	78.694	ng	0.00
23) Nitrobenzene-d5	8.931	82	1096890	79.367	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	483517	78.381	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2530106	75.449	ng	0.00
79) Terphenyl-d14	19.918	244	3932091	75.070	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.331	88	143562	37.293	ng	98
3) Pyridine	3.725	79	405696	38.504	ng	96
4) n-Nitrosodimethylamine	3.637	42	179582	41.341	ng	98
6) Aniline	7.119	93	677656	39.917	ng	100
8) 2-Chlorophenol	7.360	128	438538	39.543	ng	98
9) Benzaldehyde	6.937	77	464483	52.616	ng	98
10) Phenol	6.990	94	518982	39.253	ng	97
11) bis(2-Chloroethyl)ether	7.213	93	406260	39.423	ng	98
12) 1,3-Dichlorobenzene	7.678	146	482648	39.468	ng	98
13) 1,4-Dichlorobenzene	7.819	146	483294	38.666	ng	98
14) 1,2-Dichlorobenzene	8.137	146	469905	38.837	ng	97
15) Benzyl Alcohol	8.019	79	402455	40.199	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	556083	40.282	ng	99
17) 2-Methylphenol	8.219	107	365027	39.752	ng	98
18) Hexachloroethane	8.860	117	181724	39.542	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	328037	39.304	ng	98
20) 3+4-Methylphenols	8.543	107	503552	39.561	ng	97
22) Acetophenone	8.595	105	680116	38.792	ng	98
24) Nitrobenzene	8.966	77	491654	39.805	ng	99
25) Isophorone	9.495	82	938896	38.387	ng	99
26) 2-Nitrophenol	9.672	139	250121	39.458	ng	98
27) 2,4-Dimethylphenol	9.737	122	425335	39.018	ng	98
28) bis(2-Chloroethoxy)met...	9.960	93	565633	38.258	ng	98
29) 2,4-Dichlorophenol	10.207	162	419343	38.724	ng	100
30) 1,2,4-Trichlorobenzene	10.419	180	450156	37.921	ng	98
31) Naphthalene	10.607	128	1392577	38.324	ng	100
32) Benzoic acid	9.872	122	303683	37.734	ng	94
33) 4-Chloroaniline	10.707	127	628608	39.164	ng	100
34) Hexachlorobutadiene	10.895	225	285751	38.652	ng	97
35) Caprolactam	11.489	113	150695	37.951	ng	96
36) 4-Chloro-3-methylphenol	11.825	107	482622	38.840	ng	98
37) 2-Methylnaphthalene	12.213	142	903084	38.190	ng	98
38) 1-Methylnaphthalene	12.431	142	941493	37.439	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	512464	38.717	ng	100
41) Hexachlorocyclopentadiene	12.566	237	322360	40.319	ng	98
43) 2,4,6-Trichlorophenol	12.819	196	351101	39.291	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025422.D
 Acq On : 15 Aug 2025 10:36
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

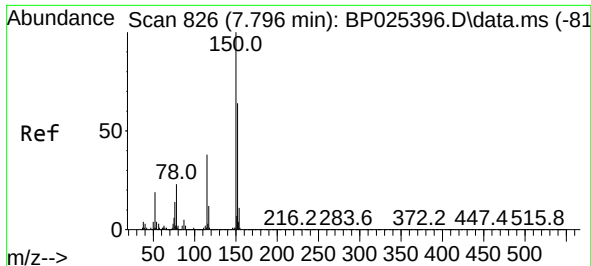
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	388369	39.656	ng	99
46) 1,1'-Biphenyl	13.225	154	1287182	38.672	ng	99
47) 2-Chloronaphthalene	13.266	162	1004850	38.780	ng	100
48) 2-Nitroaniline	13.466	65	308875	40.910	ng	98
49) Acenaphthylene	14.125	152	1648885	38.457	ng	100
50) Dimethylphthalate	13.854	163	1276659	38.040	ng	99
51) 2,6-Dinitrotoluene	13.966	165	287385	40.628	ng	98
52) Acenaphthene	14.472	154	1033308	41.057	ng	99
53) 3-Nitroaniline	14.295	138	318681	40.043	ng	95
54) 2,4-Dinitrophenol	14.507	184	150322	39.794	ng	96
55) Dibenzofuran	14.813	168	1491927	37.495	ng	100
56) 4-Nitrophenol	14.607	139	260098	39.771	ng	93
57) 2,4-Dinitrotoluene	14.766	165	408919	40.518	ng	95
58) Fluorene	15.472	166	1165482	37.121	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.036	232	345273	39.927	ng	99
60) Diethylphthalate	15.236	149	1297841	38.058	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	575339	36.845	ng	95
62) 4-Nitroaniline	15.483	138	321438	39.397	ng	96
63) Azobenzene	15.760	77	1147009	39.282	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	223566	39.253	ng	96
66) n-Nitrosodiphenylamine	15.672	169	1073233	38.519	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	383814	38.195	ng	97
68) Hexachlorobenzene	16.495	284	442250	37.966	ng	98
69) Atrazine	16.654	200	395168	37.872	ng	98
70) Pentachlorophenol	16.842	266	299142	40.681	ng	96
71) Phenanthrene	17.248	178	1900372	37.862	ng	100
72) Anthracene	17.336	178	1953735	38.117	ng	99
73) Carbazole	17.613	167	1812820	37.549	ng	98
74) Di-n-butylphthalate	18.207	149	2277638	38.345	ng	100
75) Fluoranthene	19.324	202	2258336	37.721	ng	99
77) Benzidine	19.513	184	1861268	56.911	ng	99
78) Pyrene	19.701	202	2359709	37.884	ng	99
80) Butylbenzylphthalate	20.654	149	1064206	37.699	ng	96
81) Benzo(a)anthracene	21.630	228	2390024	37.816	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	906596	38.057	ng	99
83) Chrysene	21.695	228	2241792	37.876	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1539693	37.052	ng	100
85) Di-n-octyl phthalate	22.859	149	2645927	37.018	ng	99
87) Indeno(1,2,3-cd)pyrene	28.865	276	3143696	39.082	ng	98
88) Benzo(b)fluoranthene	23.942	252	2512340	38.843	ng	99
89) Benzo(k)fluoranthene	24.012	252	2488345	38.446	ng	99
90) Benzo(a)pyrene	24.853	252	2443181	38.805	ng	99
91) Dibenzo(a,h)anthracene	28.930	278	2595384	39.482	ng	98
92) Benzo(g,h,i)perylene	30.012	276	2536518	39.255	ng	100

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

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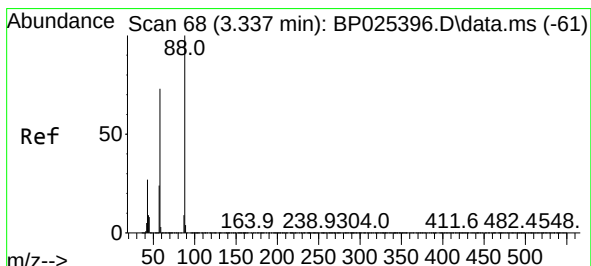
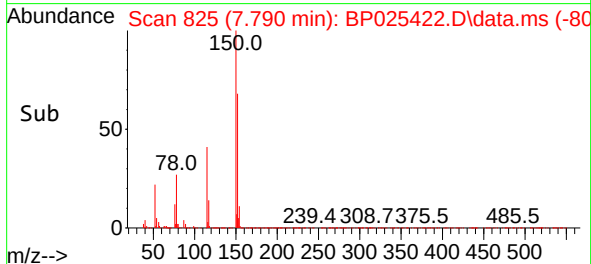
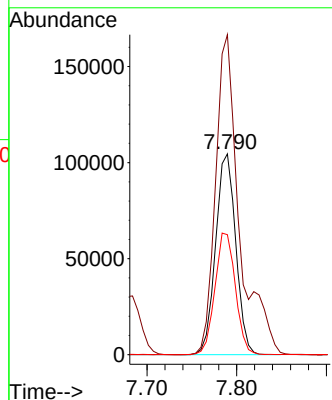
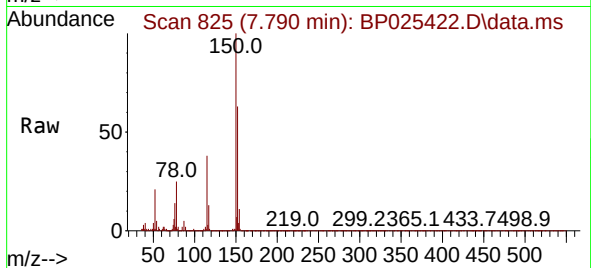




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

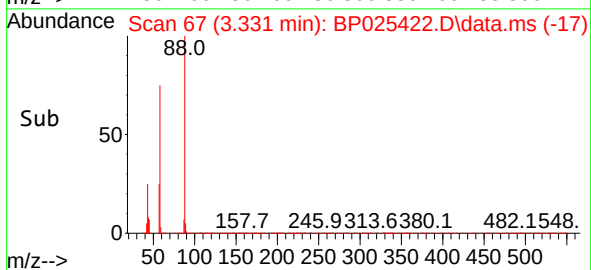
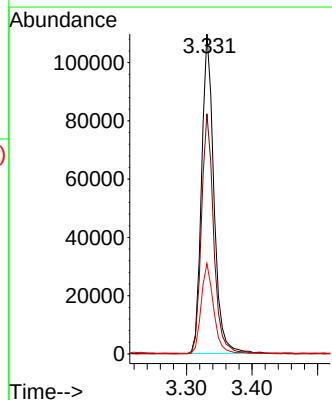
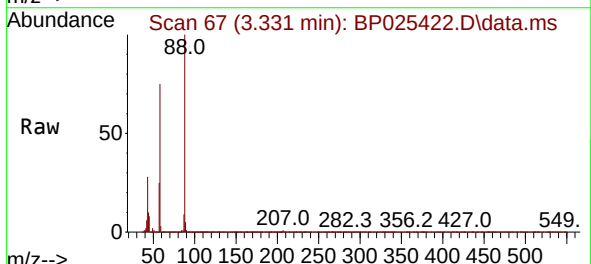
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

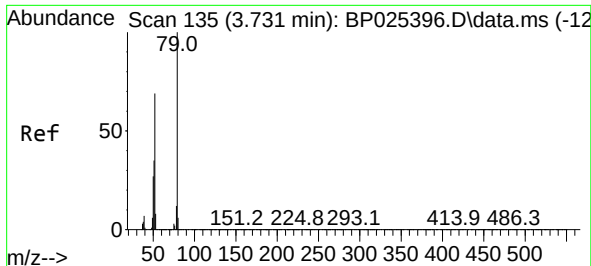
Tgt Ion:152 Resp: 163210
Ion Ratio Lower Upper
152 100
150 159.4 125.9 188.9
115 59.8 48.5 72.7



#2
1,4-Dioxane
Concen: 37.293 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 88 Resp: 143562
Ion Ratio Lower Upper
88 100
58 75.3 59.2 88.8
43 28.6 21.7 32.5

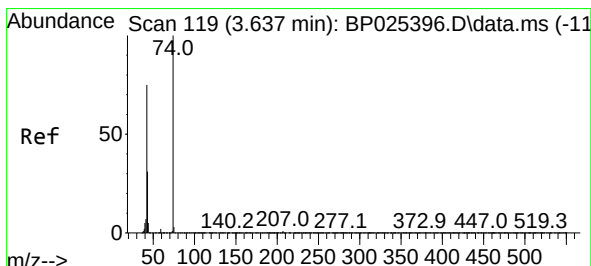
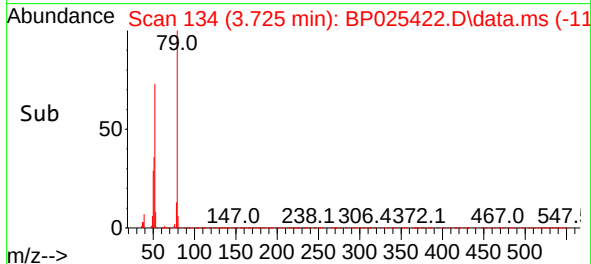
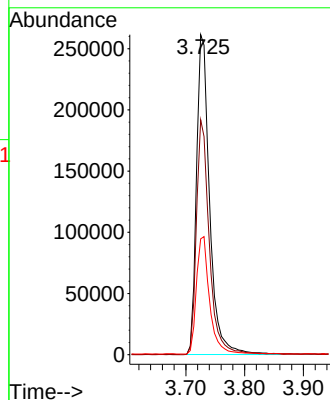
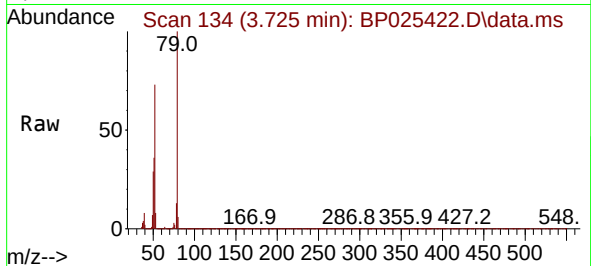




#3
Pyridine
Concen: 38.504 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

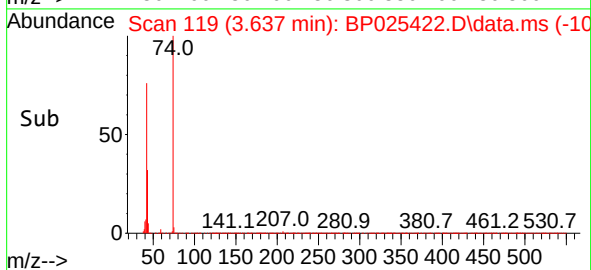
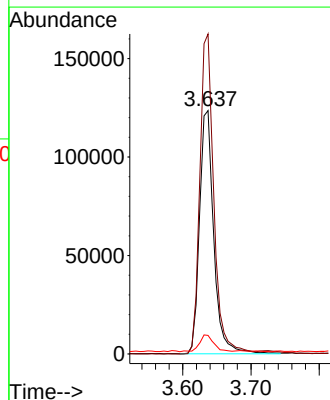
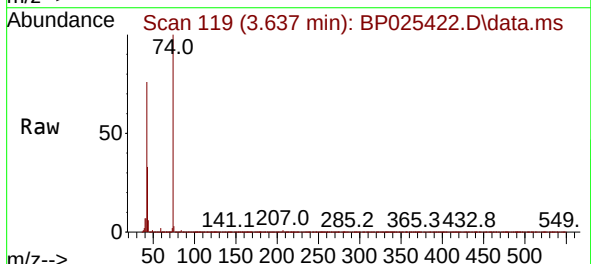
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

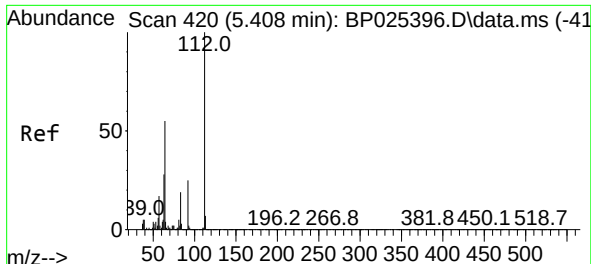
Tgt Ion: 79 Resp: 405696
Ion Ratio Lower Upper
79 100
52 73.4 55.5 83.3
51 36.2 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 41.341 ng
RT: 3.637 min Scan# 119
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 42 Resp: 179582
Ion Ratio Lower Upper
42 100
74 131.5 107.0 160.4
44 7.6 6.2 9.4

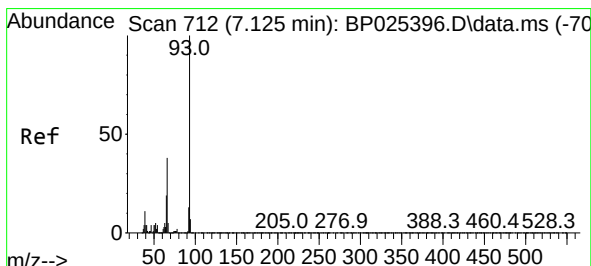
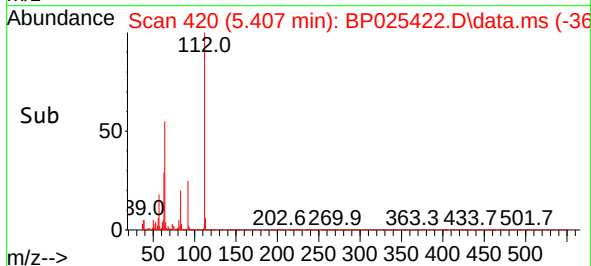
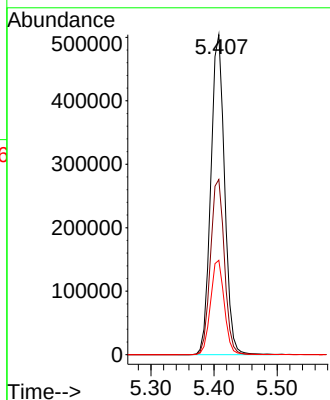
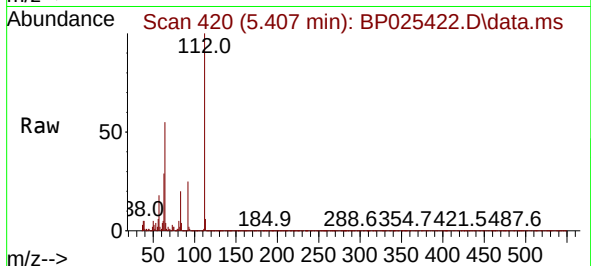




#5
2-Fluorophenol
Concen: 77.682 ng
RT: 5.407 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

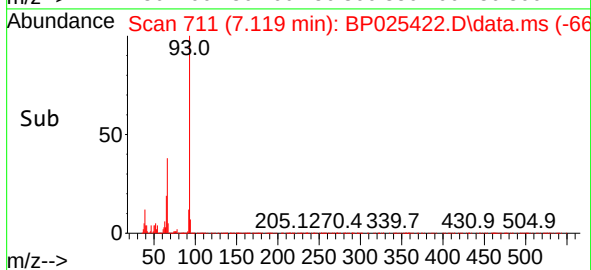
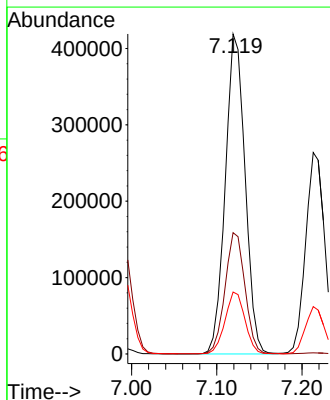
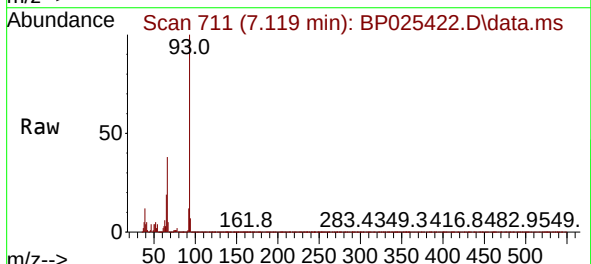
Instrument :
BNA_P
ClientSampleId :
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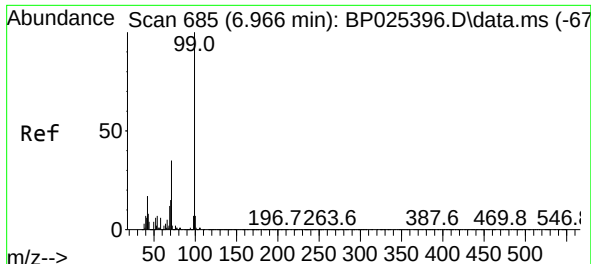
Tgt Ion:112 Resp: 763443
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 29.5 22.7 34.1



#6
Aniline
Concen: 39.917 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 93 Resp: 677656
Ion Ratio Lower Upper
93 100
66 37.9 30.4 45.6
65 19.4 15.3 22.9

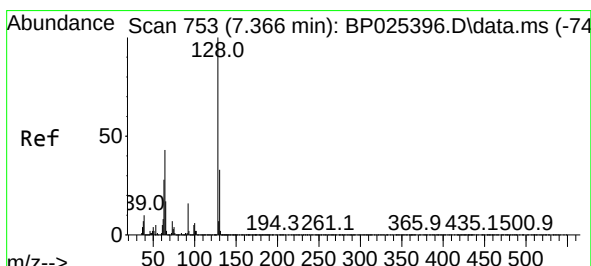
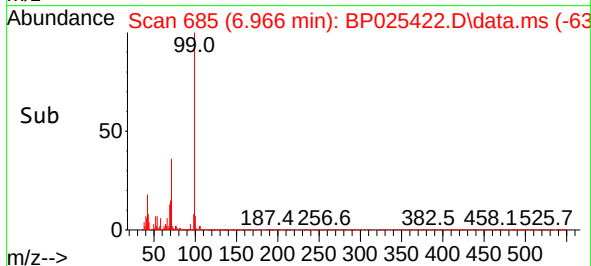
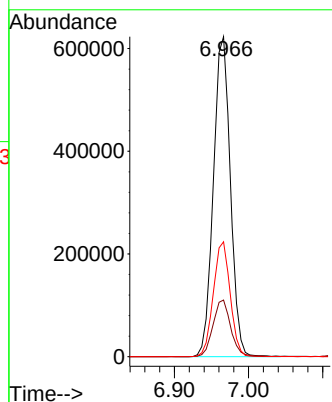
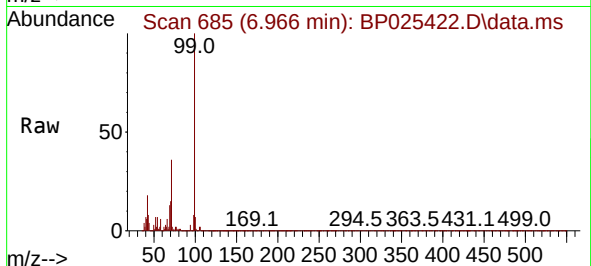




#7
Phenol-d6
Concen: 78.694 ng
RT: 6.966 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

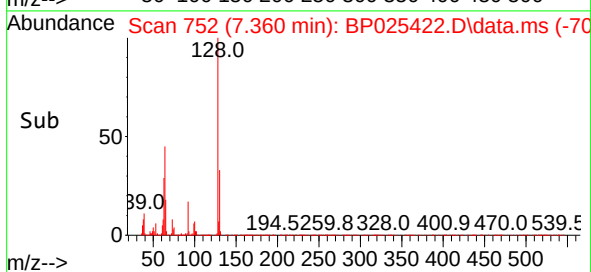
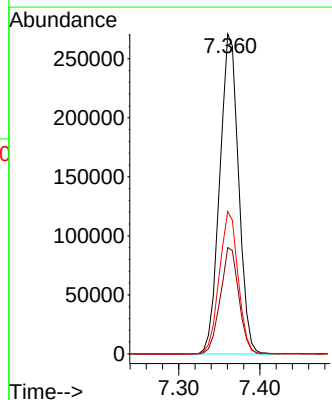
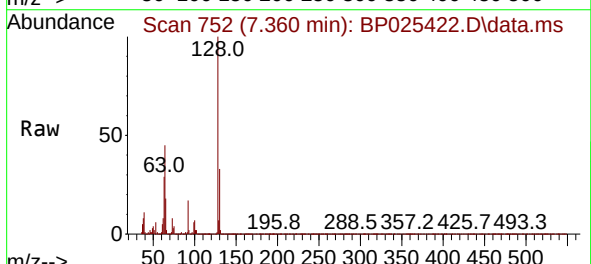
Instrument :
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ClientSampleId :
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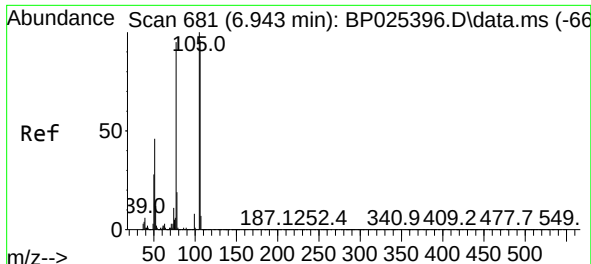
Tgt Ion: 99 Resp: 991544
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 35.9 28.2 42.4



#8
2-Chlorophenol
Concen: 39.543 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 128 Resp: 438538
Ion Ratio Lower Upper
128 100
130 33.3 12.6 52.6
64 44.6 23.4 63.4

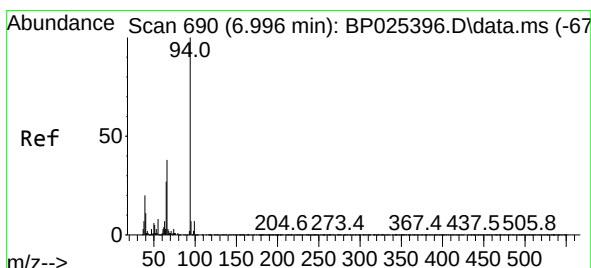
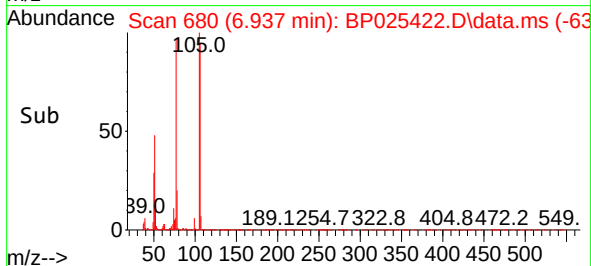
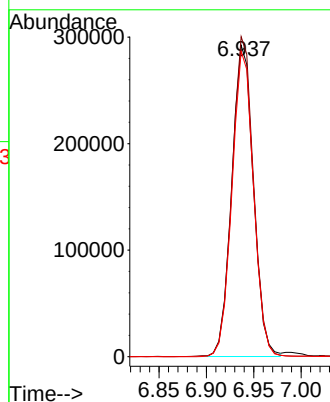
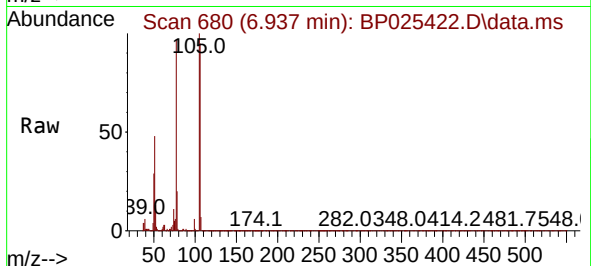




#9
Benzaldehyde
Concen: 52.616 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

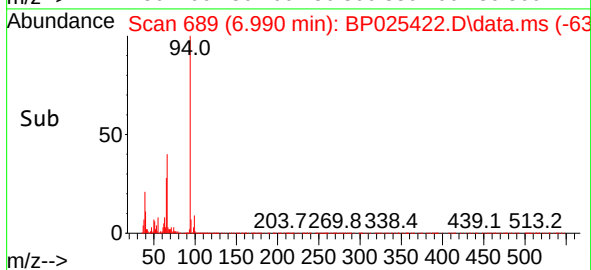
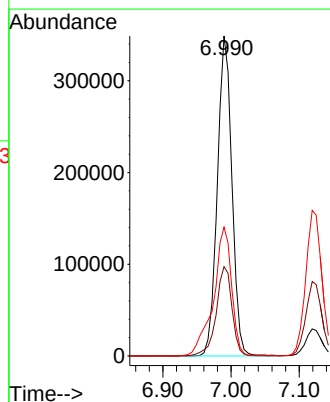
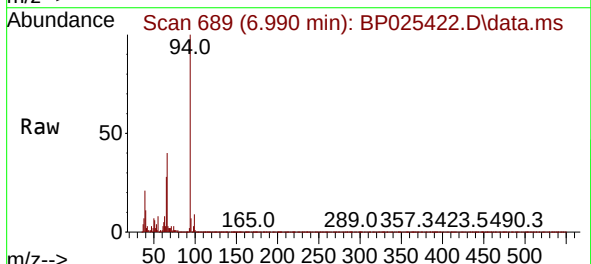
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

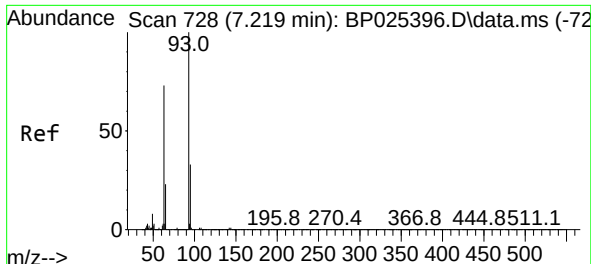
Tgt Ion: 77 Resp: 464483
Ion Ratio Lower Upper
77 100
105 102.8 84.8 124.8
106 98.0 80.5 120.5



#10
Phenol
Concen: 39.253 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 94 Resp: 518982
Ion Ratio Lower Upper
94 100
65 27.9 6.8 46.8
66 40.2 18.2 58.2

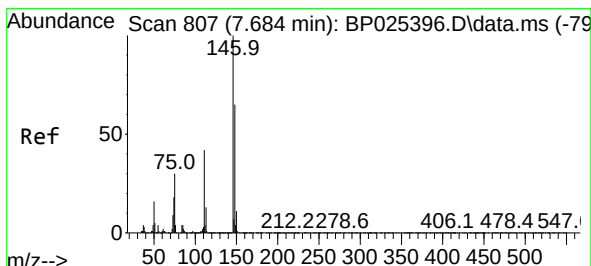
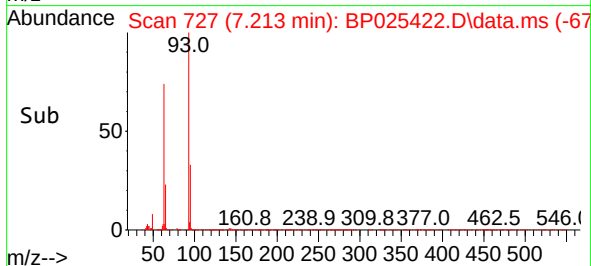
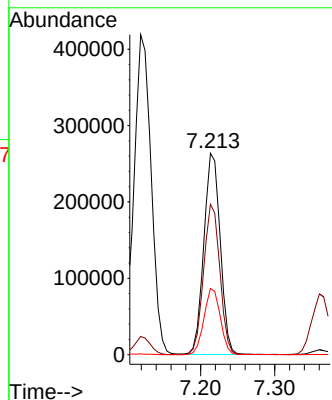
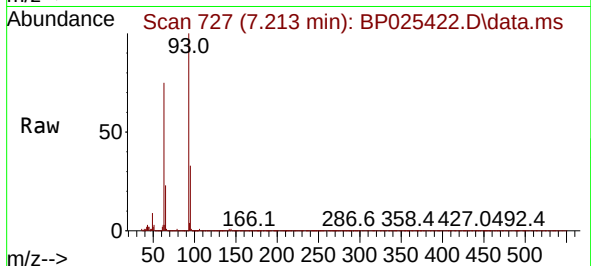




#11
 bis(2-Chloroethyl)ether
 Concen: 39.423 ng
 RT: 7.213 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

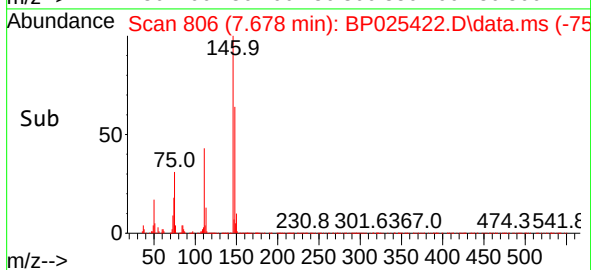
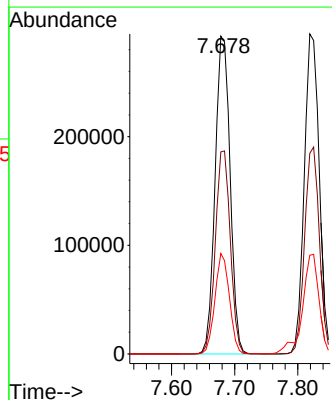
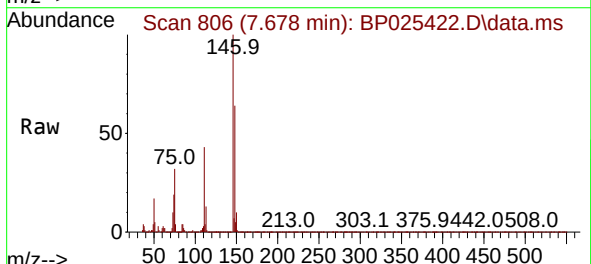
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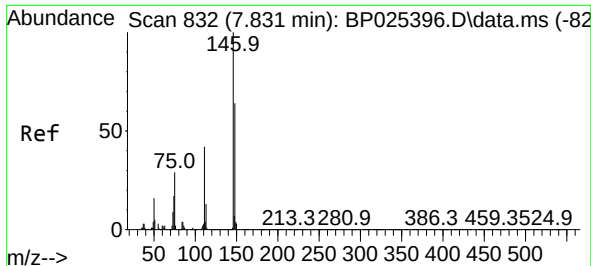
Tgt Ion: 93 Resp: 406260
 Ion Ratio Lower Upper
 93 100
 63 74.7 52.6 92.6
 95 32.9 12.7 52.7



#12
 1,3-Dichlorobenzene
 Concen: 39.468 ng
 RT: 7.678 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Tgt Ion: 146 Resp: 482648
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.9 77.9
 75 31.6 23.7 35.5

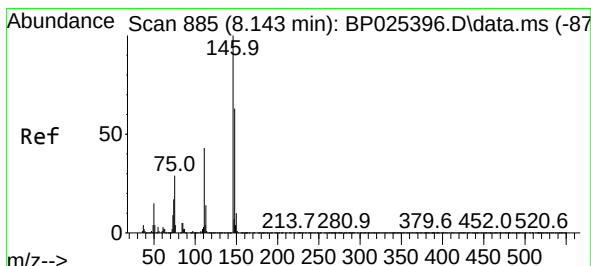
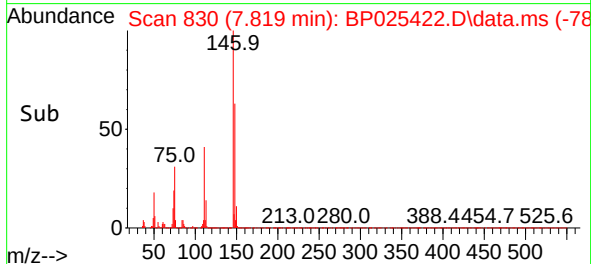
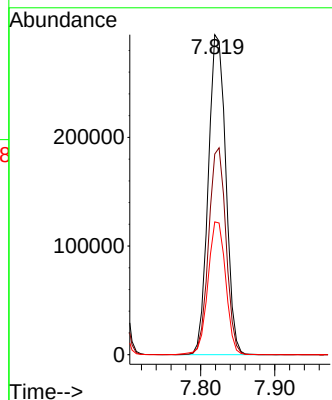
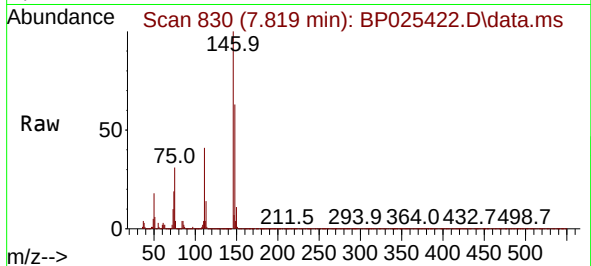




#13
1,4-Dichlorobenzene
Concen: 38.666 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

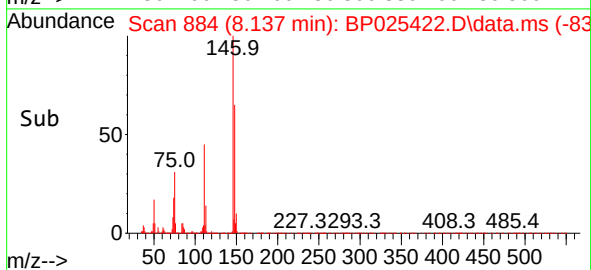
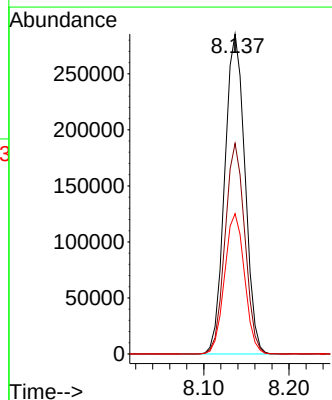
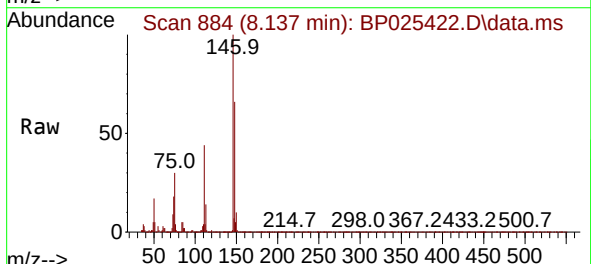
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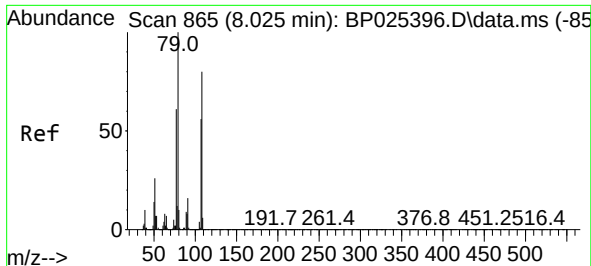
Tgt Ion:146 Resp: 483294
Ion Ratio Lower Upper
146 100
148 62.7 51.6 77.4
111 41.5 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 38.837 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:146 Resp: 469905
Ion Ratio Lower Upper
146 100
148 65.8 50.4 75.6
111 43.8 34.5 51.7

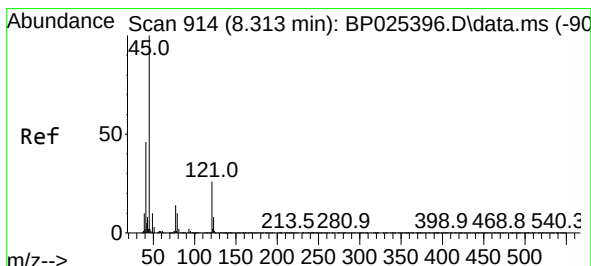
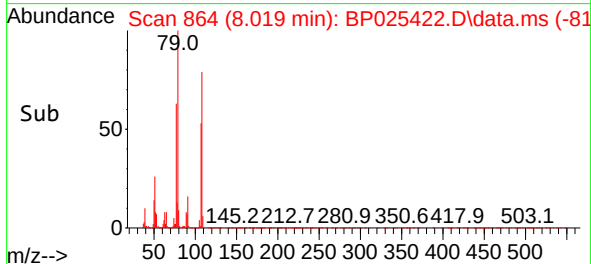
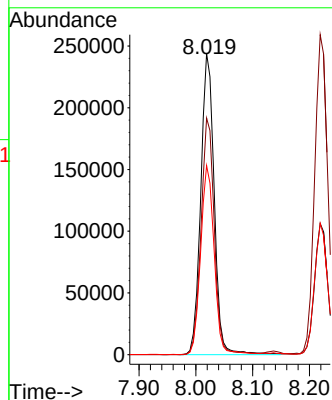
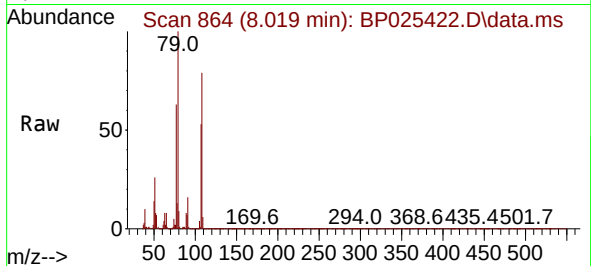




#15
Benzyl Alcohol
Concen: 40.199 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

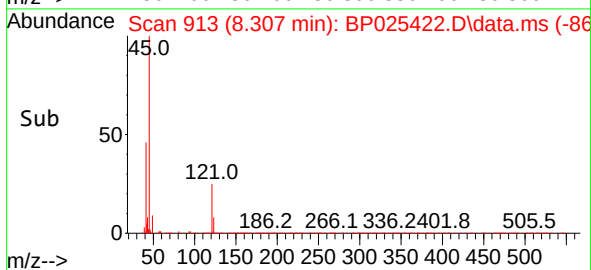
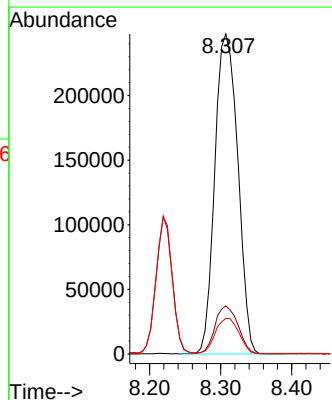
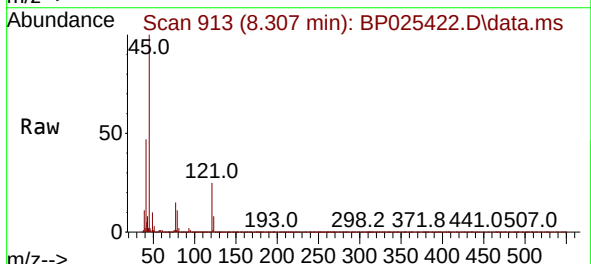
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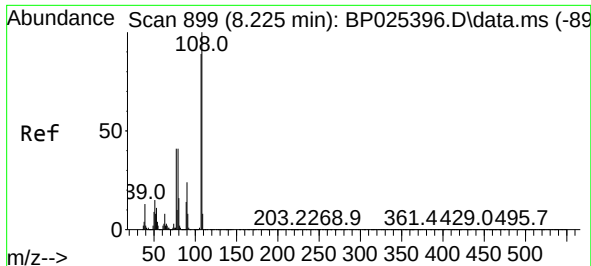
Tgt Ion: 79 Resp: 402455
Ion Ratio Lower Upper
79 100
108 78.5 63.8 95.6
77 62.8 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.282 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

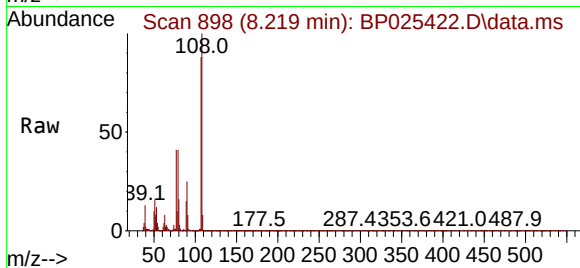
Tgt Ion: 45 Resp: 556083
Ion Ratio Lower Upper
45 100
77 15.1 0.0 35.3
79 11.1 0.0 31.8



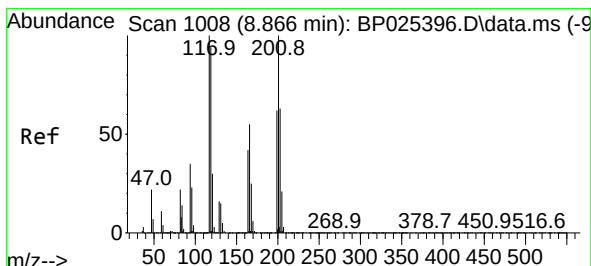
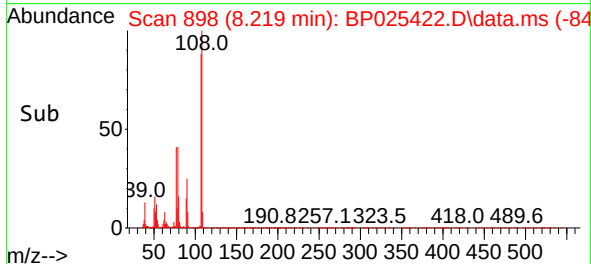
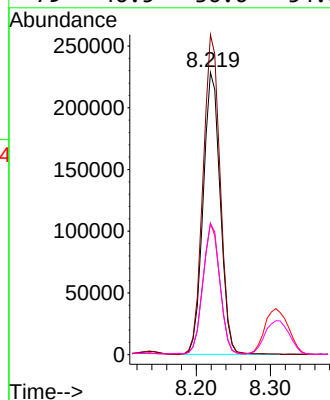


#17
2-Methylphenol
Concen: 39.752 ng
RT: 8.219 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

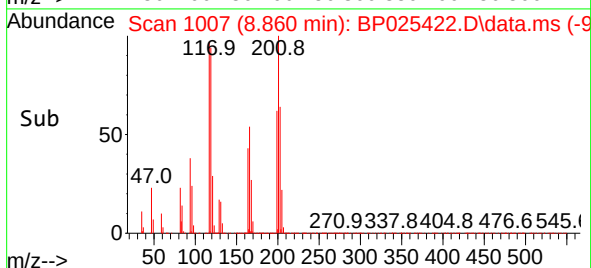
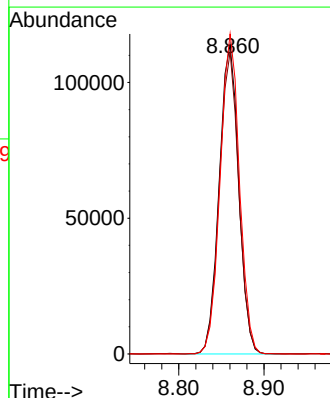
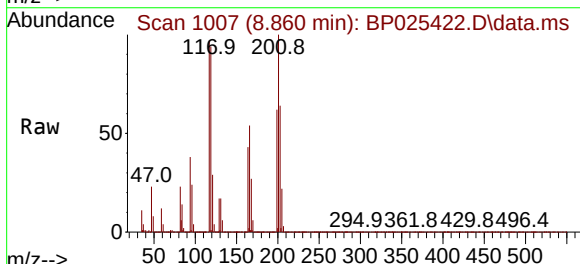


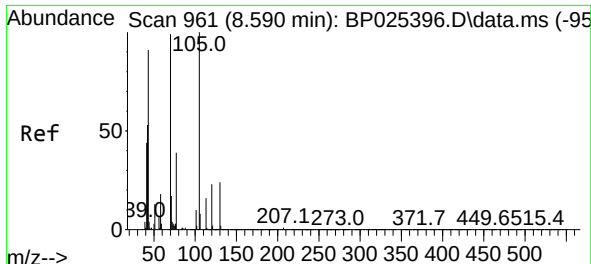
Tgt Ion:	107	Resp:	365027
Ion	Ratio	Lower	Upper
107	100		
108	113.4	89.4	134.0
77	46.5	36.3	54.5
79	46.5	36.6	54.8



#18
Hexachloroethane
Concen: 39.542 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

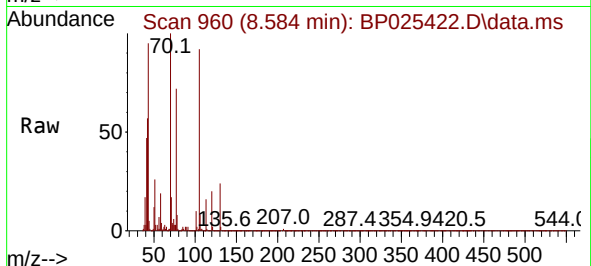
Tgt Ion:	117	Resp:	181724
Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.1	112.7
201	103.5	80.1	120.1





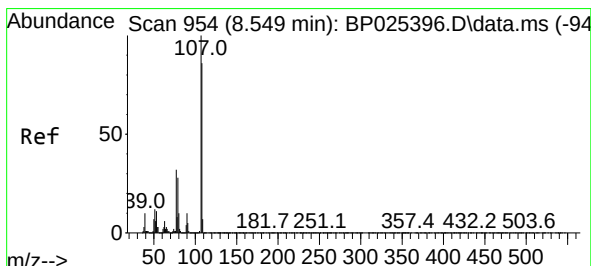
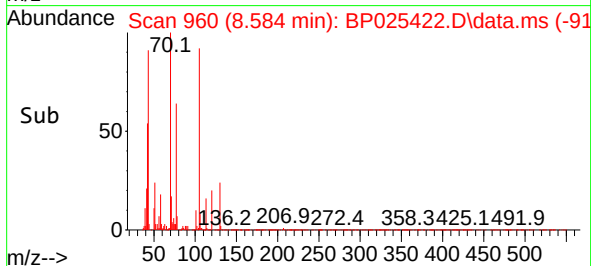
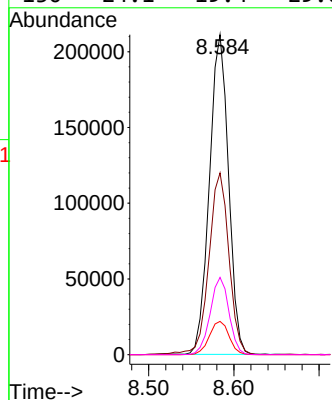
#19
n-Nitroso-di-n-propylamine
Concen: 39.304 ng
RT: 8.584 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 70 Resp: 328037

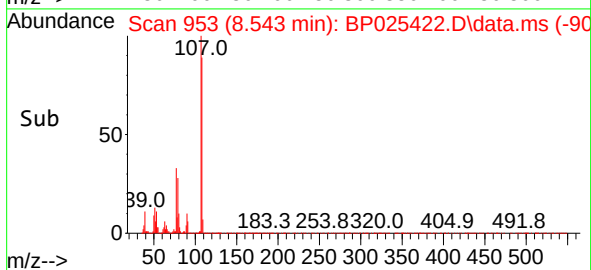
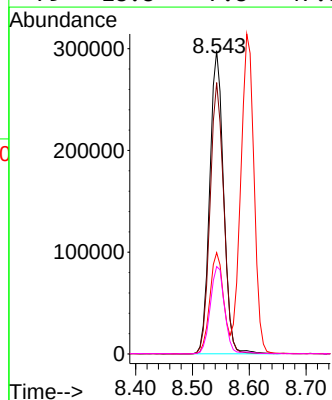
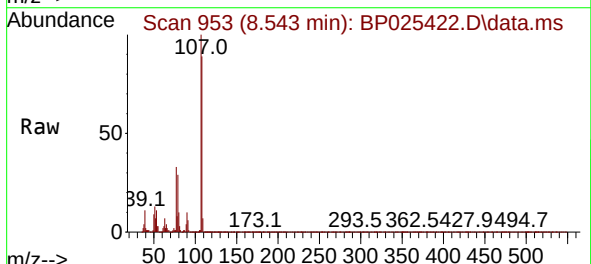
Ion	Ratio	Lower	Upper
70	100		
42	56.8	43.8	65.6
101	10.4	8.5	12.7
130	24.1	19.4	29.0

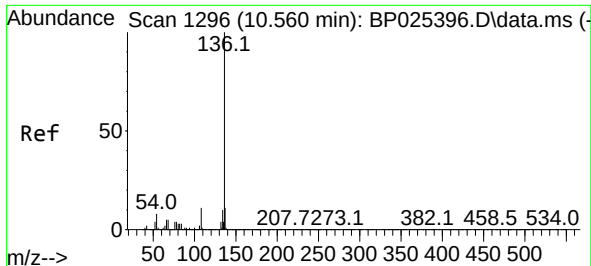


#20
3+4-Methylphenols
Concen: 39.561 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 107 Resp: 503552

Ion	Ratio	Lower	Upper
107	100		
108	89.5	66.3	106.3
77	33.4	12.3	52.3
79	28.8	7.8	47.8

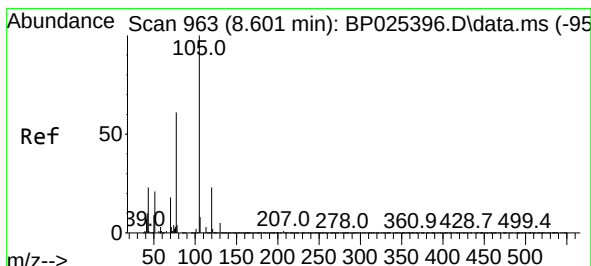
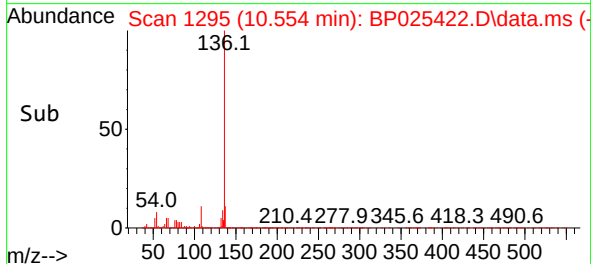
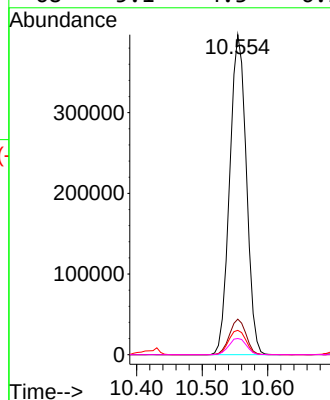
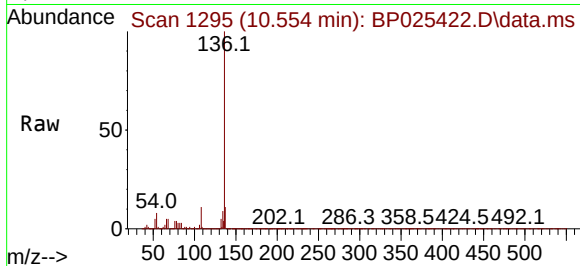




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

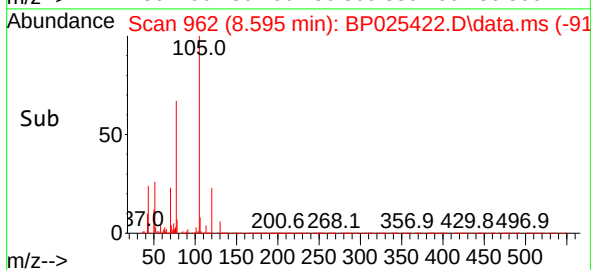
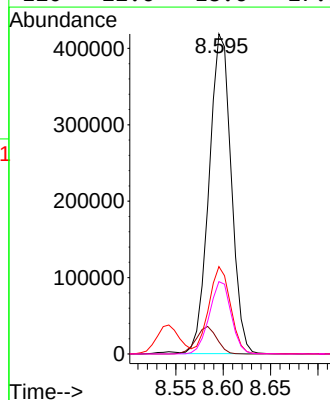
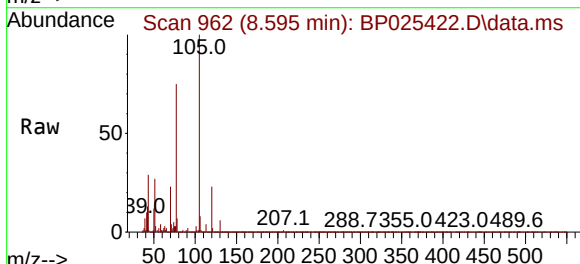
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

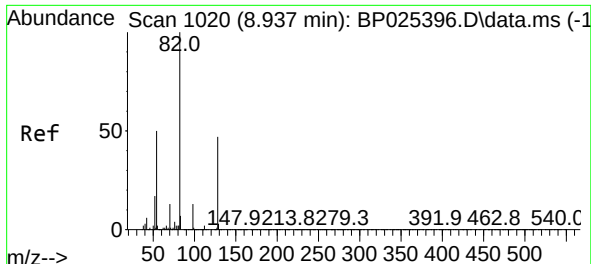
Tgt Ion:	136	Resp:	699113
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5



#22
Acetophenone
Concen: 38.792 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:	105	Resp:	680116
Ion	Ratio	Lower	Upper
105	100		
71	3.8	2.6	4.0
51	27.3	20.6	30.8
120	22.6	18.6	27.8

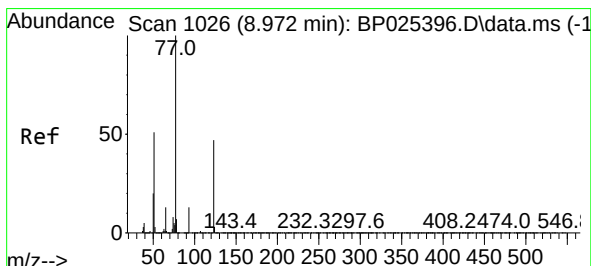
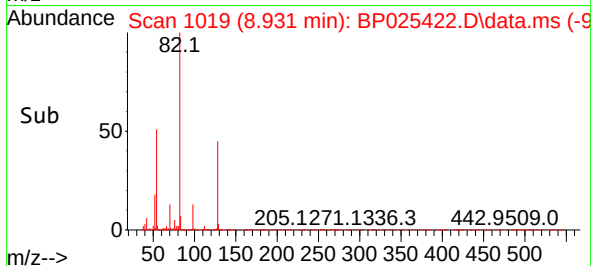
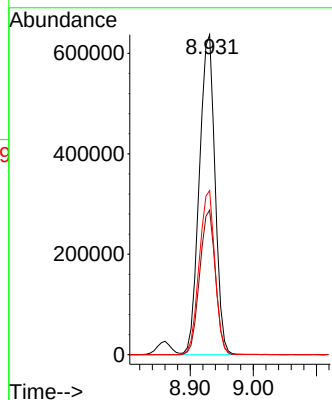
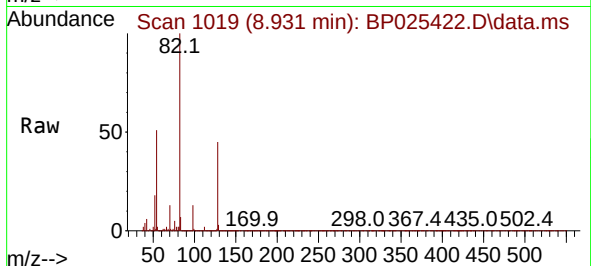




#23
Nitrobenzene-d5
Concen: 79.367 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

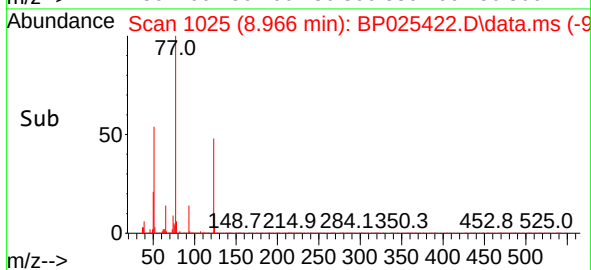
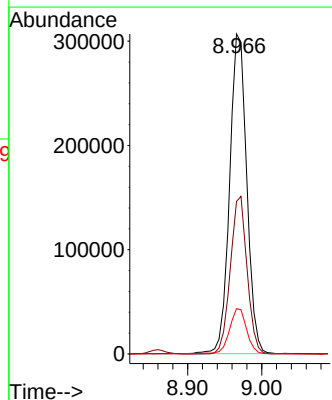
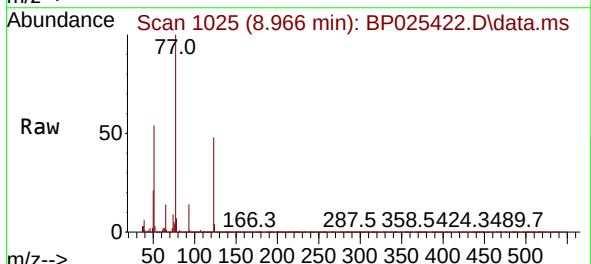
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

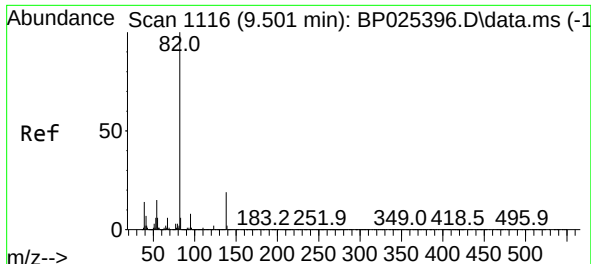
Tgt Ion: 82 Resp: 1096890
Ion Ratio Lower Upper
82 100
128 45.1 37.7 56.5
54 51.3 39.8 59.6



#24
Nitrobenzene
Concen: 39.805 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 77 Resp: 491654
Ion Ratio Lower Upper
77 100
123 47.7 38.6 58.0
65 14.2 10.6 15.8

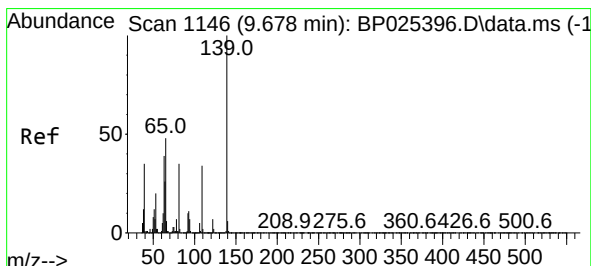
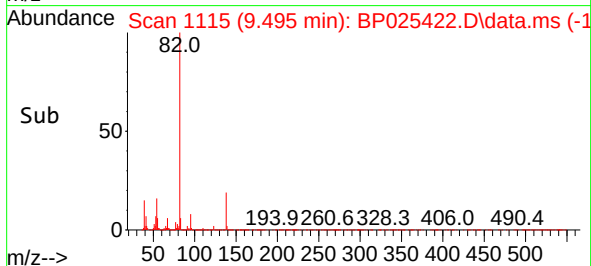
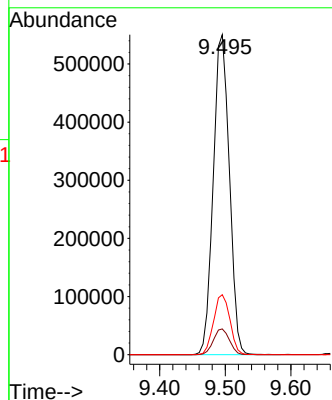
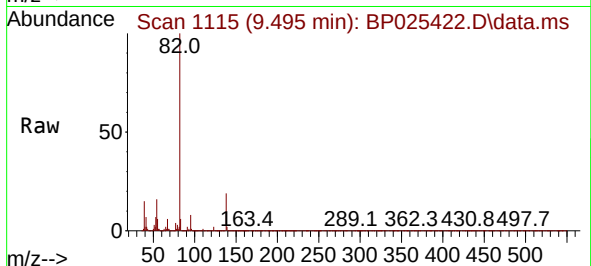




#25
Isophorone
Concen: 38.387 ng
RT: 9.495 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

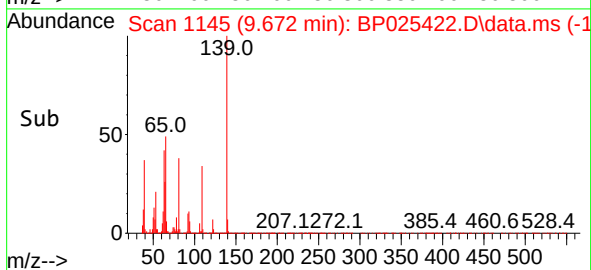
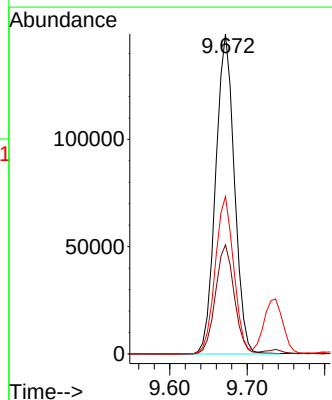
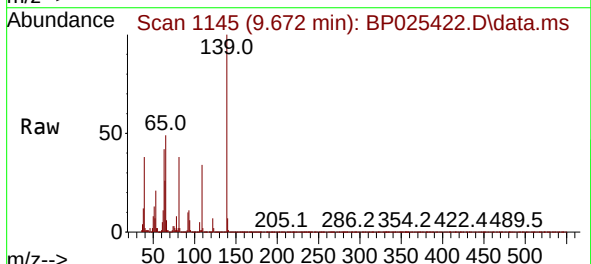
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

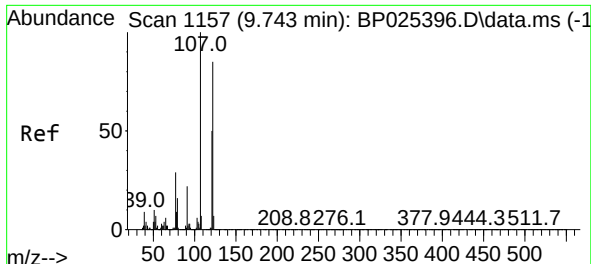
Tgt Ion: 82 Resp: 938896
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 18.8 15.4 23.0



#26
2-Nitrophenol
Concen: 39.458 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 139 Resp: 250121
Ion Ratio Lower Upper
139 100
109 34.1 26.9 40.3
65 49.2 38.3 57.5

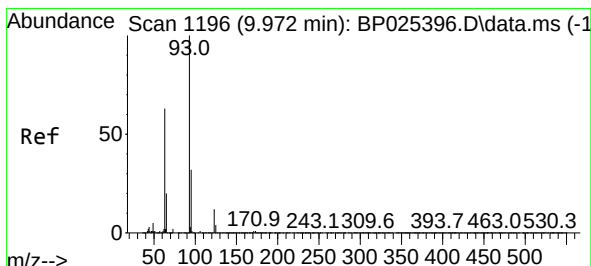
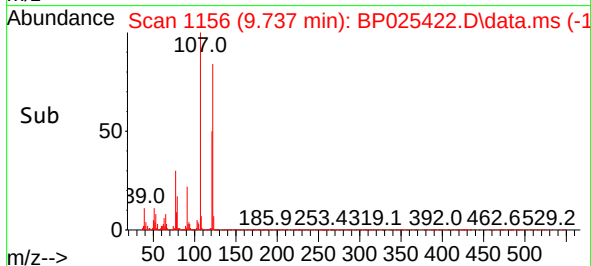
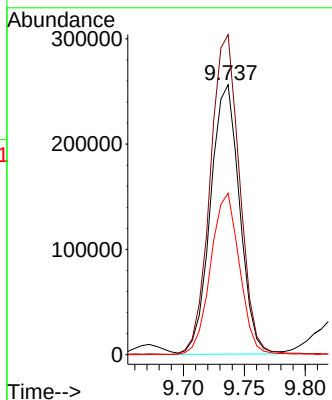
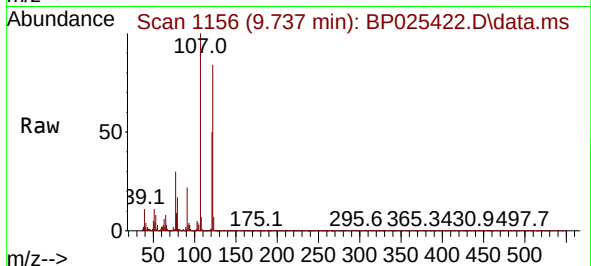




#27
2,4-Dimethylphenol
Concen: 39.018 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

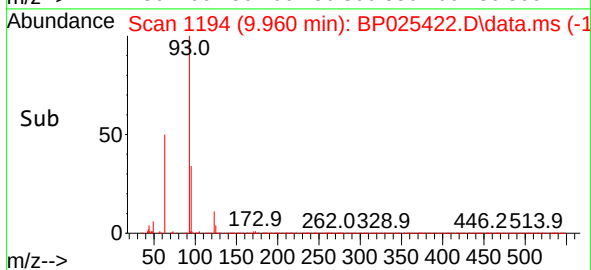
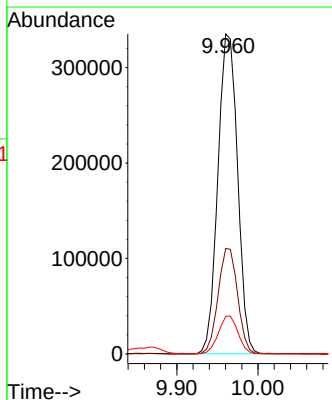
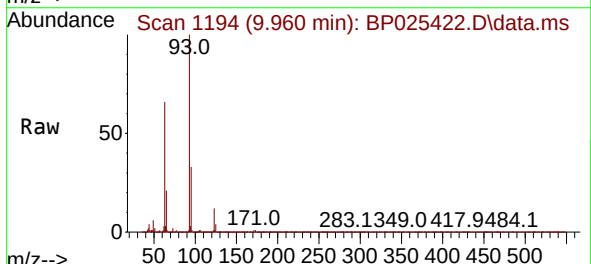
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

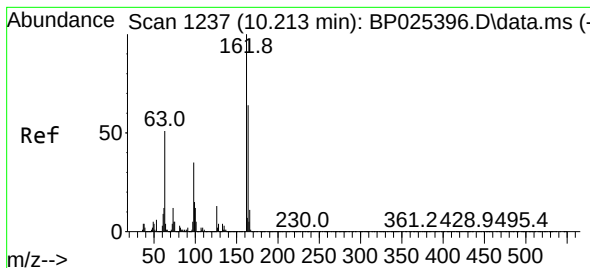
Tgt Ion:122 Resp: 425335
Ion Ratio Lower Upper
122 100
107 118.5 93.7 140.5
121 59.8 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 38.258 ng
RT: 9.960 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 93 Resp: 565633
Ion Ratio Lower Upper
93 100
95 33.0 25.4 38.0
123 11.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 38.724 ng

RT: 10.207 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

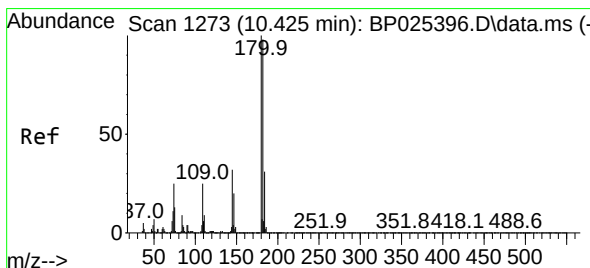
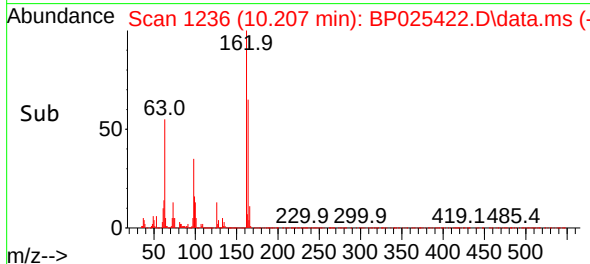
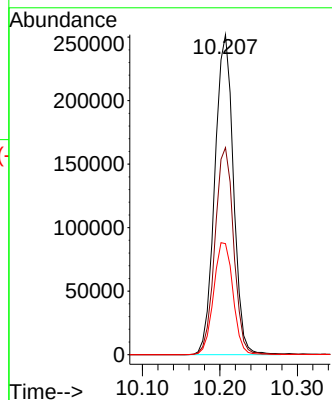
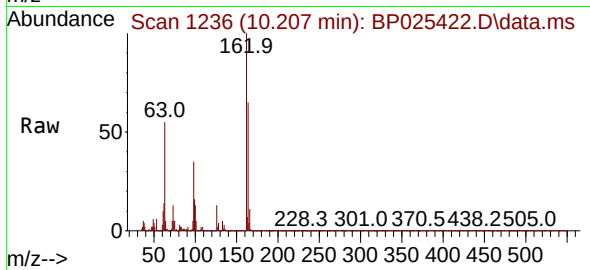
Tgt Ion:162 Resp: 419343

Ion Ratio Lower Upper

162 100

164 64.7 44.4 84.4

98 34.7 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 37.921 ng

RT: 10.419 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

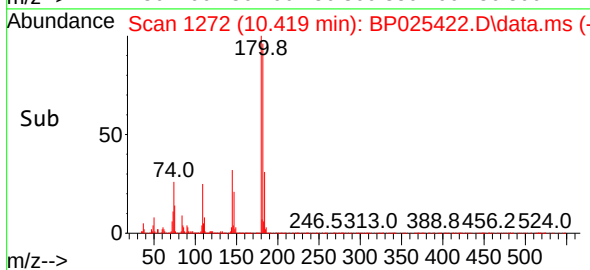
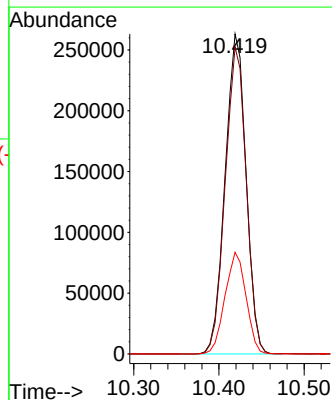
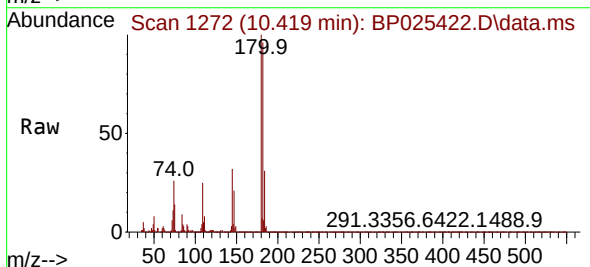
Tgt Ion:180 Resp: 450156

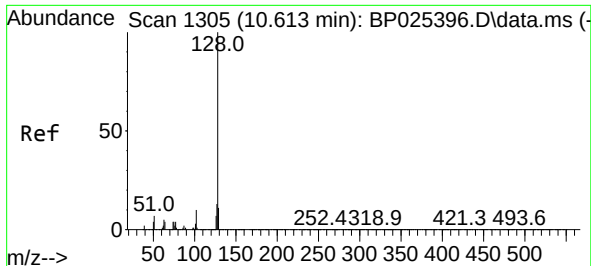
Ion Ratio Lower Upper

180 100

182 95.9 78.0 117.0

145 31.8 25.9 38.9

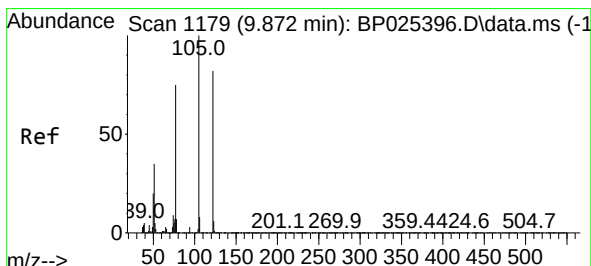
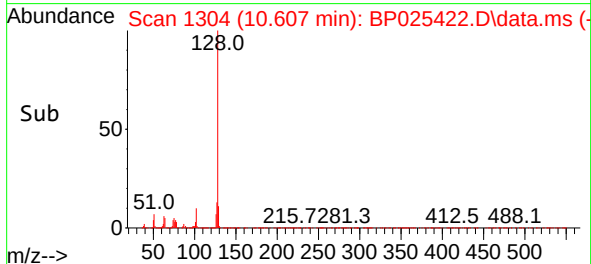
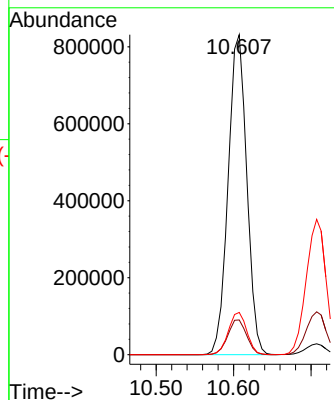
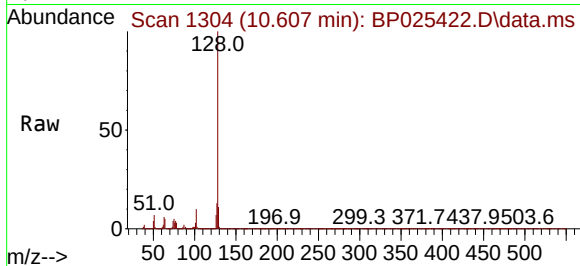




#31
Naphthalene
Concen: 38.324 ng
RT: 10.607 min Scan# 111
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

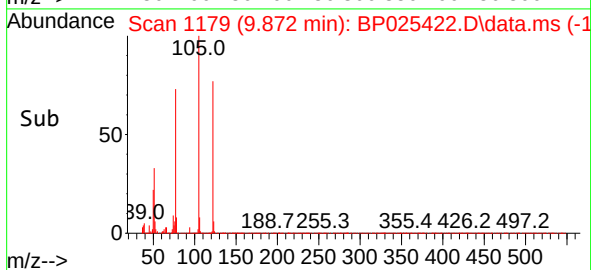
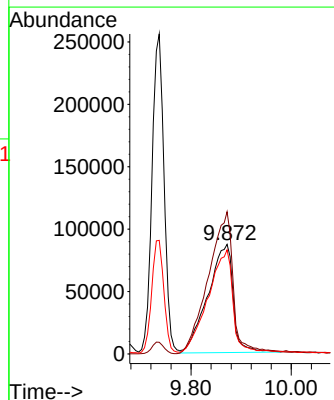
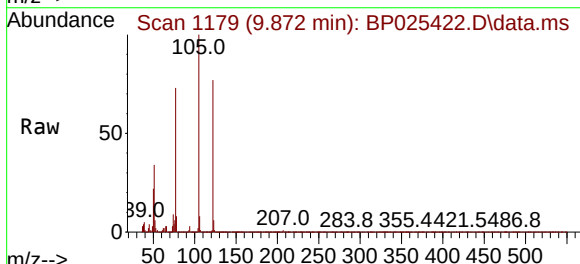
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

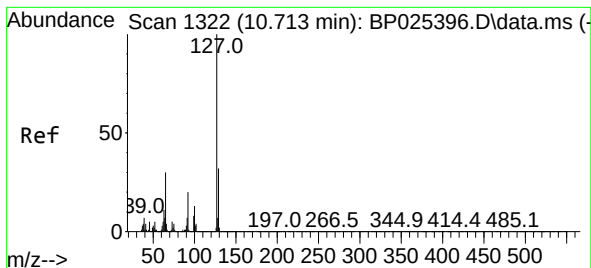
Tgt Ion:128 Resp: 1392577
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 37.734 ng
RT: 9.872 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:122 Resp: 303683
Ion Ratio Lower Upper
122 100
105 129.8 100.6 140.6
77 95.1 71.5 111.5

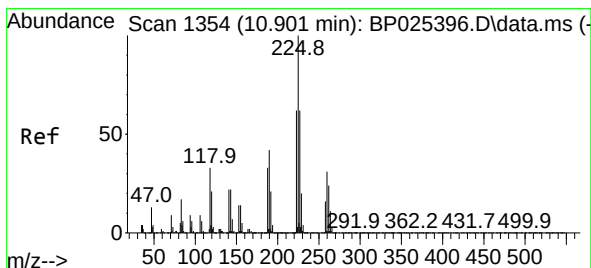
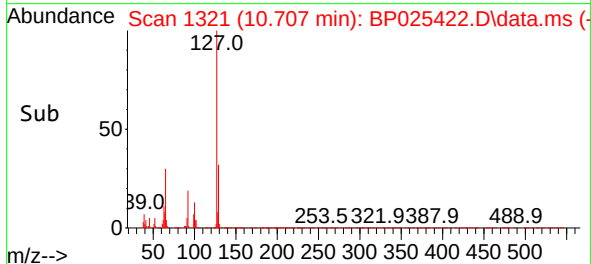
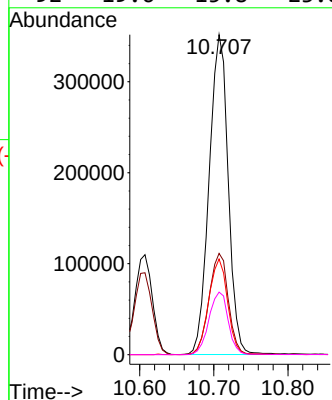
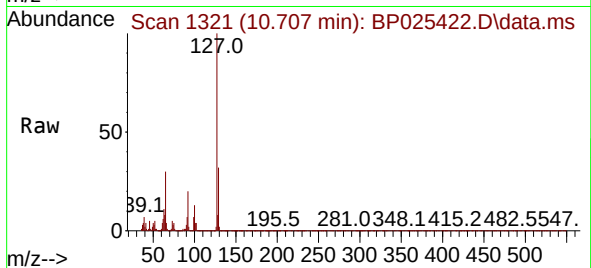




#33
4-Chloroaniline
Concen: 39.164 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

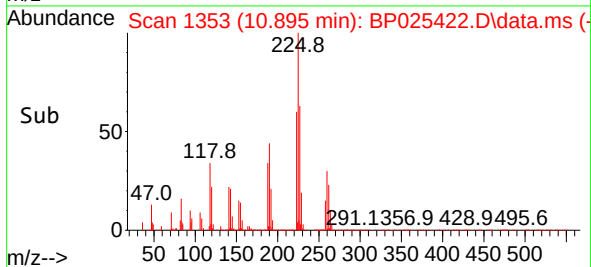
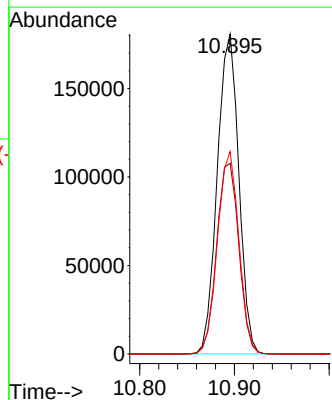
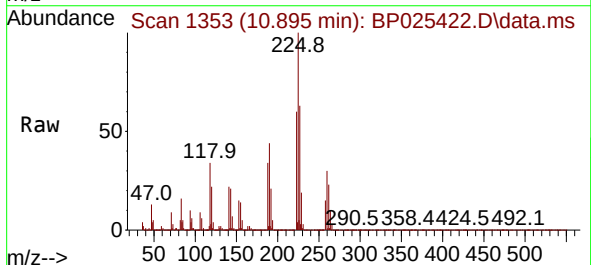
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

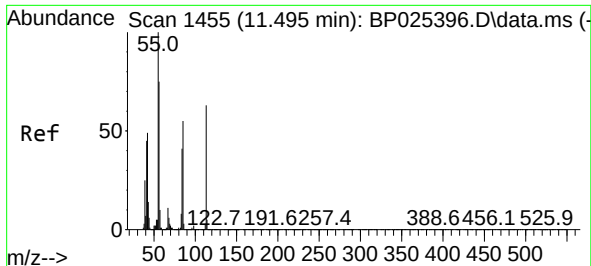
Tgt Ion:	127	Resp:	628608
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	29.9	23.8	35.6
92	19.6	15.8	23.8



#34
Hexachlorobutadiene
Concen: 38.652 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:	225	Resp:	285751
Ion	Ratio	Lower	Upper
225	100		
223	59.6	50.0	75.0
227	63.3	49.7	74.5

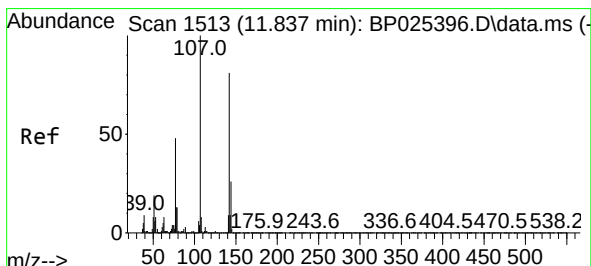
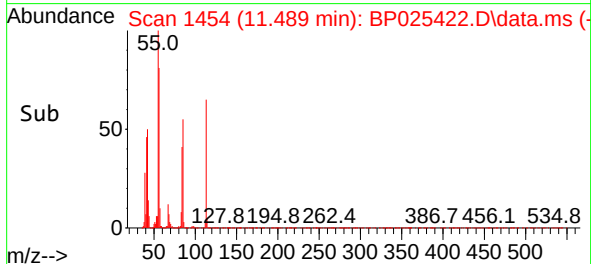
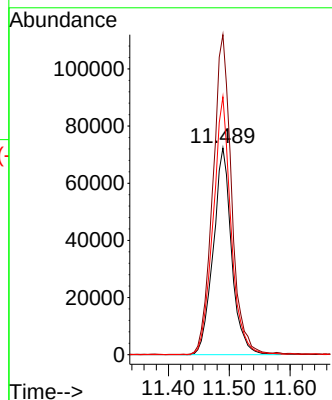
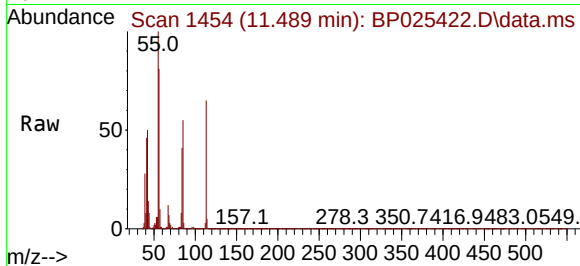




#35
Caprolactam
Concen: 37.951 ng
RT: 11.489 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

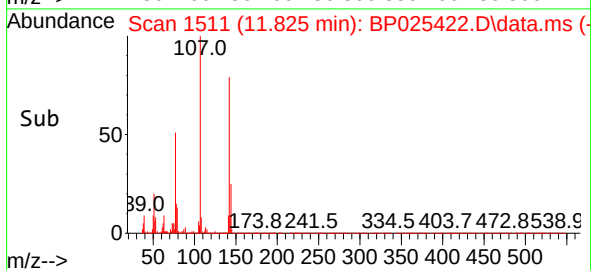
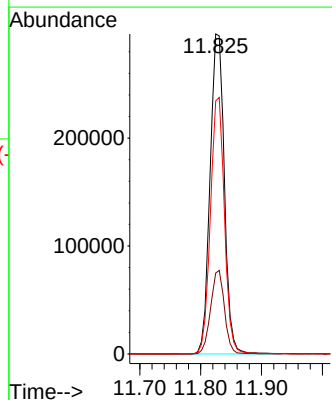
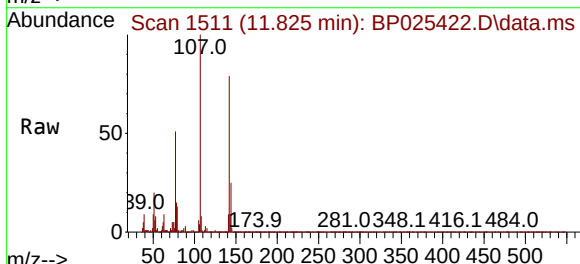
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

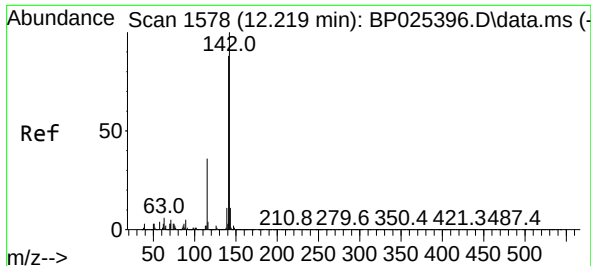
Tgt Ion:113 Resp: 150695
Ion Ratio Lower Upper
113 100
55 154.8 140.0 180.0
56 124.8 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 38.840 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:107 Resp: 482622
Ion Ratio Lower Upper
107 100
144 25.3 21.0 31.4
142 79.1 64.6 97.0

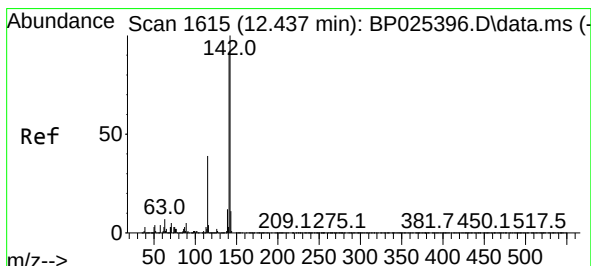
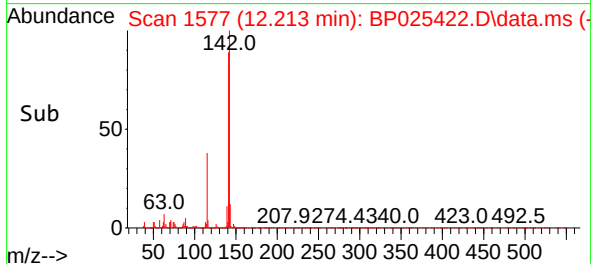
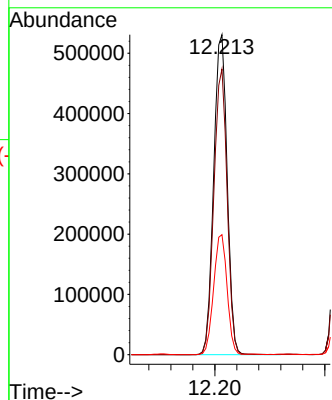
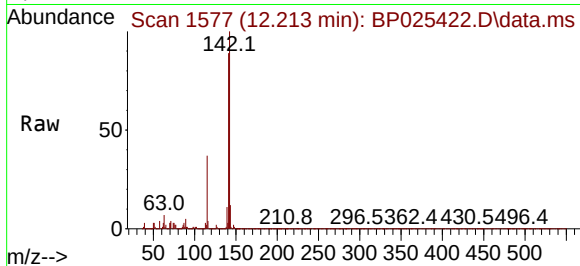




#37
2-Methylnaphthalene
Concen: 38.190 ng
RT: 12.213 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

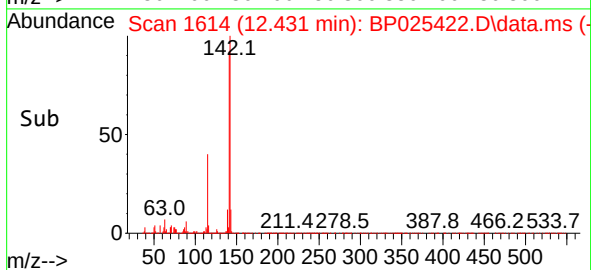
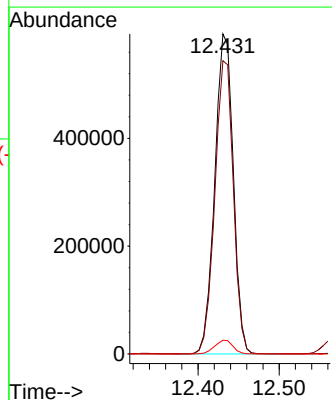
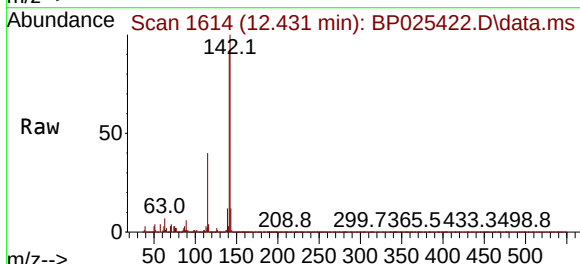
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

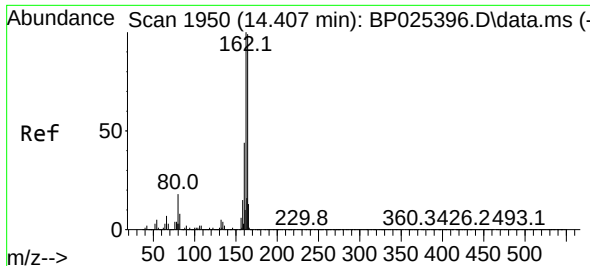
Tgt Ion:142 Resp: 903084
Ion Ratio Lower Upper
142 100
141 89.2 70.3 105.5
115 37.5 28.9 43.3



#38
1-Methylnaphthalene
Concen: 37.439 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:142 Resp: 941493
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7
116 4.3 3.2 4.8

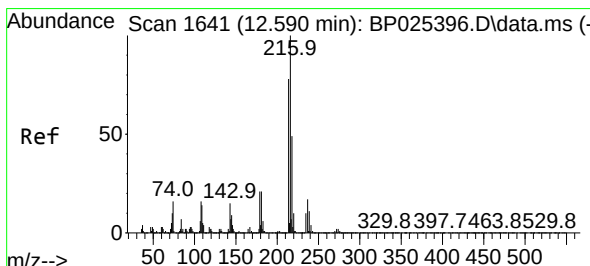
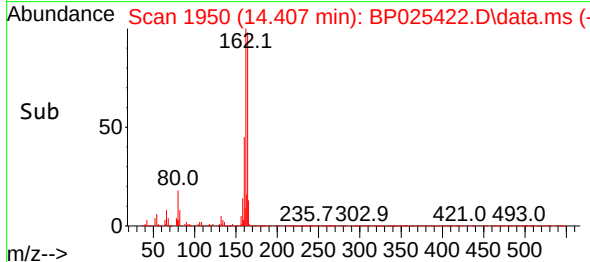
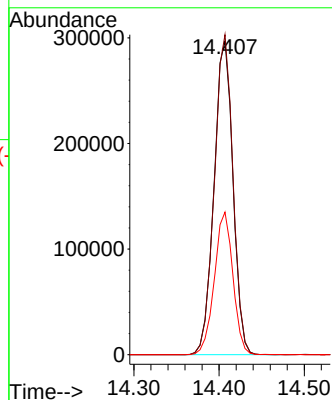
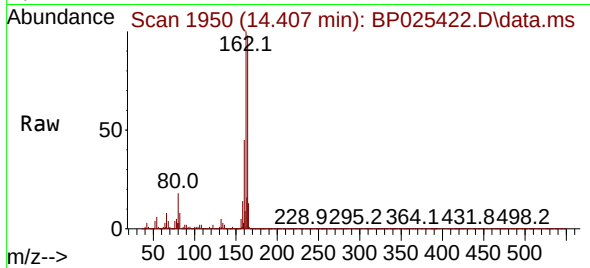




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

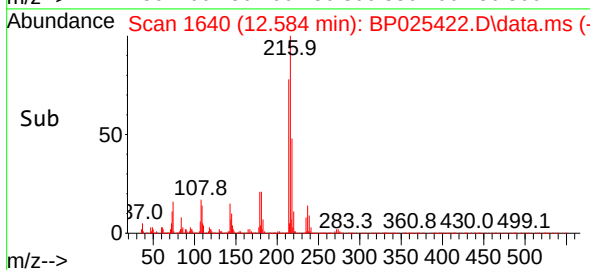
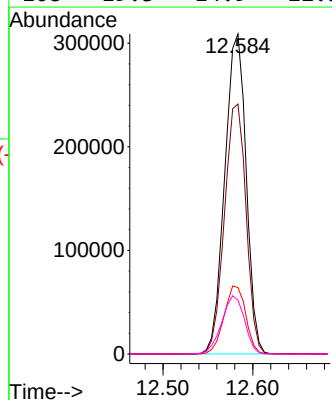
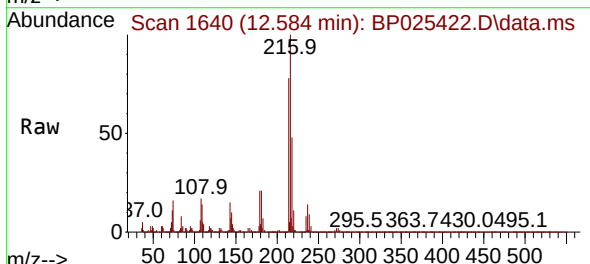
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

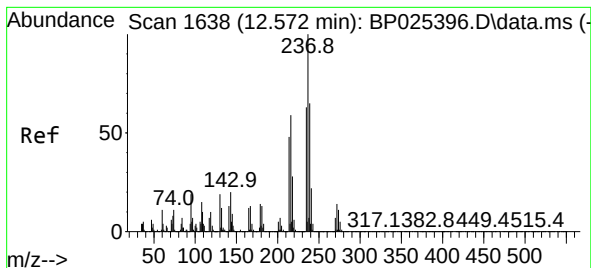
Tgt Ion:164 Resp: 458301
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.6
160 45.5 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.717 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:216 Resp: 512464
Ion Ratio Lower Upper
216 100
214 78.9 63.0 94.4
179 21.5 17.1 25.7
108 19.3 14.9 22.3

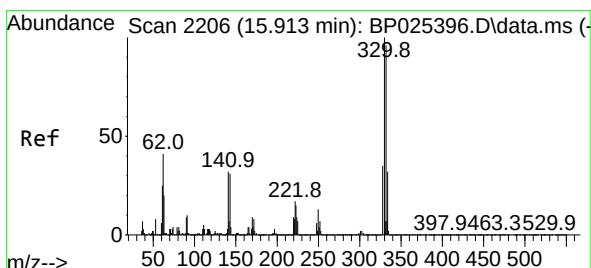
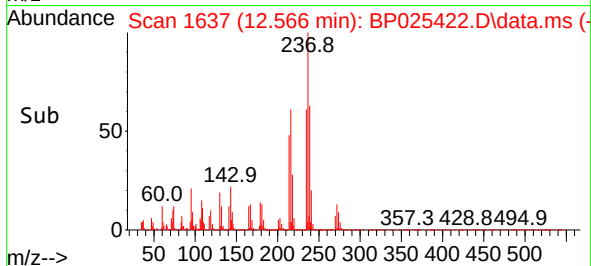
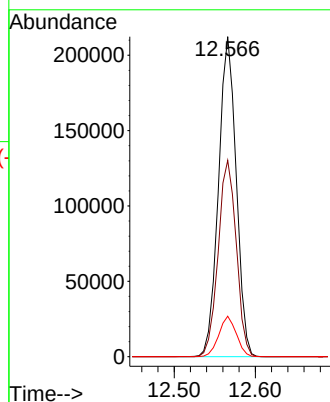
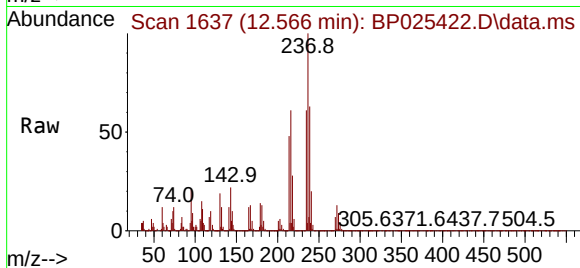




#41
Hexachlorocyclopentadiene
Concen: 40.319 ng
RT: 12.566 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

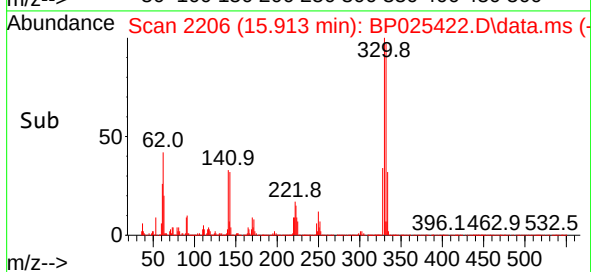
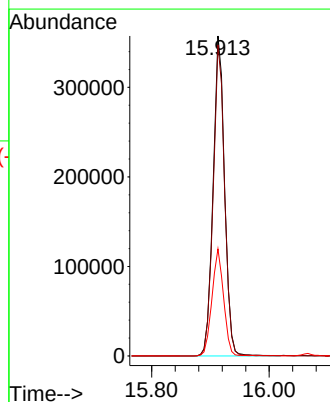
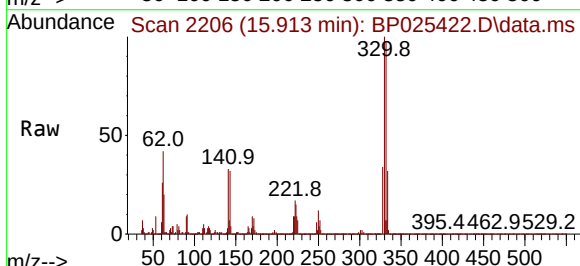
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

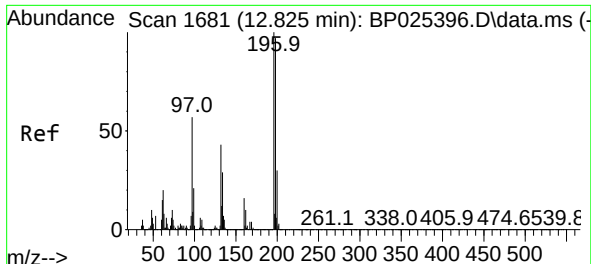
Tgt Ion:237 Resp: 322360
Ion Ratio Lower Upper
237 100
235 61.4 42.7 82.7
272 12.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 78.381 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:330 Resp: 483517
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 34.0 26.6 39.8

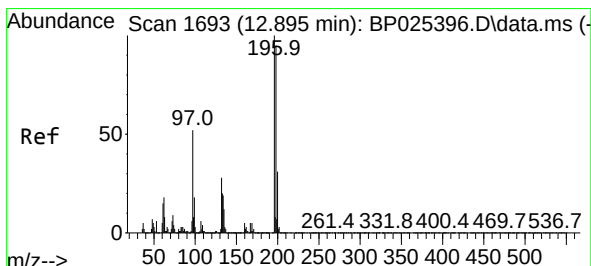
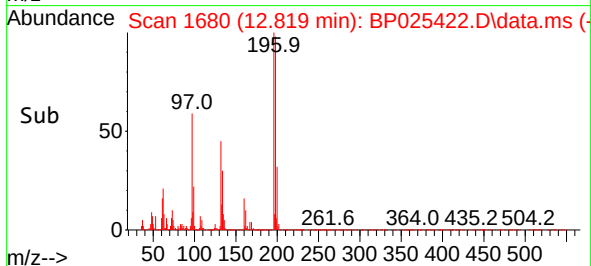
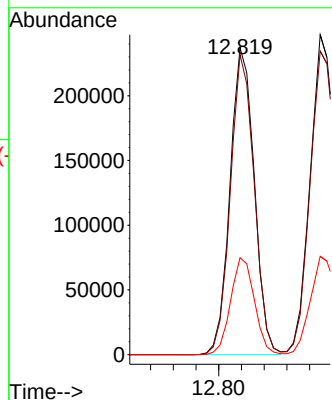
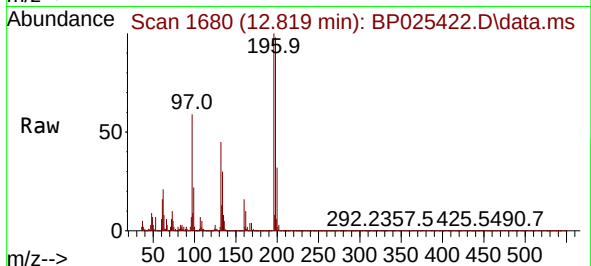




#43
2,4,6-Trichlorophenol
Concen: 39.291 ng
RT: 12.819 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

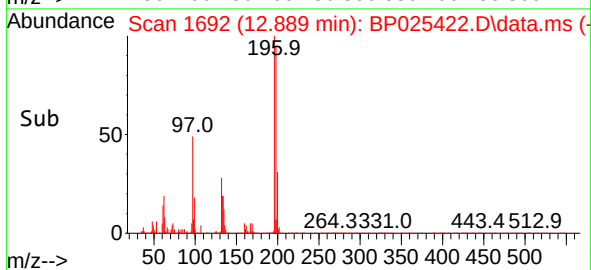
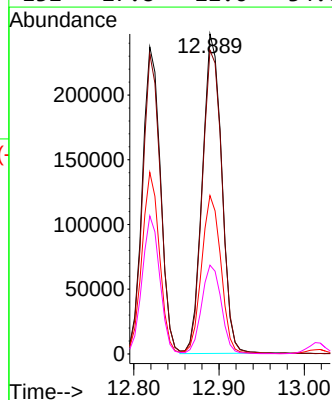
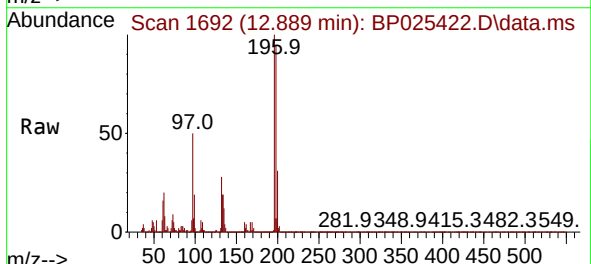
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

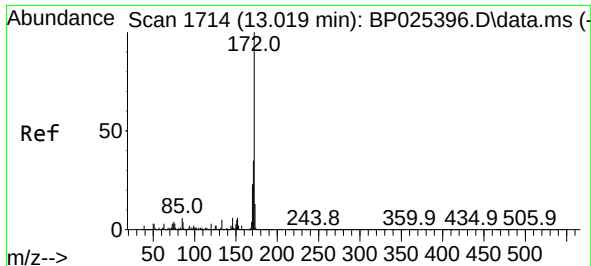
Tgt Ion:196 Resp: 351101
Ion Ratio Lower Upper
196 100
198 97.7 77.2 115.8
200 31.6 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 39.656 ng
RT: 12.889 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:196 Resp: 388369
Ion Ratio Lower Upper
196 100
198 94.9 76.2 114.2
97 49.5 41.2 61.8
132 27.8 22.6 34.0

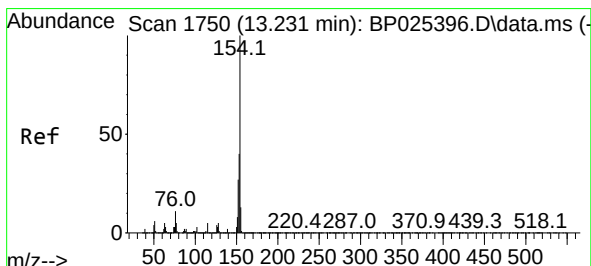
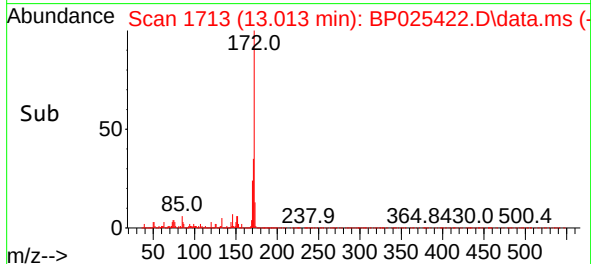
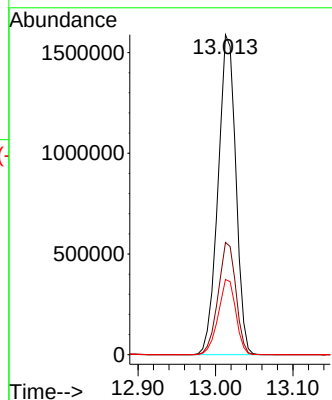
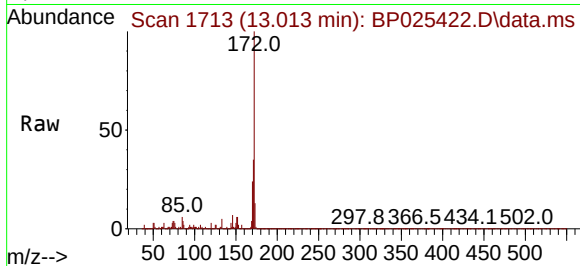




#45
2-Fluorobiphenyl
Concen: 75.449 ng
RT: 13.013 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

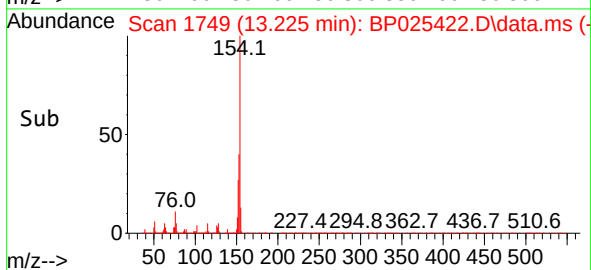
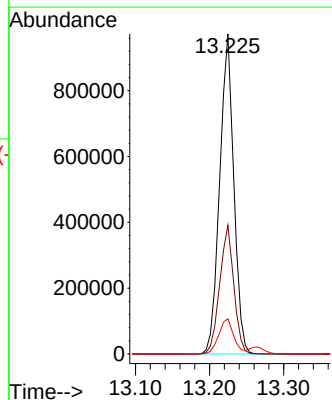
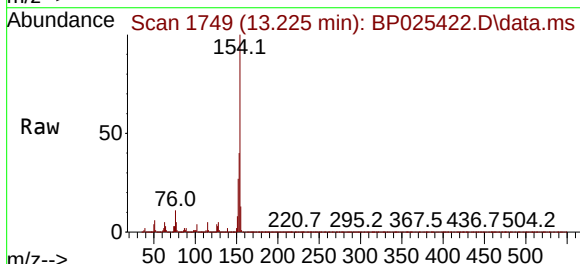
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

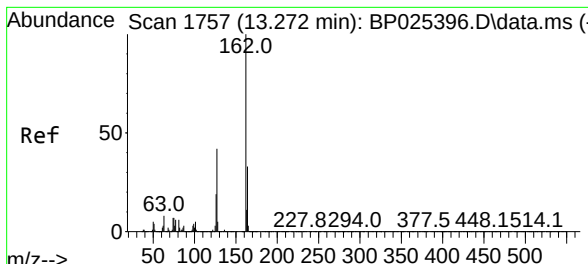
Tgt Ion:172 Resp: 2530106
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 38.672 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:154 Resp: 1287182
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.0 0.0 31.1



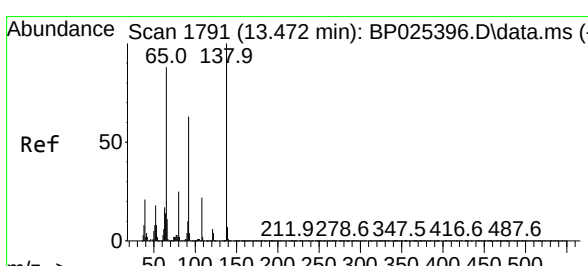
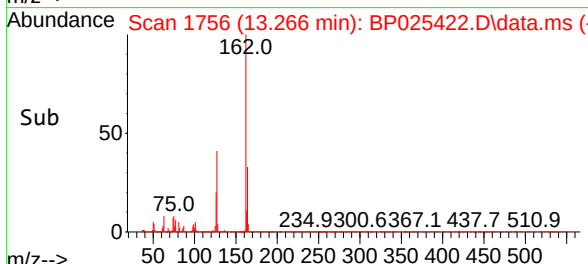
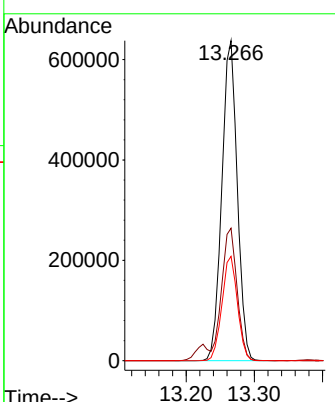
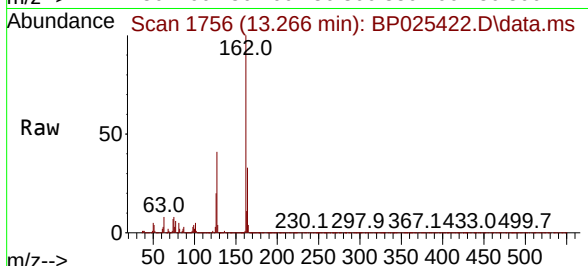


#47
 2-Chloronaphthalene
 Concen: 38.780 ng
 RT: 13.266 min Scan# 1756
 Delta R.T. -0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Tgt Ion: 162 Resp: 1004850

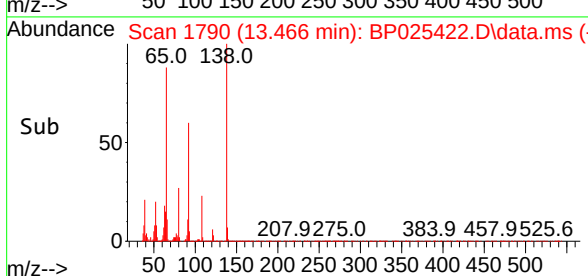
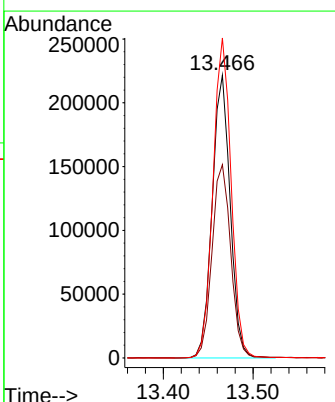
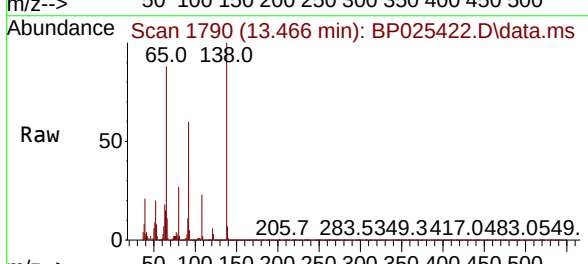
Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.4	50.2
164	32.6	26.2	39.2

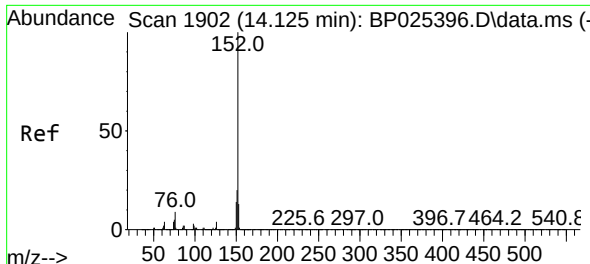


#48
 2-Nitroaniline
 Concen: 40.910 ng
 RT: 13.466 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Tgt Ion: 65 Resp: 308875

Ion	Ratio	Lower	Upper
65	100		
92	68.4	57.6	86.4
138	113.2	91.0	136.6

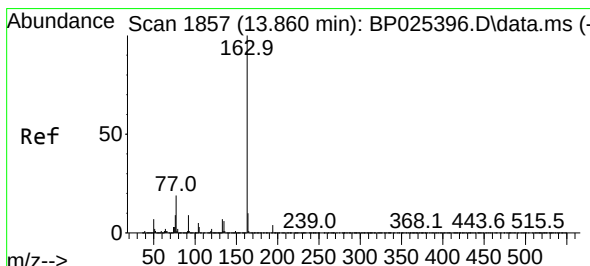
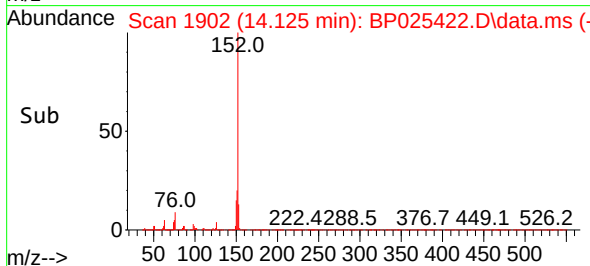
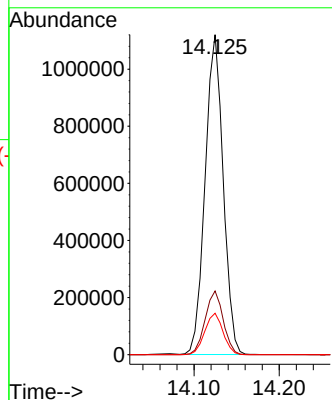
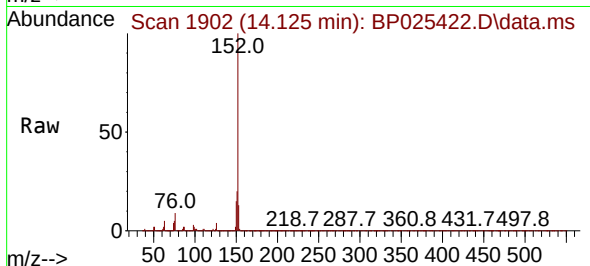




#49
Acenaphthylene
Concen: 38.457 ng
RT: 14.125 min Scan# 1902
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

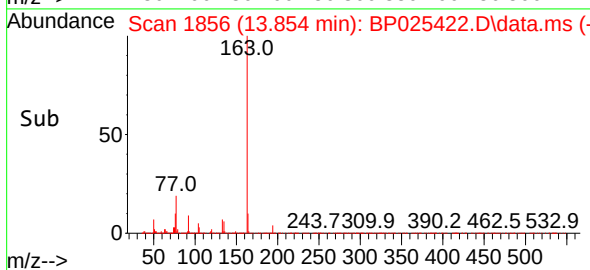
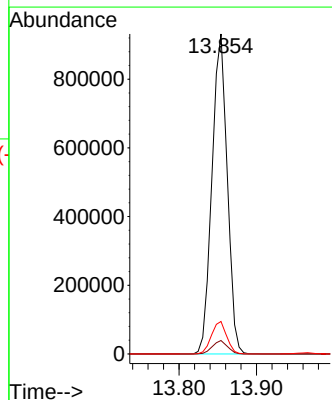
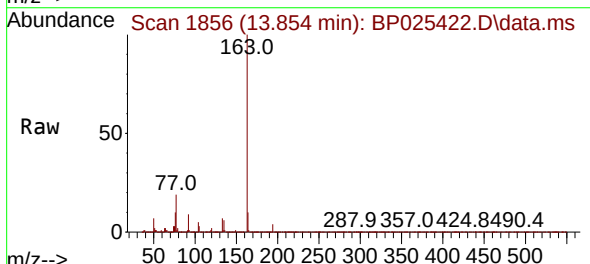
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

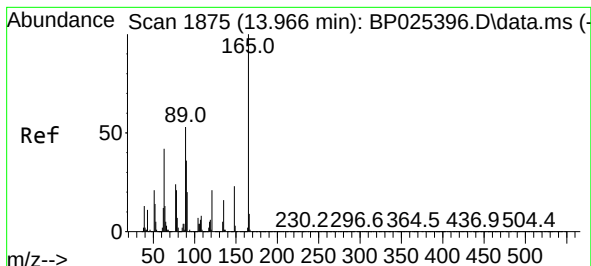
Tgt Ion:152 Resp: 1648885
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 12.9 10.6 15.8



#50
Dimethylphthalate
Concen: 38.040 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:163 Resp: 1276659
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.2 7.9 11.9

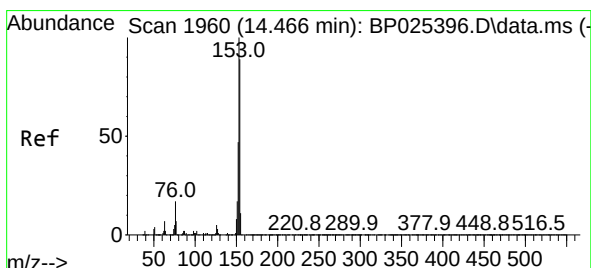
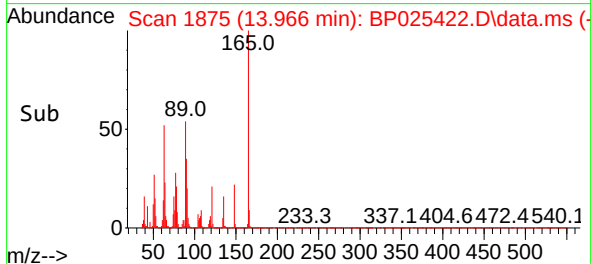
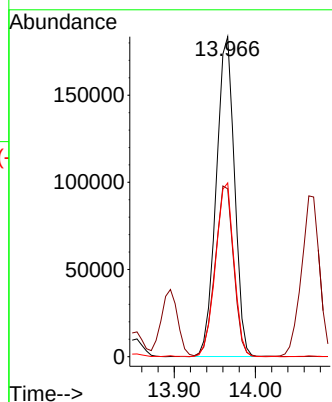
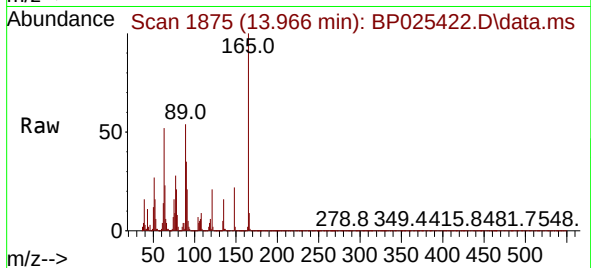




#51
2,6-Dinitrotoluene
Concen: 40.628 ng
RT: 13.966 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

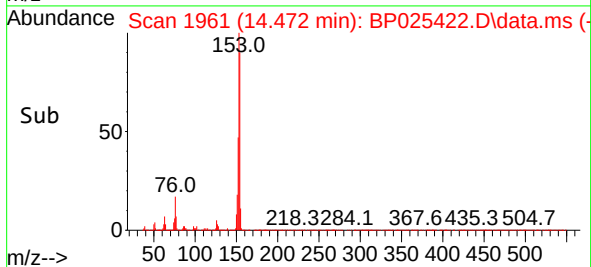
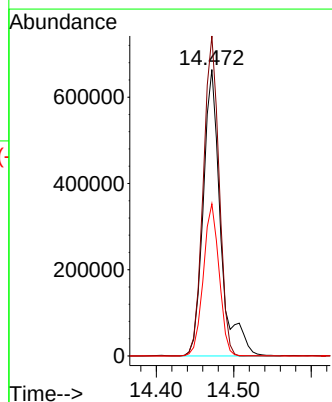
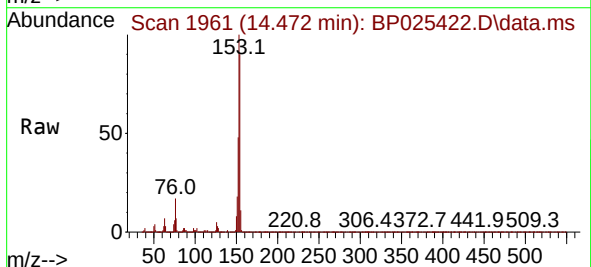
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

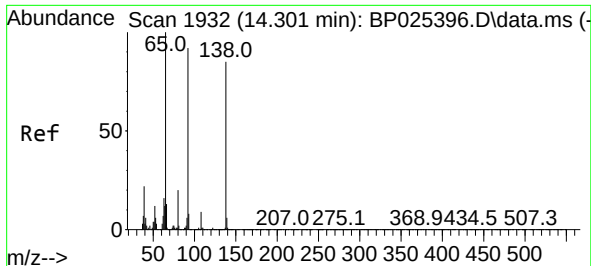
Tgt Ion:165 Resp: 287385
Ion Ratio Lower Upper
165 100
63 52.5 40.9 61.3
89 54.3 42.1 63.1



#52
Acenaphthene
Concen: 41.057 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:154 Resp: 1033308
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.2
152 53.1 42.1 63.1

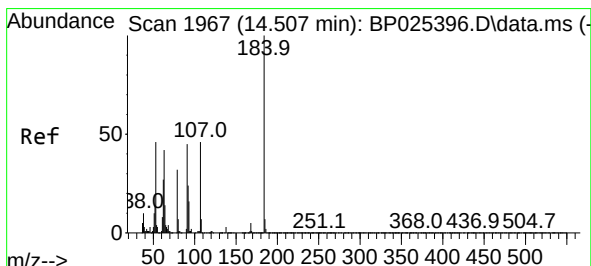
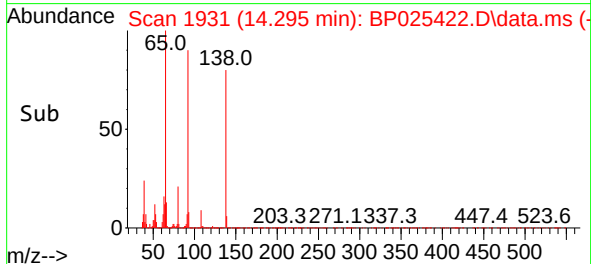
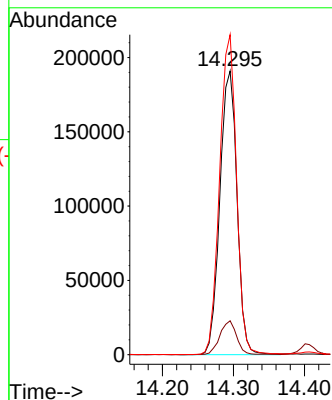
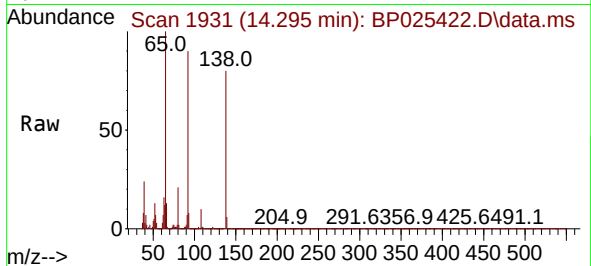




#53
3-Nitroaniline
Concen: 40.043 ng
RT: 14.295 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

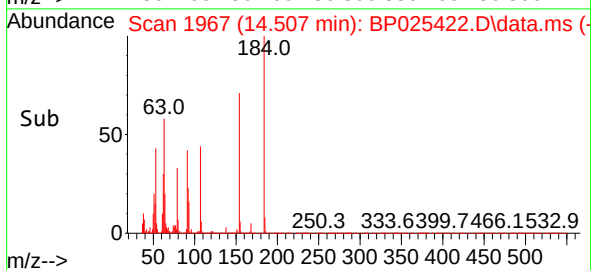
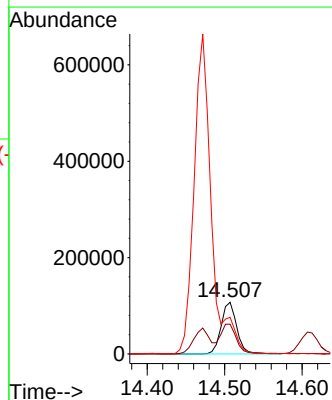
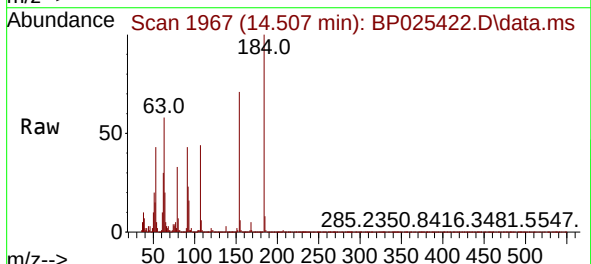
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

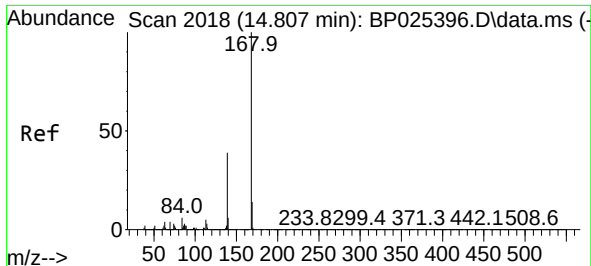
Tgt Ion:138 Resp: 318681
Ion Ratio Lower Upper
138 100
108 11.9 8.3 12.5
92 112.8 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 39.794 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:184 Resp: 150322
Ion Ratio Lower Upper
184 100
63 57.7 49.4 74.2
154 70.9 54.6 82.0

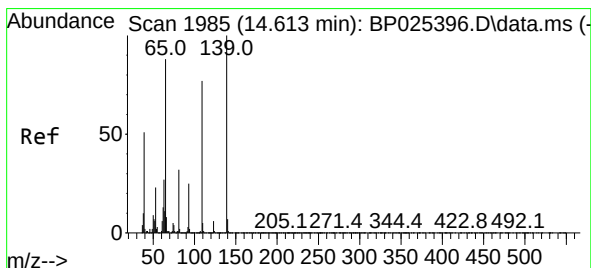
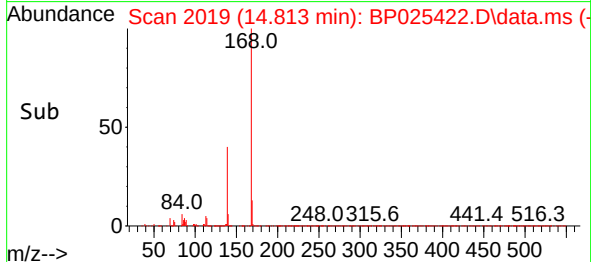
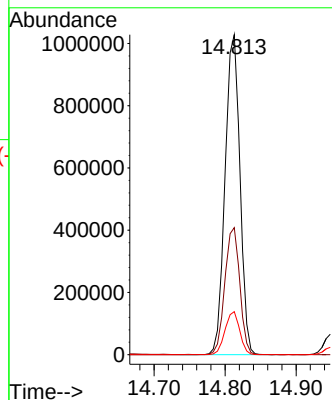
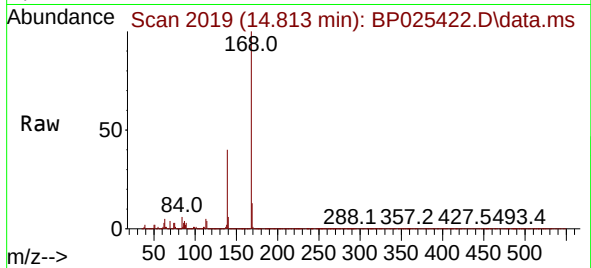




#55
Dibenzenofuran
Concen: 37.495 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

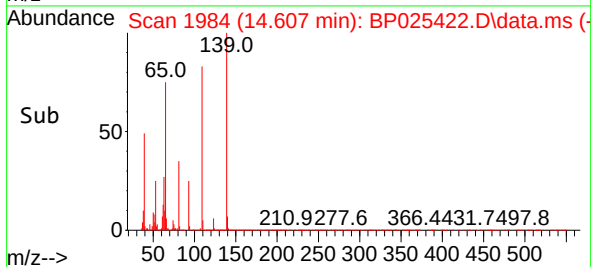
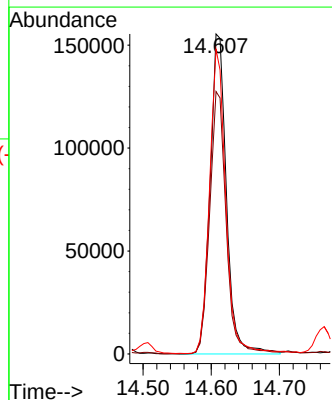
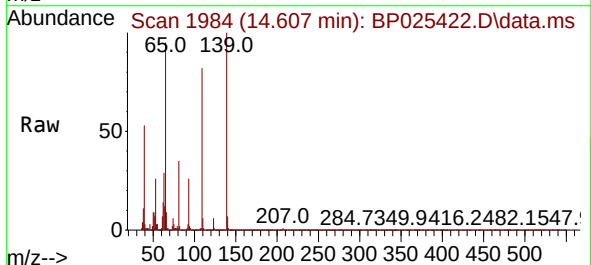
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

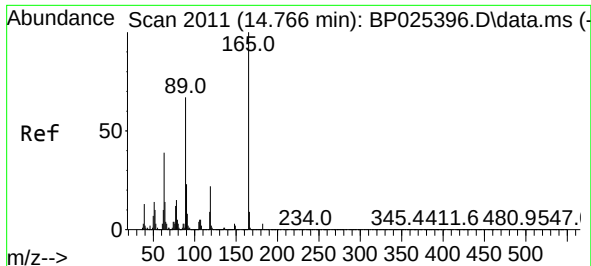
Tgt Ion:168 Resp: 1491927
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 39.771 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:139 Resp: 260098
Ion Ratio Lower Upper
139 100
109 82.0 56.6 96.6
65 95.2 68.2 108.2

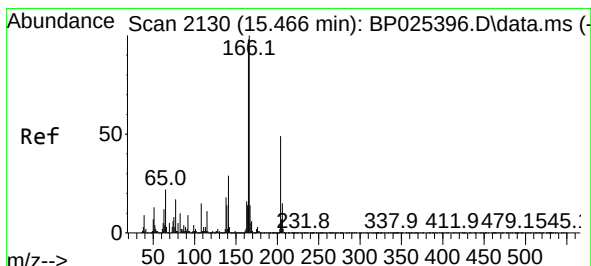
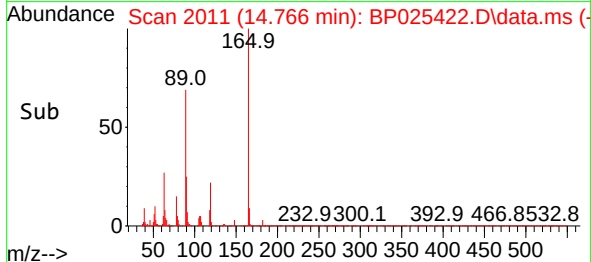
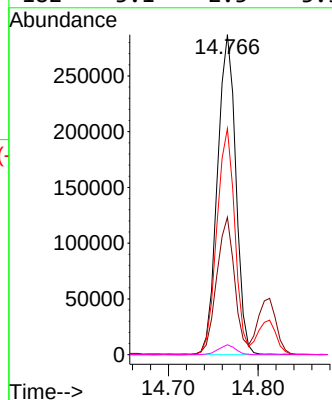
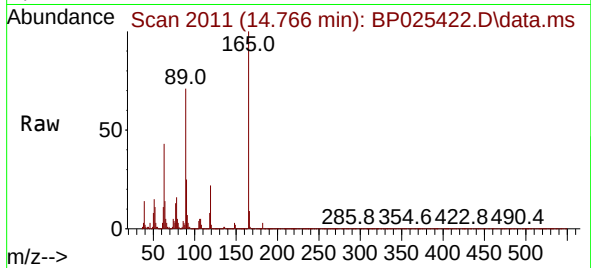




#57
2,4-Dinitrotoluene
Concen: 40.518 ng
RT: 14.766 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

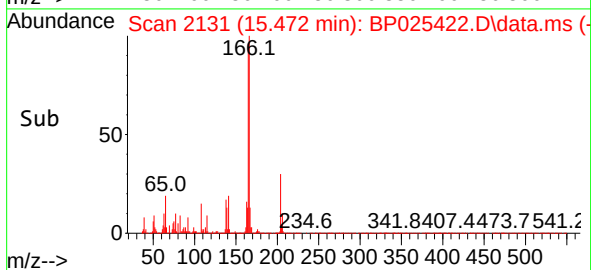
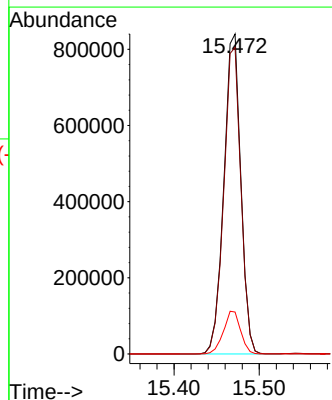
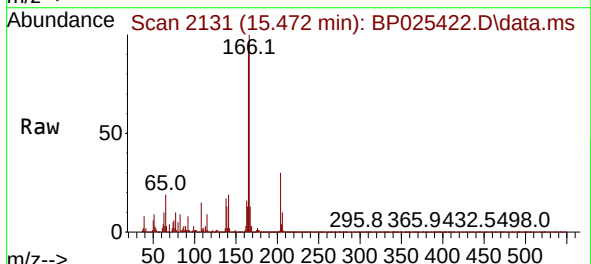
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

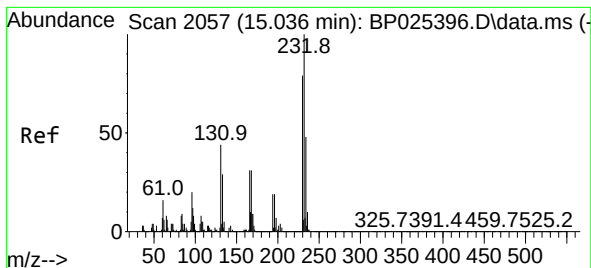
Tgt Ion:	165	Resp:	408919
Ion	Ratio	Lower	Upper
165	100		
63	43.0	31.4	47.2
89	70.7	53.3	79.9
182	3.1	2.3	3.5



#58
Fluorene
Concen: 37.121 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:	166	Resp:	1165482
Ion	Ratio	Lower	Upper
166	100		
165	95.8	78.8	118.2
167	13.1	11.0	16.4



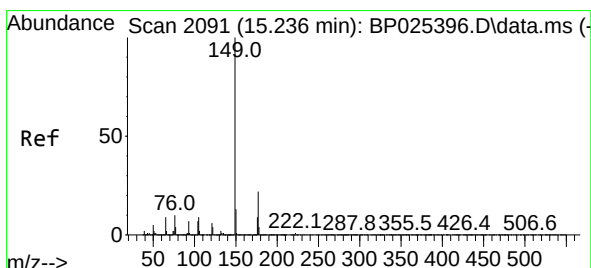
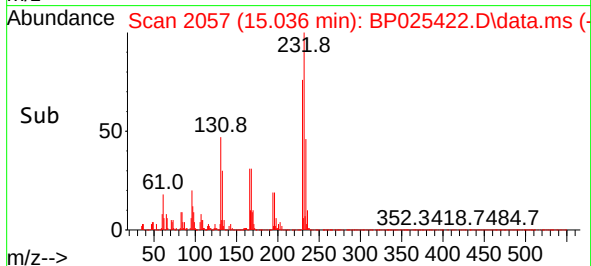
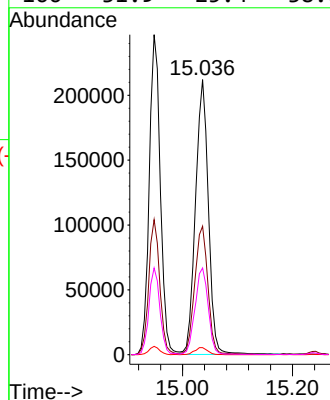
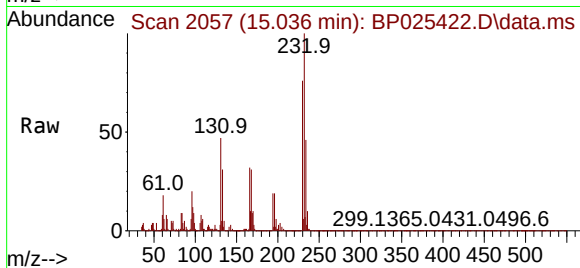


#59
2,3,4,6-Tetrachlorophenol
Concen: 39.927 ng
RT: 15.036 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 345273

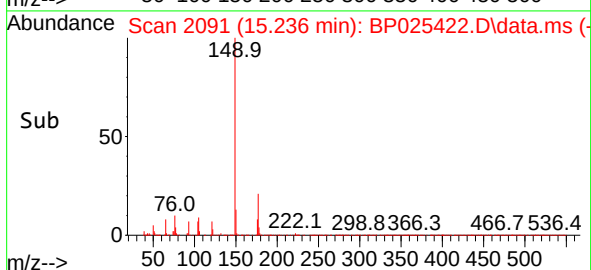
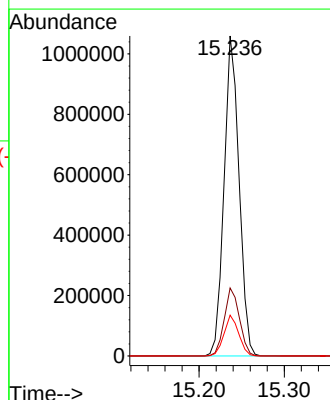
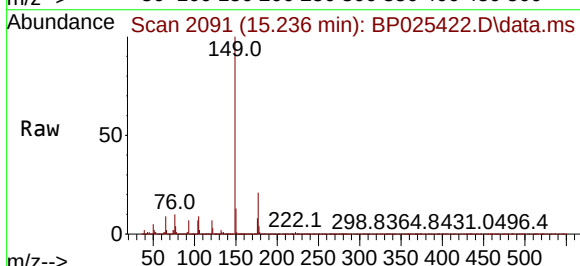
Ion	Ratio	Lower	Upper
232	100		
131	47.6	37.0	55.6
130	2.6	1.9	2.9
166	31.9	25.4	38.0

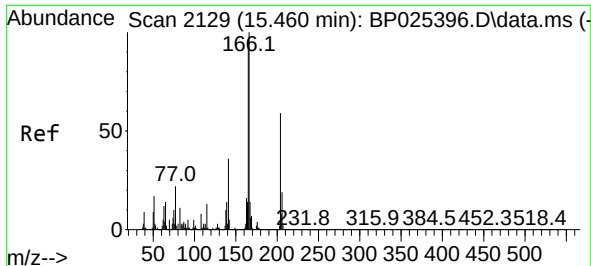


#60
Diethylphthalate
Concen: 38.058 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1297841

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.8	10.3	15.5

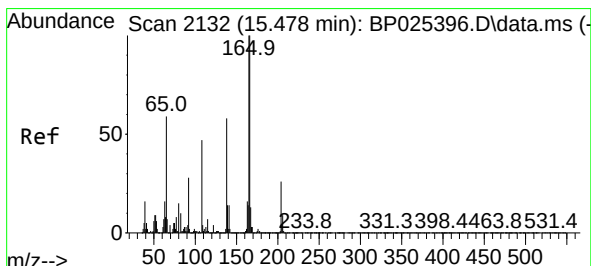
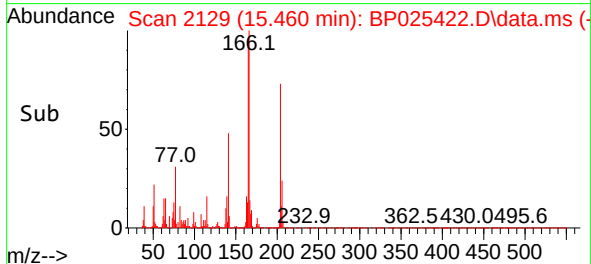
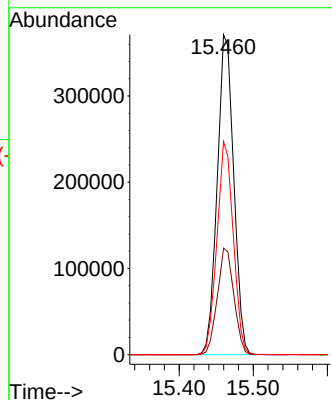
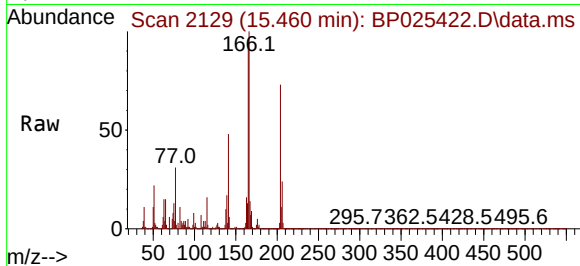




#61
4-Chlorophenyl-phenylether
Concen: 36.845 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

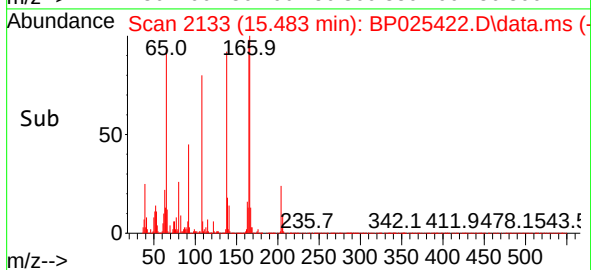
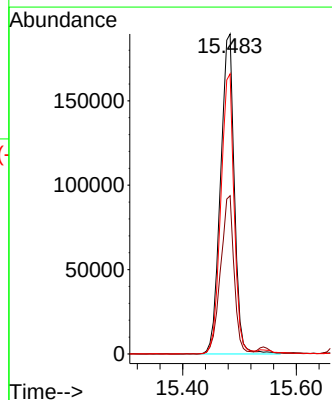
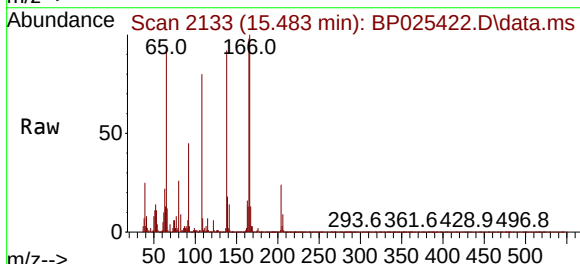
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

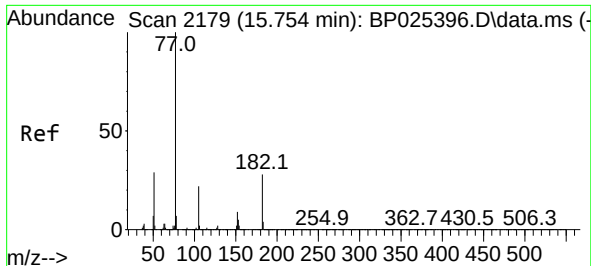
Tgt Ion:204 Resp: 575339
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.8
141 66.6 49.4 74.2



#62
4-Nitroaniline
Concen: 39.397 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:138 Resp: 321438
Ion Ratio Lower Upper
138 100
92 49.4 29.1 69.1
108 87.5 61.5 101.5



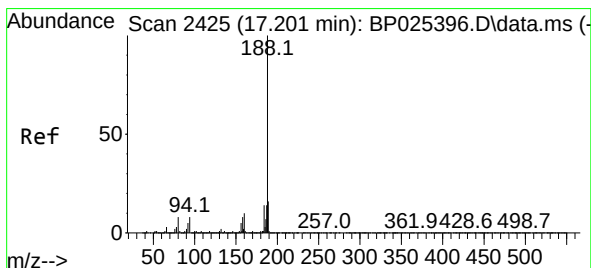
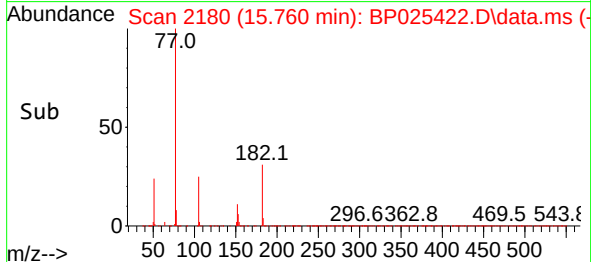
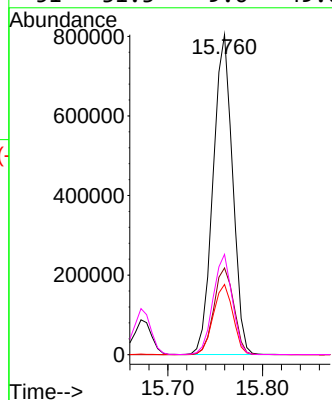
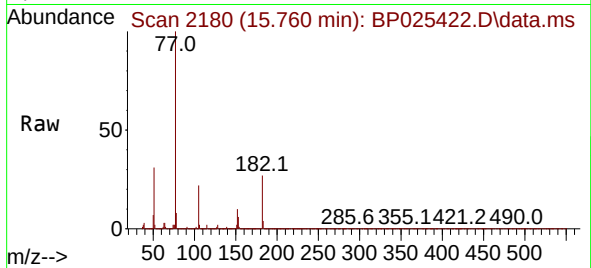


#63
Azobenzene
Concen: 39.282 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1147009

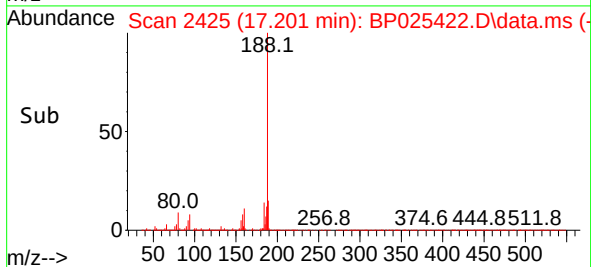
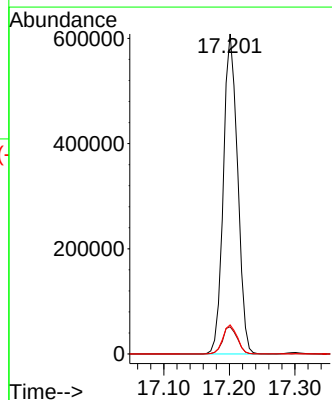
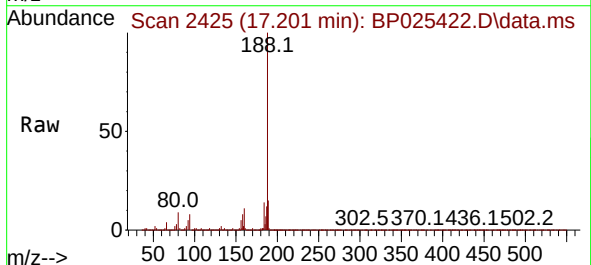
Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.5	47.5
105	22.0	2.1	42.1
51	31.3	9.6	49.6

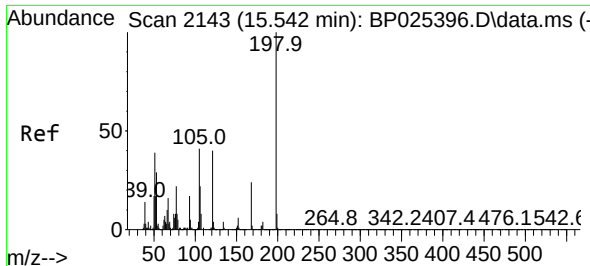


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 188 Resp: 913689

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.1	6.7	10.1

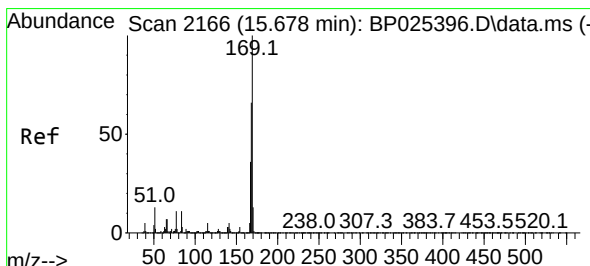
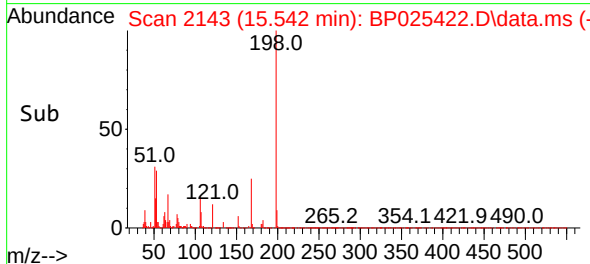
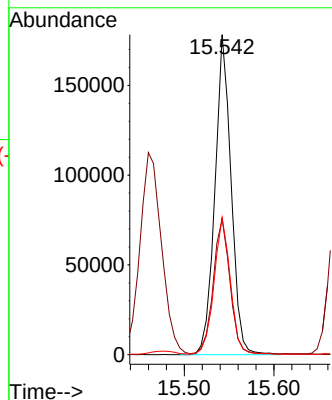
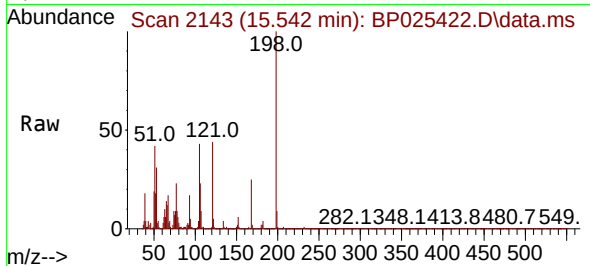




#65
4,6-Dinitro-2-methylphenol
Concen: 39.253 ng
RT: 15.542 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

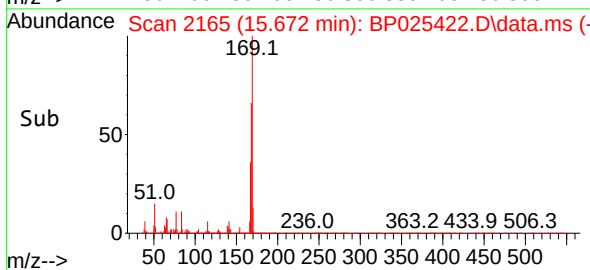
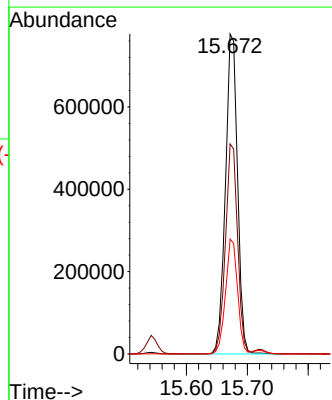
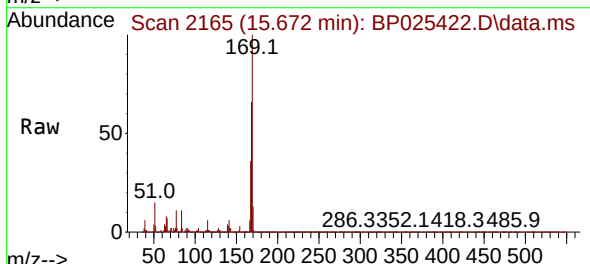
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

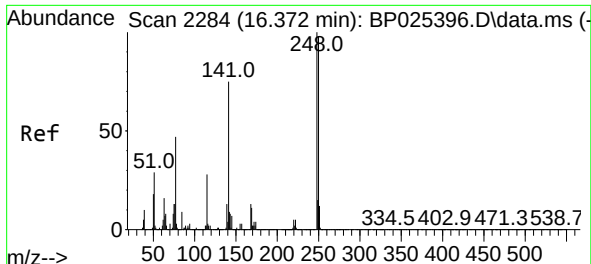
Tgt Ion:198 Resp: 223566
Ion Ratio Lower Upper
198 100
51 42.4 19.6 59.6
105 42.9 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 38.519 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:169 Resp: 1073233
Ion Ratio Lower Upper
169 100
168 65.7 53.2 79.8
167 35.9 28.7 43.1

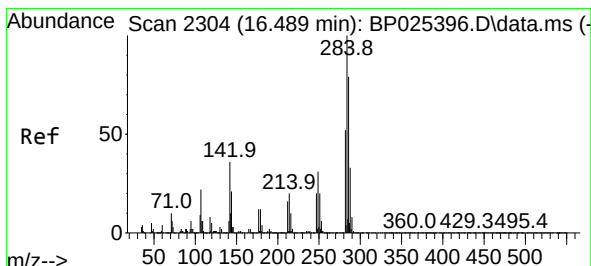
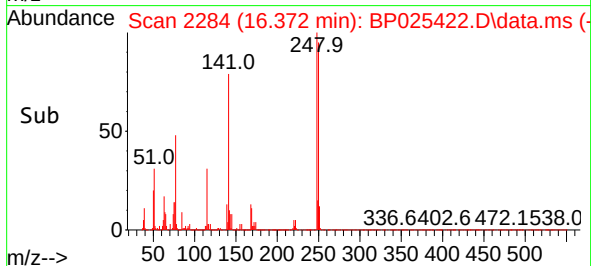
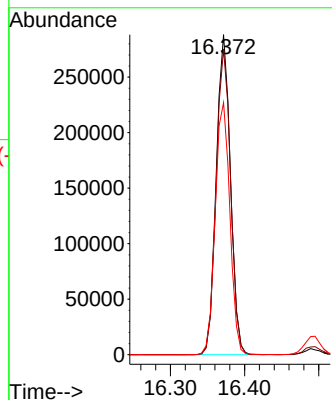
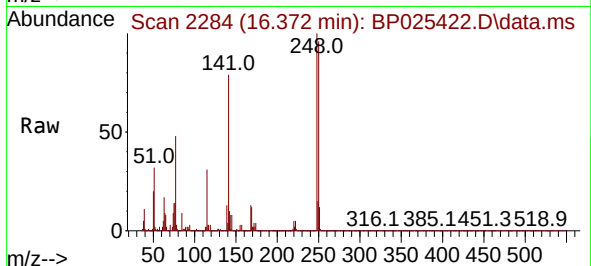




#67
4-Bromophenyl-phenylether
Concen: 38.195 ng
RT: 16.372 min Scan# 211
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

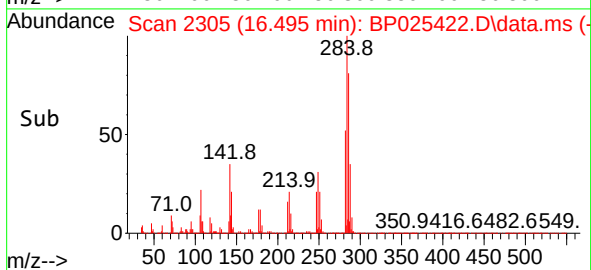
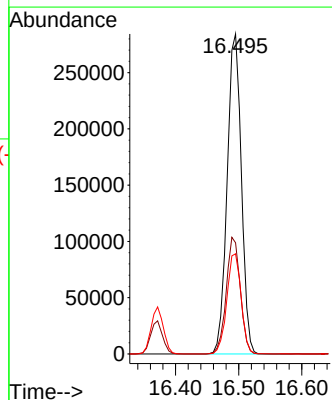
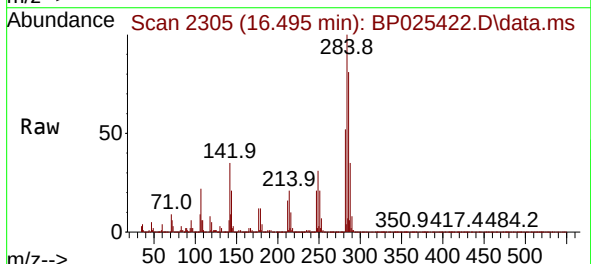
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

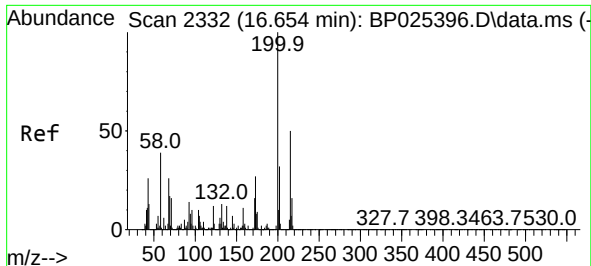
Tgt Ion:248 Resp: 383814
Ion Ratio Lower Upper
248 100
250 95.5 78.2 117.2
141 78.8 59.6 89.4



#68
Hexachlorobenzene
Concen: 37.966 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:284 Resp: 442250
Ion Ratio Lower Upper
284 100
142 34.8 29.1 43.7
249 31.3 25.0 37.4

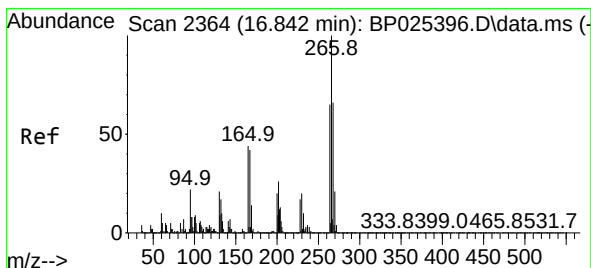
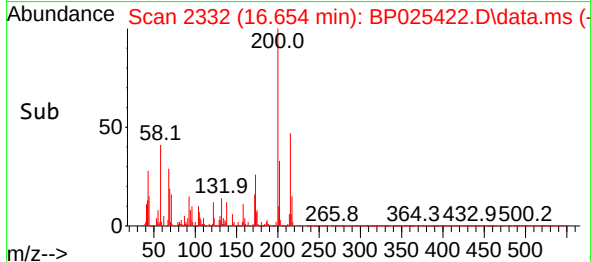
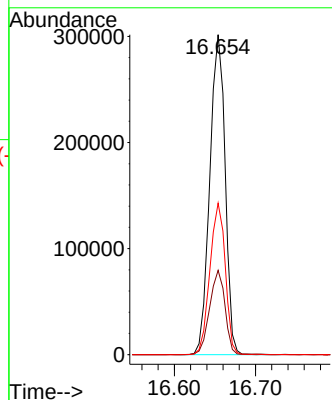
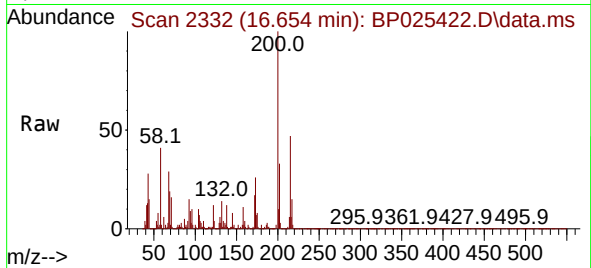




#69
 Atrazine
 Concen: 37.872 ng
 RT: 16.654 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

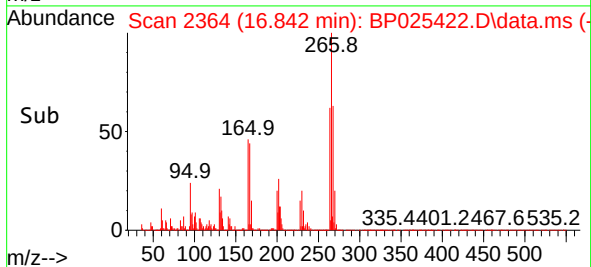
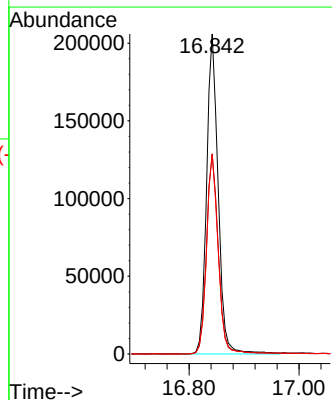
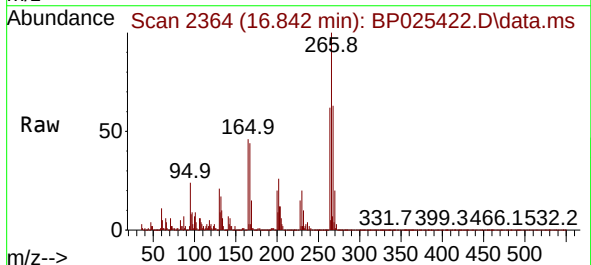
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

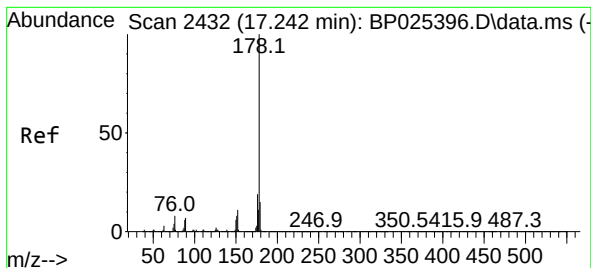
Tgt Ion:200 Resp: 395168
 Ion Ratio Lower Upper
 200 100
 173 26.3 6.7 46.7
 215 47.3 29.7 69.7



#70
 Pentachlorophenol
 Concen: 40.681 ng
 RT: 16.842 min Scan# 2364
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Tgt Ion:266 Resp: 299142
 Ion Ratio Lower Upper
 266 100
 268 62.5 52.6 79.0
 264 62.4 52.0 78.0





#71

Phenanthrene

Concen: 37.862 ng

RT: 17.248 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

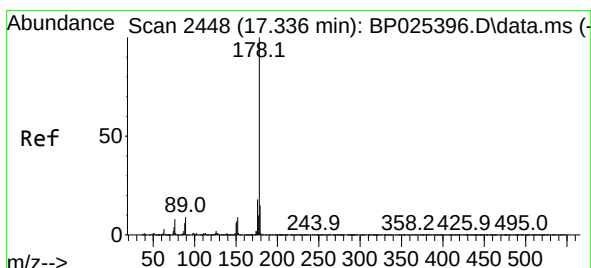
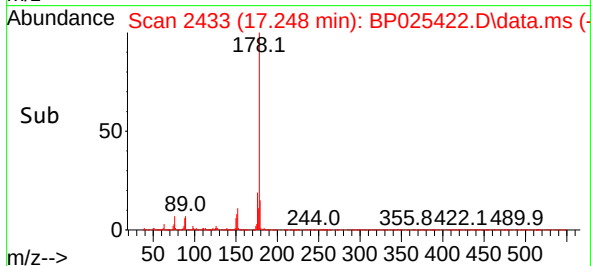
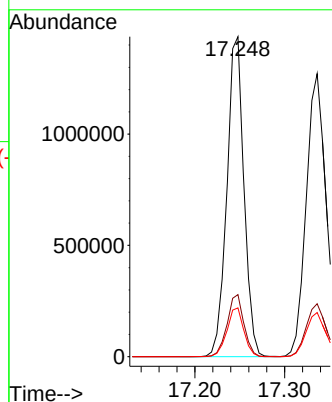
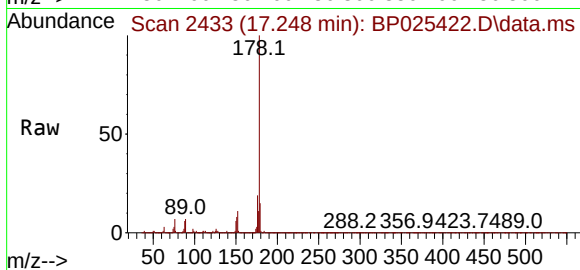
Tgt Ion:178 Resp: 1900372

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.2 12.2 18.4



#72

Anthracene

Concen: 38.117 ng

RT: 17.336 min Scan# 2448

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

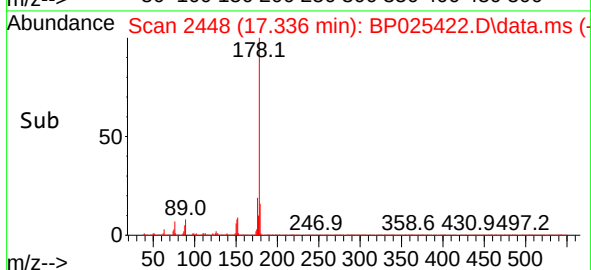
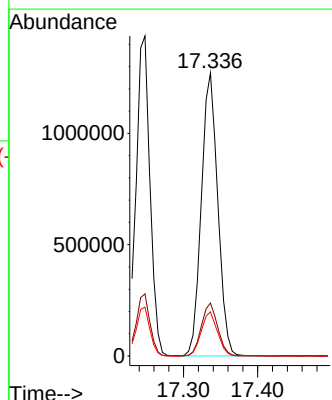
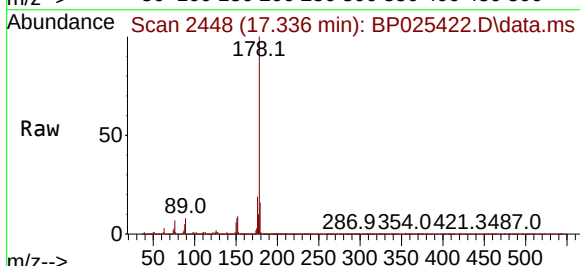
Tgt Ion:178 Resp: 1953735

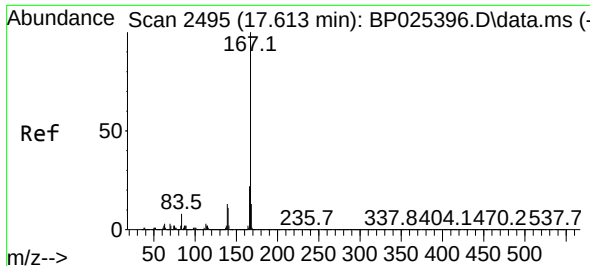
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 15.6 12.2 18.2

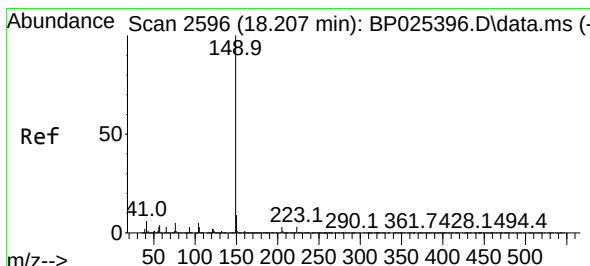
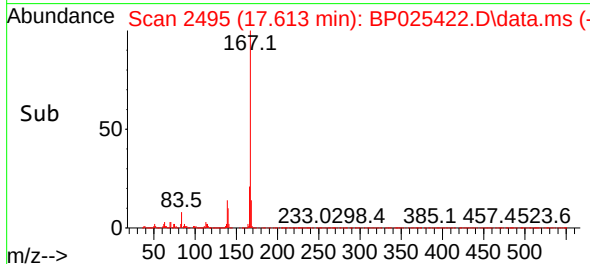
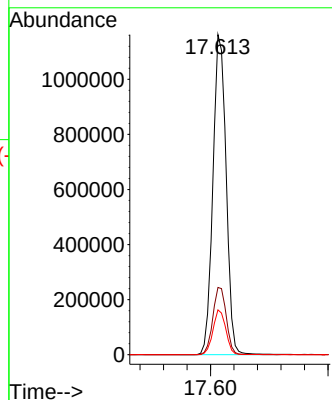
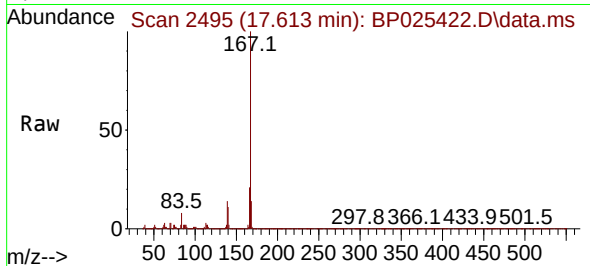




#73
 Carbazole
 Concen: 37.549 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

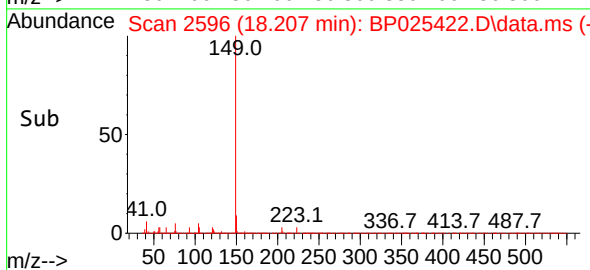
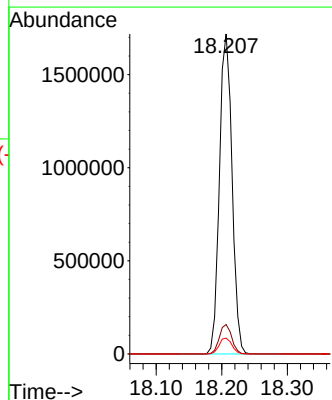
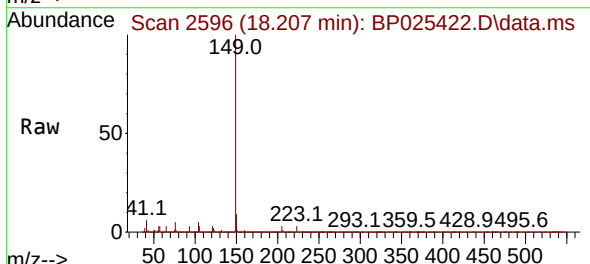
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

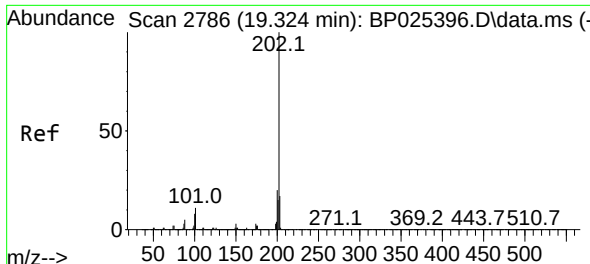
Tgt Ion:167 Resp: 1812820
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.5 26.3
 139 14.0 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 38.345 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 2277638
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 4.9 4.2 6.2

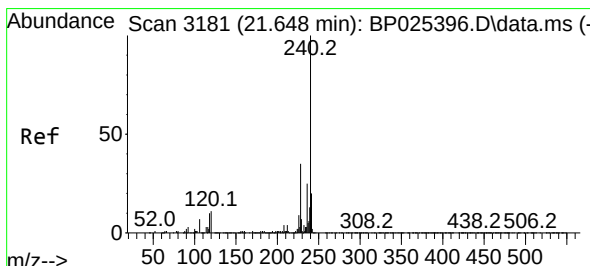
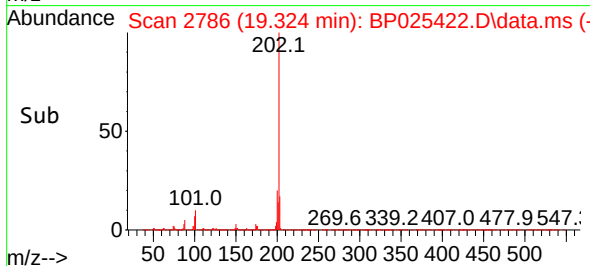
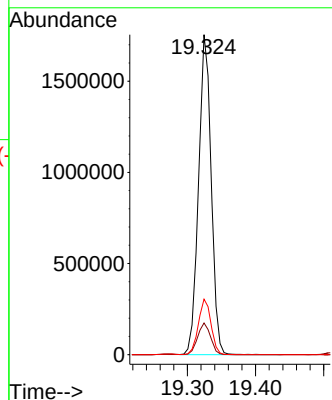
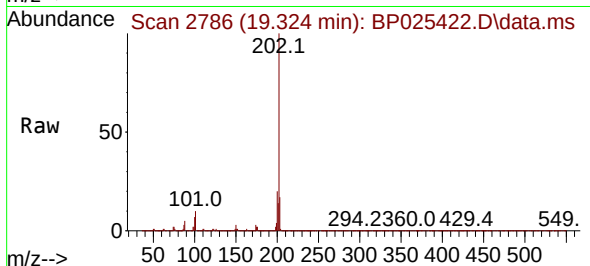




#75
Fluoranthene
Concen: 37.721 ng
RT: 19.324 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

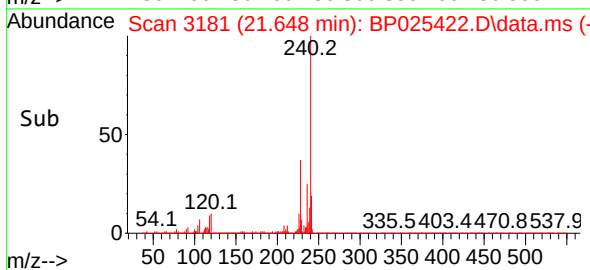
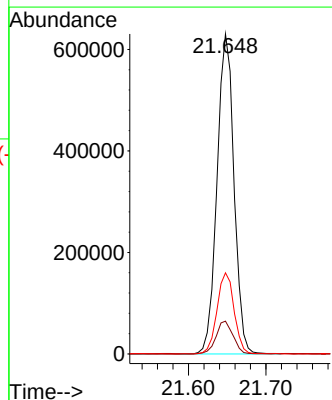
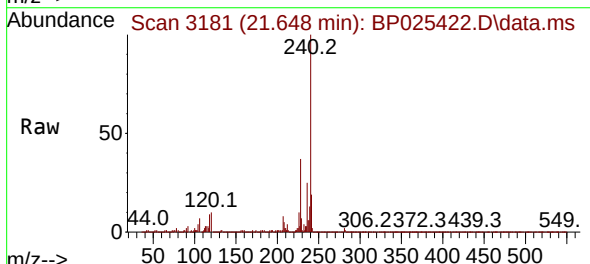
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

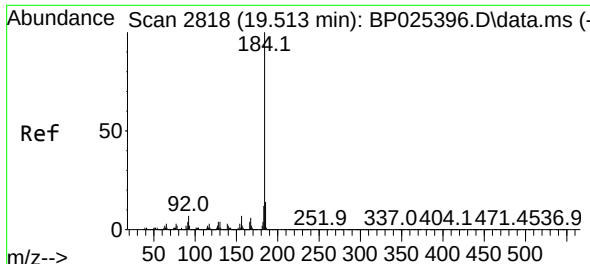
Tgt Ion:202 Resp: 2258336
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:240 Resp: 958309
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.4 19.8 29.8

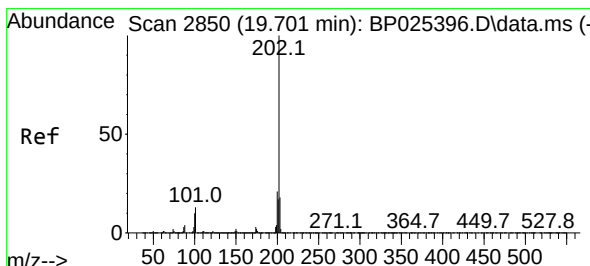
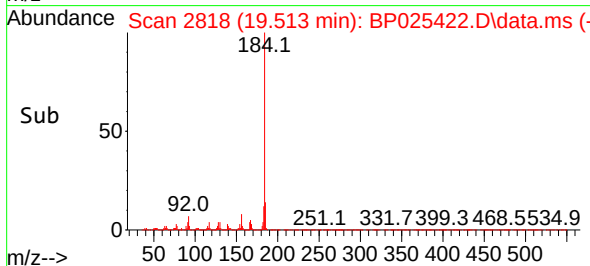
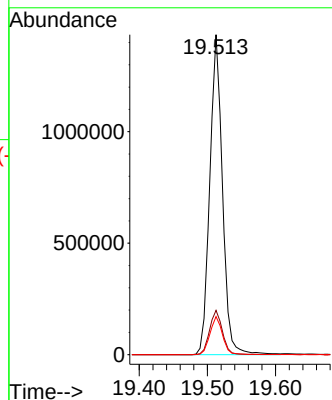
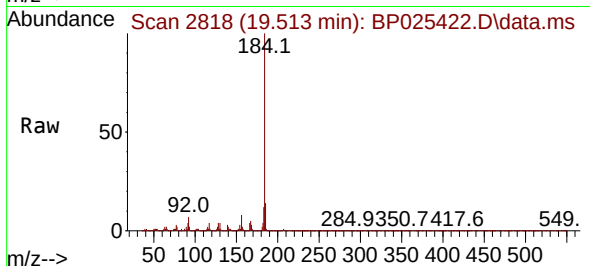




#77
Benzidine
Concen: 56.911 ng
RT: 19.513 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

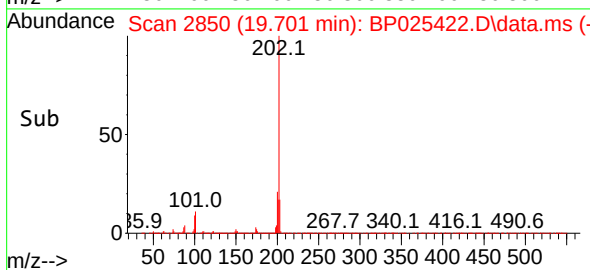
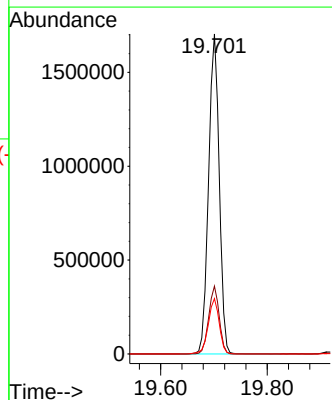
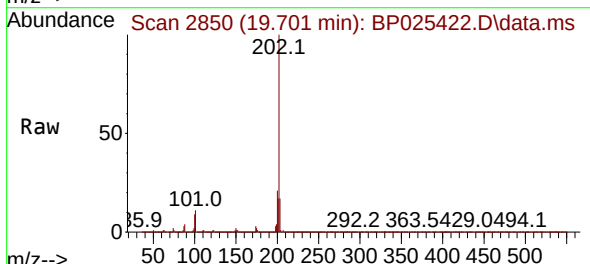
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

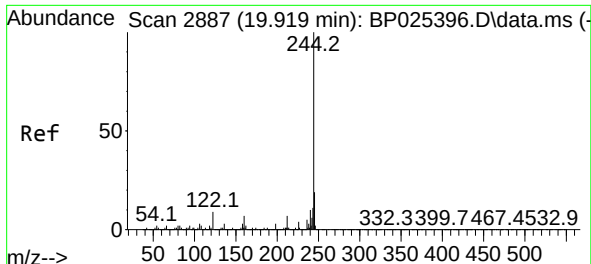
Tgt Ion:184 Resp: 1861268
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 11.9 9.4 14.2



#78
Pyrene
Concen: 37.884 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:202 Resp: 2359709
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.3 14.2 21.2

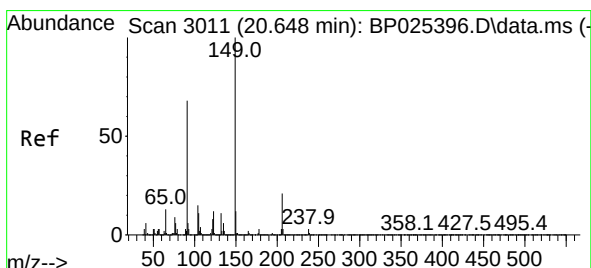
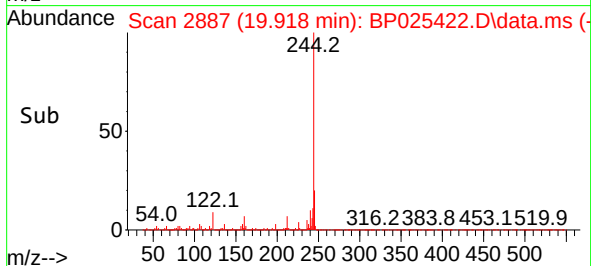
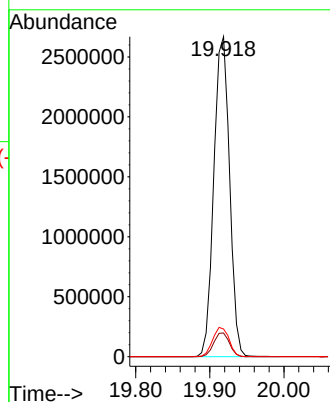
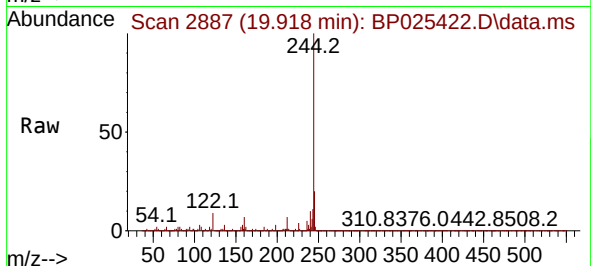




#79
 Terphenyl-d14
 Concen: 75.070 ng
 RT: 19.918 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

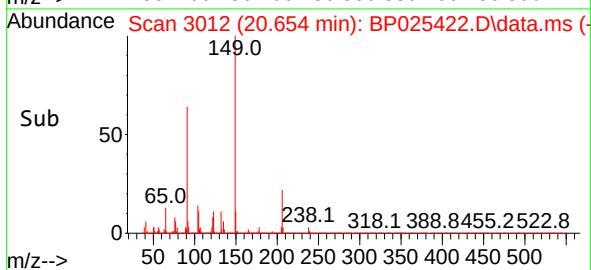
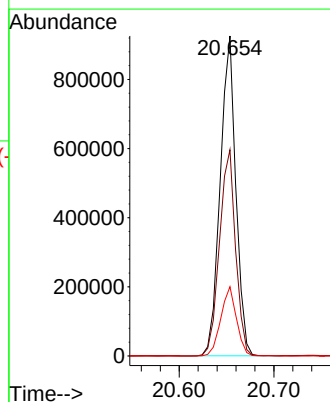
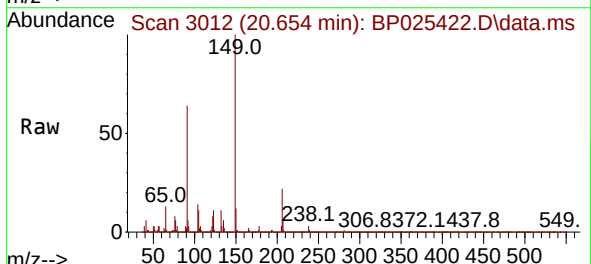
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

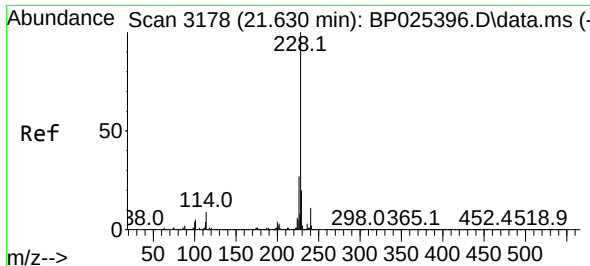
Tgt Ion:244 Resp: 3932091
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 8.7 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 37.699 ng
 RT: 20.654 min Scan# 3012
 Delta R.T. 0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1064206
 Ion Ratio Lower Upper
 149 100
 91 64.5 54.2 81.2
 206 21.7 16.6 24.8

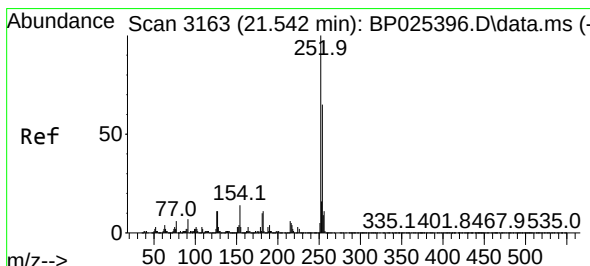
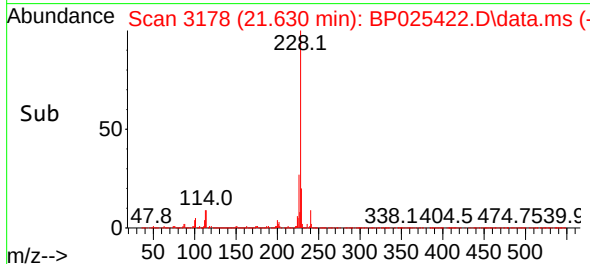
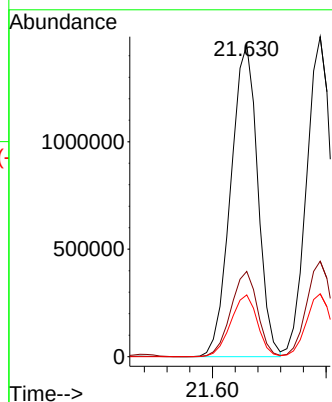
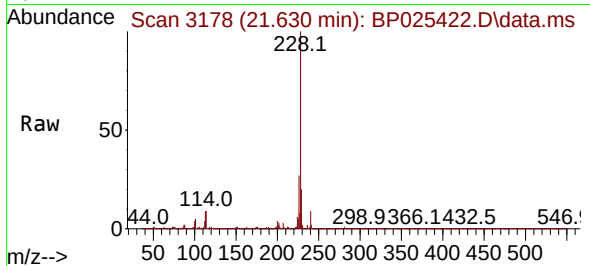




#81
Benzo(a)anthracene
Concen: 37.816 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

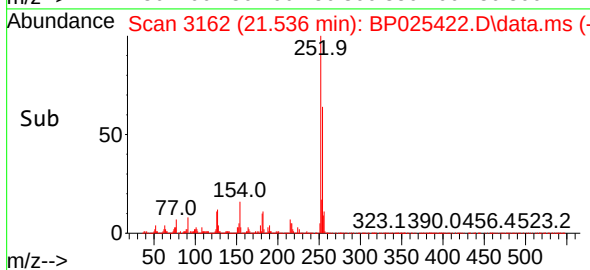
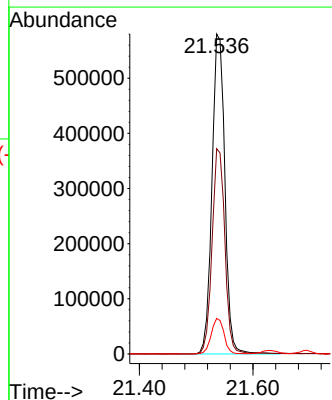
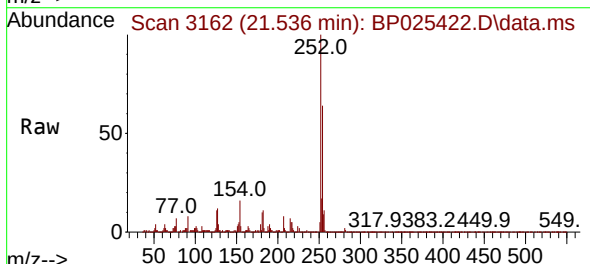
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

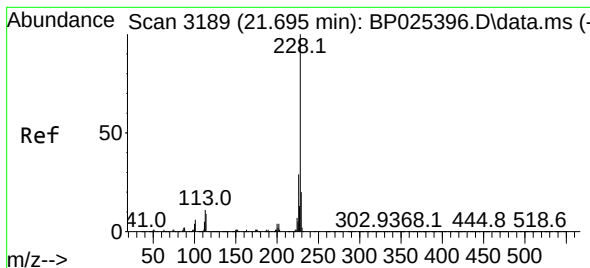
Tgt Ion:228 Resp: 2390024
Ion Ratio Lower Upper
228 100
226 27.3 21.7 32.5
229 19.8 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 38.057 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 906596
Ion Ratio Lower Upper
252 100
254 64.1 51.8 77.6
126 11.1 9.1 13.7





#83

Chrysene

Concen: 37.876 ng

RT: 21.695 min Scan# 3189

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

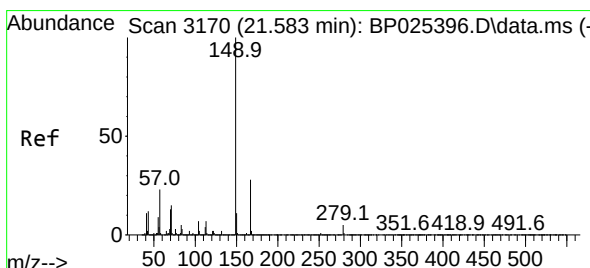
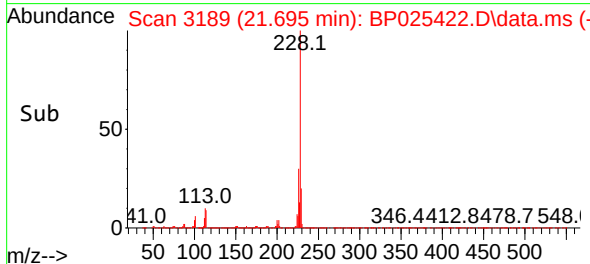
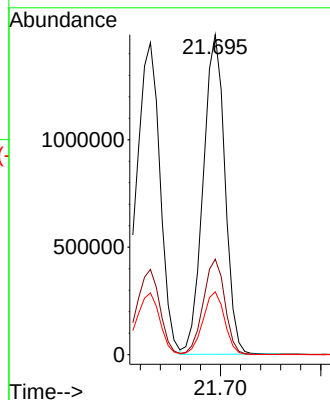
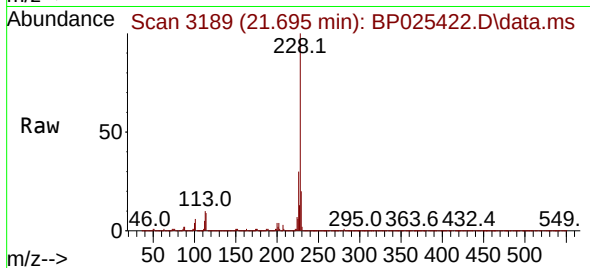
BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 2241792

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	19.7	15.6	23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.052 ng

RT: 21.571 min Scan# 3168

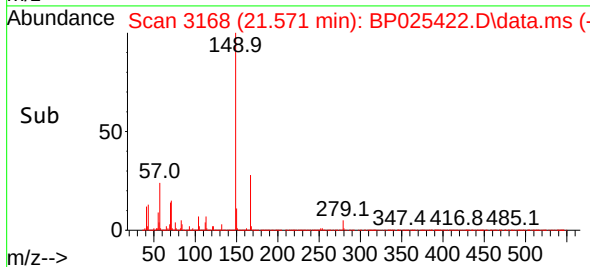
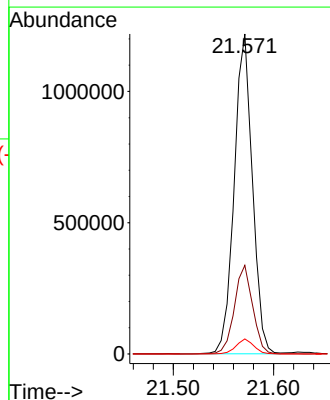
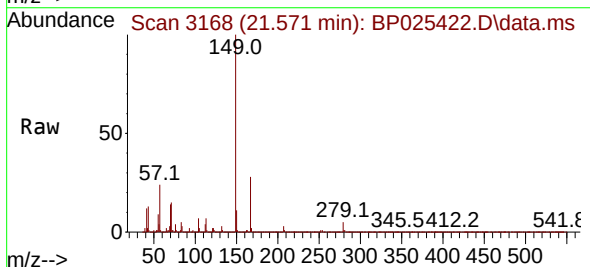
Delta R.T. -0.012 min

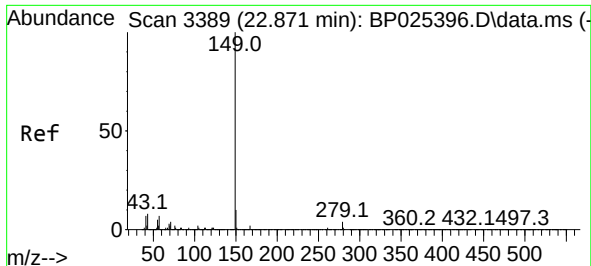
Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1539693

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.7	3.8	5.6

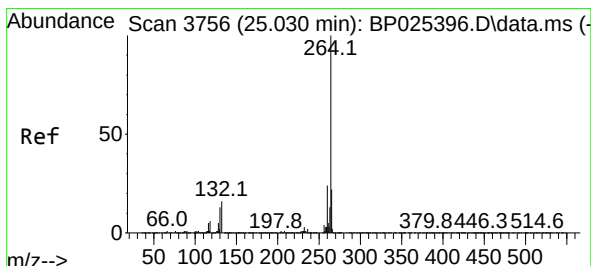
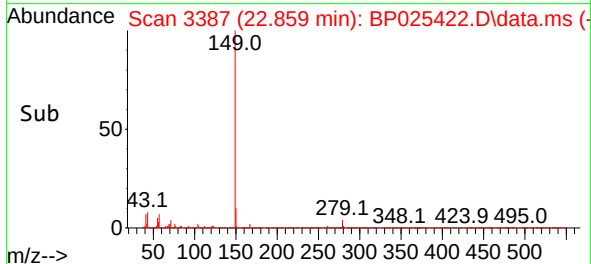
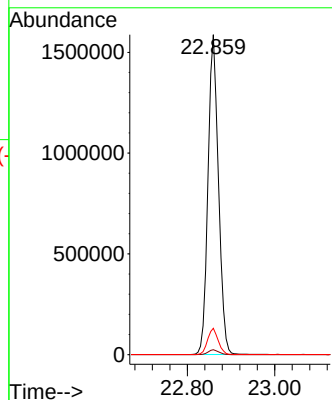
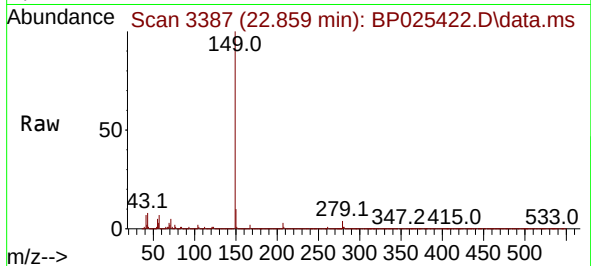




#85
Di-n-octyl phthalate
Concen: 37.018 ng
RT: 22.859 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

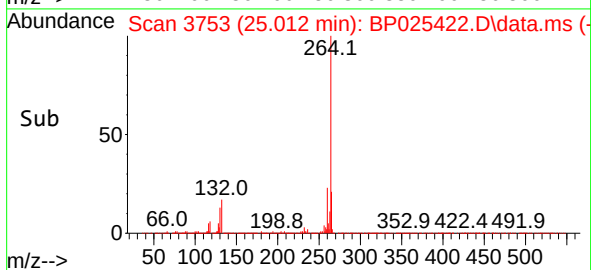
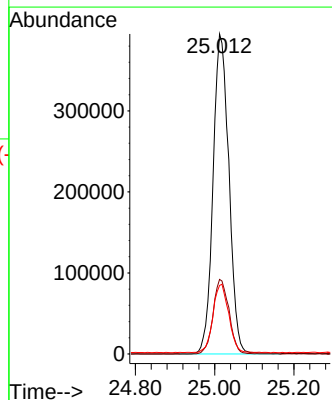
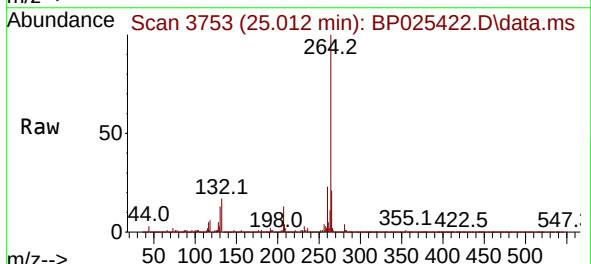
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

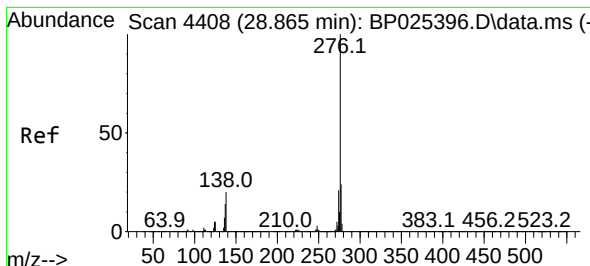
Tgt Ion:149 Resp: 2645927
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:264 Resp: 1096861
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.082 ng

RT: 28.865 min Scan# 4408

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

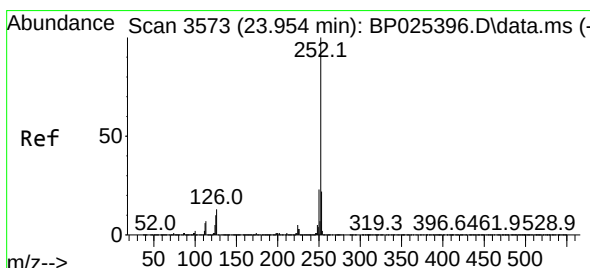
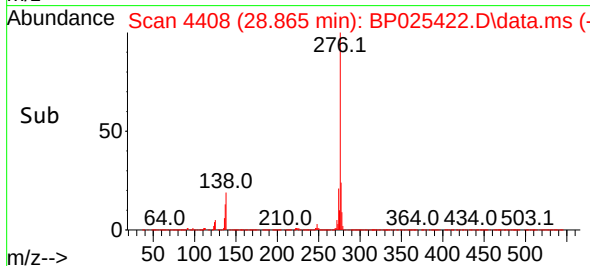
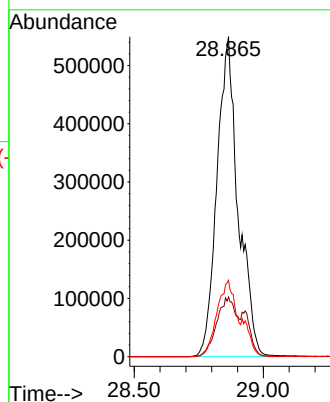
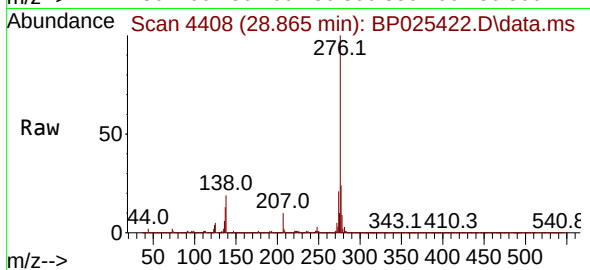
Tgt Ion:276 Resp: 3143696

Ion Ratio Lower Upper

276 100

138 17.7 12.9 19.3

277 21.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 38.843 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

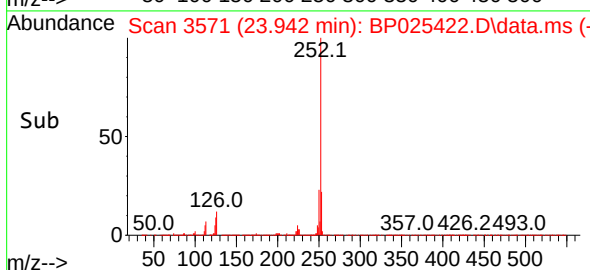
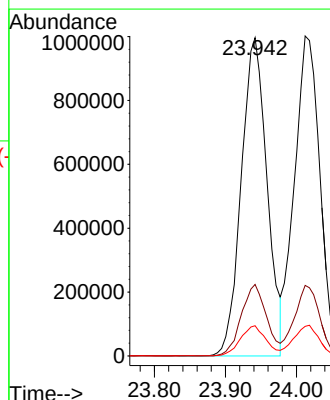
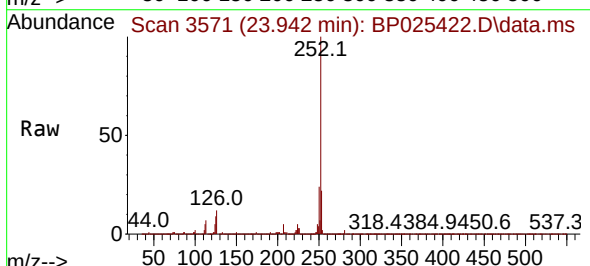
Tgt Ion:252 Resp: 2512340

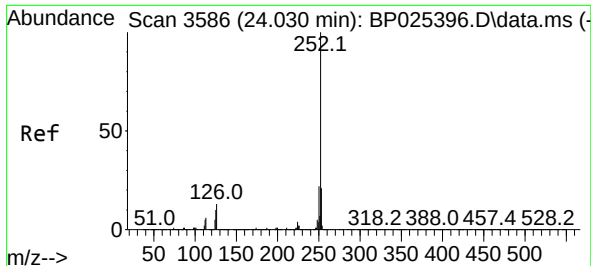
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 9.5 7.9 11.9

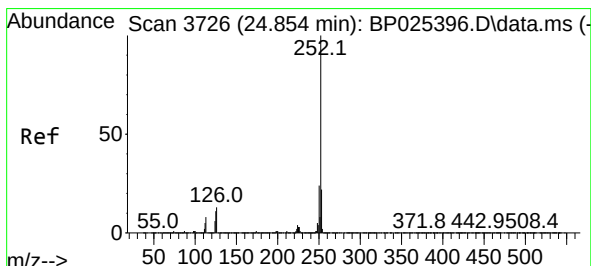
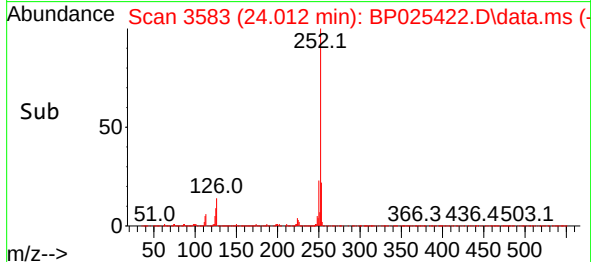
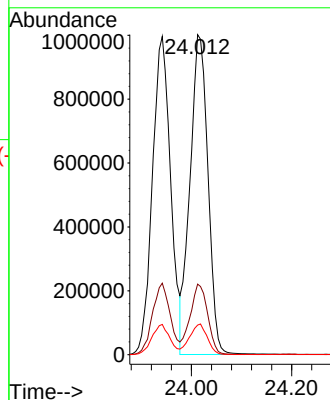
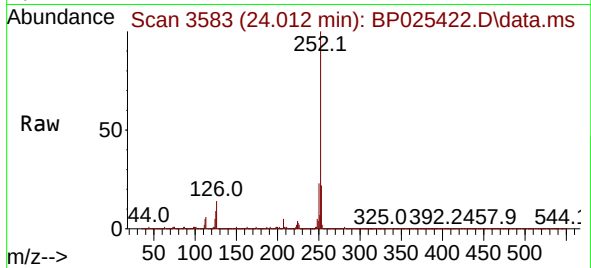




#89
Benzo(k)fluoranthene
Concen: 38.446 ng
RT: 24.012 min Scan# 3586
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

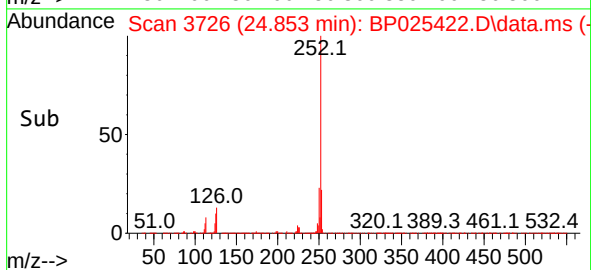
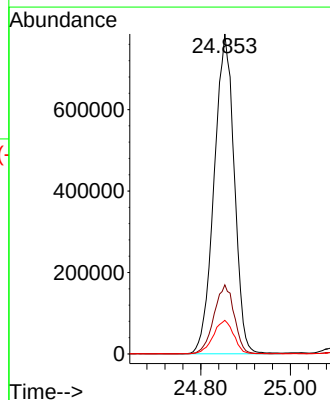
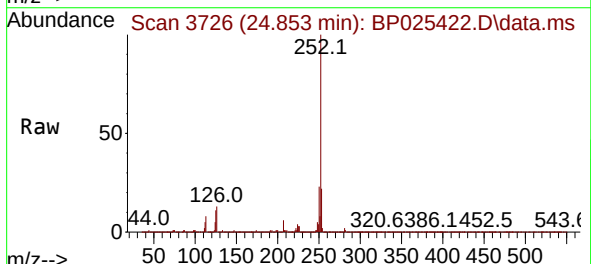
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

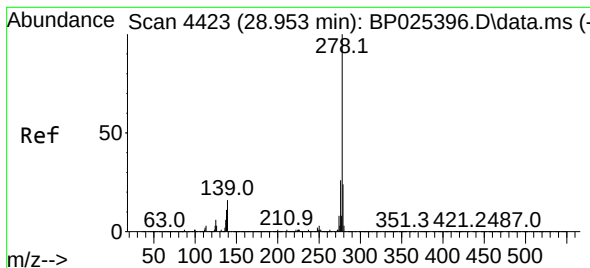
Tgt Ion:252 Resp: 2488345
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 9.3 7.8 11.6



#90
Benzo(a)pyrene
Concen: 38.805 ng
RT: 24.853 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 2443181
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 39.482 ng

RT: 28.930 min Scan# 4423

Delta R.T. -0.024 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

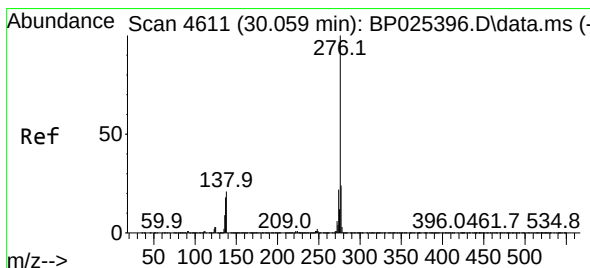
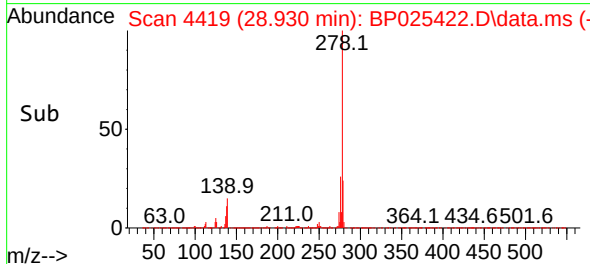
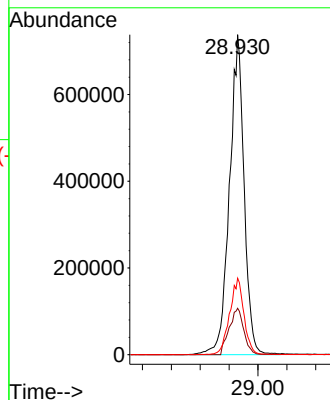
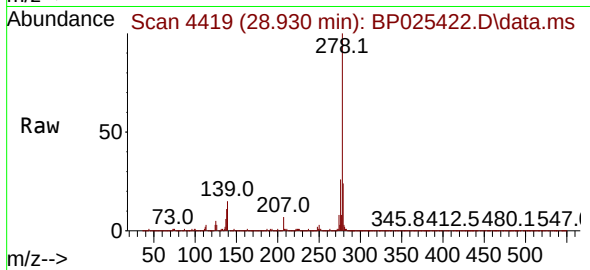
Tgt Ion:278 Resp: 2595384

Ion Ratio Lower Upper

278 100

139 14.5 13.0 19.4

279 23.9 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 39.255 ng

RT: 30.012 min Scan# 4603

Delta R.T. -0.047 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

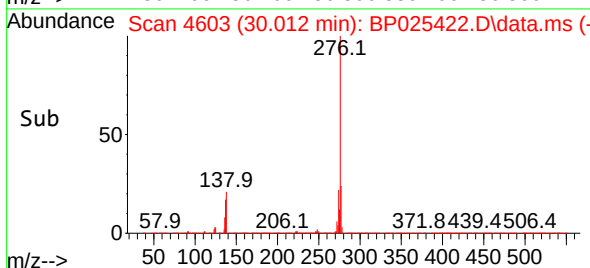
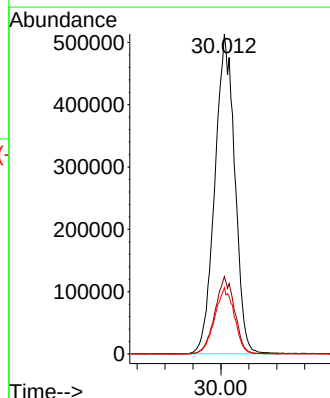
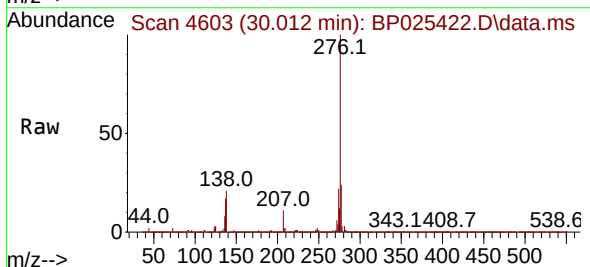
Tgt Ion:276 Resp: 2536518

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 20.7 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025436.D
 Acq On : 15 Aug 2025 21:03
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 18 01:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	166135	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	710479	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	456766	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	916670	20.000	ng	0.00
76) Chrysene-d12	21.630	240	933454	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1056853	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	862200	86.186	ng	0.00
7) Phenol-d6	6.967	99	1135967	88.568	ng	0.00
23) Nitrobenzene-d5	8.931	82	1224664	87.195	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	544037	88.488	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2790655	83.499	ng	0.00
79) Terphenyl-d14	19.913	244	4367516	85.603	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	160658	41.000	ng	98
3) Pyridine	3.725	79	439304	40.960	ng	94
4) n-Nitrosodimethylamine	3.637	42	200626	45.373	ng	96
6) Aniline	7.125	93	757650	43.843	ng	99
8) 2-Chlorophenol	7.367	128	495342	43.878	ng	99
9) Benzaldehyde	6.937	77	437036	48.635	ng	98
10) Phenol	6.996	94	590307	43.862	ng	98
11) bis(2-Chloroethyl)ether	7.214	93	453562	43.239	ng	99
12) 1,3-Dichlorobenzene	7.684	146	543009	43.622	ng	99
13) 1,4-Dichlorobenzene	7.825	146	546465	42.950	ng	99
14) 1,2-Dichlorobenzene	8.137	146	530443	43.069	ng	97
15) Benzyl Alcohol	8.025	79	454736	44.621	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.308	45	634562	45.158	ng	99
17) 2-Methylphenol	8.219	107	414498	44.345	ng	98
18) Hexachloroethane	8.861	117	206177	44.074	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	368678	43.396	ng	98
20) 3+4-Methylphenols	8.543	107	564553	43.573	ng	97
22) Acetophenone	8.596	105	762747	42.809	ng	# 98
24) Nitrobenzene	8.972	77	551258	43.917	ng	100
25) Isophorone	9.496	82	1033357	41.573	ng	98
26) 2-Nitrophenol	9.672	139	283328	43.982	ng	100
27) 2,4-Dimethylphenol	9.737	122	481271	43.443	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	637027	42.398	ng	99
29) 2,4-Dichlorophenol	10.208	162	486914	44.245	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	515873	42.762	ng	98
31) Naphthalene	10.613	128	1558976	42.217	ng	99
32) Benzoic acid	9.878	122	346284	42.339	ng	94
33) 4-Chloroaniline	10.713	127	693770	42.532	ng	99
34) Hexachlorobutadiene	10.902	225	326490	43.456	ng	99
35) Caprolactam	11.496	113	167685	41.554	ng	98
36) 4-Chloro-3-methylphenol	11.831	107	539188	42.698	ng	96
37) 2-Methylnaphthalene	12.207	142	1008537	41.968	ng	98
38) 1-Methylnaphthalene	12.431	142	1057345	41.373	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	577904	43.807	ng	99
41) Hexachlorocyclopentadiene	12.566	237	295524	37.087	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	398621	44.759	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025436.D
 Acq On : 15 Aug 2025 21:03
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

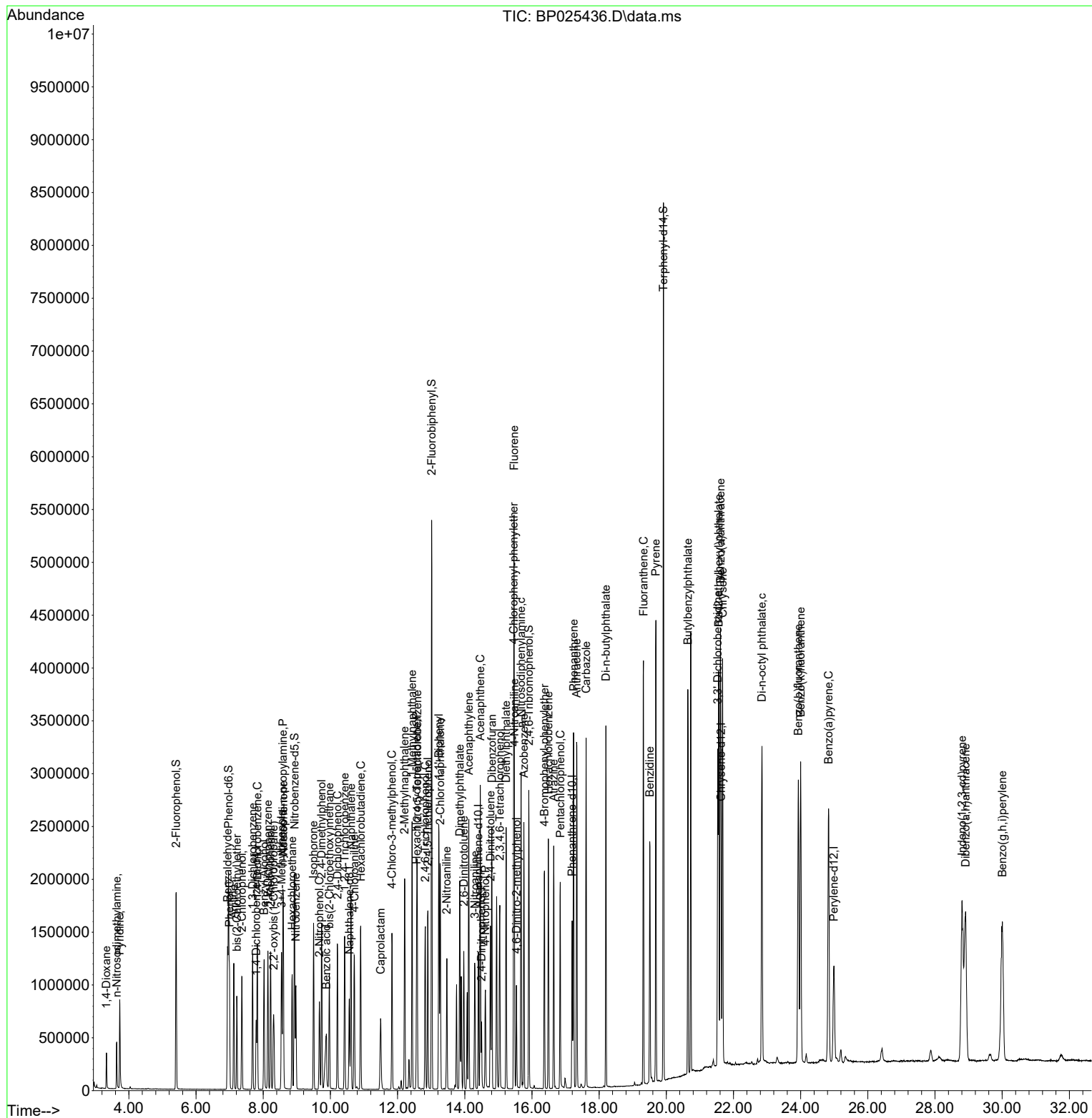
Quant Time: Aug 18 01:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

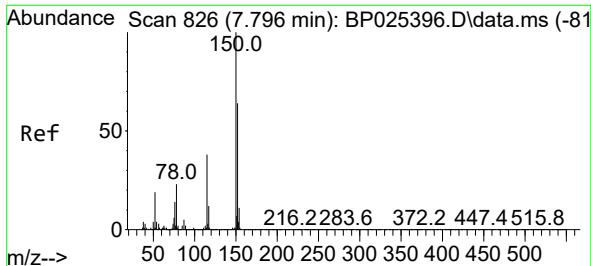
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	440218	45.101	ng	99
46) 1,1'-Biphenyl	13.225	154	1452635	43.790	ng	99
47) 2-Chloronaphthalene	13.272	162	1120958	43.406	ng	98
48) 2-Nitroaniline	13.466	65	348676	46.337	ng	98
49) Acenaphthylene	14.119	152	1830675	42.840	ng	100
50) Dimethylphthalate	13.849	163	1455084	43.502	ng	99
51) 2,6-Dinitrotoluene	13.972	165	318483	45.175	ng	98
52) Acenaphthene	14.460	154	1067358	42.553	ng	99
53) 3-Nitroaniline	14.296	138	356395	44.932	ng	99
54) 2,4-Dinitrophenol	14.501	184	122865	32.634	ng	96
55) Dibenzofuran	14.807	168	1689125	42.593	ng	99
56) 4-Nitrophenol	14.613	139	295639	45.358	ng	94
57) 2,4-Dinitrotoluene	14.766	165	454531	45.189	ng	99
58) Fluorene	15.466	166	1287972	41.160	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.043	232	380952	44.201	ng	97
60) Diethylphthalate	15.231	149	1468089	43.195	ng	100
61) 4-Chlorophenyl-phenyle...	15.454	204	641804	41.240	ng	96
62) 4-Nitroaniline	15.478	138	350711	43.130	ng	95
63) Azobenzene	15.760	77	1297353	44.580	ng	98
65) 4,6-Dinitro-2-methylph...	15.543	198	201944	35.341	ng	97
66) n-Nitrosodiphenylamine	15.678	169	1208784	43.243	ng	98
67) 4-Bromophenyl-phenylether	16.372	248	442865	43.928	ng	98
68) Hexachlorobenzene	16.490	284	498920	42.691	ng	99
69) Atrazine	16.648	200	458257	43.775	ng	96
70) Pentachlorophenol	16.842	266	327120	44.342	ng	98
71) Phenanthrene	17.242	178	2130157	42.302	ng	100
72) Anthracene	17.331	178	2204625	42.872	ng	99
73) Carbazole	17.613	167	2067991	42.695	ng	99
74) Di-n-butylphthalate	18.201	149	2603783	43.693	ng	100
75) Fluoranthene	19.319	202	2518758	41.933	ng	99
77) Benzidine	19.507	184	1508404	47.349	ng	100
78) Pyrene	19.689	202	2619981	43.183	ng	100
80) Butylbenzylphthalate	20.642	149	1256440	45.693	ng	99
81) Benzo(a)anthracene	21.613	228	2626516	42.665	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	1026166	44.224	ng	100
83) Chrysene	21.677	228	2465631	42.767	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1800639	44.485	ng	99
85) Di-n-octyl phthalate	22.848	149	3138516	45.079	ng	99
87) Indeno(1,2,3-cd)pyrene	28.807	276	3296276	42.530	ng	99
88) Benzo(b)fluoranthene	23.930	252	2712012	43.518	ng	99
89) Benzo(k)fluoranthene	24.001	252	2673968	42.878	ng	99
90) Benzo(a)pyrene	24.830	252	2622614	43.232	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2716441	42.888	ng	98
92) Benzo(g,h,i)perylene	30.006	276	2661609	42.750	ng	100

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

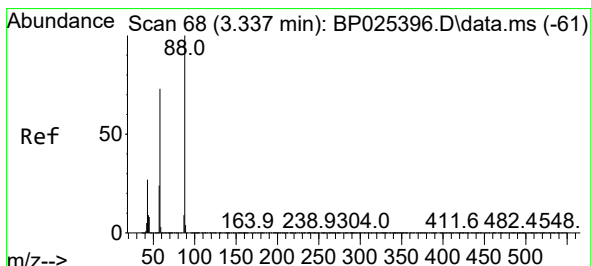
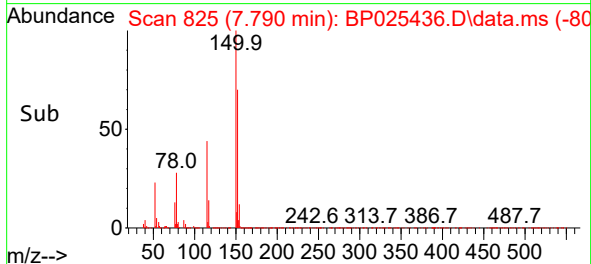
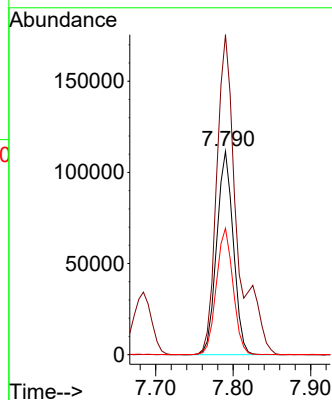
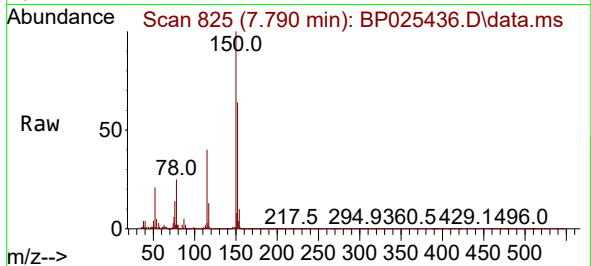




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

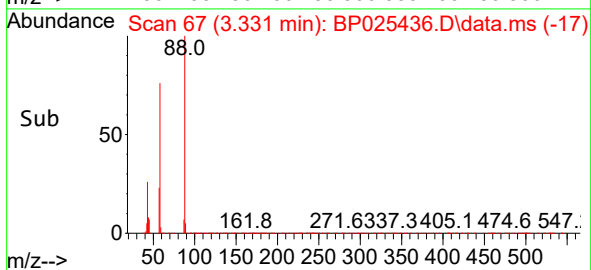
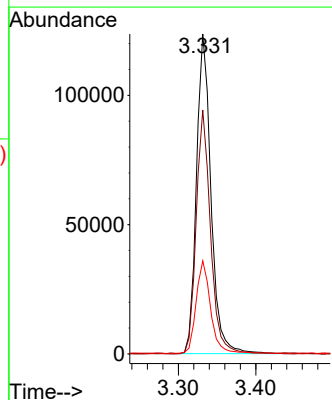
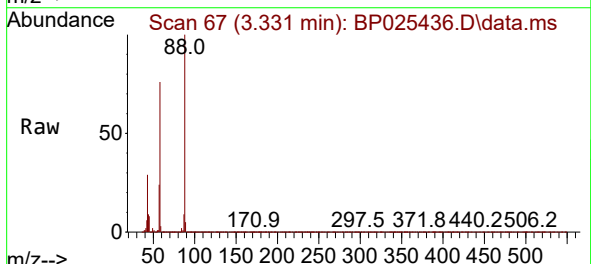
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

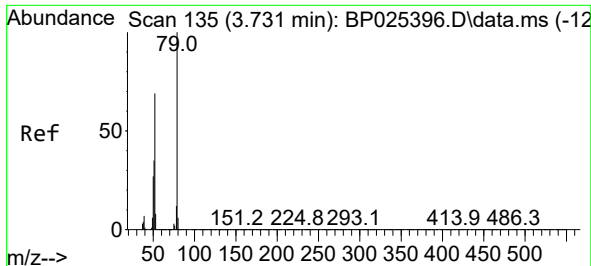
Tgt Ion:152 Resp: 166135
Ion Ratio Lower Upper
152 100
150 157.3 125.9 188.9
115 62.2 48.5 72.7



#2
1,4-Dioxane
Concen: 41.000 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 88 Resp: 160658
Ion Ratio Lower Upper
88 100
58 75.7 59.2 88.8
43 28.9 21.7 32.5

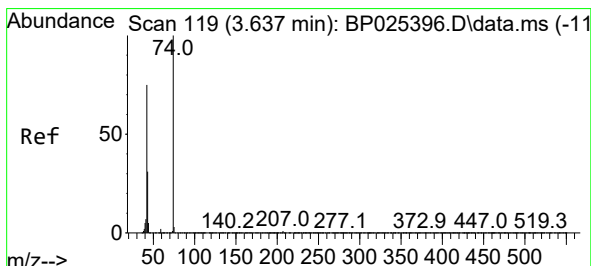
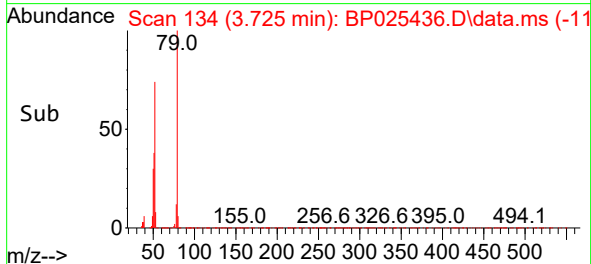
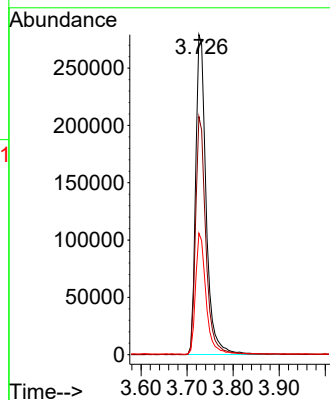
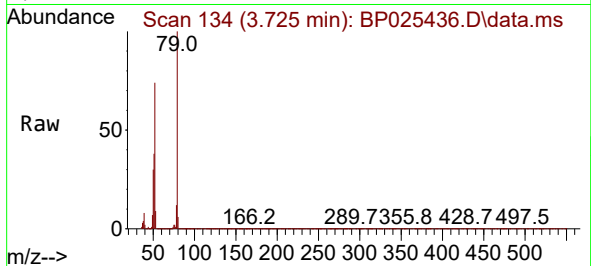




#3
Pyridine
Concen: 40.960 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

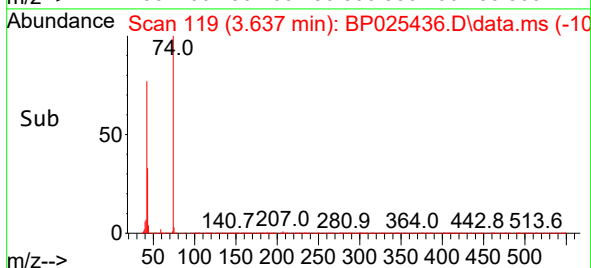
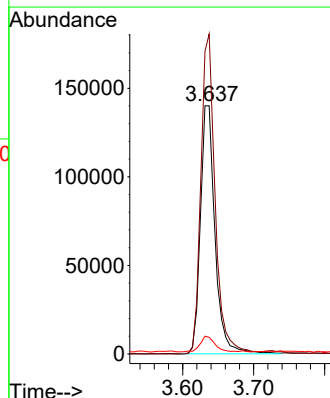
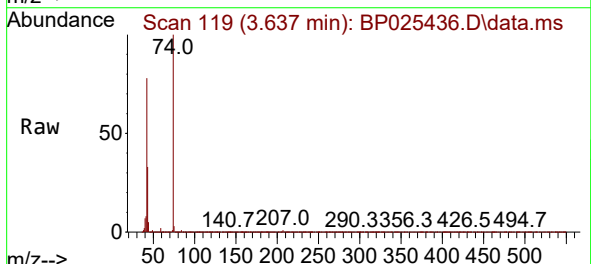
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

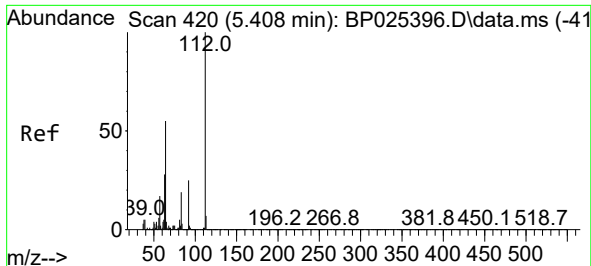
Tgt Ion: 79 Resp: 439304
Ion Ratio Lower Upper
79 100
52 74.4 55.5 83.3
51 38.0 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 45.373 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 42 Resp: 200626
Ion Ratio Lower Upper
42 100
74 128.9 107.0 160.4
44 6.7 6.2 9.4

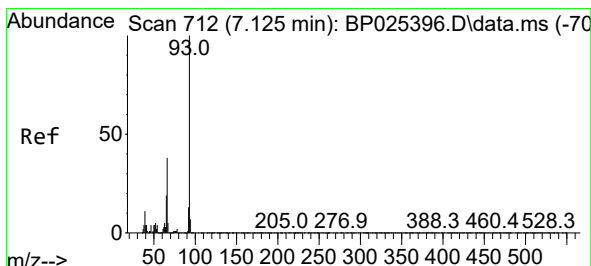
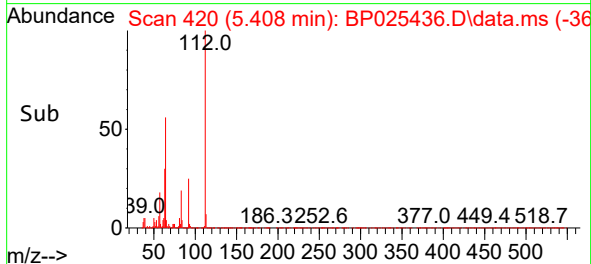
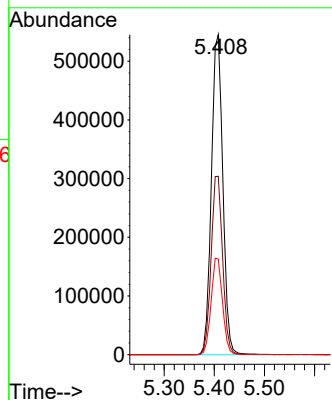
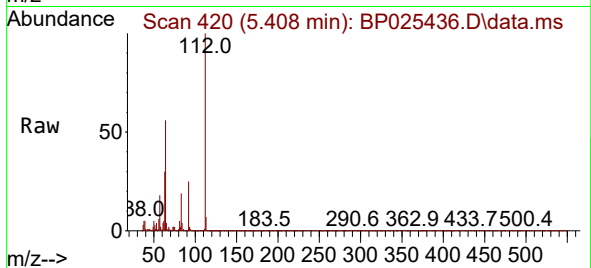




#5
2-Fluorophenol
Concen: 86.186 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

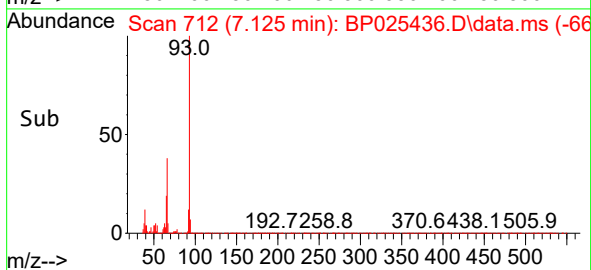
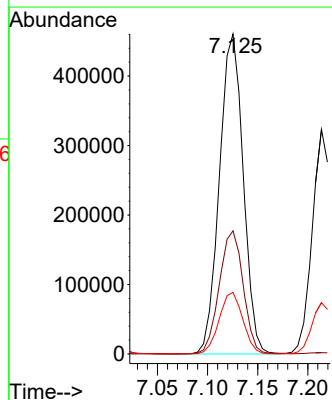
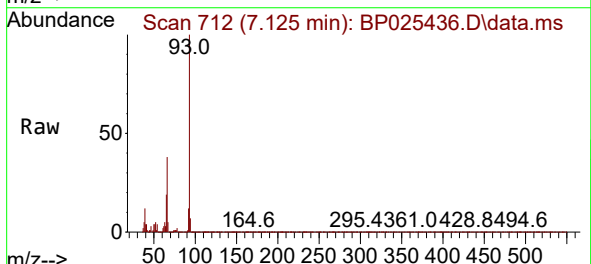
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

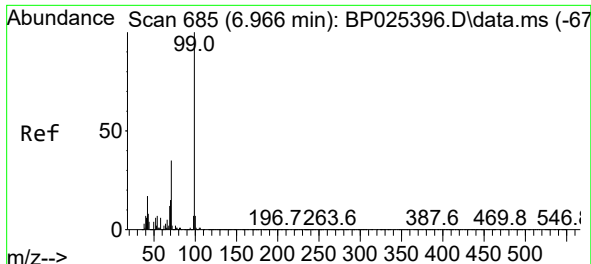
Tgt Ion:112 Resp: 862200
Ion Ratio Lower Upper
112 100
64 55.8 43.8 65.8
63 29.9 22.7 34.1



#6
Aniline
Concen: 43.843 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 93 Resp: 757650
Ion Ratio Lower Upper
93 100
66 38.5 30.4 45.6
65 19.3 15.3 22.9

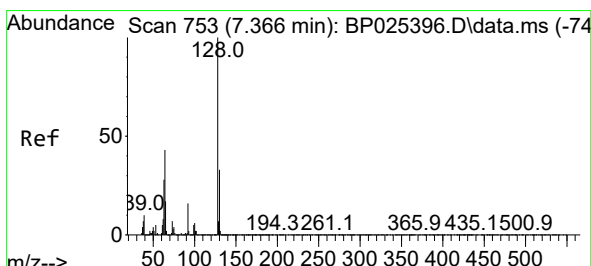
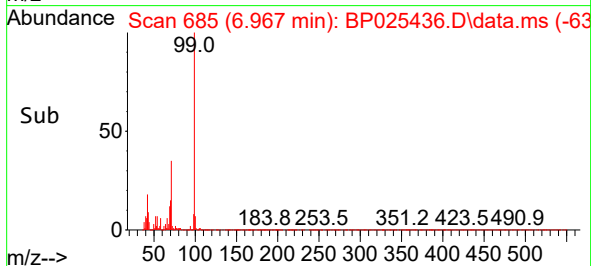
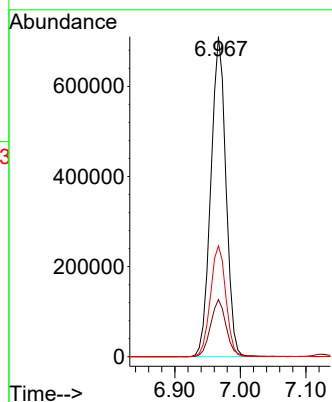
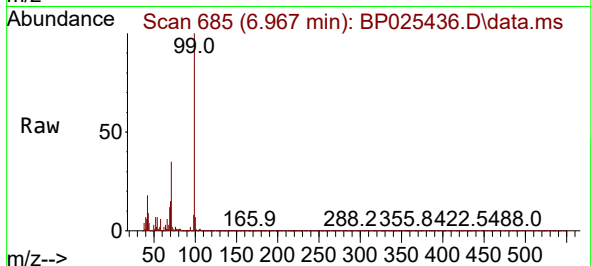




#7
Phenol-d6
Concen: 88.568 ng
RT: 6.967 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

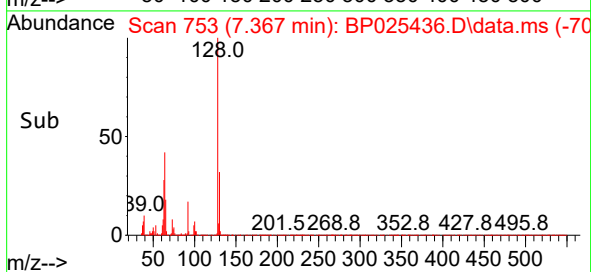
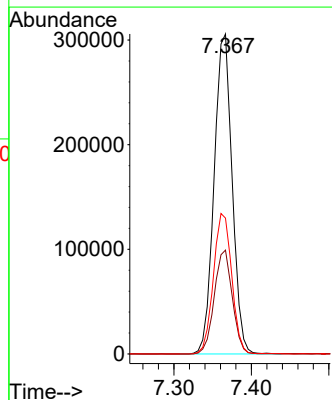
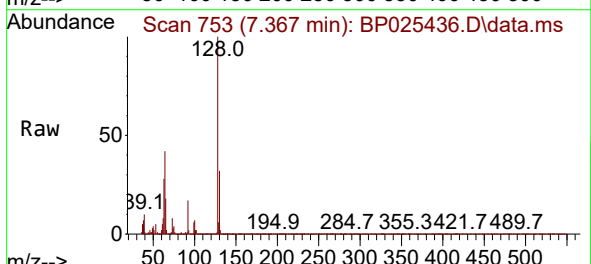
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

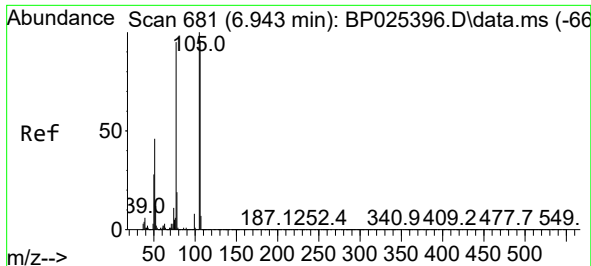
Tgt Ion: 99 Resp: 1135967
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 34.7 28.2 42.4



#8
2-Chlorophenol
Concen: 43.878 ng
RT: 7.367 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 128 Resp: 495342
Ion Ratio Lower Upper
128 100
130 32.5 12.6 52.6
64 42.4 23.4 63.4

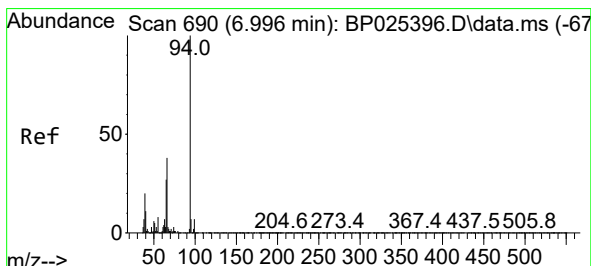
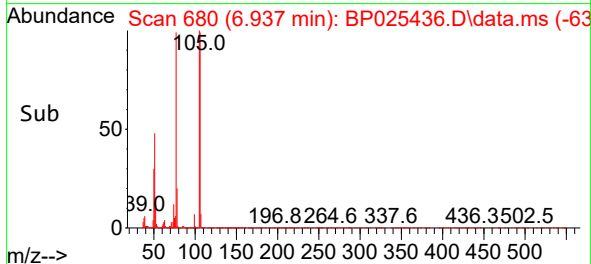
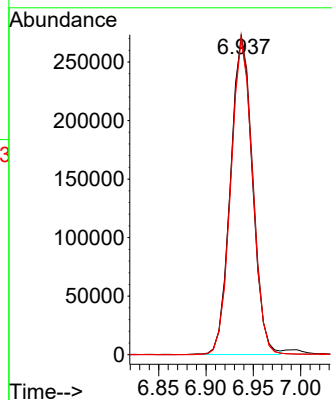
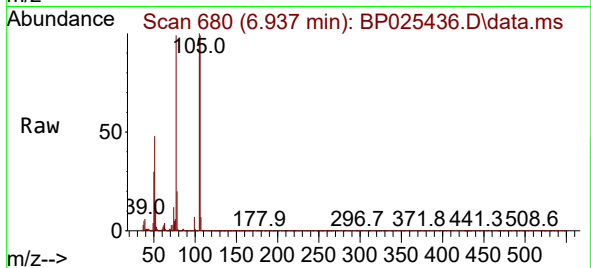




#9
Benzaldehyde
Concen: 48.635 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

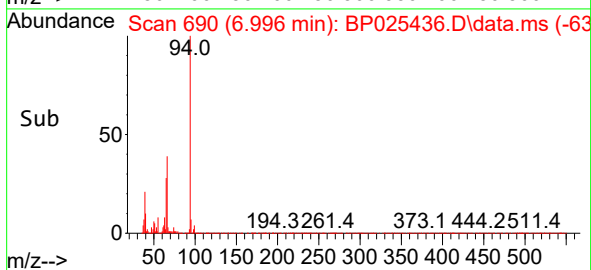
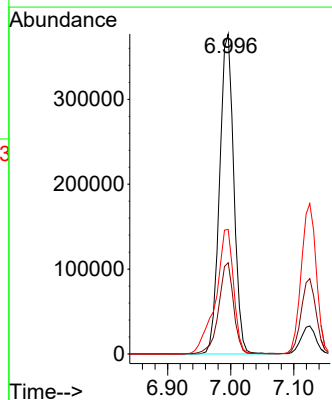
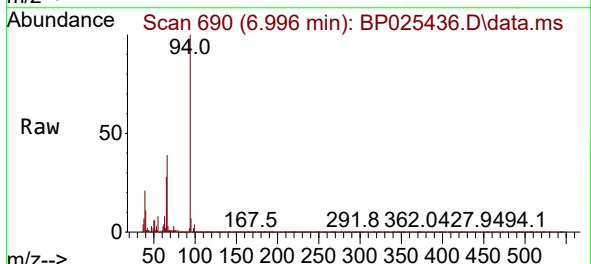
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

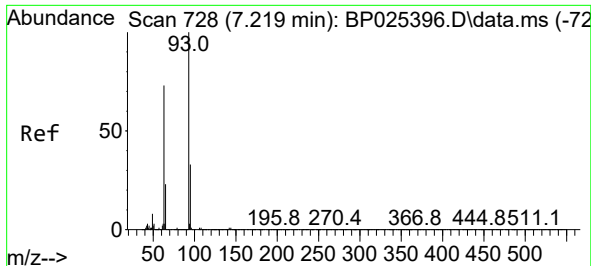
Tgt Ion: 77 Resp: 437036
Ion Ratio Lower Upper
77 100
105 101.5 84.8 124.8
106 100.1 80.5 120.5



#10
Phenol
Concen: 43.862 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 94 Resp: 590307
Ion Ratio Lower Upper
94 100
65 28.5 6.8 46.8
66 38.9 18.2 58.2

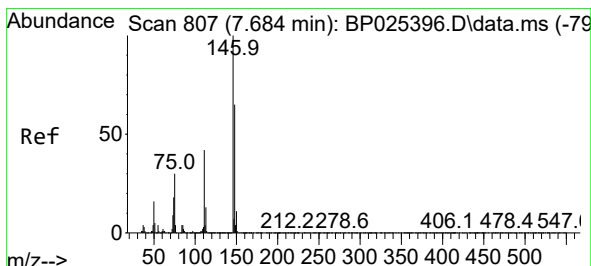
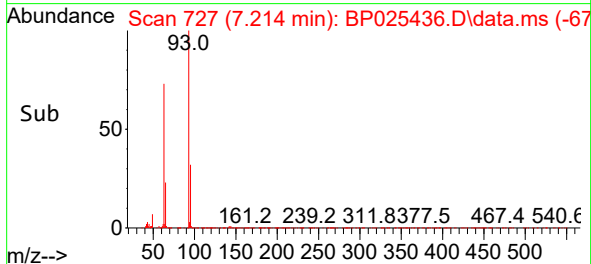
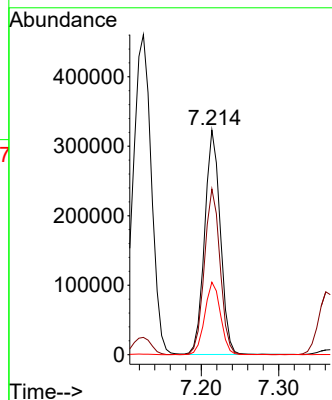
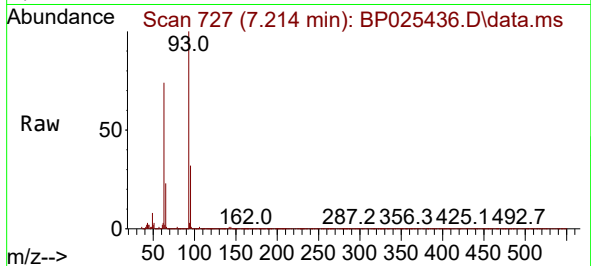




#11
 bis(2-Chloroethyl)ether
 Concen: 43.239 ng
 RT: 7.214 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

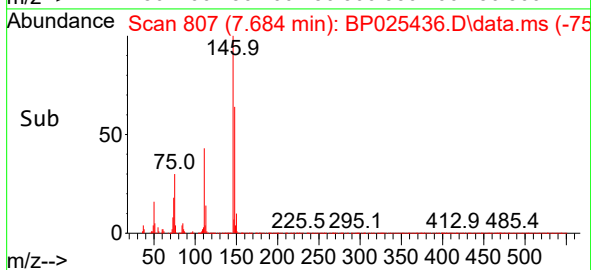
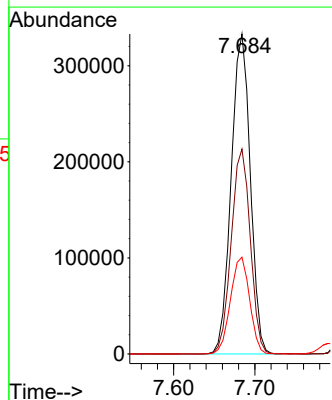
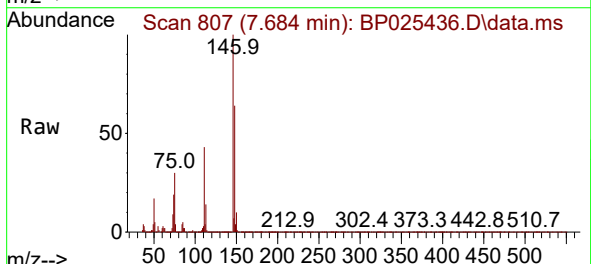
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

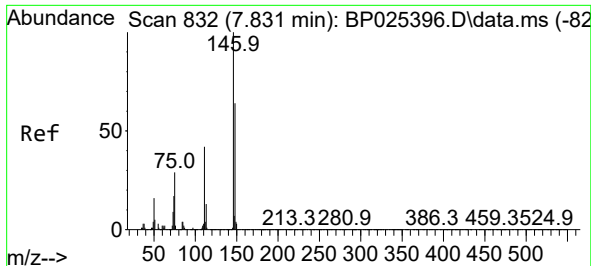
Tgt Ion: 93 Resp: 453562
 Ion Ratio Lower Upper
 93 100
 63 73.8 52.6 92.6
 95 32.3 12.7 52.7



#12
 1,3-Dichlorobenzene
 Concen: 43.622 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

Tgt Ion: 146 Resp: 543009
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.9 77.9
 75 30.2 23.7 35.5

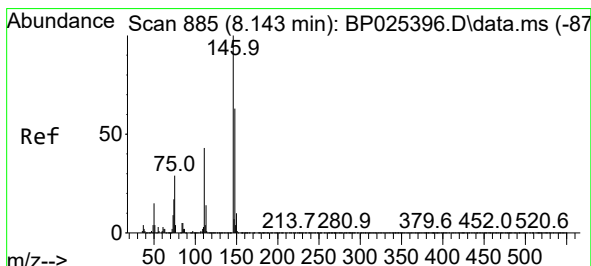
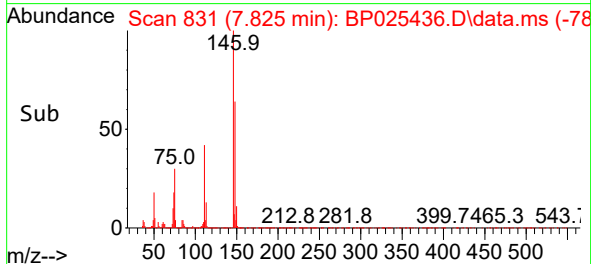
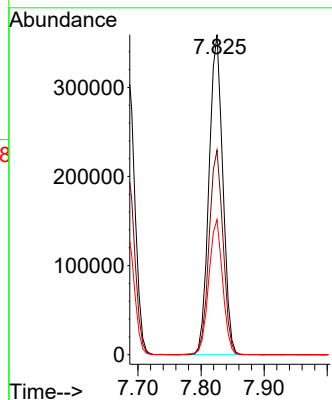
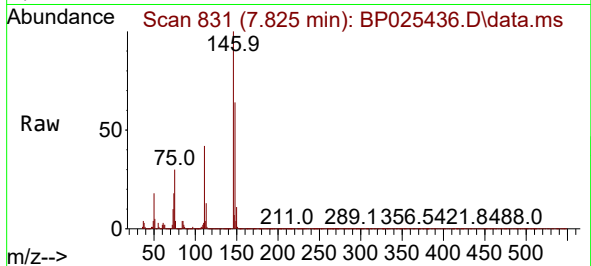




#13
1,4-Dichlorobenzene
Concen: 42.950 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

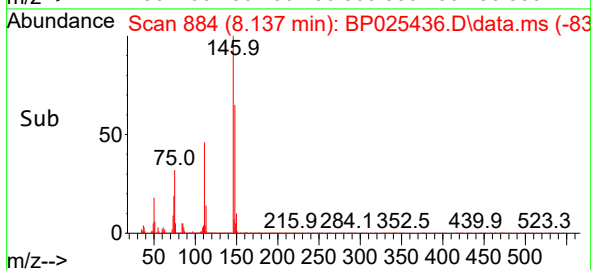
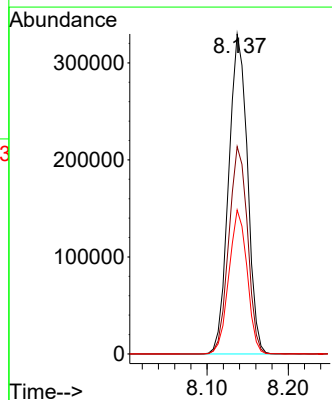
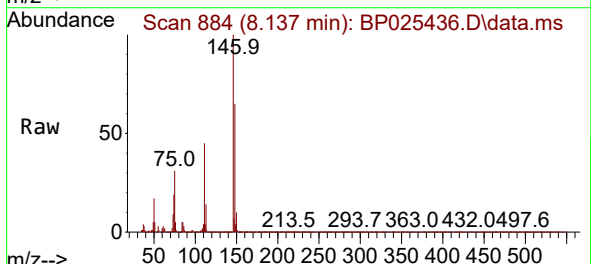
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

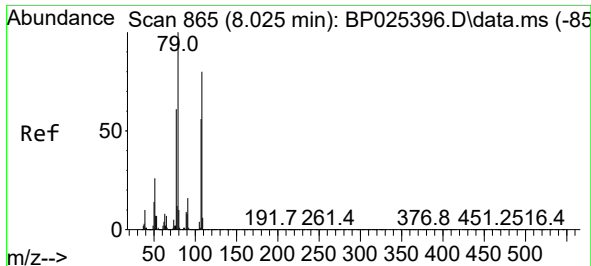
Tgt Ion:146 Resp: 546465
Ion Ratio Lower Upper
146 100
148 63.9 51.6 77.4
111 42.2 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 43.069 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:146 Resp: 530443
Ion Ratio Lower Upper
146 100
148 64.8 50.4 75.6
111 45.0 34.5 51.7

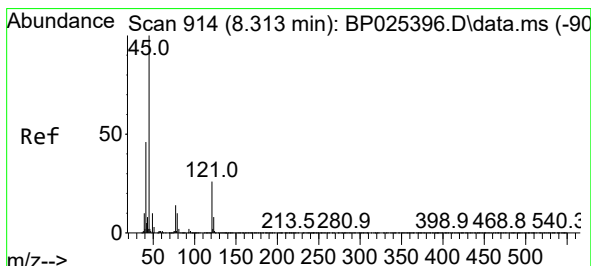
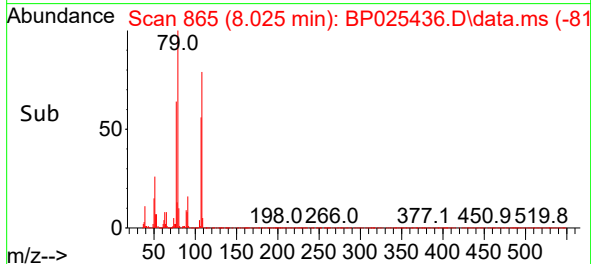
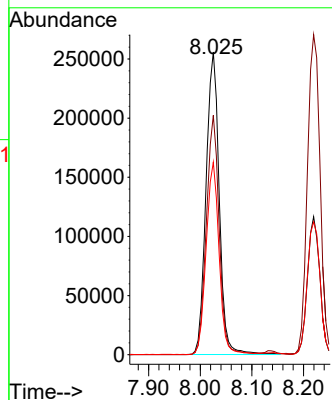
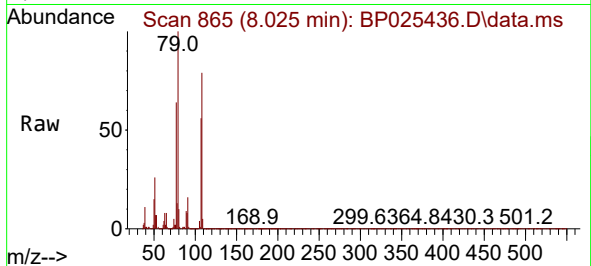




#15
Benzyl Alcohol
Concen: 44.621 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

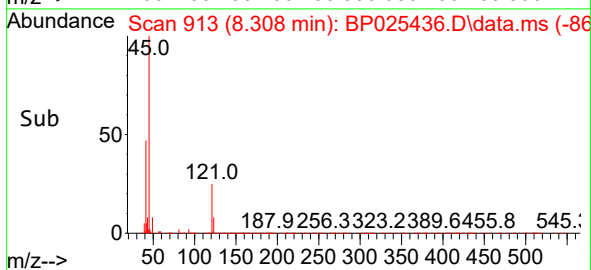
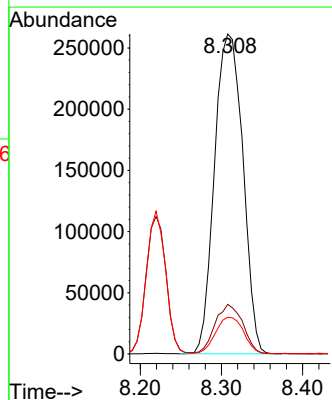
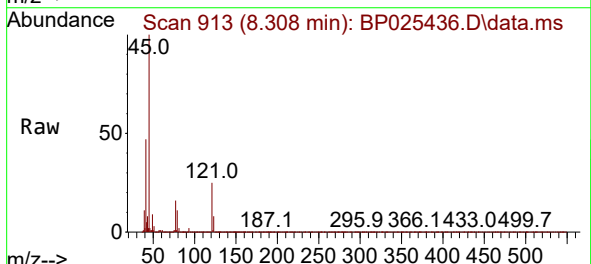
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

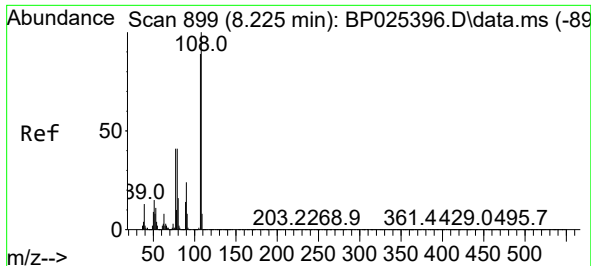
Tgt Ion: 79 Resp: 454736
Ion Ratio Lower Upper
79 100
108 79.1 63.8 95.6
77 63.6 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.158 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 45 Resp: 634562
Ion Ratio Lower Upper
45 100
77 15.5 0.0 35.3
79 11.5 0.0 31.8

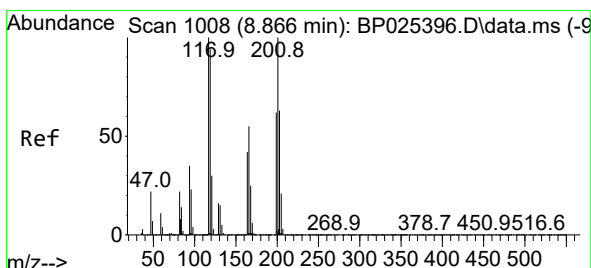
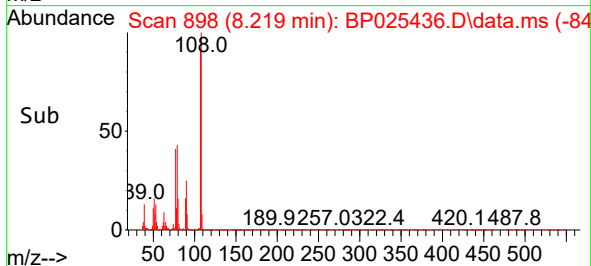
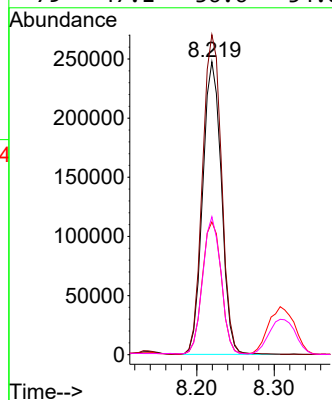
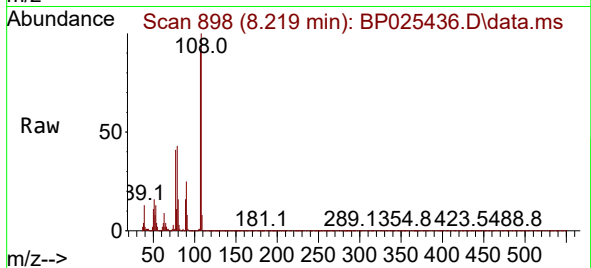




#17
2-Methylphenol
Concen: 44.345 ng
RT: 8.219 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

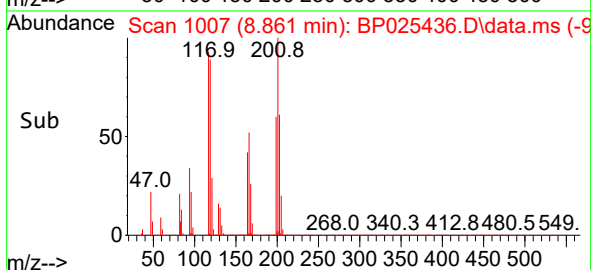
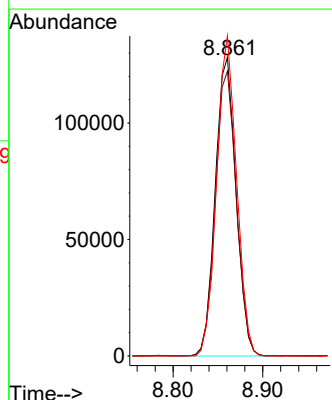
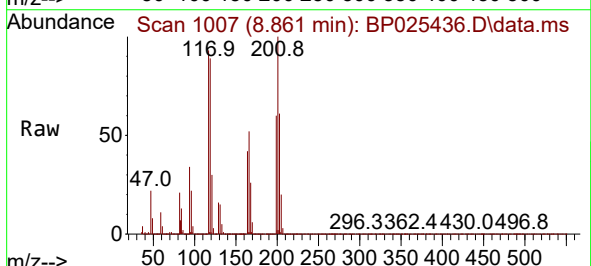
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

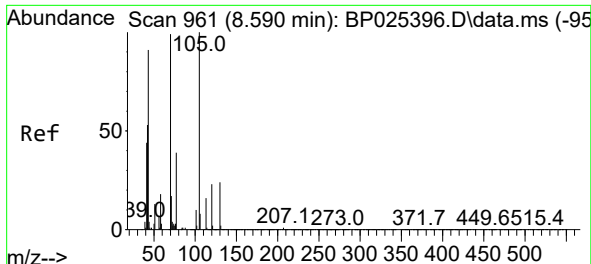
Tgt Ion:	107	Resp:	414498
Ion Ratio	Lower	Upper	
107	100		
108	109.3	89.4	134.0
77	45.3	36.3	54.5
79	47.1	36.6	54.8



#18
Hexachloroethane
Concen: 44.074 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:	117	Resp:	206177
Ion Ratio	Lower	Upper	
117	100		
119	95.4	75.1	112.7
201	107.2	80.1	120.1





#19

n-Nitroso-di-n-propylamine

Concen: 43.396 ng

RT: 8.584 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 368678

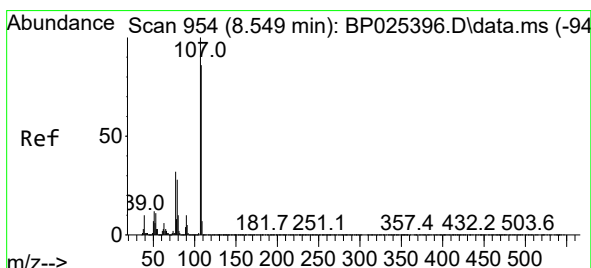
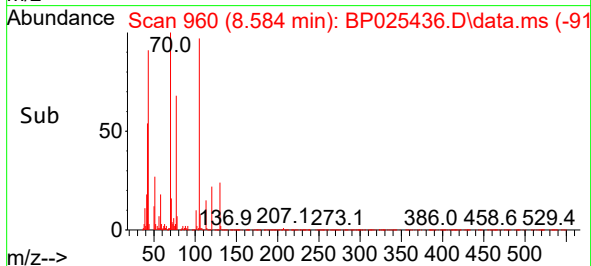
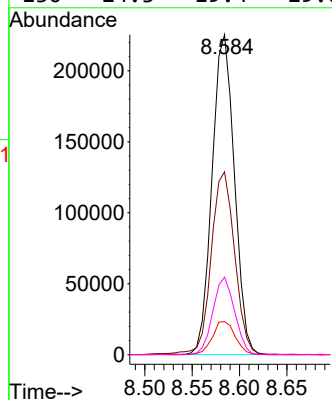
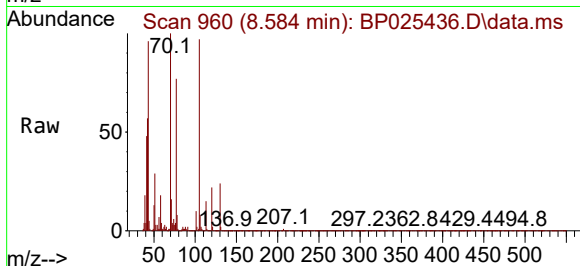
Ion Ratio Lower Upper

70 100

42 57.2 43.8 65.6

101 10.4 8.5 12.7

130 24.3 19.4 29.0



#20

3+4-Methylphenols

Concen: 43.573 ng

RT: 8.543 min Scan# 953

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Tgt Ion: 107 Resp: 564553

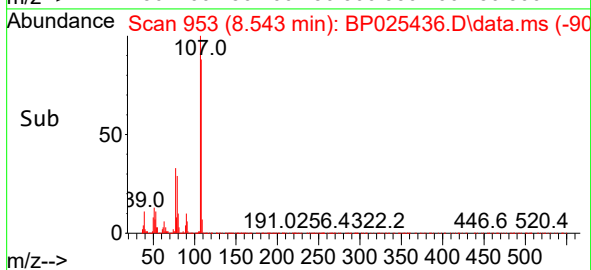
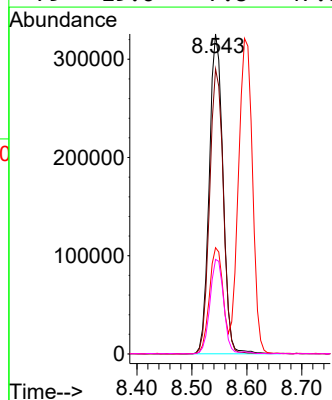
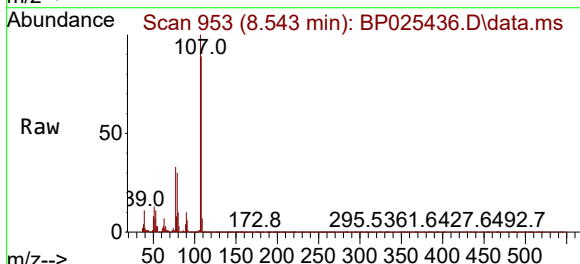
Ion Ratio Lower Upper

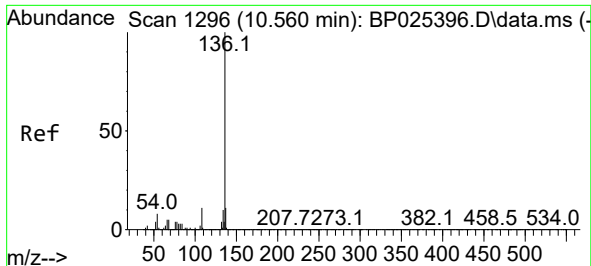
107 100

108 89.1 66.3 106.3

77 33.2 12.3 52.3

79 29.6 7.8 47.8

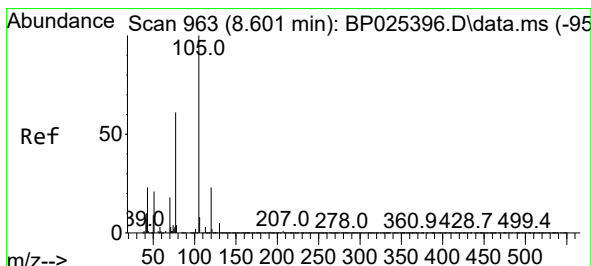
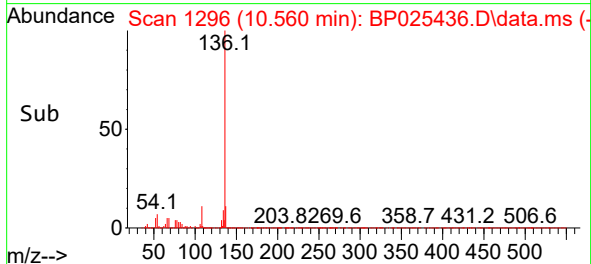
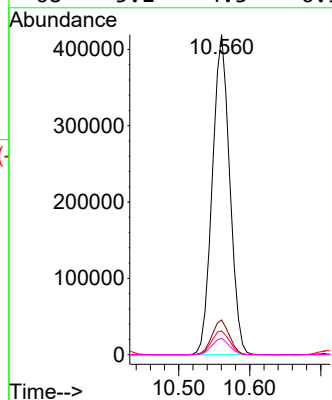
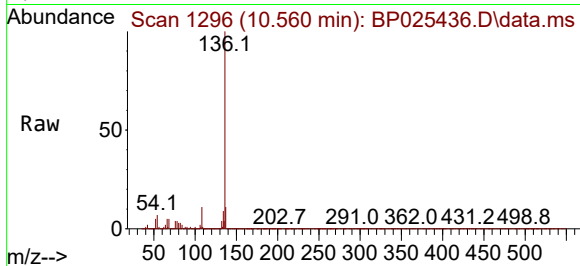




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

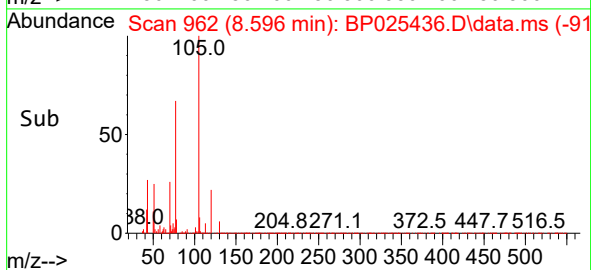
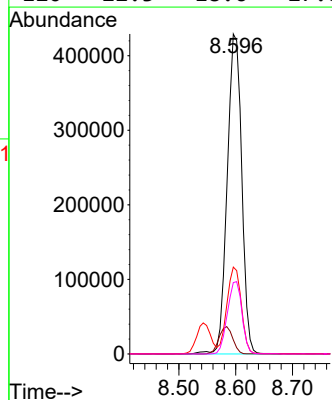
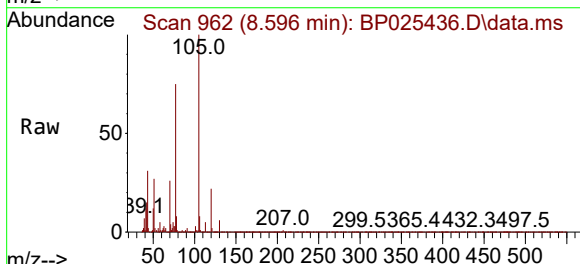
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

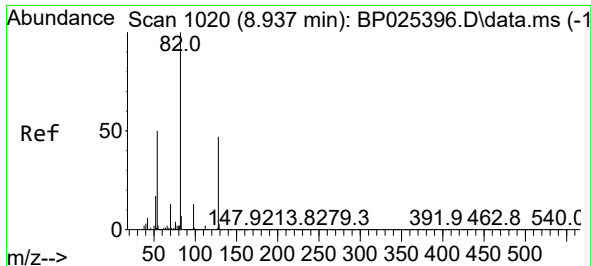
Tgt Ion:	136	Resp:	710479
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.2	13.8
54	7.5	6.0	9.0
68	5.1	4.3	6.5



#22
Acetophenone
Concen: 42.809 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:	105	Resp:	762747
Ion Ratio	Lower	Upper	
105	100		
71	4.4	2.6	4.0#
51	27.1	20.6	30.8
120	22.3	18.6	27.8

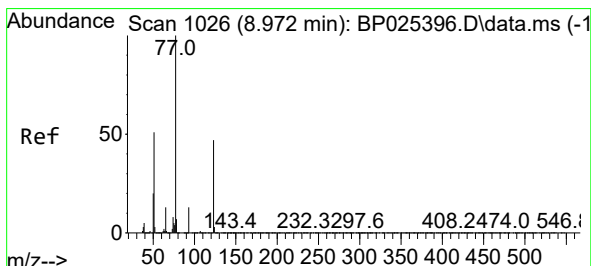
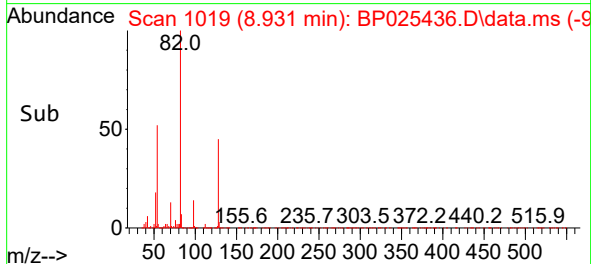
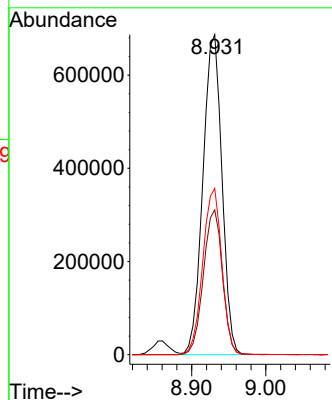
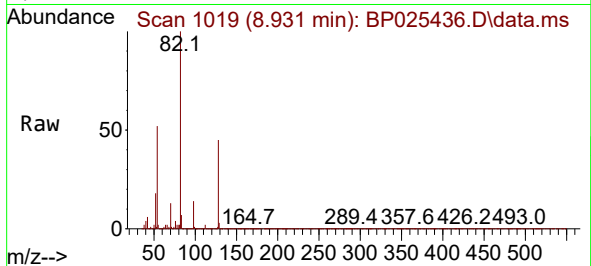




#23
Nitrobenzene-d5
Concen: 87.195 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

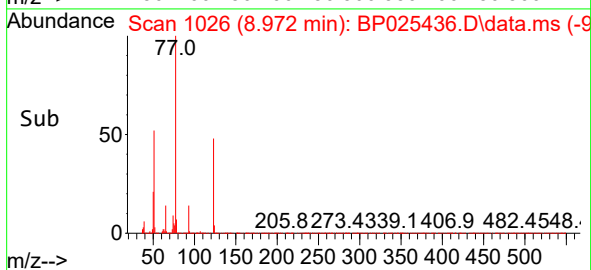
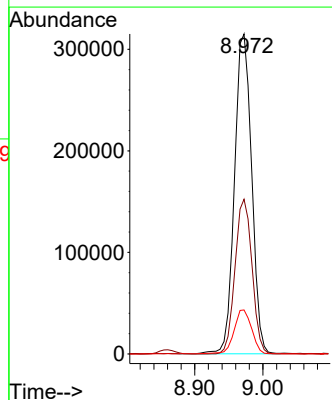
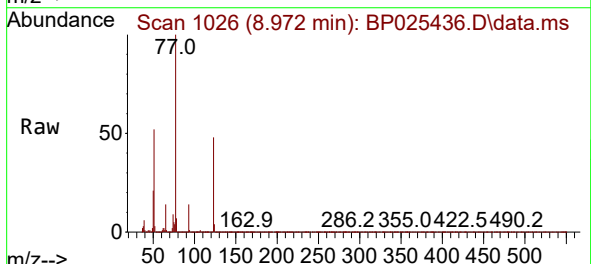
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

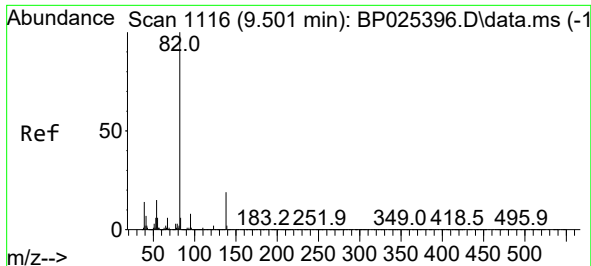
Tgt Ion: 82 Resp: 1224664
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 52.0 39.8 59.6



#24
Nitrobenzene
Concen: 43.917 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 77 Resp: 551258
Ion Ratio Lower Upper
77 100
123 48.4 38.6 58.0
65 13.8 10.6 15.8

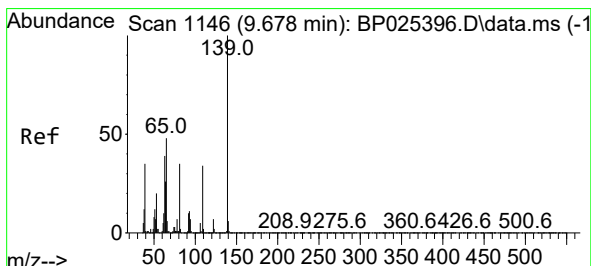
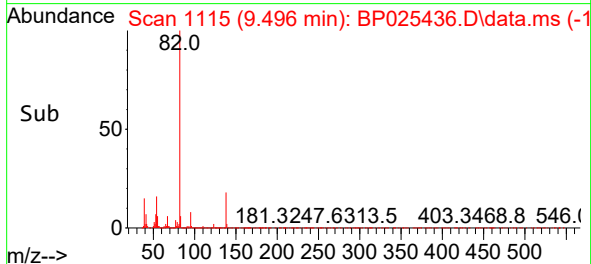
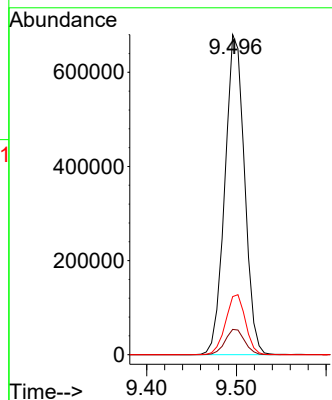
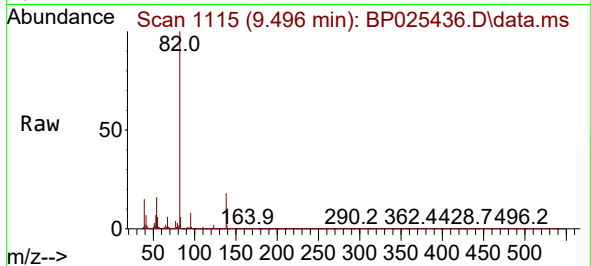




#25
Isophorone
Concen: 41.573 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

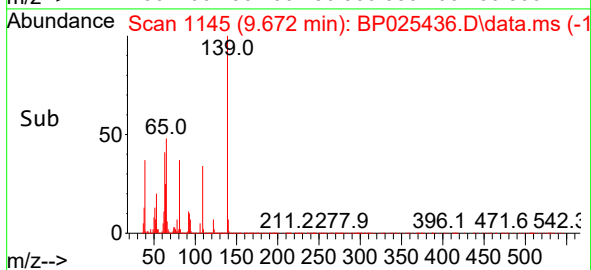
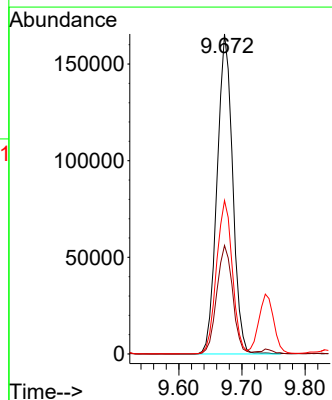
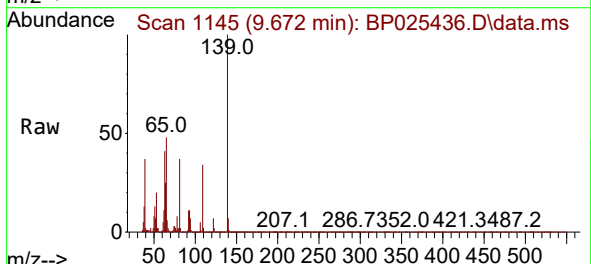
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

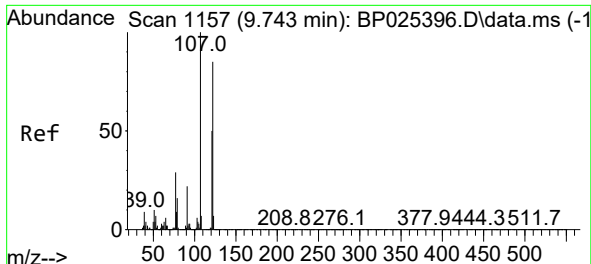
Tgt Ion: 82 Resp: 1033357
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.1 15.4 23.0



#26
2-Nitrophenol
Concen: 43.982 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 139 Resp: 283328
Ion Ratio Lower Upper
139 100
109 33.9 26.9 40.3
65 47.9 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 43.443 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

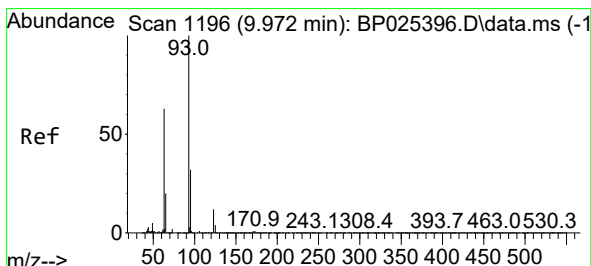
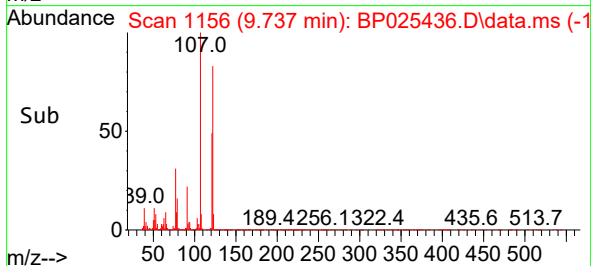
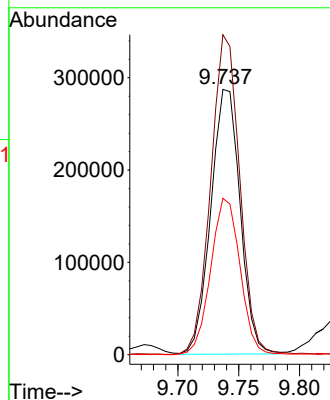
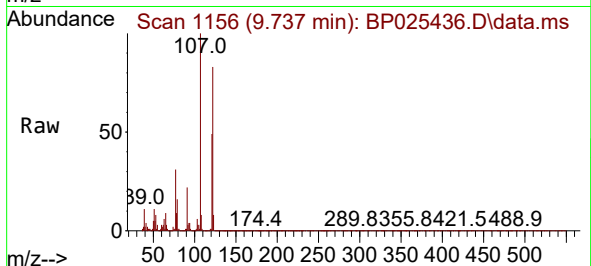
Tgt Ion:122 Resp: 481271

Ion Ratio Lower Upper

122 100

107 120.6 93.7 140.5

121 58.9 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 42.398 ng

RT: 9.966 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

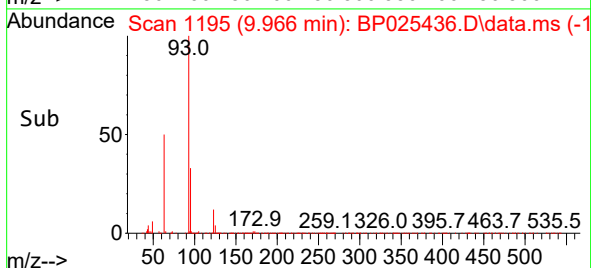
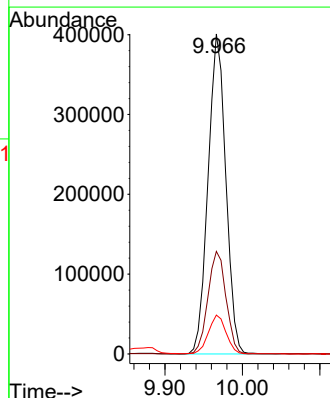
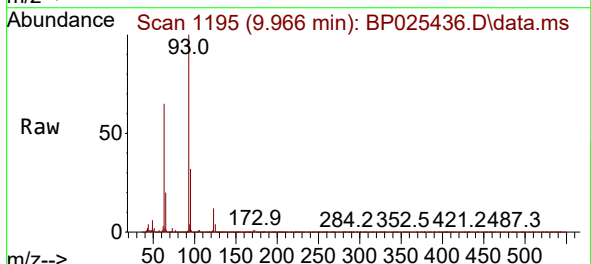
Tgt Ion: 93 Resp: 637027

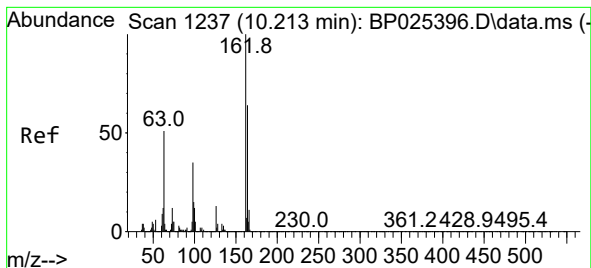
Ion Ratio Lower Upper

93 100

95 32.1 25.4 38.0

123 12.1 9.4 14.0

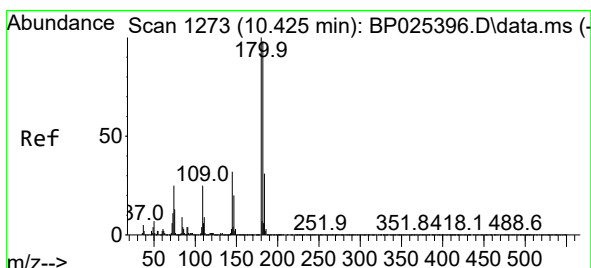
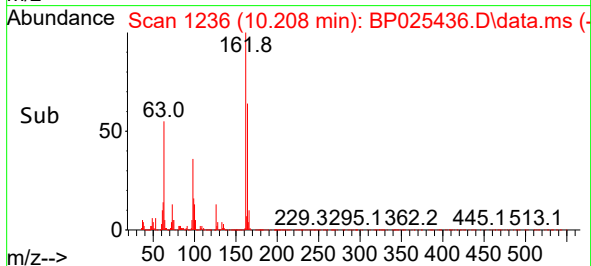
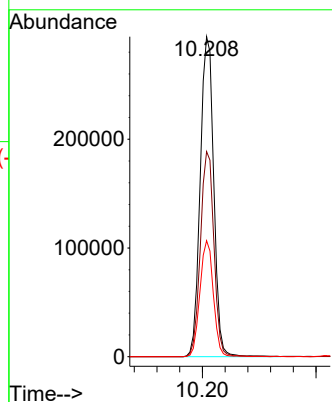
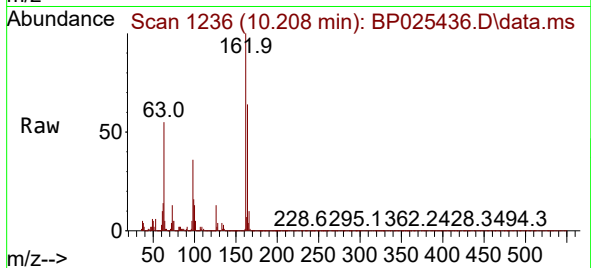




#29
2,4-Dichlorophenol
Concen: 44.245 ng
RT: 10.208 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

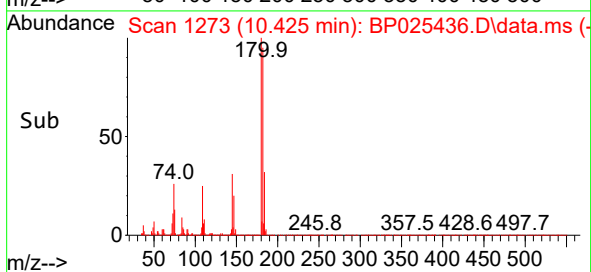
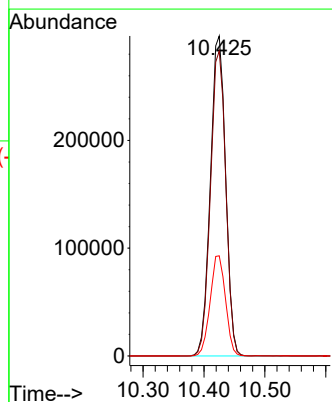
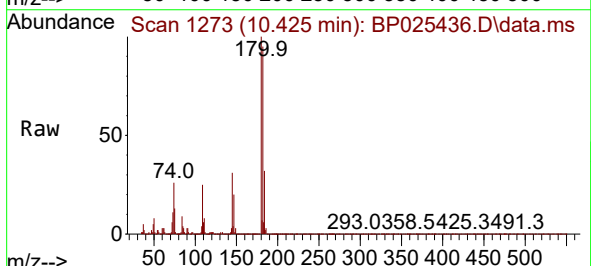
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

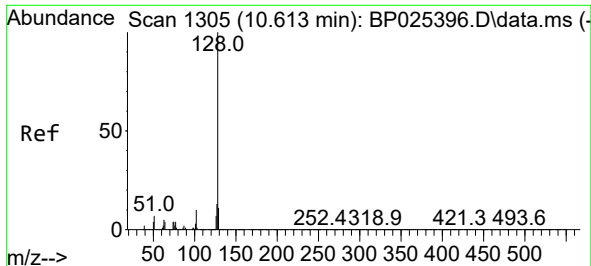
Tgt Ion:162 Resp: 486914
Ion Ratio Lower Upper
162 100
164 64.1 44.4 84.4
98 36.2 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 42.762 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:180 Resp: 515873
Ion Ratio Lower Upper
180 100
182 95.3 78.0 117.0
145 31.3 25.9 38.9

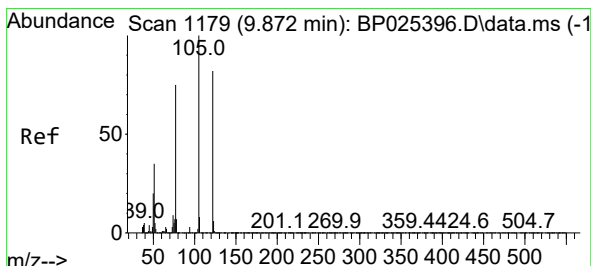
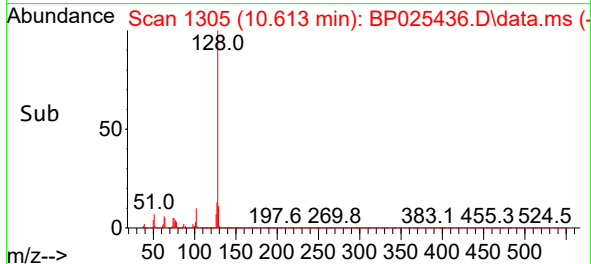
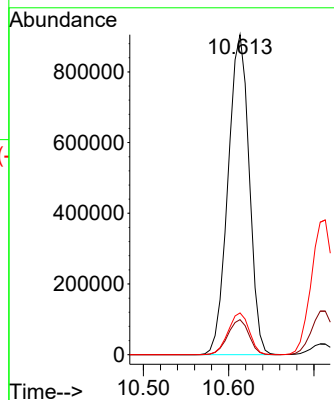
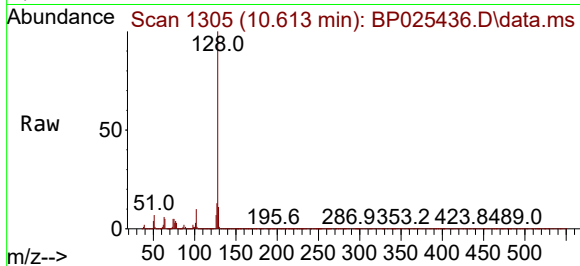




#31
Naphthalene
Concen: 42.217 ng
RT: 10.613 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

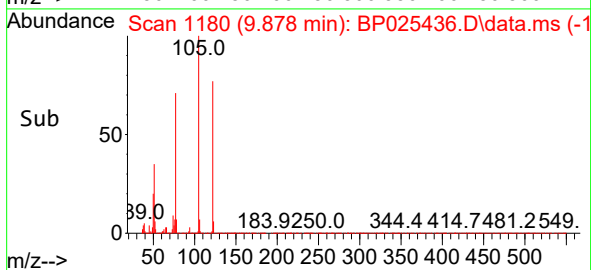
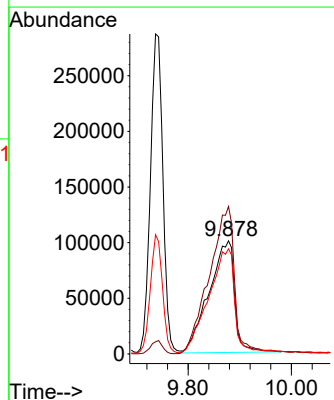
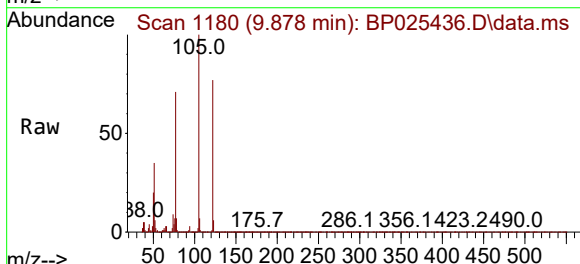
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

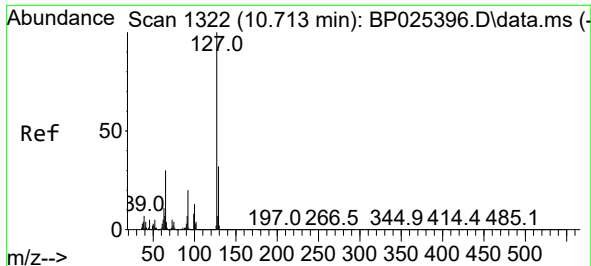
Tgt Ion:128 Resp: 1558976
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.0 10.7 16.1



#32
Benzoic acid
Concen: 42.339 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:122 Resp: 346284
Ion Ratio Lower Upper
122 100
105 130.5 100.6 140.6
77 93.0 71.5 111.5

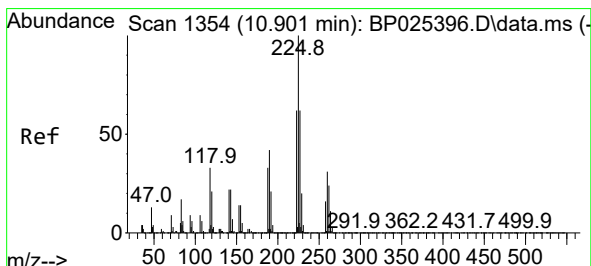
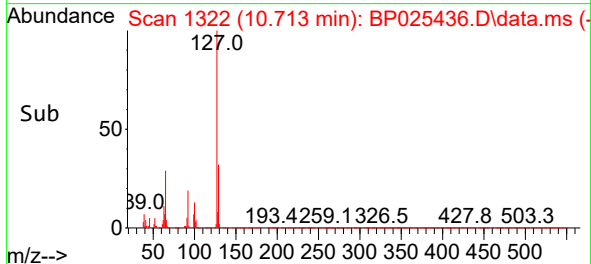
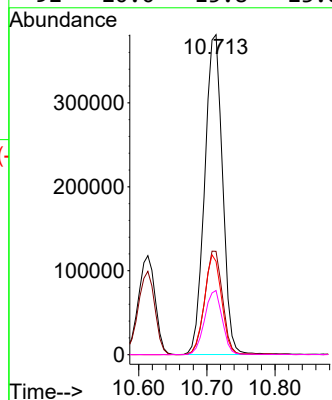
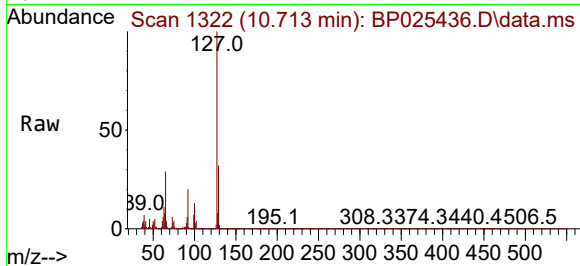




#33
4-Chloroaniline
Concen: 42.532 ng
RT: 10.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

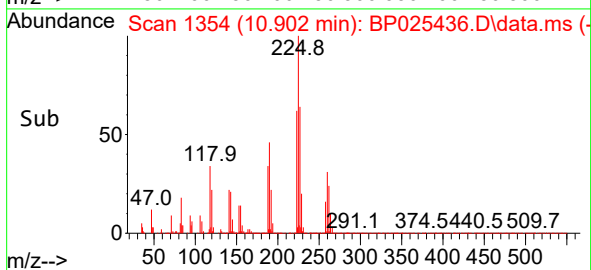
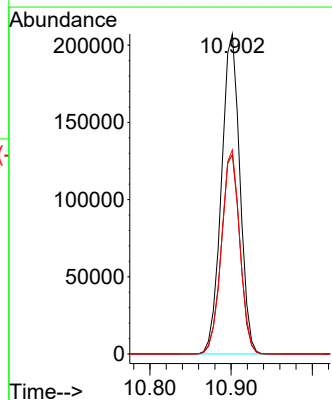
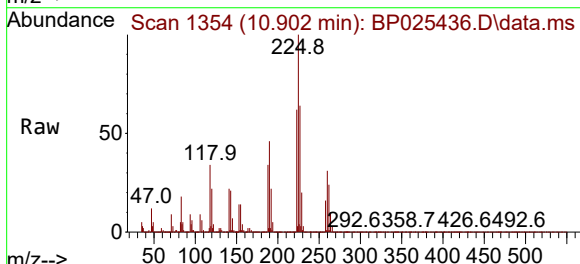
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

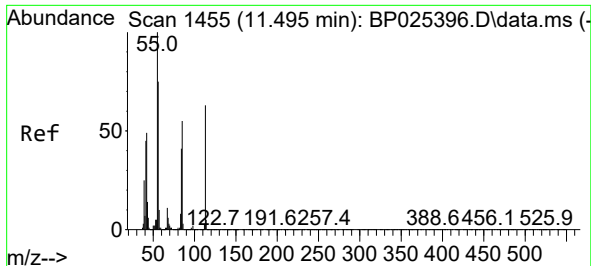
Tgt Ion:	127	Resp:	693770
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2
65	29.1	23.8	35.6
92	20.0	15.8	23.8



#34
Hexachlorobutadiene
Concen: 43.456 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:	225	Resp:	326490
Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	63.8	49.7	74.5

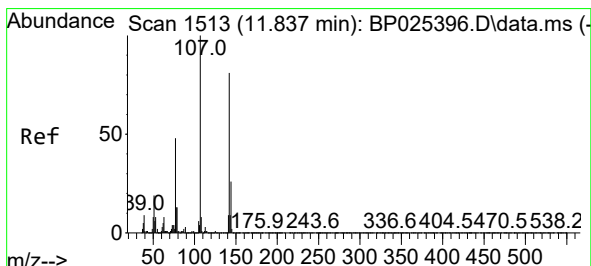
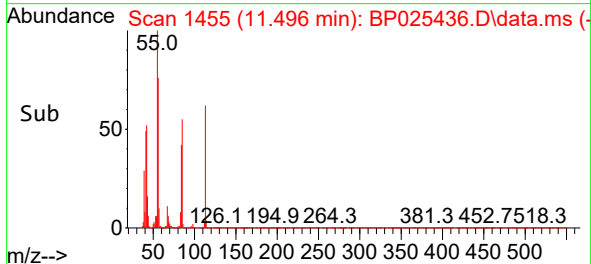
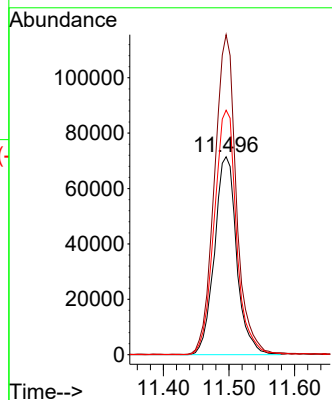
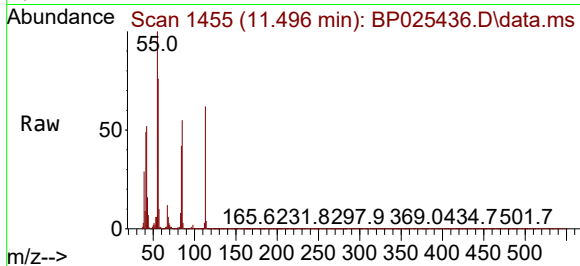




#35
Caprolactam
Concen: 41.554 ng
RT: 11.496 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

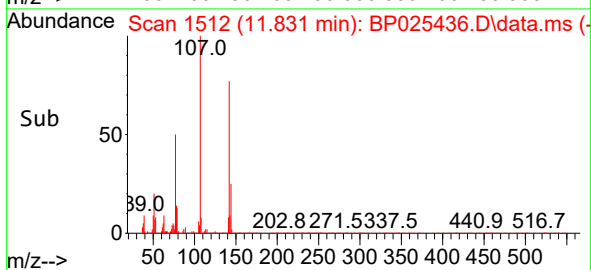
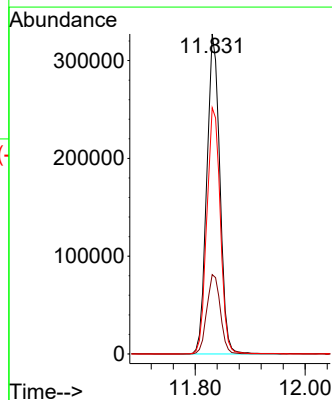
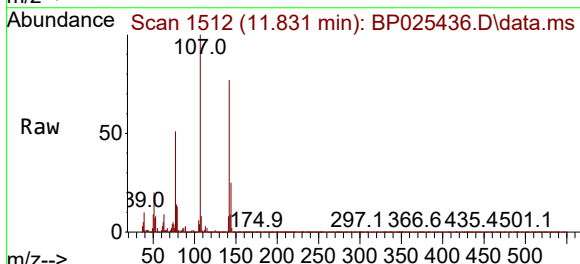
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

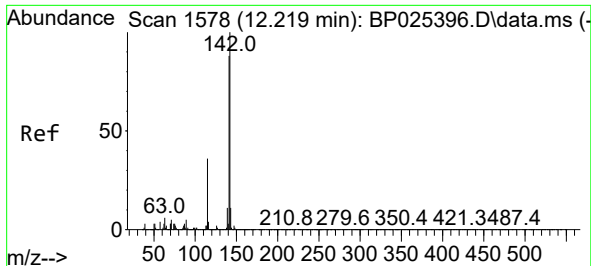
Tgt Ion:113 Resp: 167685
Ion Ratio Lower Upper
113 100
55 161.7 140.0 180.0
56 123.5 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 42.698 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:107 Resp: 539188
Ion Ratio Lower Upper
107 100
144 24.8 21.0 31.4
142 76.9 64.6 97.0

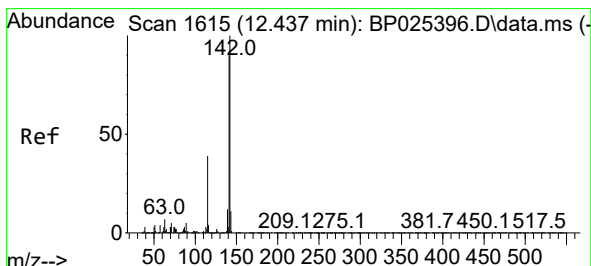
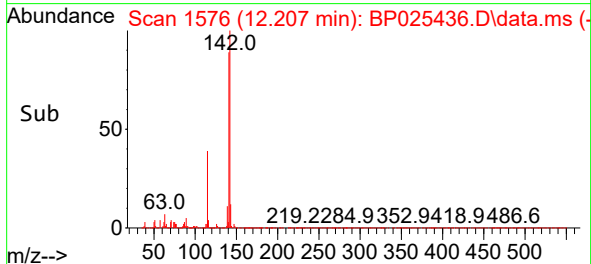
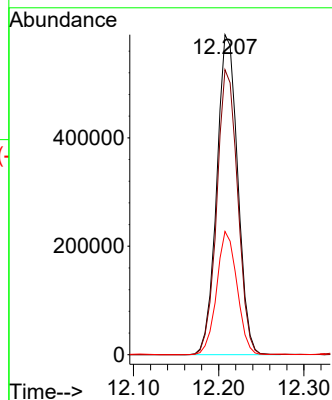
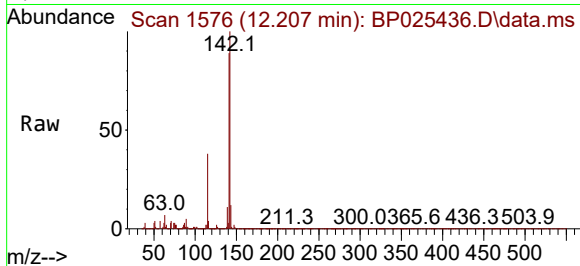




#37
2-Methylnaphthalene
Concen: 41.968 ng
RT: 12.207 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

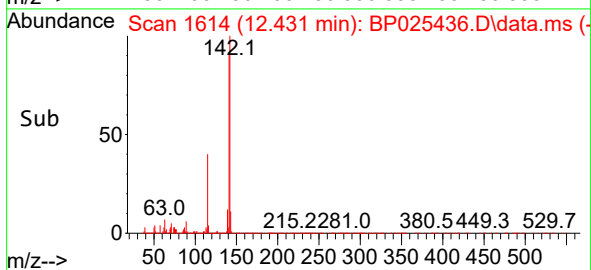
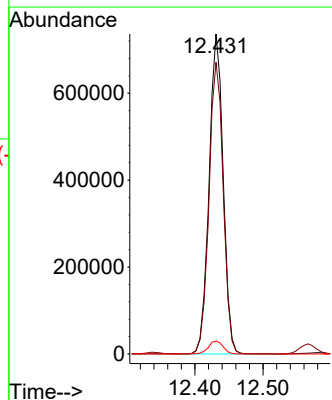
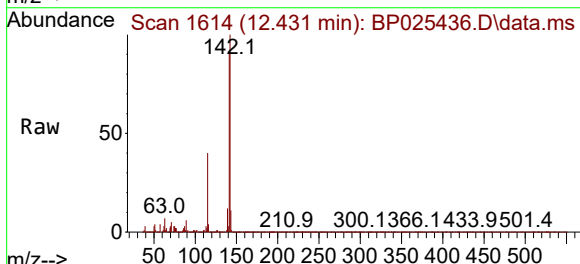
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

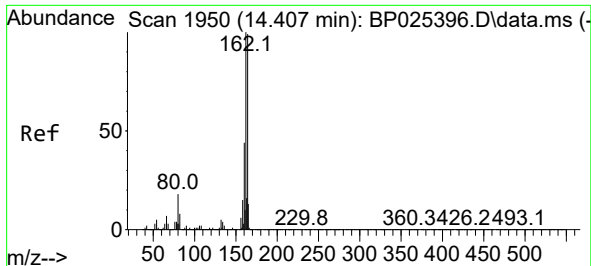
Tgt Ion:142 Resp: 1008537
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 38.5 28.9 43.3



#38
1-Methylnaphthalene
Concen: 41.373 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:142 Resp: 1057345
Ion Ratio Lower Upper
142 100
141 91.2 73.1 109.7
116 4.1 3.2 4.8

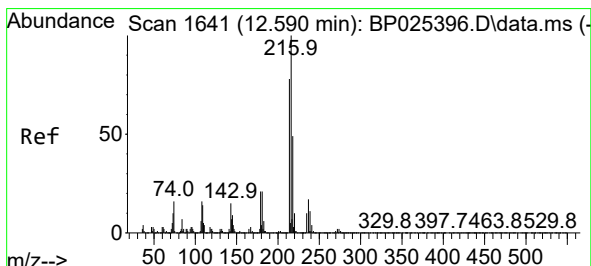
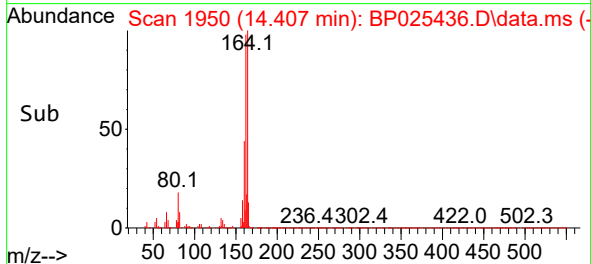
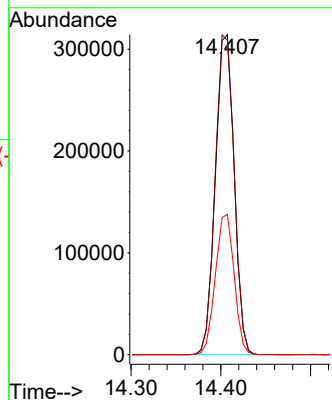
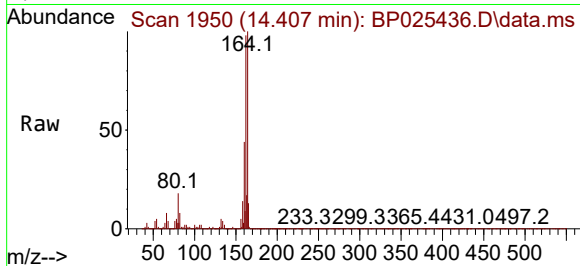




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

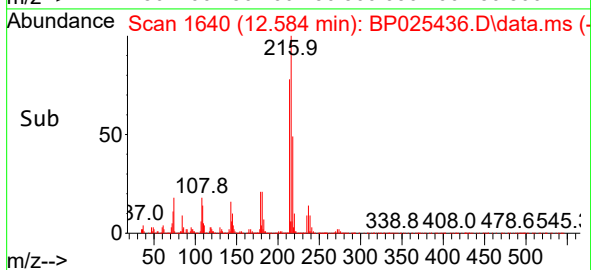
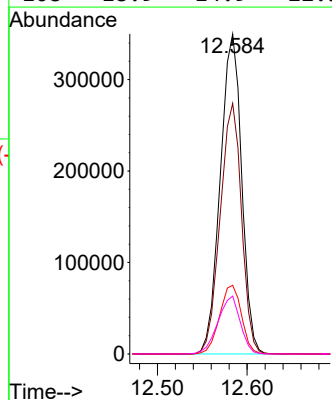
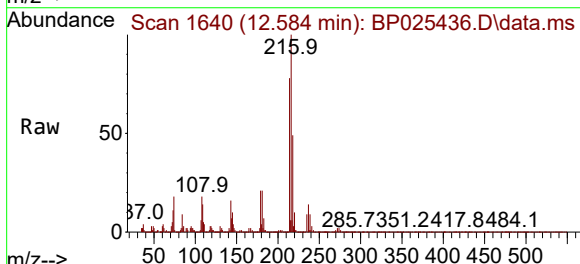
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

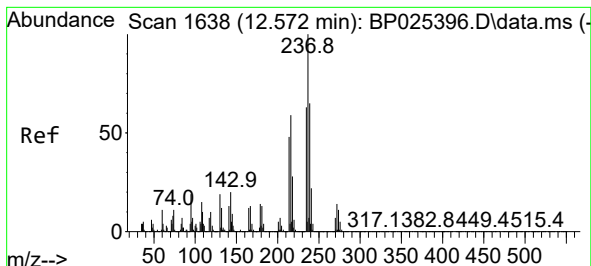
Tgt Ion:164 Resp: 456766
Ion Ratio Lower Upper
164 100
162 98.2 81.0 121.6
160 43.8 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.807 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:216 Resp: 577904
Ion Ratio Lower Upper
216 100
214 78.1 63.0 94.4
179 22.0 17.1 25.7
108 18.9 14.9 22.3

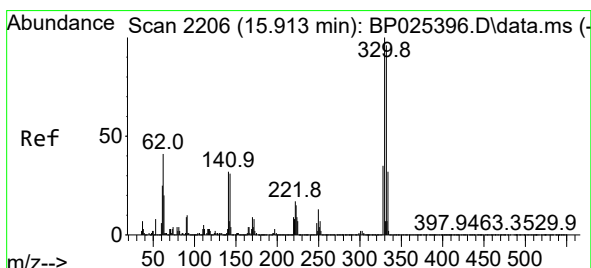
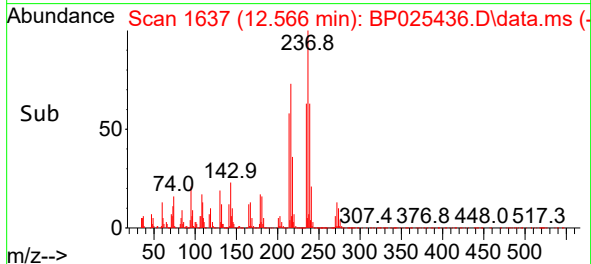
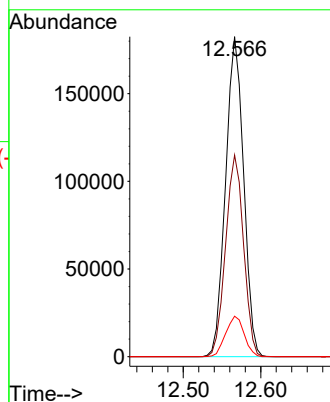
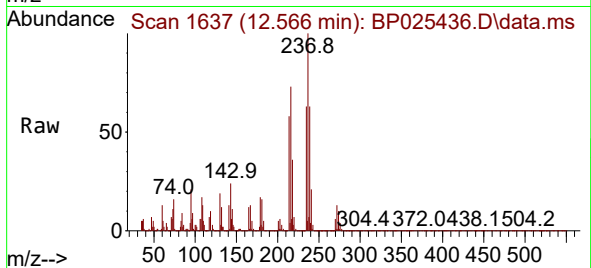




#41
Hexachlorocyclopentadiene
Concen: 37.087 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

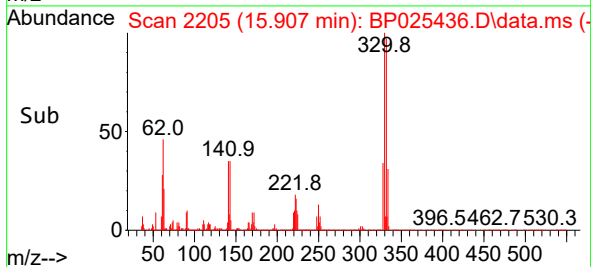
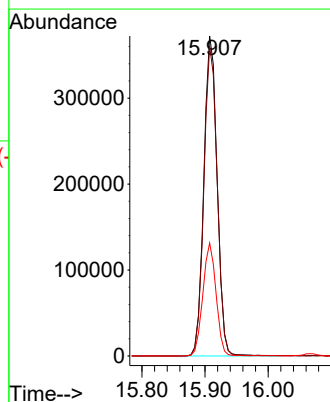
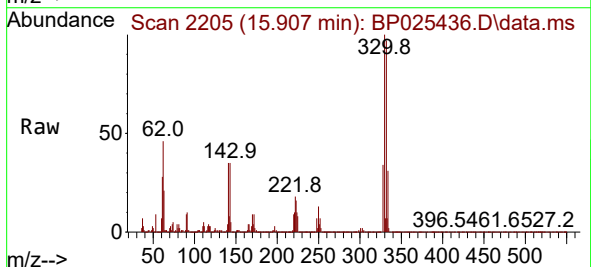
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

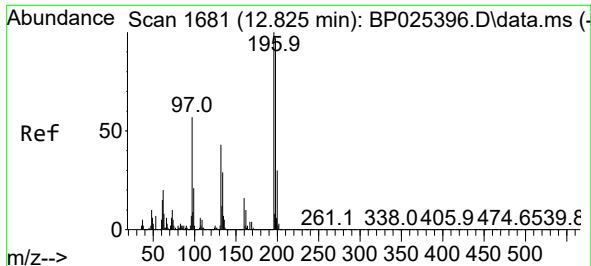
Tgt Ion:237 Resp: 295524
Ion Ratio Lower Upper
237 100
235 63.0 42.7 82.7
272 12.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 88.488 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:330 Resp: 544037
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 35.0 26.6 39.8

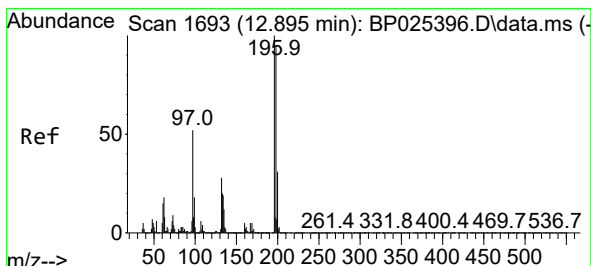
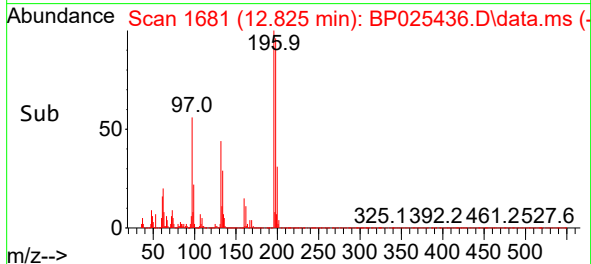
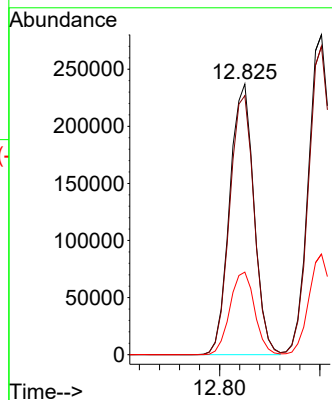
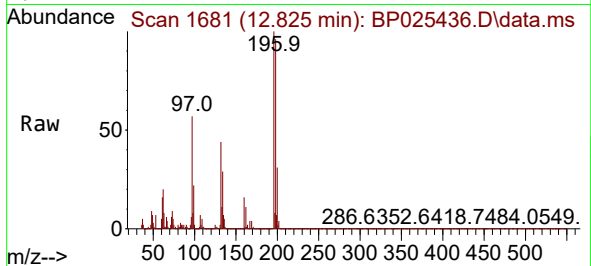




#43
2,4,6-Trichlorophenol
Concen: 44.759 ng
RT: 12.825 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

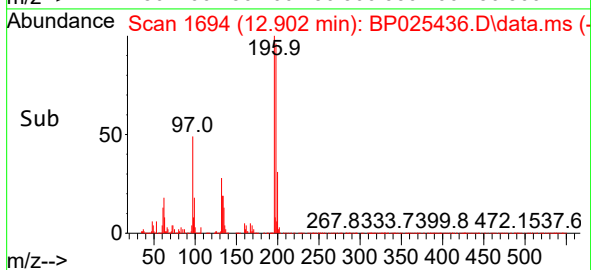
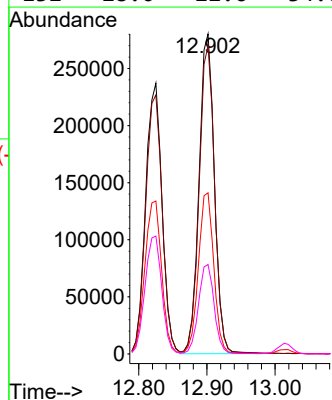
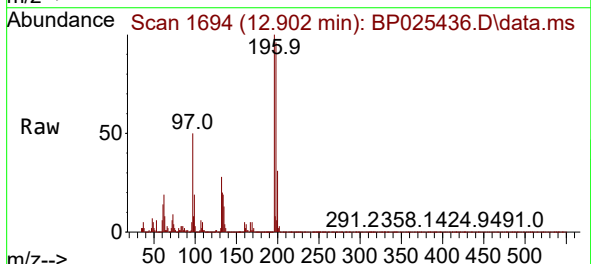
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

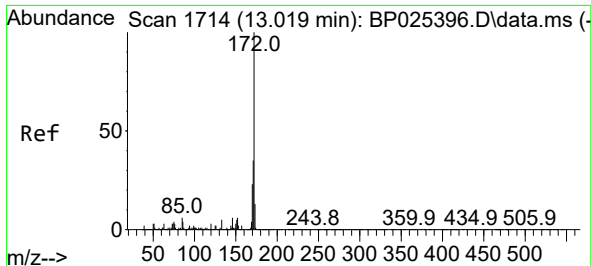
Tgt Ion:196 Resp: 398621
Ion Ratio Lower Upper
196 100
198 95.7 77.2 115.8
200 30.5 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 45.101 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:196 Resp: 440218
Ion Ratio Lower Upper
196 100
198 96.4 76.2 114.2
97 50.4 41.2 61.8
132 28.0 22.6 34.0

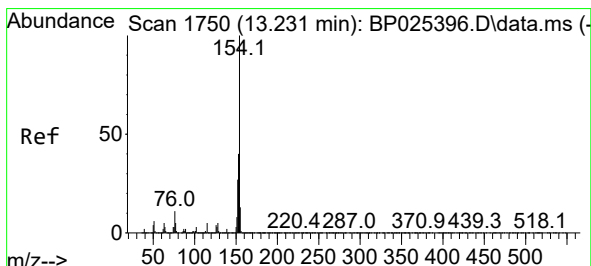
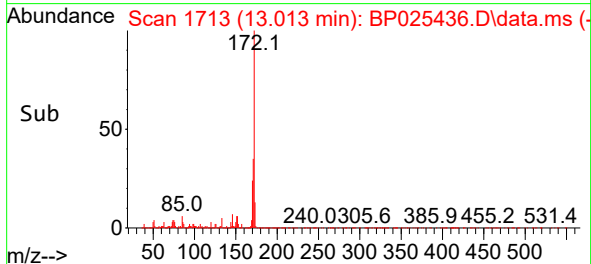
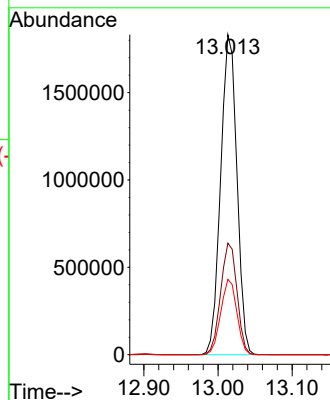
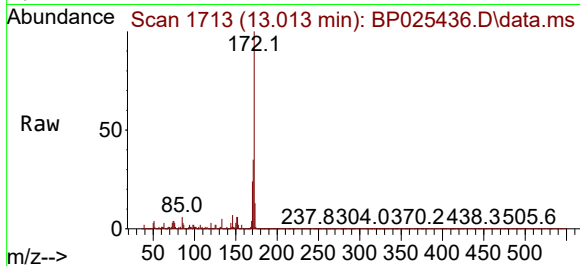




#45
2-Fluorobiphenyl
Concen: 83.499 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

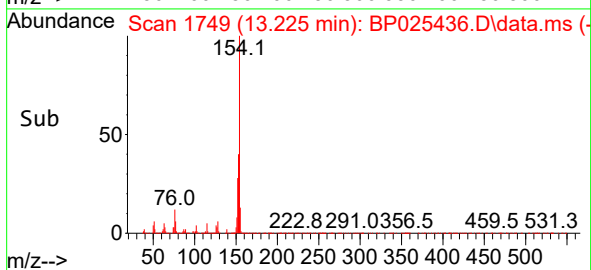
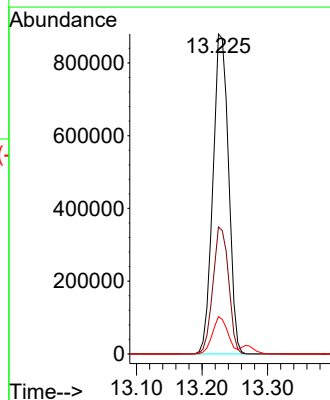
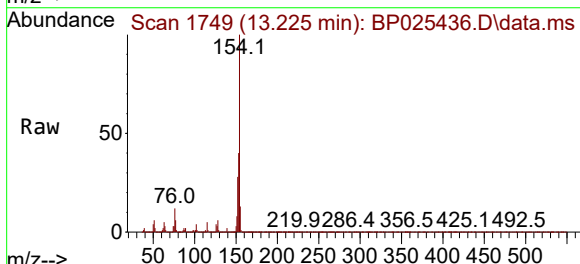
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

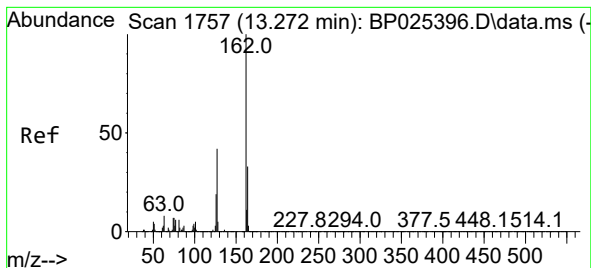
Tgt Ion:172 Resp: 2790655
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 43.790 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:154 Resp: 1452635
Ion Ratio Lower Upper
154 100
153 39.7 19.5 59.5
76 11.6 0.0 31.1

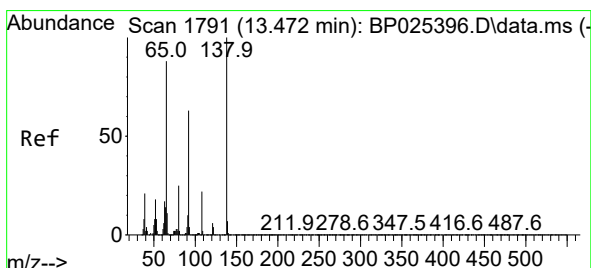
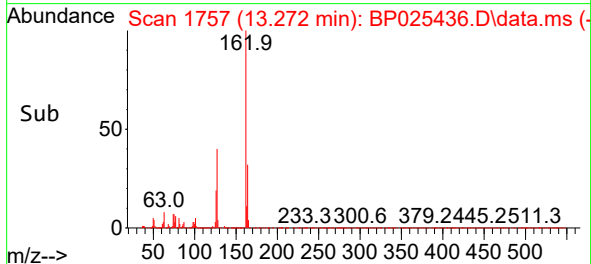
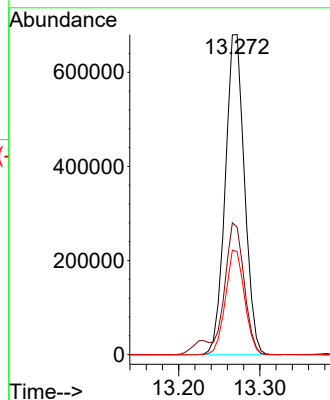
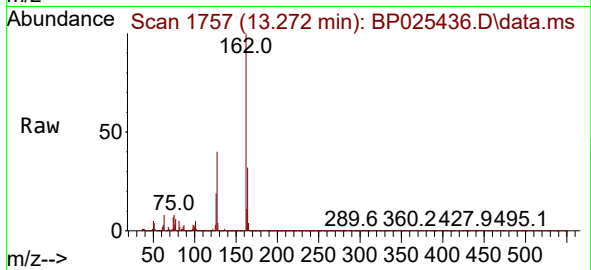




#47
2-Chloronaphthalene
Concen: 43.406 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

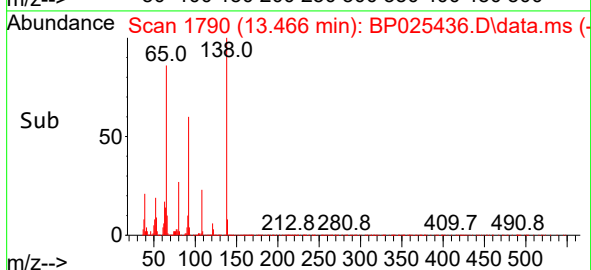
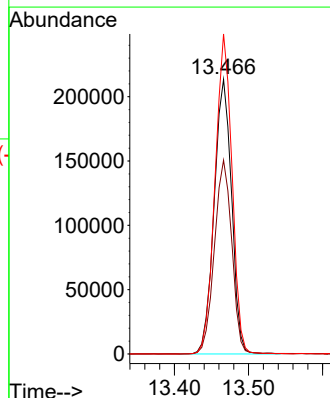
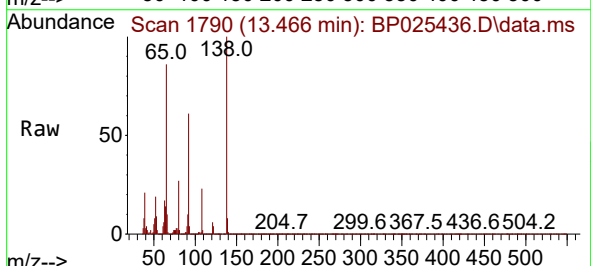
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

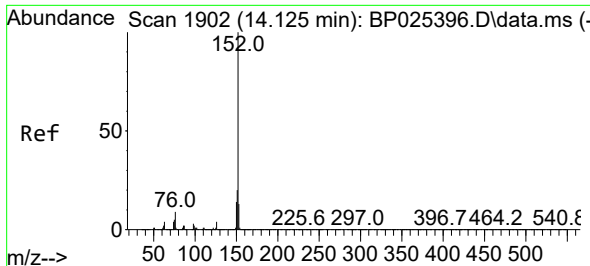
Tgt Ion:162 Resp: 1120958
Ion Ratio Lower Upper
162 100
127 39.8 33.4 50.2
164 32.2 26.2 39.2



#48
2-Nitroaniline
Concen: 46.337 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 65 Resp: 348676
Ion Ratio Lower Upper
65 100
92 70.5 57.6 86.4
138 116.5 91.0 136.6

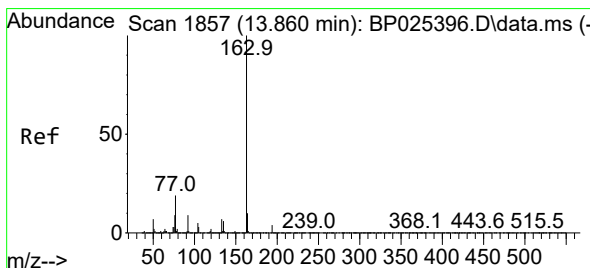
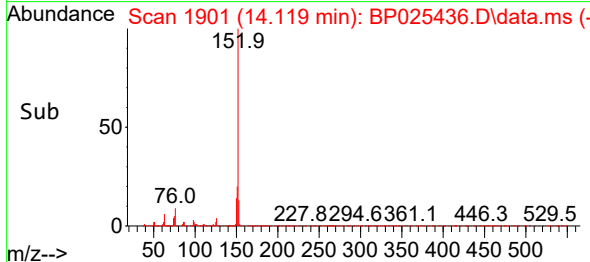
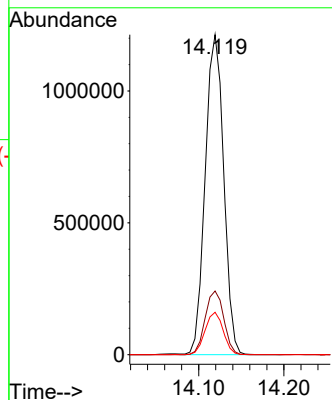
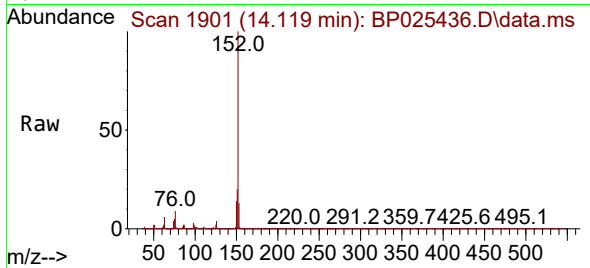




#49
Acenaphthylene
Concen: 42.840 ng
RT: 14.119 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

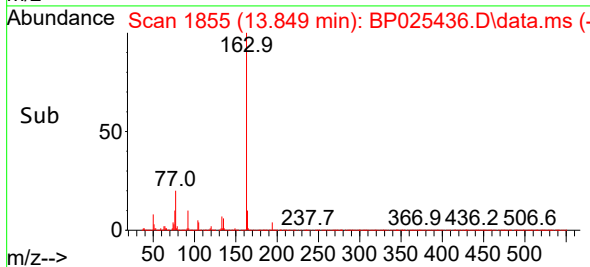
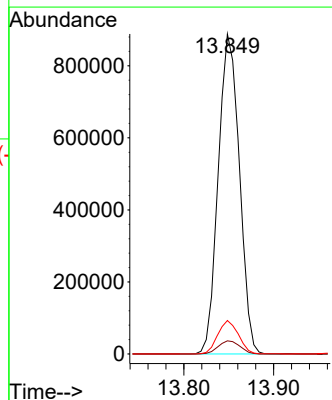
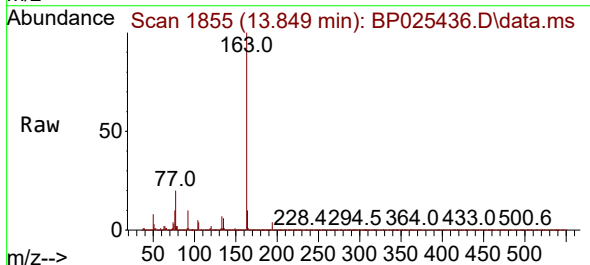
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

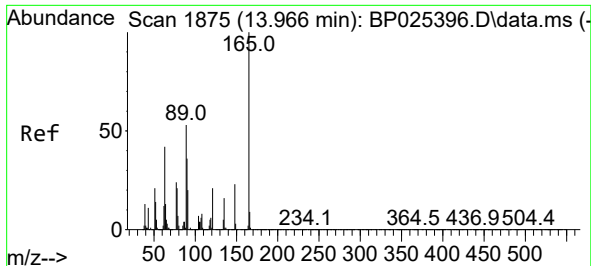
Tgt Ion:152 Resp: 1830675
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 43.502 ng
RT: 13.849 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:163 Resp: 1455084
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.4 7.9 11.9

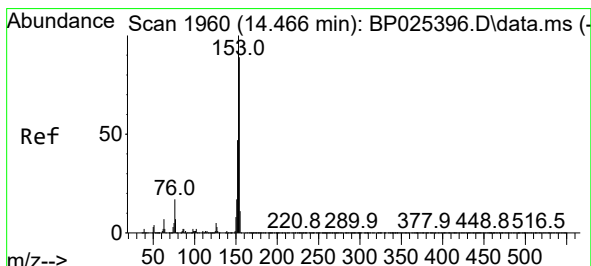
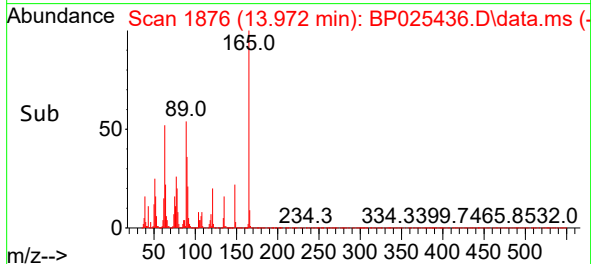
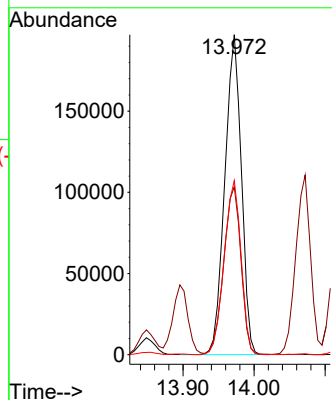
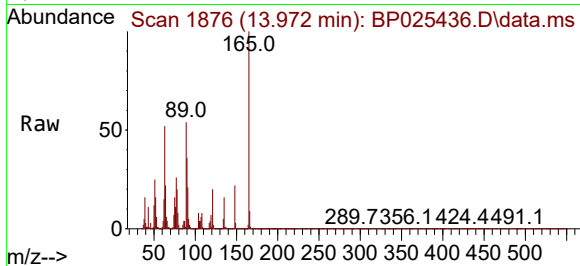




#51
2,6-Dinitrotoluene
Concen: 45.175 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

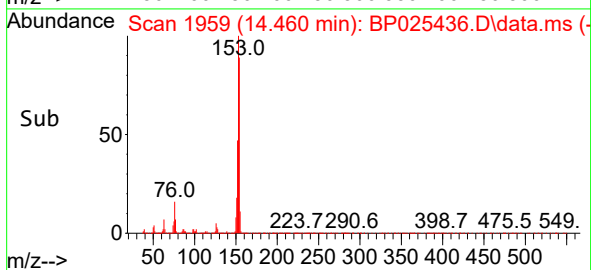
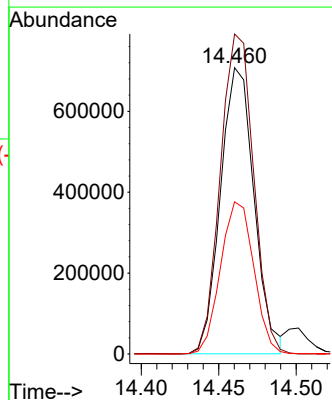
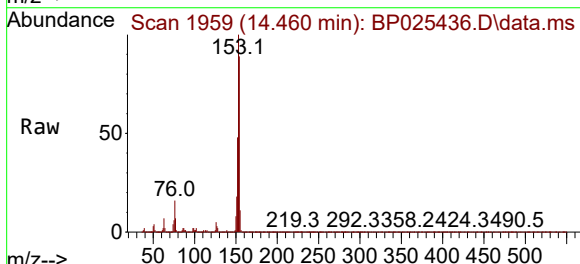
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

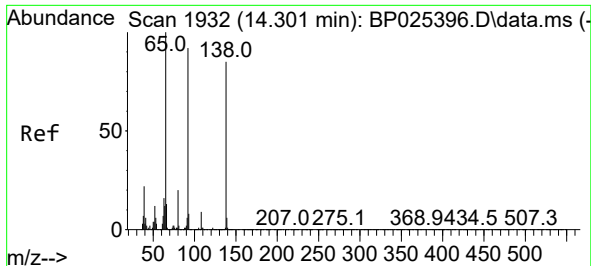
Tgt Ion:165 Resp: 318483
Ion Ratio Lower Upper
165 100
63 52.5 40.9 61.3
89 54.4 42.1 63.1



#52
Acenaphthene
Concen: 42.553 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:154 Resp: 1067358
Ion Ratio Lower Upper
154 100
153 111.8 90.2 135.2
152 53.2 42.1 63.1

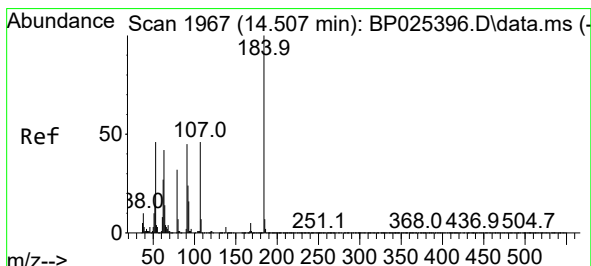
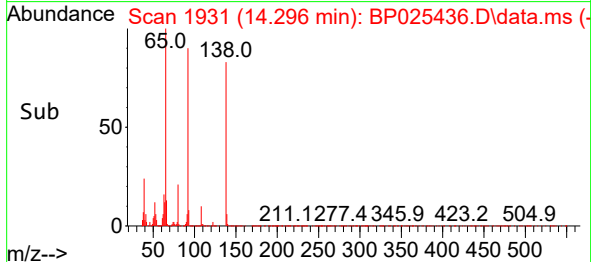
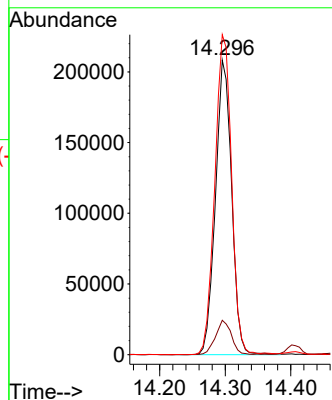
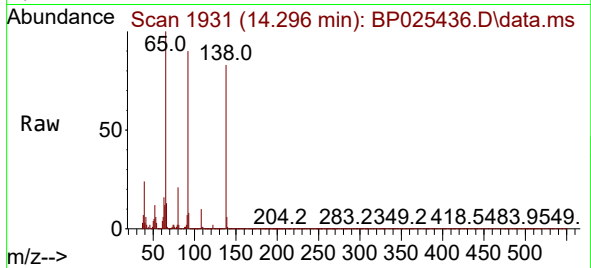




#53
3-Nitroaniline
Concen: 44.932 ng
RT: 14.296 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

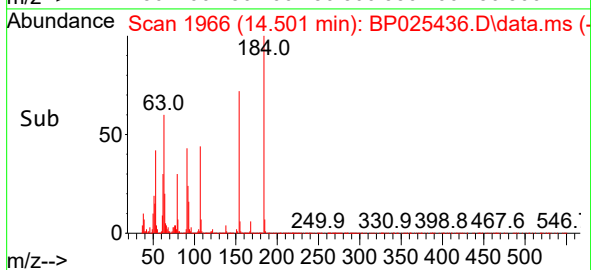
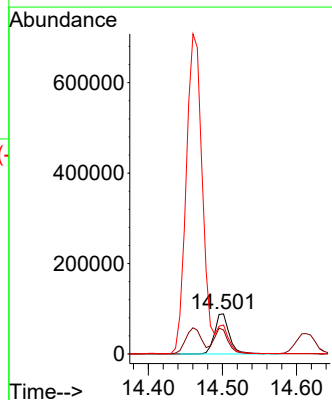
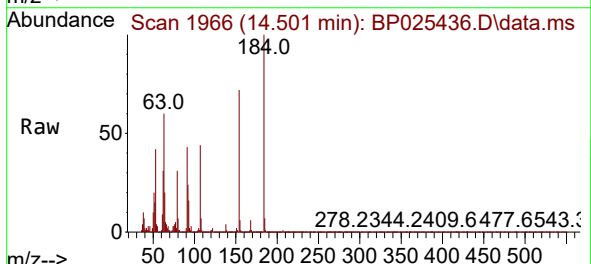
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

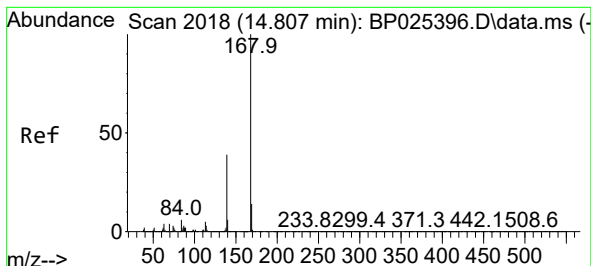
Tgt Ion:138 Resp: 356395
Ion Ratio Lower Upper
138 100
108 11.7 8.3 12.5
92 108.6 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 32.634 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:184 Resp: 122865
Ion Ratio Lower Upper
184 100
63 60.0 49.4 74.2
154 72.5 54.6 82.0

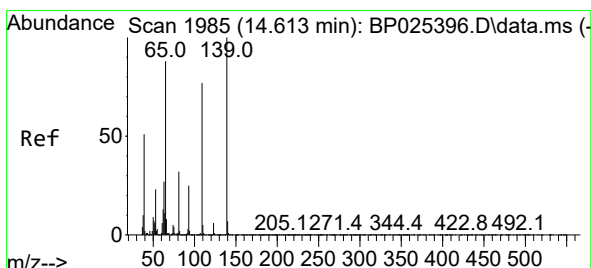
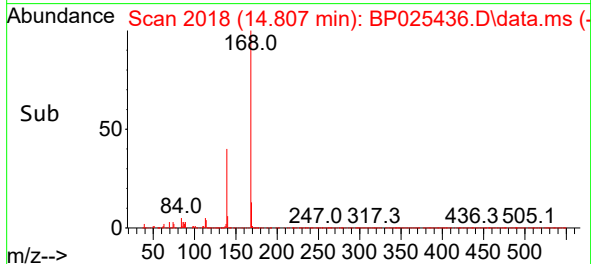
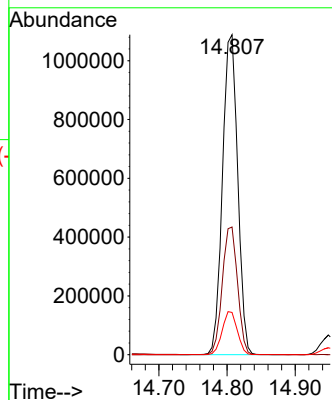
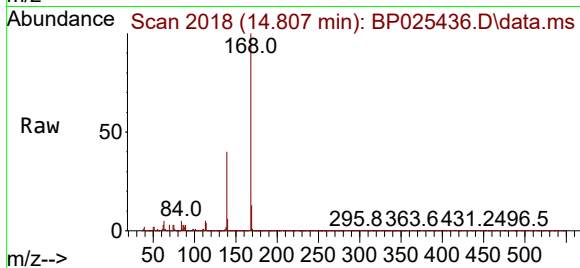




#55
Dibenzenofuran
Concen: 42.593 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

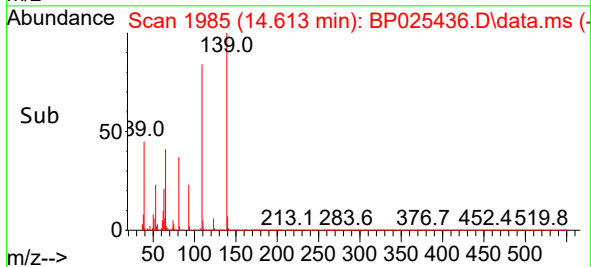
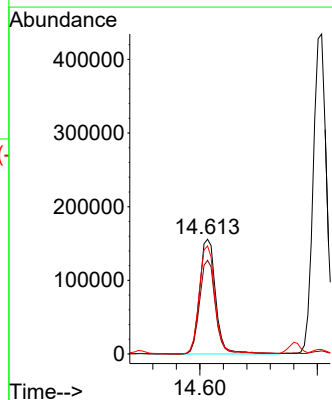
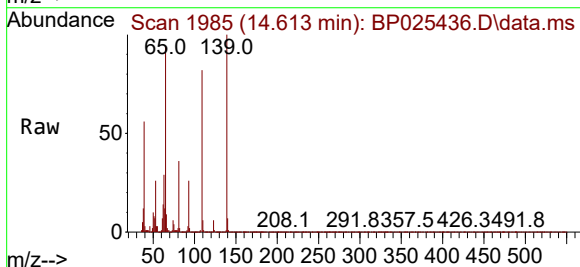
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

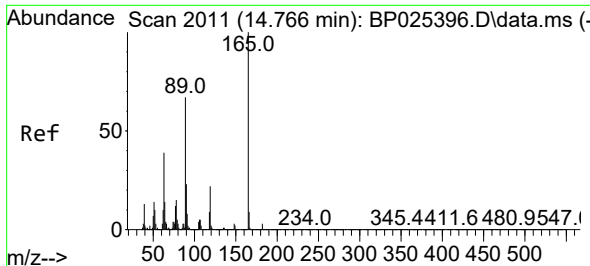
Tgt Ion:168 Resp: 1689125
Ion Ratio Lower Upper
168 100
139 39.9 31.5 47.3
169 13.2 10.9 16.3



#56
4-Nitrophenol
Concen: 45.358 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:139 Resp: 295639
Ion Ratio Lower Upper
139 100
109 81.5 56.6 96.6
65 94.1 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 45.189 ng

RT: 14.766 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:165 Resp: 454531

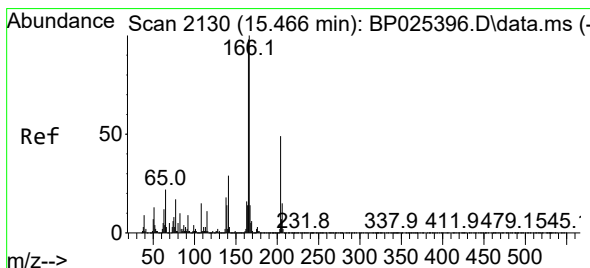
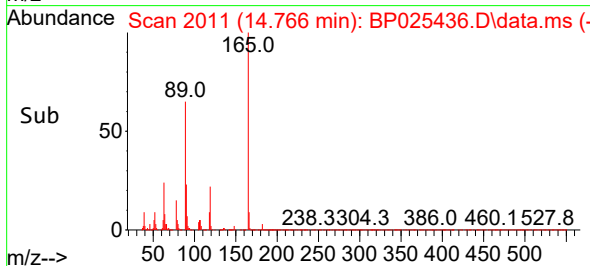
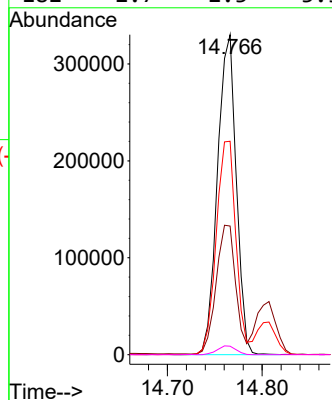
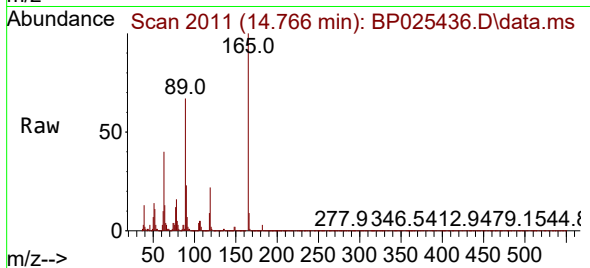
Ion Ratio Lower Upper

165 100

63 40.2 31.4 47.2

89 66.7 53.3 79.9

182 2.7 2.3 3.5



#58

Fluorene

Concen: 41.160 ng

RT: 15.466 min Scan# 2130

Delta R.T. 0.000 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

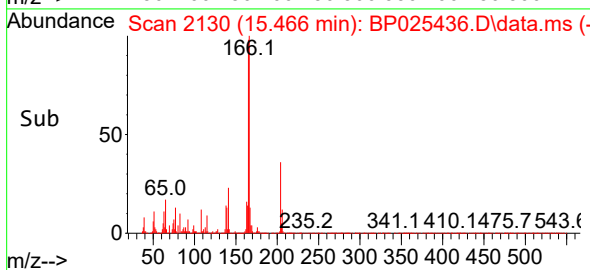
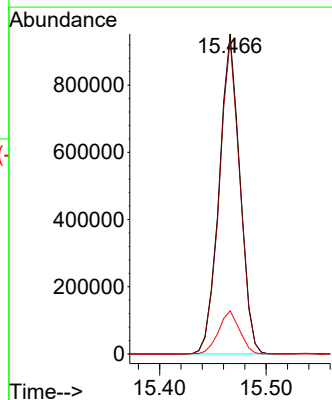
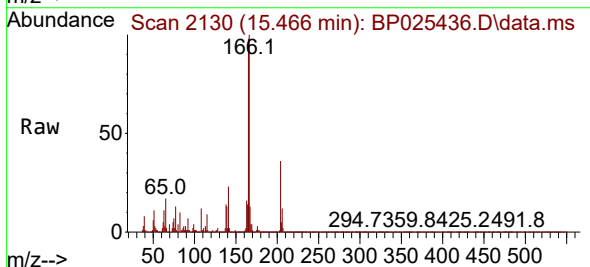
Tgt Ion:166 Resp: 1287972

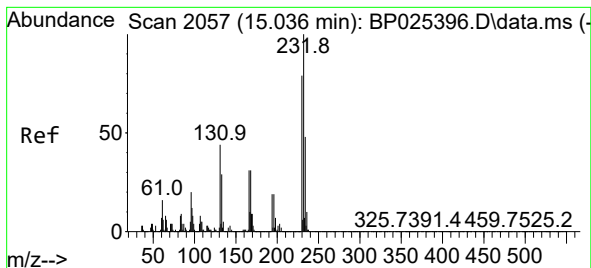
Ion Ratio Lower Upper

166 100

165 98.2 78.8 118.2

167 13.5 11.0 16.4

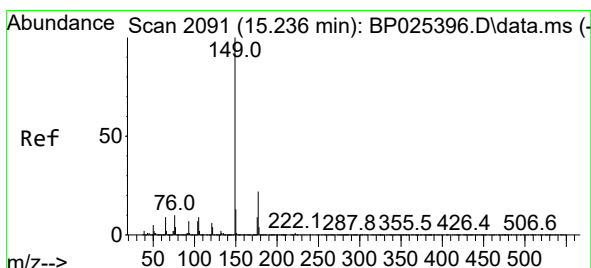
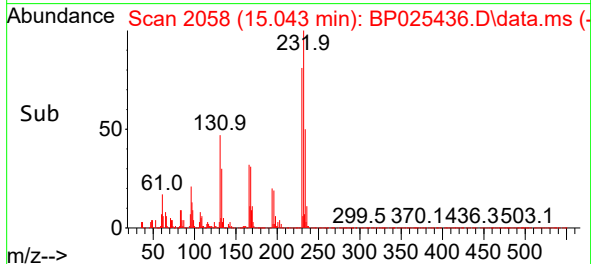
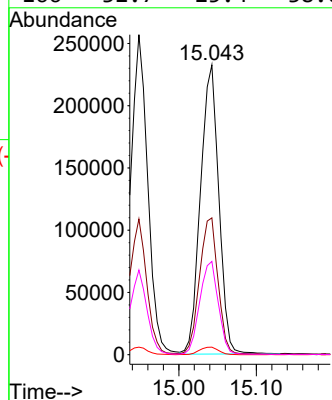
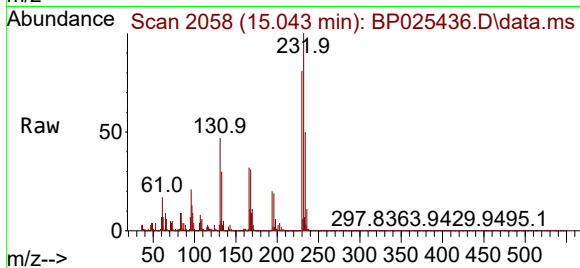




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.201 ng
RT: 15.043 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

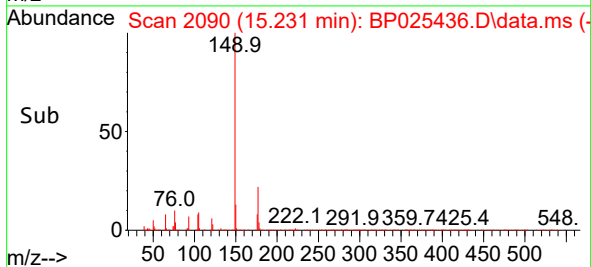
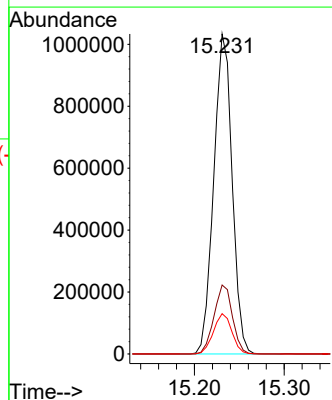
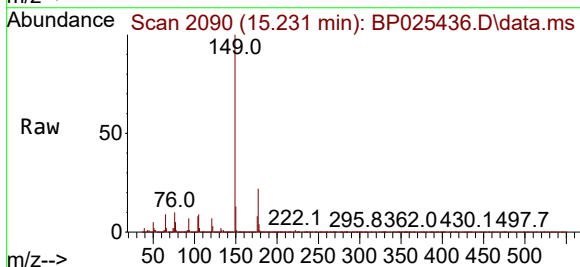
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

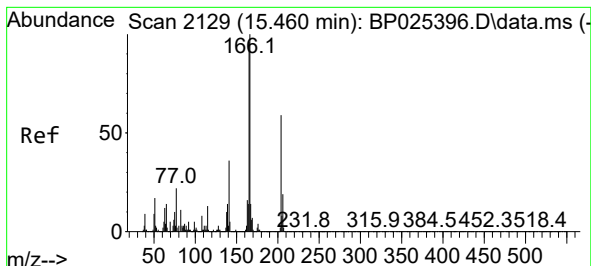
Tgt Ion:232	Resp:	380952
Ion Ratio	Lower	Upper
232	100	
131	48.7	37.0 55.6
130	2.7	1.9 2.9
166	32.7	25.4 38.0



#60
Diethylphthalate
Concen: 43.195 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149	Resp:	1468089
Ion Ratio	Lower	Upper
149	100	
177	21.5	17.3 25.9
150	12.6	10.3 15.5

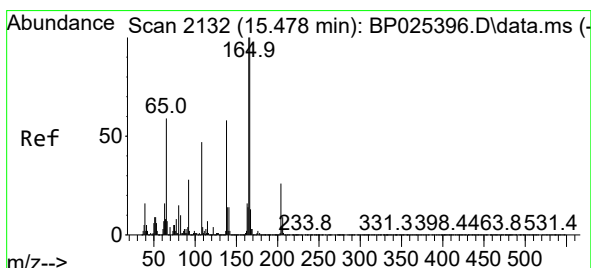
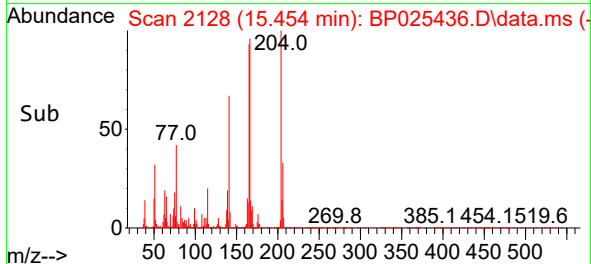
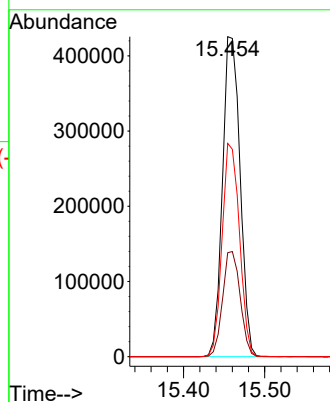
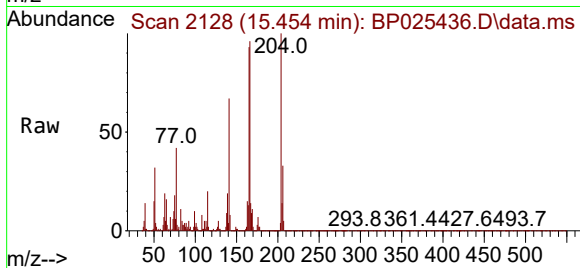




#61
4-Chlorophenyl-phenylether
Concen: 41.240 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

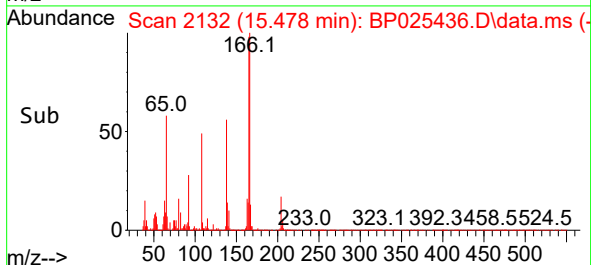
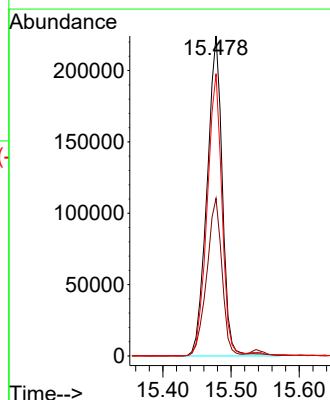
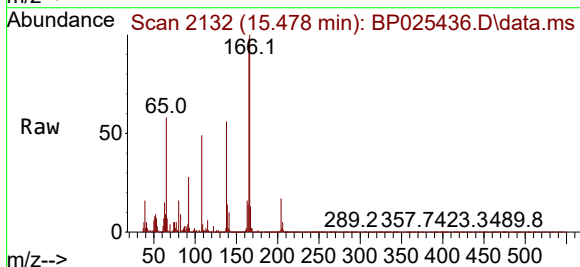
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

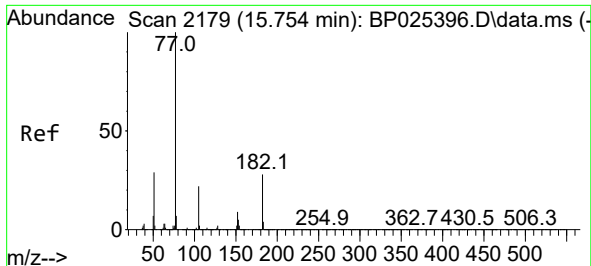
Tgt Ion:204 Resp: 641804
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.8
141 66.7 49.4 74.2



#62
4-Nitroaniline
Concen: 43.130 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:138 Resp: 350711
Ion Ratio Lower Upper
138 100
92 49.3 29.1 69.1
108 88.2 61.5 101.5



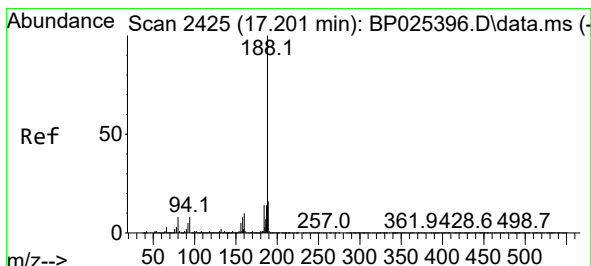
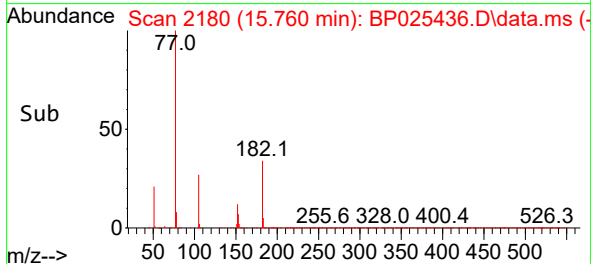
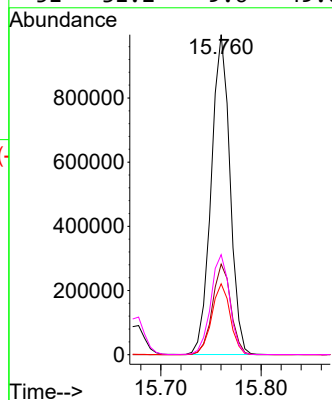
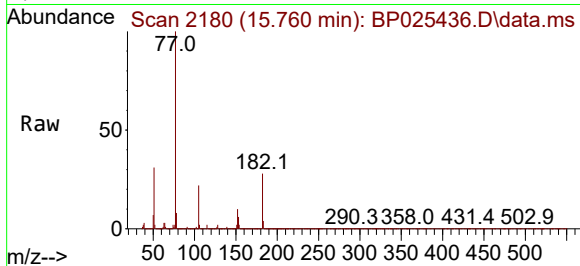


#63
Azobenzene
Concen: 44.580 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1297353

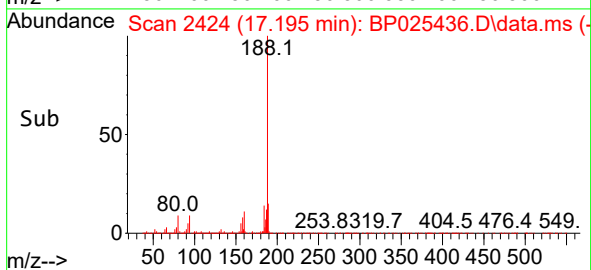
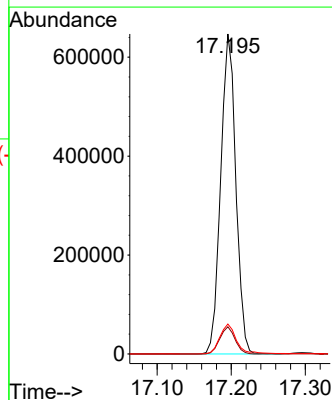
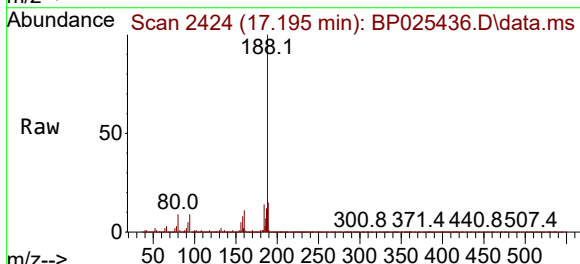
Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	22.1	2.1	42.1
51	31.2	9.6	49.6

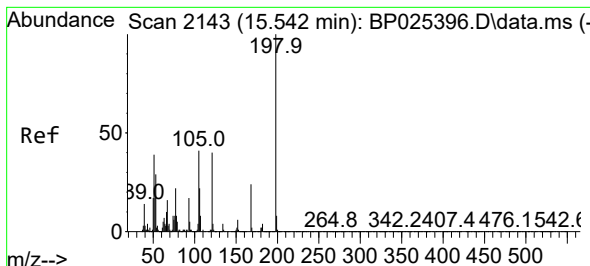


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 188 Resp: 916670

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1

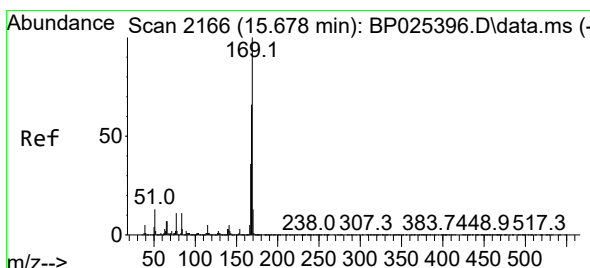
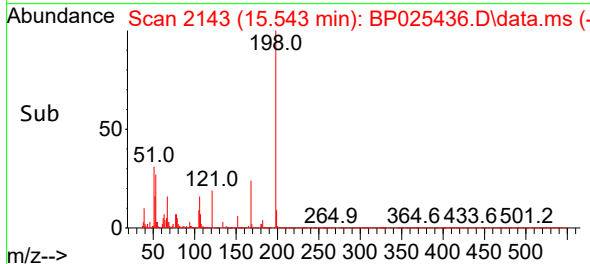
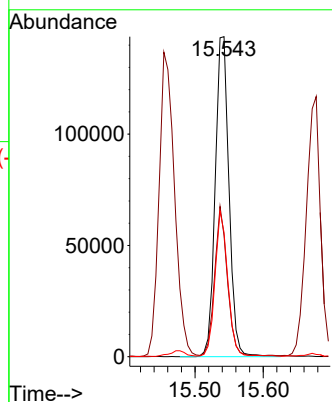
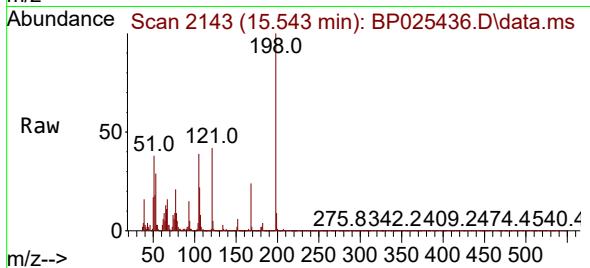




#65
4,6-Dinitro-2-methylphenol
Concen: 35.341 ng
RT: 15.543 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

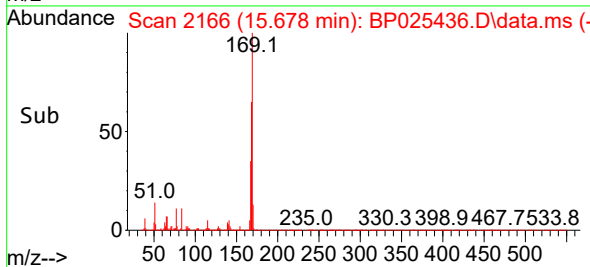
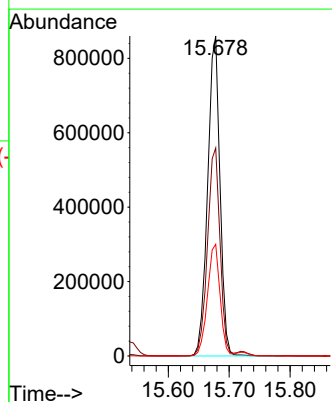
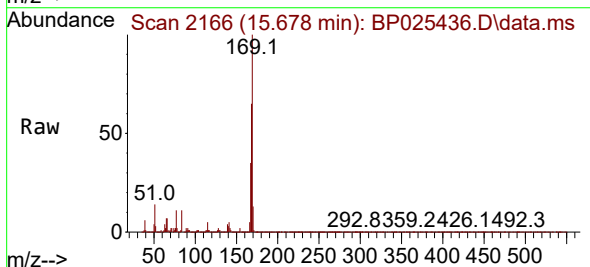
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

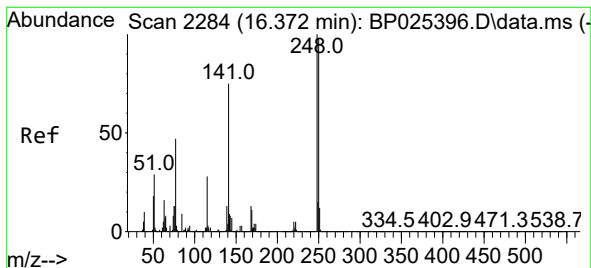
Tgt Ion:198 Resp: 201944
Ion Ratio Lower Upper
198 100
51 37.8 19.6 59.6
105 38.8 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 43.243 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:169 Resp: 1208784
Ion Ratio Lower Upper
169 100
168 65.0 53.2 79.8
167 34.9 28.7 43.1

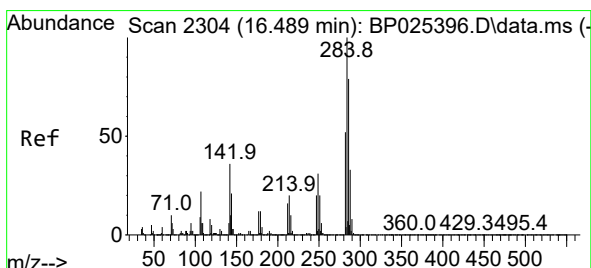
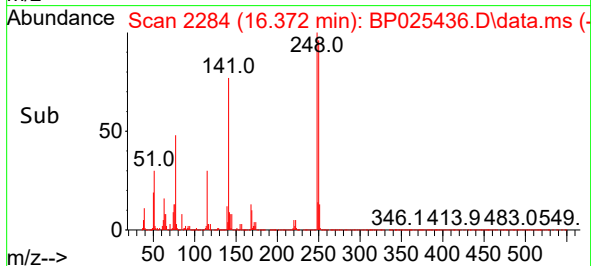
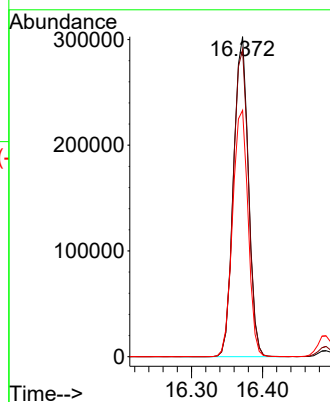
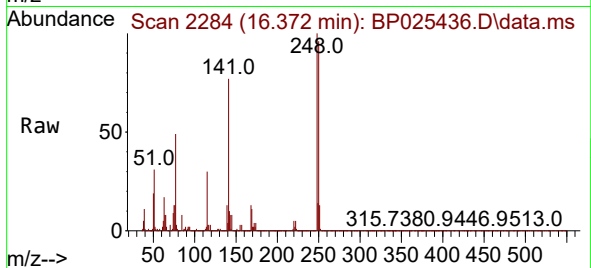




#67
4-Bromophenyl-phenylether
Concen: 43.928 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

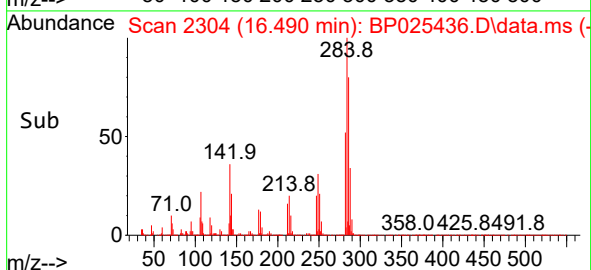
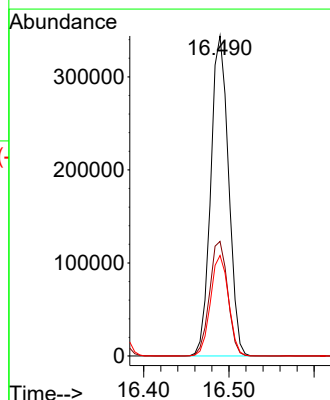
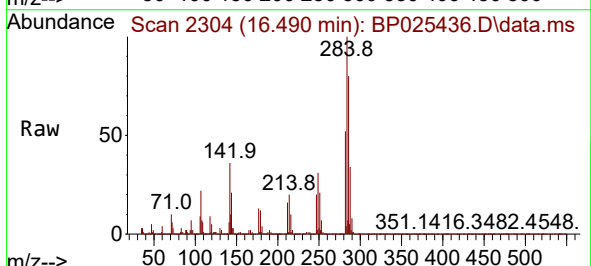
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

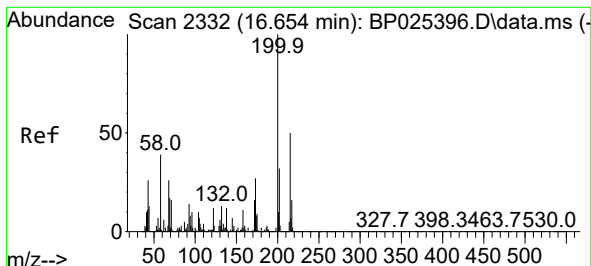
Tgt Ion:248 Resp: 442865
Ion Ratio Lower Upper
248 100
250 96.0 78.2 117.2
141 77.0 59.6 89.4



#68
Hexachlorobenzene
Concen: 42.691 ng
RT: 16.490 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:284 Resp: 498920
Ion Ratio Lower Upper
284 100
142 35.8 29.1 43.7
249 31.4 25.0 37.4





#69

Atrazine

Concen: 43.775 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

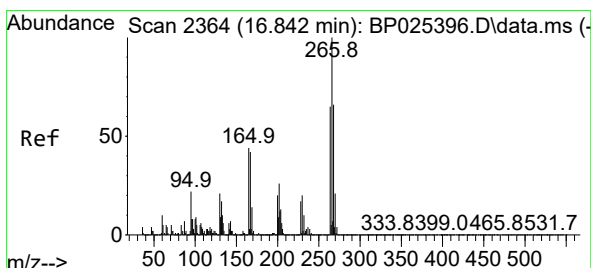
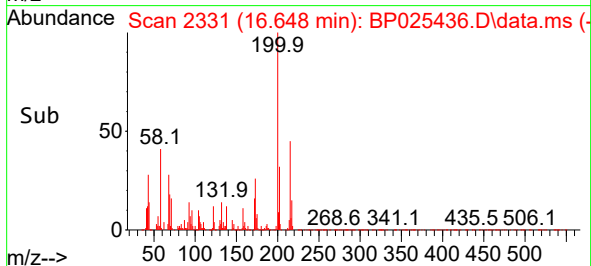
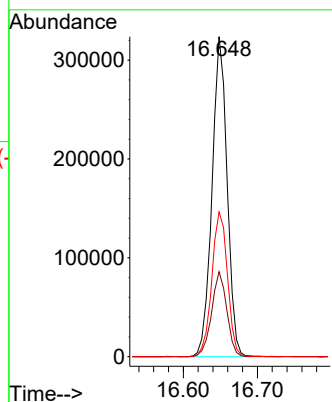
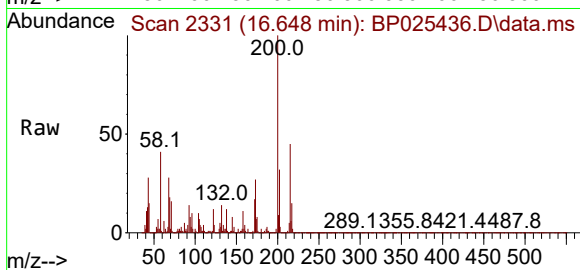
Tgt Ion:200 Resp: 458257

Ion Ratio Lower Upper

200 100

173 26.6 6.7 46.7

215 45.3 29.7 69.7



#70

Pentachlorophenol

Concen: 44.342 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

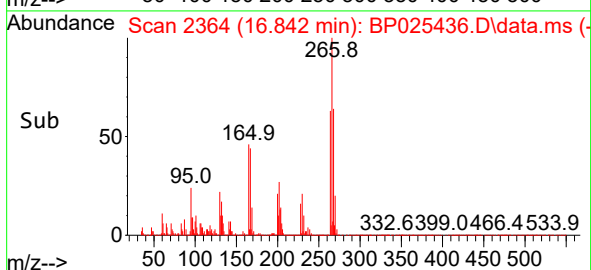
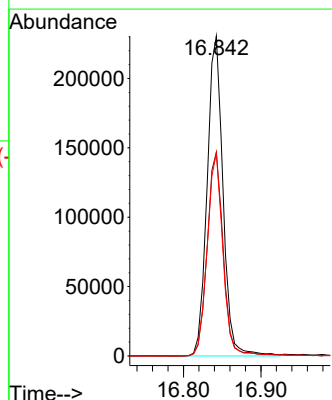
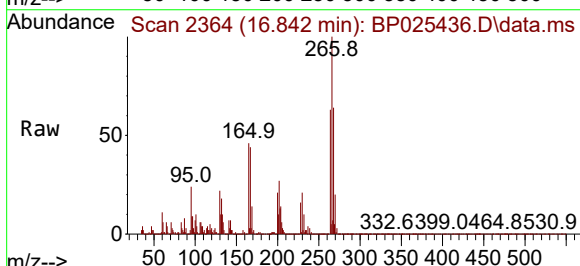
Tgt Ion:266 Resp: 327120

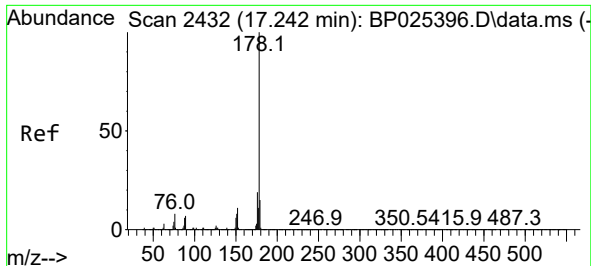
Ion Ratio Lower Upper

266 100

268 63.7 52.6 79.0

264 63.4 52.0 78.0

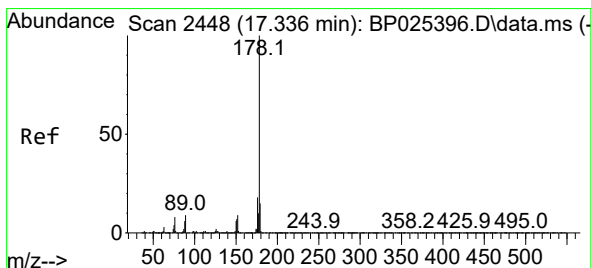
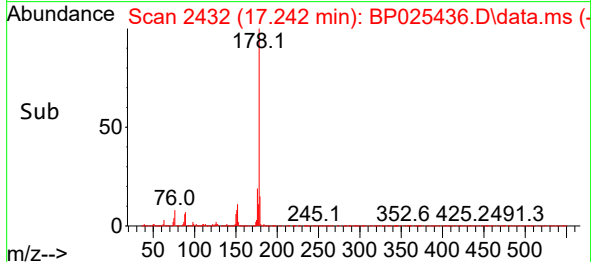
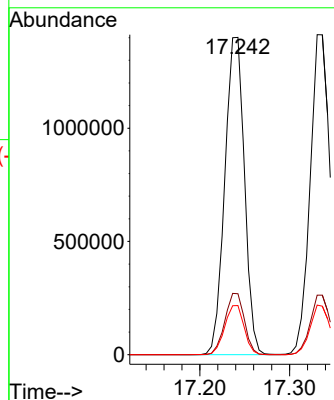
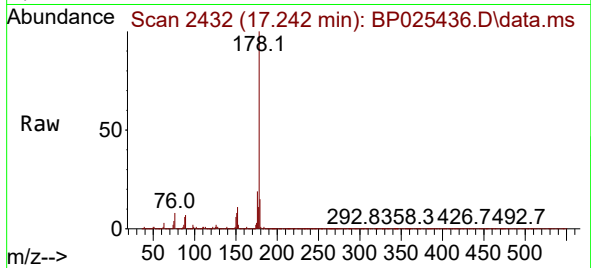




#71
Phenanthrene
Concen: 42.302 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

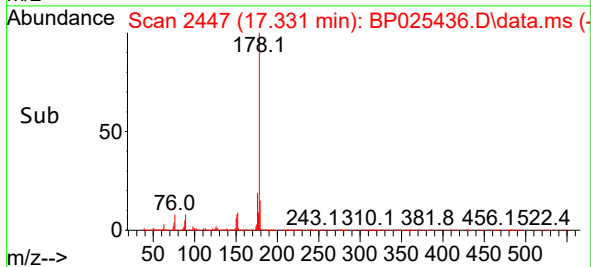
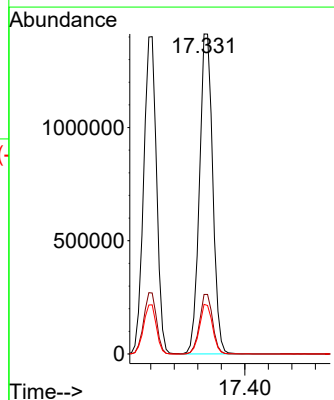
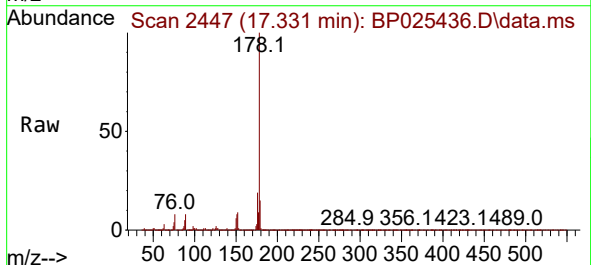
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

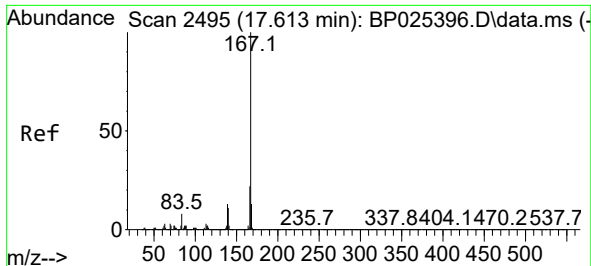
Tgt Ion:178 Resp: 2130157
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.4



#72
Anthracene
Concen: 42.872 ng
RT: 17.331 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:178 Resp: 2204625
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.5 12.2 18.2

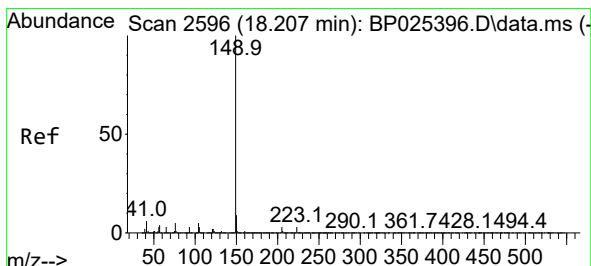
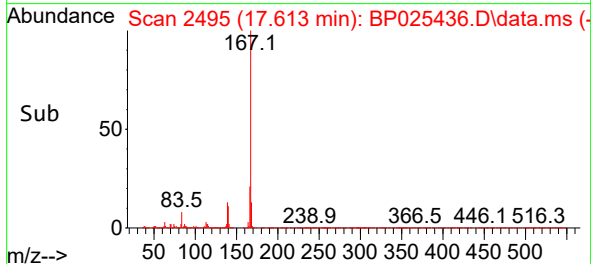
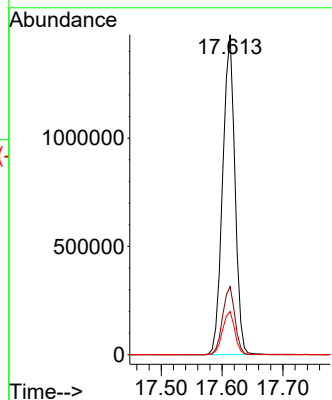
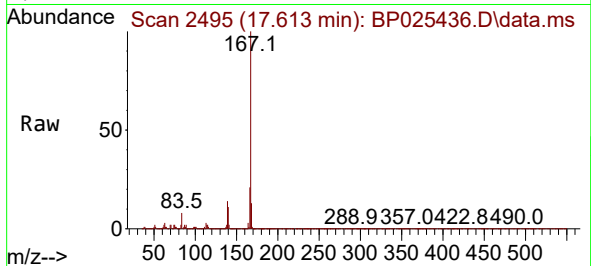




#73
 Carbazole
 Concen: 42.695 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

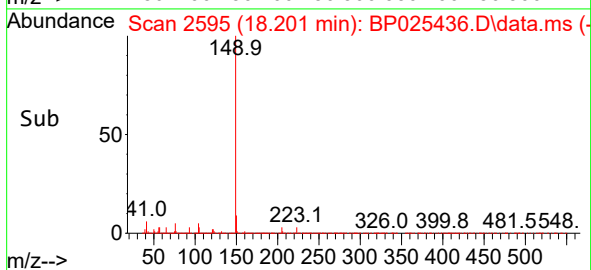
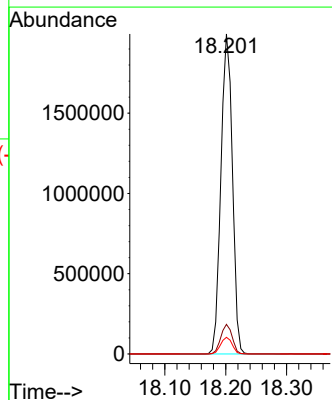
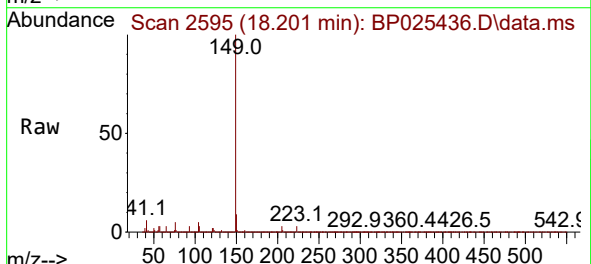
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

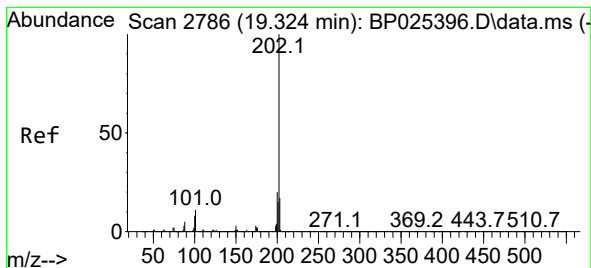
Tgt Ion:167 Resp: 2067991
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.5 26.3
 139 13.5 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 43.693 ng
 RT: 18.201 min Scan# 2595
 Delta R.T. -0.006 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 2603783
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.2 4.2 6.2





#75

Fluoranthene

Concen: 41.933 ng

RT: 19.319 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

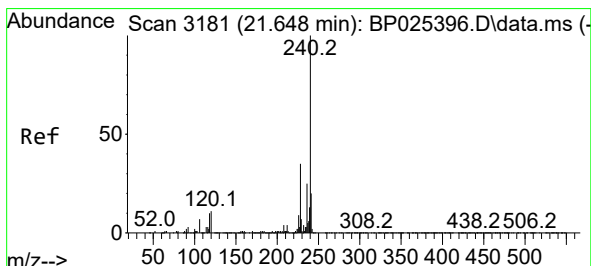
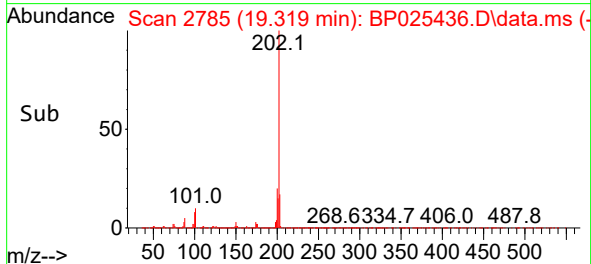
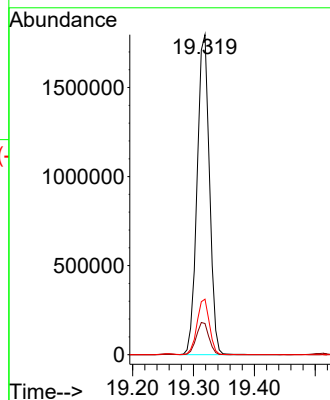
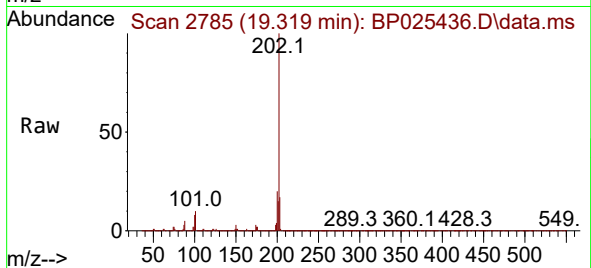
Tgt Ion:202 Resp: 2518758

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.1

203 17.3 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 3178

Delta R.T. -0.017 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

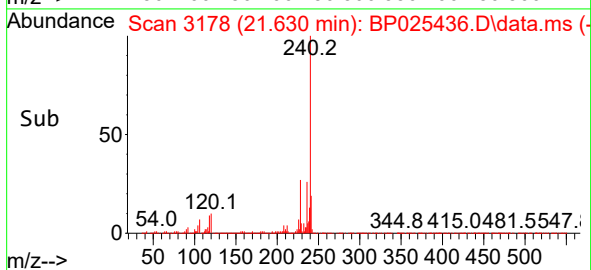
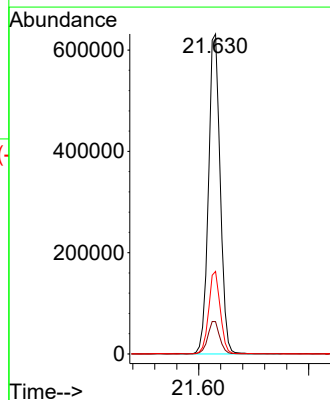
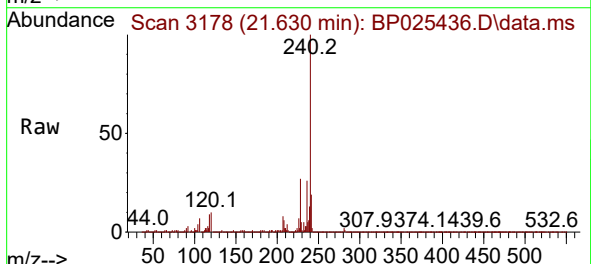
Tgt Ion:240 Resp: 933454

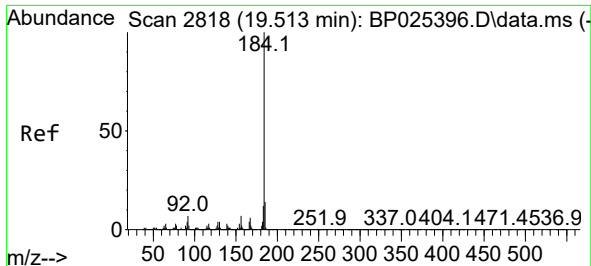
Ion Ratio Lower Upper

240 100

120 10.1 8.9 13.3

236 25.8 19.8 29.8

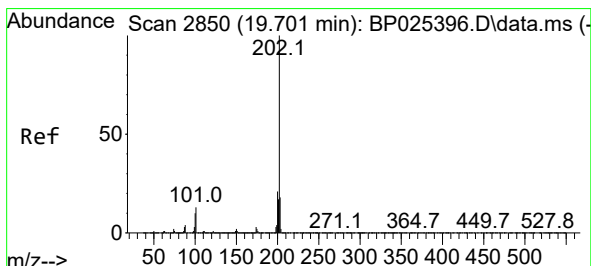
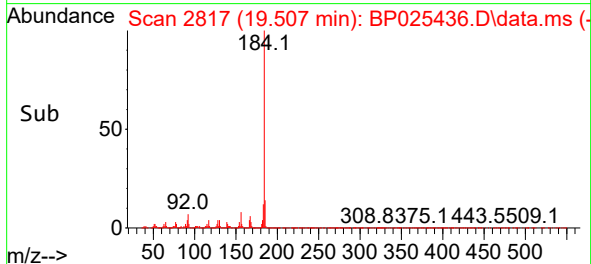
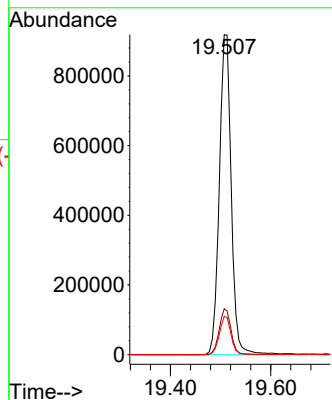
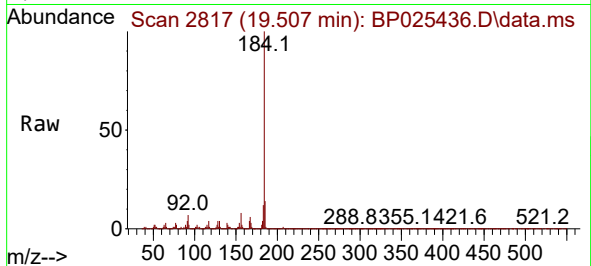




#77
Benzidine
Concen: 47.349 ng
RT: 19.507 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

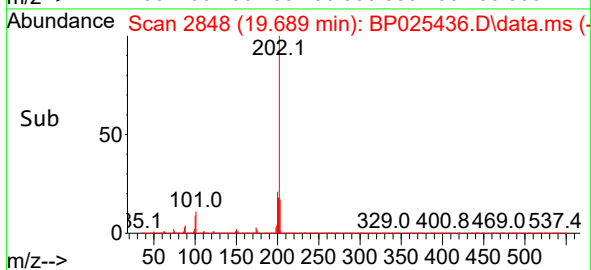
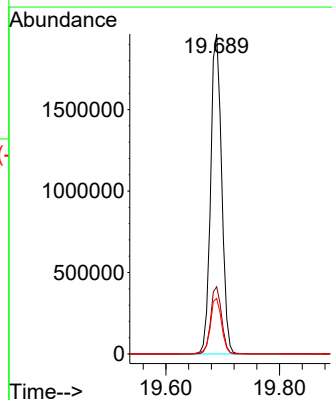
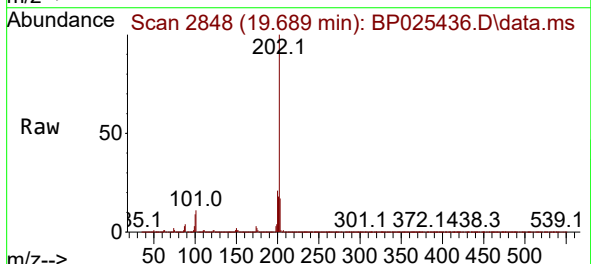
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

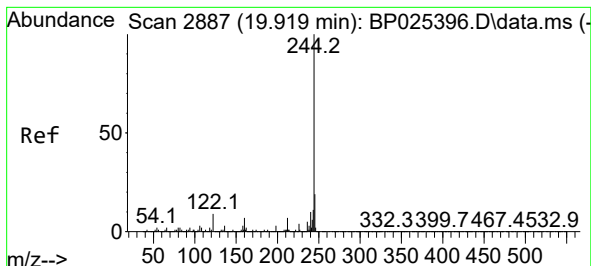
Tgt Ion:184 Resp: 1508404
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 12.0 9.4 14.2



#78
Pyrene
Concen: 43.183 ng
RT: 19.689 min Scan# 2848
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:202 Resp: 2619981
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 85.603 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

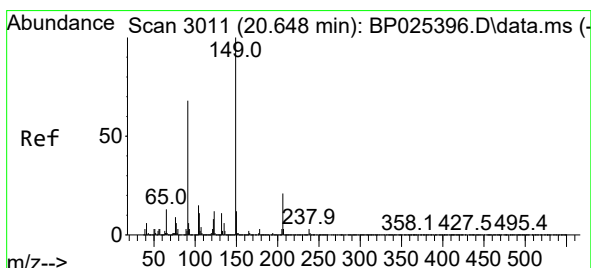
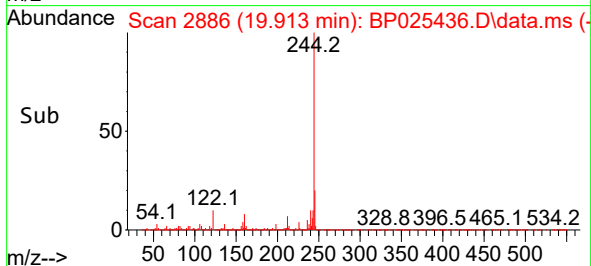
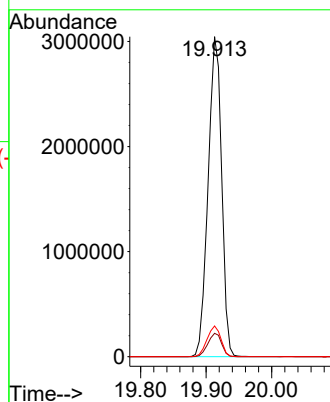
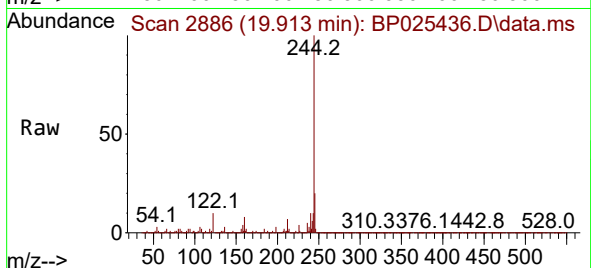
Tgt Ion:244 Resp: 4367516

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.6 7.4 11.2



#80

Butylbenzylphthalate

Concen: 45.693 ng

RT: 20.642 min Scan# 3010

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

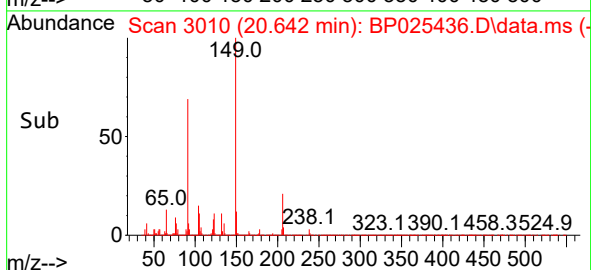
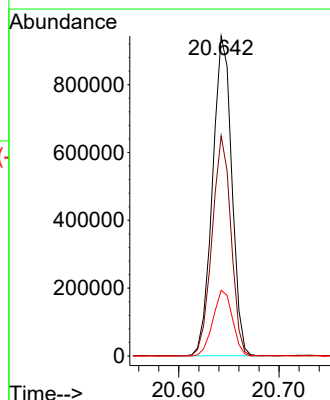
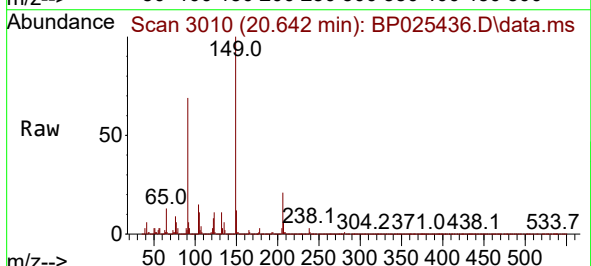
Tgt Ion:149 Resp: 1256440

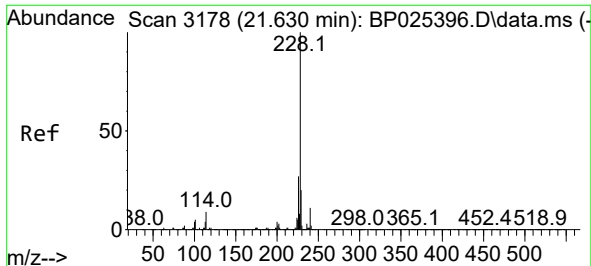
Ion Ratio Lower Upper

149 100

91 68.8 54.2 81.2

206 20.6 16.6 24.8

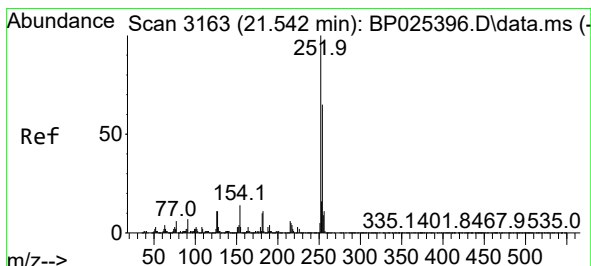
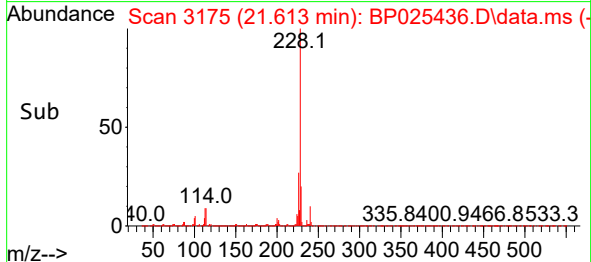
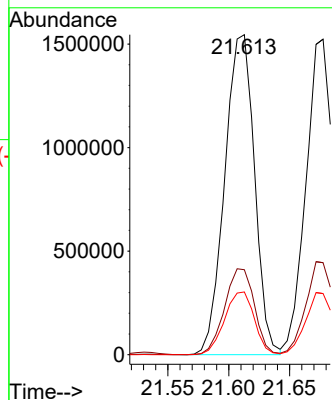
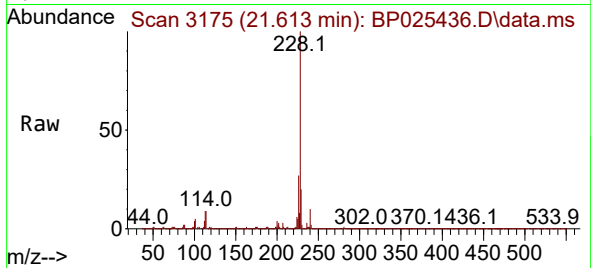




#81
Benzo(a)anthracene
Concen: 42.665 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

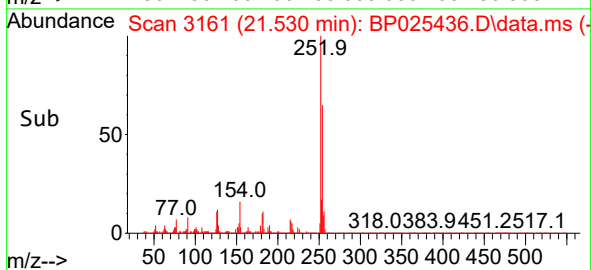
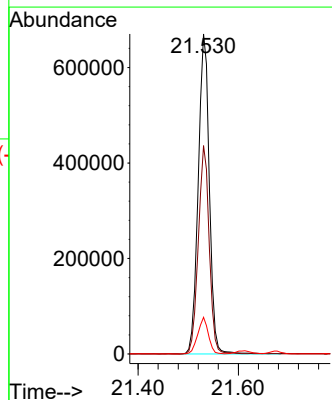
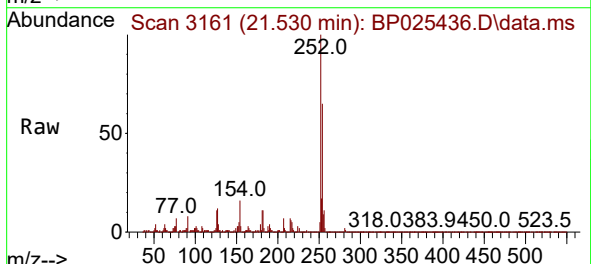
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

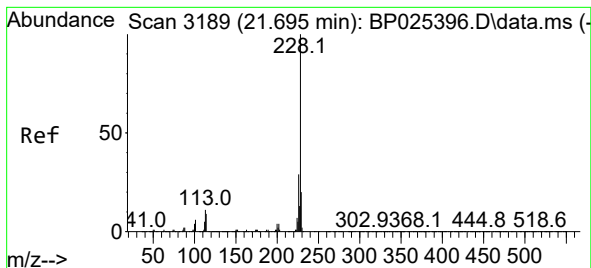
Tgt Ion:228 Resp: 2626516
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.6 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 44.224 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 1026166
Ion Ratio Lower Upper
252 100
254 65.1 51.8 77.6
126 11.5 9.1 13.7





#83

Chrysene

Concen: 42.767 ng

RT: 21.677 min Scan# 3189

Delta R.T. -0.017 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

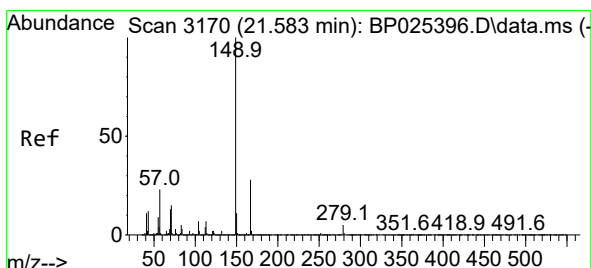
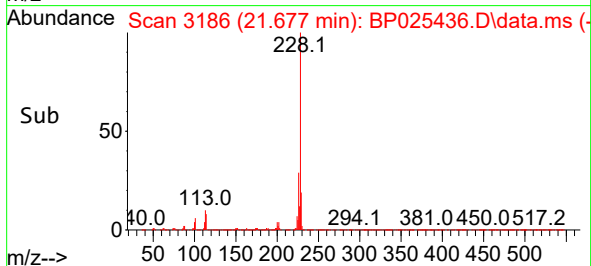
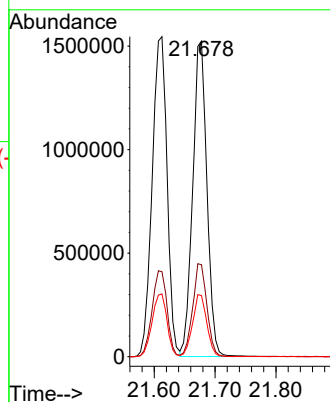
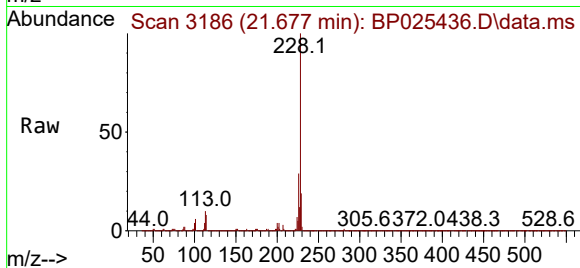
Tgt Ion:228 Resp: 2465631

Ion Ratio Lower Upper

228 100

226 29.1 23.2 34.8

229 19.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.485 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.023 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

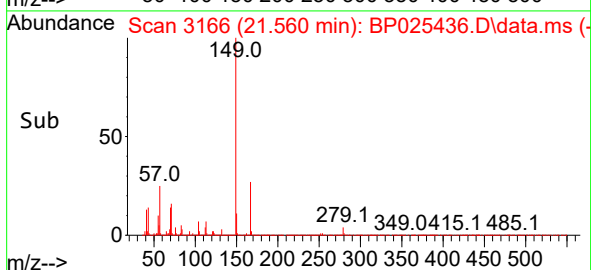
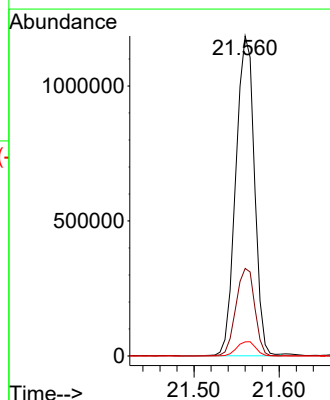
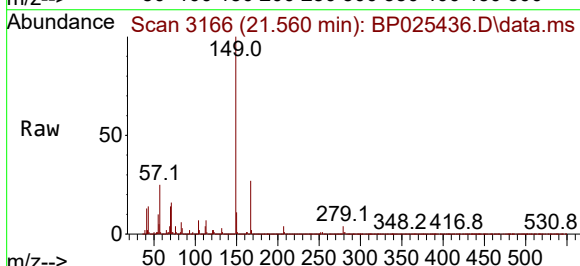
Tgt Ion:149 Resp: 1800639

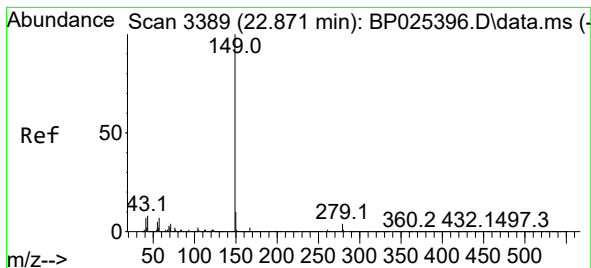
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

279 4.4 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 45.079 ng

RT: 22.848 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

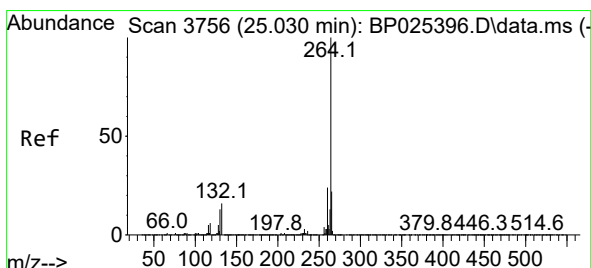
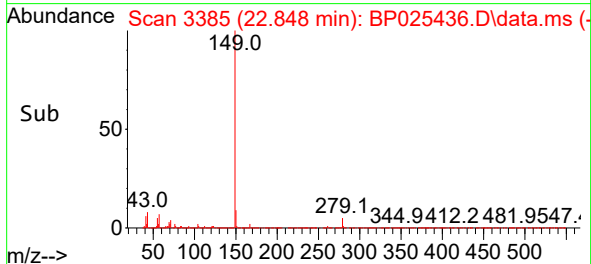
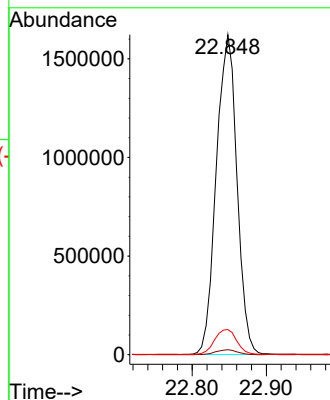
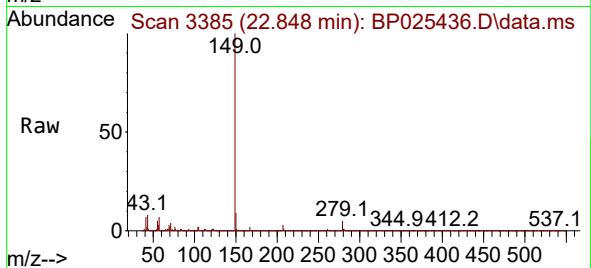
Tgt Ion:149 Resp: 3138516

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.3 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 3749

Delta R.T. -0.041 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

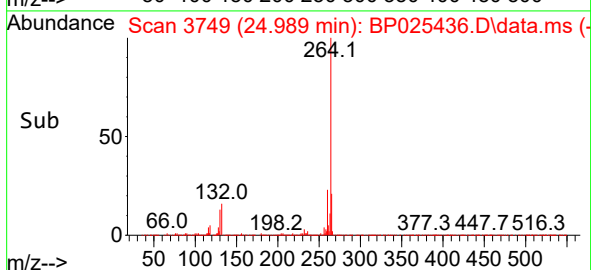
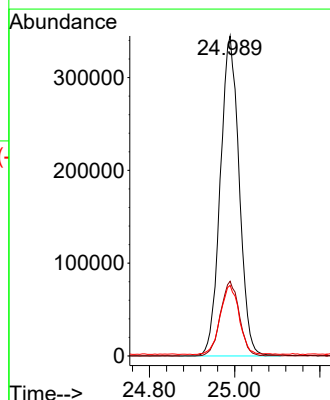
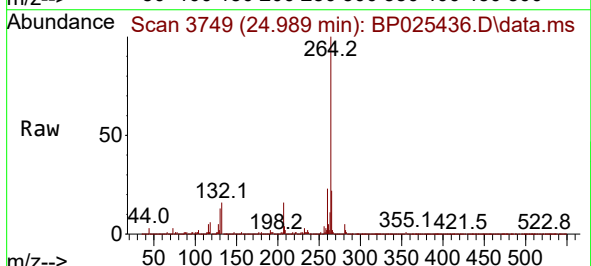
Tgt Ion:264 Resp: 1056853

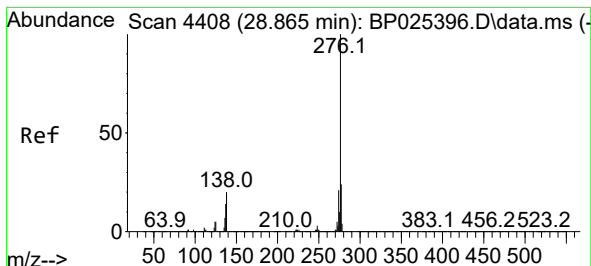
Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.530 ng

RT: 28.807 min Scan# 41

Delta R.T. -0.059 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

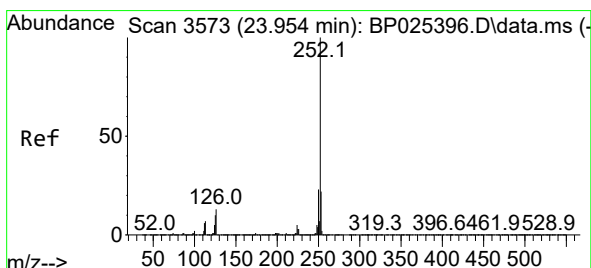
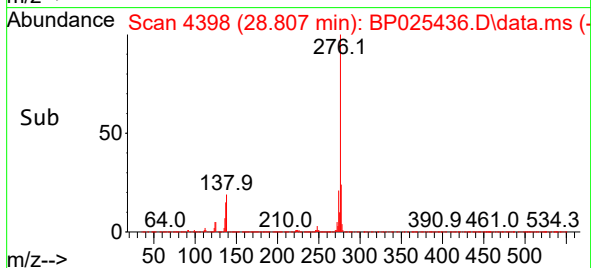
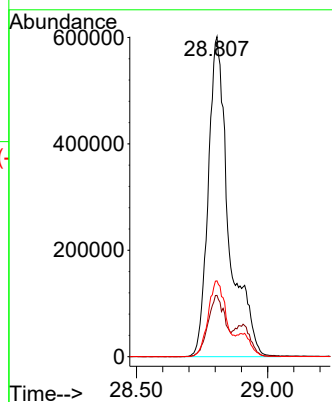
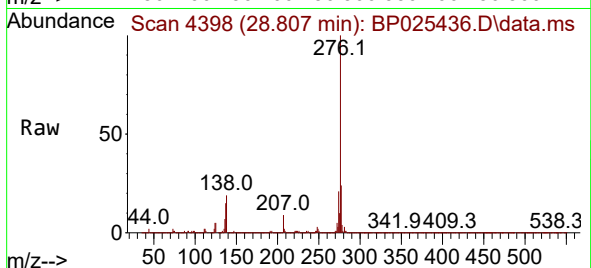
Tgt Ion:276 Resp: 3296276

Ion Ratio Lower Upper

276 100

138 16.0 12.9 19.3

277 20.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 43.518 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.023 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

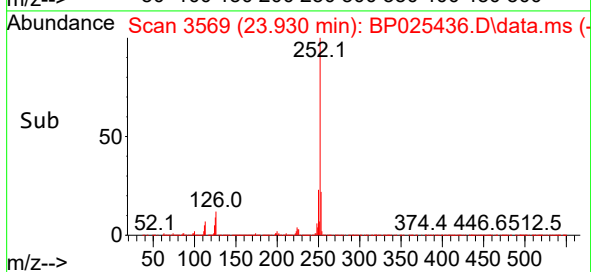
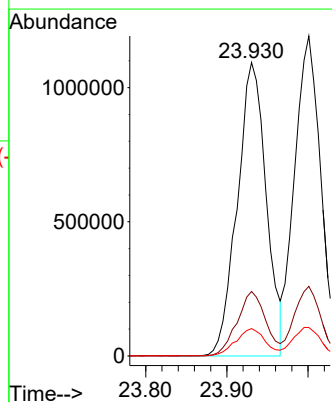
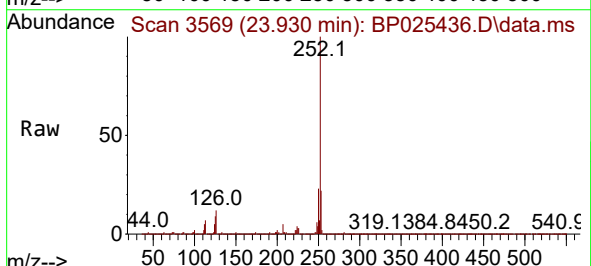
Tgt Ion:252 Resp: 2712012

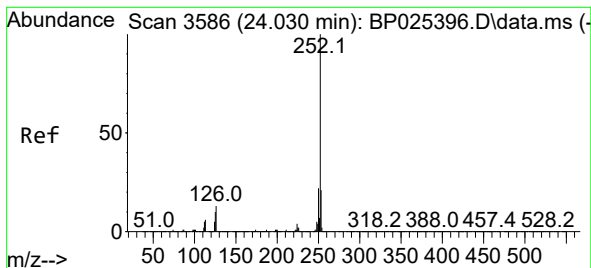
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 9.3 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 42.878 ng

RT: 24.001 min Scan# 3586

Delta R.T. -0.029 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

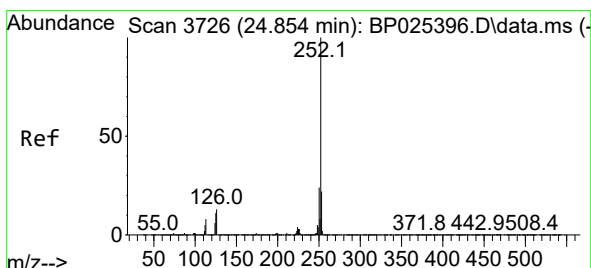
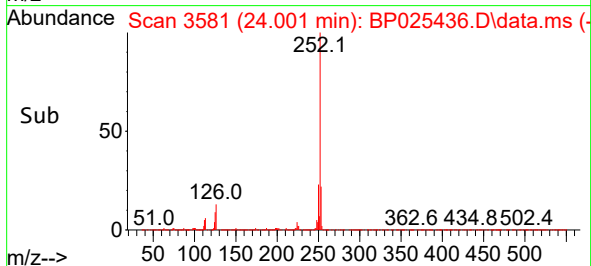
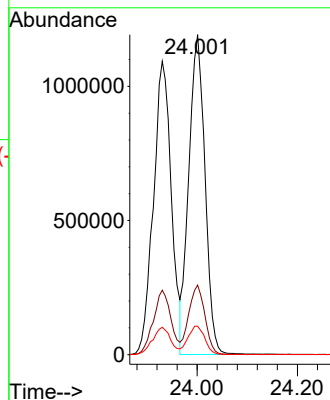
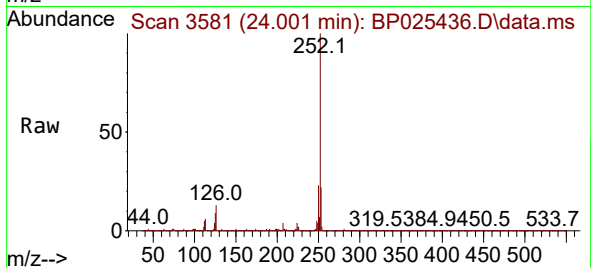
Tgt Ion:252 Resp: 2673968

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 8.9 7.8 11.6



#90

Benzo(a)pyrene

Concen: 43.232 ng

RT: 24.830 min Scan# 3722

Delta R.T. -0.023 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

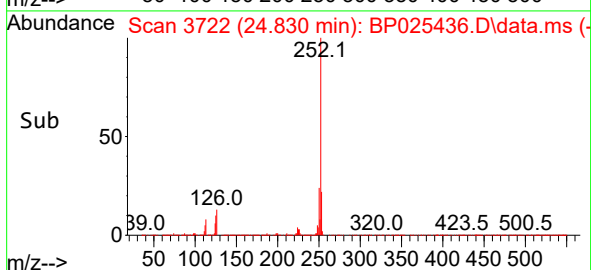
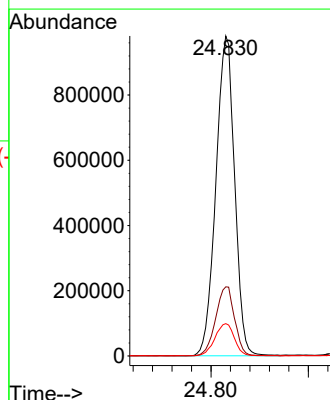
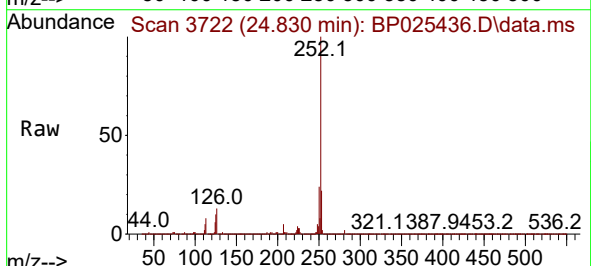
Tgt Ion:252 Resp: 2622614

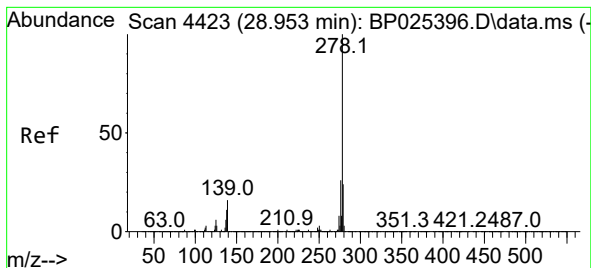
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.1 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 42.888 ng

RT: 28.912 min Scan# 44

Delta R.T. -0.041 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

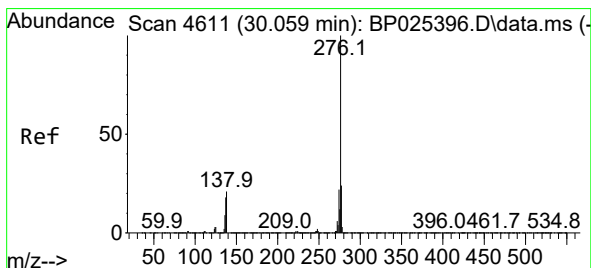
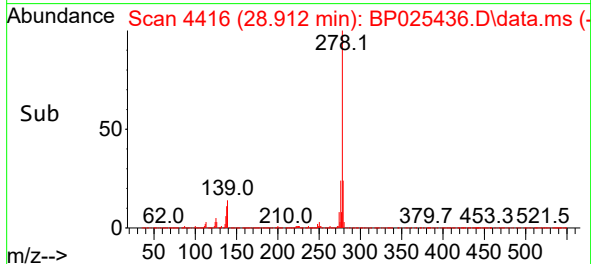
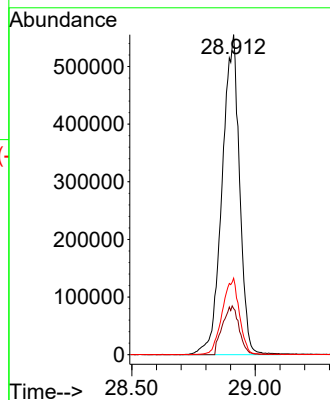
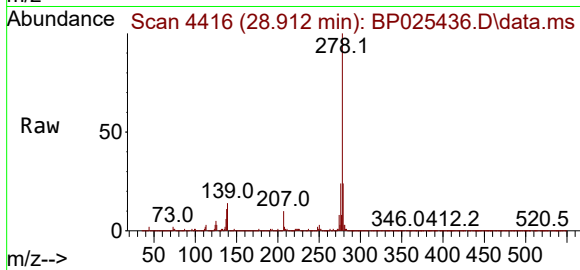
Tgt Ion:278 Resp: 2716441

Ion Ratio Lower Upper

278 100

139 14.4 13.0 19.4

279 23.9 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 42.750 ng

RT: 30.006 min Scan# 4602

Delta R.T. -0.053 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Tgt Ion:276 Resp: 2661609

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 21.2 16.7 25.1

